

Primers used for Real-time PCR

Genes	Forward primer (5' to 3')
DXS	5'-CTCTTCCTTCGCCGTTTCC-3'
DXR	5'-CGATTCTGCTACCCTTTTCAAC-3'
PSY	5'-CCCGGACTGCTGTGTTTAAT-3'
PDS	5'-ATAATTGGCGGACAGGCATA-3'
ZDS	5'-ATCAGTGCTCGTTGTATGCTTACTATATT
CRTISO	5'-TTCTTTCCATTACATGGGTGTT-3'
LCYe	5'-CAACTGGATATTGAGGGCATCA-3'
LCYb2	5'-TGGCTCAACCAGGATGATCA-3'
HYD	5'-TTTGGGATGGCCTACATGTTC-3'
ZEP	5'-GAAGCAATCTTCGACGTGACA-3'
FBN1	5'-ACGGTCCAGAACTCCATCC-3'
FBN4	5'-ACAGGGAATTATCACAGC-3'
NCED2	5'-GCCCAACAAATCCTTGAAAGTAGA-3'
NCED3	5'-TCTCTTCAAACACCTTCCATTCC-3'
CCD4a	5'-AACCGAACGTGCCCATTT-3'
CCD4b	5'-AAGTGATGCCGAGATGAAGTGGT-3'
Actin	5'-CCAAGCAGCATGAAGATCAA-3'

DXS, 1-deoxy-D-xylulose 5-phosphate synthase; DXR, phosphate reductoisomerase; PSY, phytoene synthase; ZDS, ζ -carotene desaturase; CRTISO, Carotenoid isomerase; LCYb2, Lycopene ϵ -cyclase; HYD, β -carotene hydroxylase; FBN1/4, [fibrillin 1/4](#), NCED 2/3, 9-cis-epoxy xanthophyll synthase; CCD4a/4b, carotenoid cleavage dioxygenase 4a/4b. We note that the primer pairs used in this experiment came from FBN1/4 is designed using the Primer Express software (Applied Biosystems, Foster City, CA, USA).

Cao H, Zhang J, Xu J, Ye J, Yun Z, Xu Q, Xu J, Deng X (2013) Crystalline β -carotene accumulation by comparing natural carotenoid-rich system of citrus. *J Exp Bot* **63**

Reverse primer (5' to 3')	Accession No.
5'-CAGACCAGCGGCAAAAGTAAC-3'	EY664196
5'-ATTGAGTGTATGATAGACTGTGGATG-3'	EY705355
5'-GAGCAAGGATGCCTCAAATC-3'	DQ235260
5'-CCTCTGTCGTCACCTCGATCA-3'	AJ319760
5'-CCCTTGAGCATCCGCAAT-3'	AJ319762
5'-TCATCCTCAAGCACAAAATGGT-3'	AY655751
5'-CAAGGAAACCGTGCCACATC-3'	AY533827
5'-TTGGCCACAACCCATTCC-3'	FJ516403
5'-GGCACGTCGGCAATGG-3'	AB114661
5'-ACCGAGTCCCAAGCAAAGT-3'	AB114662
5'-TACCTGAGGCGTCCCAAT-3'	Cs2g02520.1
5'-TGCGGGTATCATTATCG-3'	Cs9g09850.1
5'-GGGTAAGGCTGTTTAGGGAAATG-3'	AB219171
5'-GCTGCAGGTGATGGAGGGTAT-3'	AB219177
5'-TGTCTACGAACACCGCATACTT-3'	DQ309330
5'-GATGTAGCATTTGTCGCACTAAGAA-3'	DQ309331
5'-ATCTGCTGGAAGGTGCTGAG-3'	GU911361

, 1-deoxy-D-xylulose 5-
se; PDS, phytoene desaturase;
erases; LCYb2, Lycopene β -
e hydroxylase; ZEP, Zeaxanthin
ycarotenoid dioxygenase 2/3;
The boldface in row A denote
rom Cao et al. (2012) and
e 3 (Applied Biosystems, Foster

(2012) Comprehending
ngineered cell models and the
: 4403-4417

FileScan	Sequence	MH+	Diff(MH+)	Charg	Rank	Score	DeltaS
P12163_1_F2,19947	K.AIDLVD EAAAK.L	1724.005	0.00359	2	1	36.2	0
P12163_1_F2,20129	K.AIDLVD EAAAK.L	1724.005	0.00375	3	1	74.9	0
P12163_1_F3,20542	K.AIDLVD EAAAK.L	1724.005	0.00723	2	1	74	0
P12163_1_F3,20556	K.AIDLVD EAAAK.L	1724.005	0.00537	3	1	74.9	0
P12163_1_F5,19427	K.AIDLVD EAAAK.L	1724.005	-0.00132	3	1	38.8	0
P12163_1_F5,19907	K.AIDLVD EAAAK.L	1724.005	0.00438	3	1	61.9	0
P12163_1_F5,19911	K.AIDLVD EAAAK.L	1724.005	0.00875	2	1	29.1	0
P12163_1_F6,19508	K.AIDLVD EAAAK.L	1724.005	0.00279	3	1	70.1	0
P12163_1_F6,19574	K.AIDLVD EAAAK.L	1724.005	0.00327	2	1	36.8	0
P12163_1_F6,19917	K.AIDLVD EAAAK.L	1724.005	0.00207	3	1	50.4	0
P12163_2_F2,19990	K.AIDLVD EAAAK.L	1724.005	0.00534	3	1	44	0
P12163_2_F2,20017	K.AIDLVD EAAAK.L	1724.005	0.00585	2	1	62.9	0
P12163_2_F4,18637	K.AIDLVD EAAAK.L	1724.005	0.00507	3	1	52.7	0
P12163_1_S1,20050	K.ALASYM*FNTEEALVF	2035.047	-0.00179	2	1	25.3	0
P12163_1_S1,20262	K.ALASYM*FNTEEALVF	2035.047	0.00143	3	1	42	0
P12163_1_S1,19879	K.ALASYMFNTEEALVR.	2019.052	0.00665	3	1	34.6	0
P12163_1_S1,24400	K.ALASYMFNTEEALVR.	2019.052	0.00341	3	1	59.5	0
P12163_1_S1,24532	K.ALASYMFNTEEALVR.	2019.052	0.00097	2	1	70.9	0
P12163_1_S1,24586	K.ALASYMFNTEEALVR.	2019.052	0.00398	3	1	60.8	0
P12163_1_F4,12098	K.DLTAM*ASAGK.L	1588.882	0.00604	2	1	35	0
P12163_1_F4,15905	K.DLTAM*ASAGK.L	1588.882	0.00391	3	1	25.9	0
P12163_1_F4,15930	K.DLTAM*ASAGK.L	1588.882	0.0026	2	1	26.1	0
P12163_1_F4,16122	K.DLTAM*ASAGK.L	1588.882	0.00454	3	1	41	0
P12163_1_F4,16139	K.DLTAM*ASAGK.L	1588.882	0.00903	2	1	24.9	0
P12163_1_F3,15518	K.DLTAMASAGK.L	1572.888	0.00499	2	1	49	0
P12163_1_F4,15827	K.DLTAMASAGK.L	1572.888	0.00087	2	1	48.1	0
P12163_1_F4,15900	K.DLTAMASAGK.L	1572.888	0.00598	3	1	29.1	0
P12163_1_F4,16029	K.DLTAMASAGK.L	1572.888	0.00659	2	1	48.6	0
P12163_1_F4,16097	K.DLTAMASAGK.L	1572.888	0.00724	3	1	29.4	0
P12163_2_F1,15129	K.DLTAMASAGK.L	1572.888	0.01125	2	1	46	0
P12163_1_F4,17157	K.ELNEYISSGK.S	1747.969	0.01058	2	1	27.4	0
P12163_1_F4,17173	K.ELNEYISSGK.S	1747.969	0.00741	3	1	30.1	0
P12163_1_F5,15938	K.ELNEYISSGK.S	1747.969	0.00646	2	1	35.1	0
P12163_1_F5,15967	K.ELNEYISSGK.S	1747.969	0.01215	3	1	23.6	0
P12163_1_F7,15226	K.ELNEYISSGK.S	1747.969	0.00454	2	1	41.4	0
P12163_2_F1,16360	K.ELNEYISSGK.S	1747.969	0.0045	3	1	32.1	0
P12163_2_F1,16415	K.ELNEYISSGK.S	1747.969	0.00608	2	1	39.7	0
P12163_2_F4,14894	K.ELNEYISSGK.S	1747.969	0.0052	2	1	31.1	0
P12163_2_F9,15481	K.ELNEYISSGK.S	1747.969	0.00549	3	1	29.3	0
P12163_1_F4,14368	K.ETAYETIK.Q	1562.889	0.01457	3	1	35.4	0
P12163_1_F4,14392	K.ETAYETIK.Q	1562.889	0.0188	2	1	36.1	0
P12163_2_F1,13292	K.ETAYETIK.Q	1562.889	0.00472	2	1	37.1	0
P12163_2_F1,13312	K.ETAYETIK.Q	1562.889	0.00842	3	1	25.8	0
P12163_1_F6,11849	K.HQIVETEHLK.A	1955.153	0.00341	4	1	22	0
P12163_1_F6,14751	K.HQIVETEHLK.A	1955.153	0.00318	3	1	30.4	0
P12163_1_F6,14767	K.HQIVETEHLK.A	1955.153	0.00245	4	1	28.5	0
P12163_1_F6,14798	K.HQIVETEHLK.A	1955.153	0.00316	2	1	51.5	0
P12163_1_F7,13998	K.HQIVETEHLK.A	1955.153	0.00192	3	1	39.9	0
P12163_1_F7,14013	K.HQIVETEHLK.A	1955.153	0.00577	4	1	27.2	0
P12163_1_F7,14025	K.HQIVETEHLK.A	1955.153	0.00454	2	1	62.2	0

P12163_1_F8,269	K.HQIVETEHLK.A	1955.153	0.00486	3	1	41.6	0
P12163_2_F8_12070	K.HQIVETEHLK.A	1955.153	0.00636	3	1	35.5	0
P12163_2_F9,13636	K.HQIVETEHLK.A	1955.153	0.00461	4	1	23.6	0
P12163_2_S5,13461	K.HQIVETEHLK.A	1955.153	0.00144	3	1	22.3	0
P12163_2_S5,13884	K.HQIVETEHLK.A	1955.153	0.00594	3	1	25.1	0
P12163_1_F2,15379	K.LDPVIGR.D	1073.662	0.00271	2	1	26	0
P12163_1_S1,14477	K.LDPVIGR.D	1073.662	0.00422	3	1	39.7	0
P12163_1_S1,14594	K.LDPVIGR.D	1073.662	0.00351	2	1	24.4	0
P12163_1_F2,22595	K.LISLDM*GALIAGAK.Y	1997.192	-0.00127	3	1	39.4	0
P12163_1_F6,19270	K.LLHLEEELHK.R	1869.105	0.00454	3	1	48.1	0
P12163_2_F4,17695	K.LLHLEEELHK.R	1869.105	0.00127	3	1	28	0
P12163_2_F6,18724	K.LLHLEEELHK.R	1869.105	0.00736	3	1	47.7	0
P12163_2_F6,18746	K.LLHLEEELHK.R	1869.105	0.00469	4	1	49.7	0
P12163_2_F6,18757	K.LLHLEEELHK.R	1869.105	0.00582	2	1	46.4	0
P12163_1_F8,17503	K.MEITSKPTALDEINR.S	2326.29	0.00746	4	1	23.1	0
P12163_2_F6,16966	K.MEITSKPTALDEINR.S	2326.29	-0.00062	3	1	22.2	0
P12163_2_F6,16989	K.MEITSKPTALDEINR.S	2326.29	0.00265	2	1	45.6	0
P12163_1_F3,16737	K.NNPVIIGEPGVGK.T ! f	1902.127	0.00297	3	1	31.1	0
P12163_1_F3,16751	K.NNPVIIGEPGVGK.T ! f	1902.127	0.00722	2	1	48.9	0
P12163_1_F4,17243	K.NNPVIIGEPGVGK.T ! f	1902.127	0.00414	3	1	50.9	0
P12163_1_F4,17252	K.NNPVIIGEPGVGK.T ! f	1902.127	0.0091	2	1	42.6	0
P12163_1_F5,16038	K.NNPVIIGEPGVGK.T ! f	1902.127	0.0046	2	1	42.6	0
P12163_1_F6,16044	K.NNPVIIGEPGVGK.T ! f	1902.127	0.00396	2	1	27.9	0
P12163_1_F6,16047	K.NNPVIIGEPGVGK.T ! f	1902.127	-0.00045	3	1	50.9	0
P12163_1_F6,16533	K.NNPVIIGEPGVGK.T ! f	1902.127	0.00396	2	1	24.1	0
P12163_2_F1,16460	K.NNPVIIGEPGVGK.T ! f	1902.127	0.0069	3	1	68.8	0
P12163_2_F1,16482	K.NNPVIIGEPGVGK.T ! f	1902.127	0.0034	2	1	61	0
P12163_2_F2,429	K.NNPVIIGEPGVGK.T ! f	1902.127	0.00675	3	1	30.1	0
P12163_2_F4,14921	K.NNPVIIGEPGVGK.T ! f	1902.127	-0.00324	3	1	33.4	0
P12163_2_F4,14959	K.NNPVIIGEPGVGK.T ! f	1902.127	-0.00354	2	1	40.7	0
P12163_1_F2,10375	K.TAISEGLAQR.I	1349.769	0.00339	3	1	33.3	0
P12163_1_F2,13543	K.TAISEGLAQR.I	1349.769	0.00267	3	1	41.1	0
P12163_1_F3,10749	K.TAISEGLAQR.I	1349.769	0.00294	3	1	38	0
P12163_2_F1,10248	K.TAISEGLAQR.I	1349.769	0.00167	2	1	26.8	0
P12163_2_F1,13323	K.TAISEGLAQR.I	1349.769	0.00289	2	1	24.9	0
P12163_1_S1,14546	K.VLGETAGSMLGR.D	1494.825	0.00405	3	1	36.5	0
P12163_1_S1,15094	K.VLGETAGSMLGR.D	1494.825	0.00519	3	1	30.4	0
P12163_1_S1,18496	K.VLGETAGSMLGR.D	1494.825	0.00091	2	1	35.4	0
P12163_1_S1,18557	K.VLGETAGSMLGR.D	1494.825	-0.00039	3	1	63.9	0
P12163_1_S1,18745	K.VLGETAGSMLGR.D	1494.825	0.00237	2	1	46.7	0
P12163_1_F5,17576	K.WTGIPVSK.L	1495.909	0.00725	2	1	33.6	0
P12163_1_S10,1485	K.YEALEK.Y	1360.793	0.00676	3	1	24	0
P12163_2_F2,14695	K.YEALEK.Y	1360.793	0.00493	3	1	21.9	0
P12163_1_F3,11527	K.YGSLNALQR.Q	1325.748	0.00374	3	1	23.8	0
P12163_2_F10,1438	K.YGSLNALQR.Q	1325.748	0.00494	3	1	32.1	0
P12163_2_F10,1442	K.YGSLNALQR.Q	1325.748	0.0046	2	1	26.8	0
P12163_1_F4,10862	K.YRGEFEDR.L	1375.691	0.00625	2	1	33.9	0
P12163_2_F4,9516	K.YRGEFEDR.L	1375.691	0.00453	2	1	40.4	0
P12163_2_F8_12070	R.AGLSDPHRPIASF*FM	3013.585	0.0031	4	1	23.9	0
P12163_2_F8_12070	R.AGLSDPHRPIASF*FM	2997.59	0.00806	4	1	32.9	0
P12163_2_F8_12070	R.AGLSDPHRPIASF*FM	2981.595	0.00058	4	1	24.5	0

P12163_1_F2,15925 R.CIGATTLDEYR.K	1602.81	0.00249	2	1	27.3	0
P12163_1_S1,15519 R.CIGATTLDEYR.K	1602.81	0.00523	2	1	40	0
P12163_1_S1,15567 R.CIGATTLDEYR.K	1602.81	0.00188	3	1	91.7	0
P12163_1_F8,14992 R.CIGATTLDEYRK.Y	2035.11	0.00359	2	1	31.2	0
P12163_2_F6,14414 R.CIGATTLDEYRK.Y	2035.11	0.00093	2	1	44.6	0
P12163_1_F3,14695 R.CIQILSR.R	1193.698	0.00388	3	1	25.8	0
P12163_1_F3,20428 R.DFQISLPTLK.S	1770.062	0.00421	3	1	26	0
P12163_1_F3,23359 R.DFQISLPTLK.S	1770.062	0.00505	2	1	47.2	0
P12163_1_F3,23364 R.DFQISLPTLK.S	1770.062	0.00049	3	1	38.6	0
P12163_1_F3,23626 R.DFQISLPTLK.S	1770.062	0.0115	3	1	25.9	0
P12163_1_F6,21931 R.DFQISLPTLK.S	1770.062	0.00169	3	1	35.1	0
P12163_1_F2,19796 R.DLEALIQR.S	1261.742	0.00553	2	1	33.8	0
P12163_1_S1,18962 R.DLEALIQR.S	1261.742	0.00375	2	1	37.2	0
P12163_1_S1,19074 R.DLEALIQR.S	1261.742	0.00808	3	1	45.4	0
P12163_1_S1,19202 R.DLEALIQR.S	1261.742	0.00201	2	1	39.9	0
P12163_1_S1,19332 R.DLEALIQR.S	1261.742	0.00304	3	1	48.5	0
P12163_1_F3,10288 R.DQISSIVR.L	1221.71	0.00289	3	1	36.5	0
P12163_1_F3,15103 R.DQISSIVR.L	1221.71	0.00303	2	1	28.4	0
P12163_1_F2,19501 R.EEVTGSDIAEIVSK.W	2085.154	0.00925	3	1	39.2	0
P12163_1_F5,18984 R.EEVTGSDIAEIVSK.W	2085.154	0.00194	2	1	39.6	0
P12163_1_S1,15597 R.EEVTGSDIAEIVSK.W	2085.154	0.00613	3	1	51.7	0
P12163_1_S1,15630 R.EEVTGSDIAEIVSK.W	2085.154	0.00244	2	1	27.9	0
P12163_1_S1,16052 R.EEVTGSDIAEIVSK.W	2085.154	0.00574	3	1	22.7	0
P12163_1_S1,18241 R.EEVTGSDIAEIVSK.W	2085.154	0.00376	3	1	38.8	0
P12163_1_S1,18681 R.EEVTGSDIAEIVSK.W	2085.154	0.00475	3	1	41.2	0
P12163_1_S1,18737 R.EEVTGSDIAEIVSK.W	2085.154	0.00248	2	1	80.4	0
P12163_2_F1,19744 R.EEVTGSDIAEIVSK.W	2085.154	0.00247	3	1	40.1	0
P12163_1_F3,14743 R.IDM*SEYMEK.H	1769.891	0.0039	2	1	25.8	0
P12163_1_F3,18958 R.IDMSEYMEK.H	1753.896	0.00795	2	1	46.5	0
P12163_1_F3,18985 R.IDMSEYMEK.H	1753.896	0.00558	3	1	27.6	0
P12163_2_F9,17158 R.IDMSEYMEK.H	1753.896	0.009	3	1	35.3	0
P12163_1_F3,24507 R.ISDSALVEAAILSDR.Y	1864.033	0.00007	2	1	39.1	0
P12163_1_S1,17965 R.IVQGDVPQALMNR.K	1744.968	0.00601	3	1	33.1	0
P12163_2_F6,19418 R.KLISLDM*GALIAGAK	2429.493	0.01231	3	1	46.2	0
P12163_1_F4,25636 R.LEAELSLLK.E	1624.014	0.0026	2	1	24.3	0
P12163_1_F4,25759 R.LEAELSLLK.E	1624.014	0.00426	3	1	34.7	0
P12163_1_F5,23832 R.LEAELSLLK.E	1624.014	0.00744	3	1	22.9	0
P12163_1_F7,22323 R.LEAELSLLK.E	1624.014	0.0033	3	1	23.2	0
P12163_2_F1,25005 R.LEAELSLLK.E	1624.014	0.00483	3	1	35.8	0
P12163_2_S5,21568 R.LEAELSLLK.E	1624.014	0.00243	3	1	34.4	0
P12163_1_F4,17413 R.LLEATEK.F	1411.862	0.00252	3	1	26.2	0
P12163_1_F4,17549 R.LLEATEK.F	1411.862	0.0024	2	1	30.2	0
P12163_1_F5,16163 R.LLEATEK.F	1411.862	0.00513	3	1	26.9	0
P12163_1_F5,16178 R.LLEATEK.F	1411.862	0.0056	2	1	32.8	0
P12163_1_F6,16746 R.LLEATEK.F	1411.862	0.00622	2	1	26.8	0
P12163_1_F7,15351 R.LLEATEK.F	1411.862	-0.00038	2	1	29	0
P12163_1_F7,15358 R.LLEATEK.F	1411.862	0.00048	3	1	24.2	0
P12163_2_F1,16581 R.LLEATEK.F	1411.862	0.00586	2	1	30.8	0
P12163_2_F1,16582 R.LLEATEK.F	1411.862	0.00513	3	1	31	0
P12163_2_F7,13358 R.QAQLTEQWEHEK.T	2135.134	0.0033	3	1	50.4	0
P12163_1_F5,9555 R.QLESAEK.E	1412.82	0.00972	3	1	39.5	0

P12163_2_F2,10427	R.QLESAEK.E	1412.82	0.00495	3	1	31.1	0
P12163_1_F2,12272	R.QSVIDQDPEGK.Y	1823.996	0.00123	2	1	25.9	0
P12163_1_F2,12274	R.QSVIDQDPEGK.Y	1823.996	0.00291	3	1	32.7	0
P12163_1_F3,9752	R.QSVIDQDPEGK.Y	1823.996	0.00966	3	1	34	0
P12163_1_F3,12599	R.QSVIDQDPEGK.Y	1823.996	0.00249	2	1	34.8	0
P12163_1_F3,12895	R.QSVIDQDPEGK.Y	1823.996	-0.00335	2	1	23.9	0
P12163_1_S1,11125	R.RLDTSSDASAADNQE/	2489.169	0.00228	3	1	34.5	0
P12163_1_S1,11676	R.RLDTSSDASAADNQE/	2489.169	0.00252	3	1	57.1	0
P12163_1_S1,12227	R.RLDTSSDASAADNQE/	2489.169	0.00282	3	1	52.5	0
P12163_1_S1,12900	R.RLDTSSDASAADNQE/	2489.169	0.00426	3	1	72.4	0
P12163_1_S1,12994	R.RLDTSSDASAADNQE/	2489.169	-0.00378	2	1	83.9	0
P12163_1_F3,23365	R.VIQQYVENELAK.G	2042.174	0.01049	3	1	58	0
P12163_1_F4,24071	R.VIQQYVENELAK.G	2042.174	0.00432	2	1	41	0
P12163_1_F4,24320	R.VIQQYVENELAK.G	2042.174	0.00522	2	1	70.8	0
P12163_1_F4,24369	R.VIQQYVENELAK.G	2042.174	0.00626	3	1	54	0
P12163_1_F2,15208	R.VNLEIQQAER.E	1503.843	0.00193	2	1	29.6	0
P12163_1_F3,15715	R.VNLEIQQAER.E	1503.843	0.00285	2	1	28.6	0
P12163_2_F1,14847	R.VNLEIQQAER.E	1503.843	0.00261	2	1	27	0
P12163_2_F1,15053	R.VNLEIQQAER.E	1503.843	0.00519	2	1	28.4	0
P12163_2_F4,14441	R.VNLEIQQAER.E	1503.843	0.00085	2	1	29.5	0
P12163_1_F3,4870	R.VTDSQGR.T	1066.579	0.00324	3	1	24.3	0
P12163_1_F3,12753	R.VVGQDPAVK.S	1520.926	0.00406	2	1	44.3	0
P12163_1_F3,12759	R.VVGQDPAVK.S	1520.926	0.00726	3	1	45	0
P12163_1_F4,13283	R.VVGQDPAVK.S	1520.926	0.00628	2	1	32.6	0
P12163_1_F5,11841	R.VVGQDPAVK.S	1520.926	0.00474	2	1	30	0
P12163_1_F7,11487	R.VVGQDPAVK.S	1520.926	0.00087	3	1	30.5	0
P12163_2_F1,12362	R.VVGQDPAVK.S	1520.926	0.00604	2	1	32.2	0
P12163_2_F1,12366	R.VVGQDPAVK.S	1520.926	0.00528	3	1	31	0
P12163_1_F3,8094	R.YELHHGVR.I	1314.722	0.00257	3	1	36.2	0
P12163_1_F3,8135	R.YELHHGVR.I	1314.722	0.00401	4	1	30.6	0
P12163_1_F4,8523	R.YELHHGVR.I	1314.722	0.00347	3	1	36.7	0
P12163_1_F4,8541	R.YELHHGVR.I	1314.722	0.00505	4	1	36	0
P12163_1_F5,6861	R.YELHHGVR.I	1314.722	0.00215	3	1	37.1	0
P12163_1_F6,8365	R.YELHHGVR.I	1314.722	-0.00235	3	1	32.8	0
P12163_2_F2,7640	R.YELHHGVR.I	1314.722	0.0038	3	1	37.3	0
P12163_2_F4,7447	R.YELHHGVR.I	1314.722	-0.00316	3	1	36.7	0
P12163_2_F4,7465	R.YELHHGVR.I	1314.722	0.00397	4	1	39	0
P12163_2_F7,7643	R.YELHHGVR.I	1314.722	0.00353	3	1	32.5	0
P12163_2_S3,7668	R.YELHHGVR.I	1314.722	0.00185	3	1	32	0
P12163_2_S5,8287	R.YELHHGVR.I	1314.722	0.00269	3	1	30.4	0
P12163_2_S5,8299	R.YELHHGVR.I	1314.722	0.00089	4	1	30.5	0
P12163_1_F3,17410	K.ANSSSENELLVETNN	2712.426	0.00828	3	1	57.5	0
P12163_1_F7,18147	K.AVEDIDPIKETNGGLP	2992.708	0.02116	3	1	27.5	0
P12163_2_F2,15325	K.EAALLQNK.V	1494.91	0.00394	2	1	26.1	0
P12163_2_F6,14533	K.EAEIQLHEAIQR.F	1740.955	0.00109	3	1	50.4	0
P12163_2_F6,14575	K.EAEIQLHEAIQR.F	1740.955	0.0034	2	1	38.3	0
P12163_2_F10,1418	K.EAELNSQLEDHAHEVI	2457.283	0.00383	4	1	29.5	0
P12163_1_F4,12598	K.EALQAEEAK.R	1596.905	0.00026	2	1	39.8	0
P12163_1_F5,11190	K.EALQAEEAK.R	1596.905	0.00268	2	1	28.4	0
P12163_2_F1,11609	K.EALQAEEAK.R	1596.905	0.00192	2	1	47.1	0
P12163_2_F1,11682	K.EALQAEEAK.R	1596.905	0.0049	3	1	42.1	0

P12163_1_S10,1693'K.EATGQQLASHMNTVT	2872.416	0.00219	4	1	69.4	0
P12163_1_F4,16588 K.ELCSELEEK.L	1744.925	0.00904	3	1	23.1	0
P12163_1_F3,20265 K.EVEGQMASLQEELK.C	2199.179	0.01001	3	1	56.2	0
P12163_1_F4,17871 K.FQEQIVEAGEK.Y	1886.048	-0.00141	2	1	52.6	0
P12163_1_F4,17921 K.FQEQIVEAGEK.Y	1886.048	0.00487	3	1	45.4	0
P12163_2_F1,17107 K.FQEQIVEAGEK.Y	1886.048	0.00815	2	1	64.1	0
P12163_2_F1,17115 K.FQEQIVEAGEK.Y	1886.048	0.00073	3	1	37.4	0
P12163_1_S1,20737 K.ITQLELTLNQSNT.R.S	1935.081	0.00875	3	1	29	0
P12163_1_F4,20863 K.LSQLSTALK.E	1568.983	0.00192	3	1	28.4	0
P12163_1_F5,19743 K.LSQLSTALK.E	1568.983	0.00627	3	1	26.1	0
P12163_1_F4,18473 K.MYEEQLAEAAGK.Y	1948.031	0.00586	3	1	49.5	0
P12163_1_F4,18476 K.MYEEQLAEAAGK.Y	1948.031	0.00601	2	1	43.5	0
P12163_2_F1,17786 K.MYEEQLAEAAGK.Y	1948.031	0.00664	3	1	29.3	0
P12163_1_F4,9263 K.NAEIENAR.L	1220.654	0.00189	2	1	24.3	0
P12163_1_F5,10504 K.NLEGQVK.M	1395.842	0.00947	2	1	25.5	0
P12163_2_F2,11352 K.NLEGQVK.M	1395.842	0.00297	2	1	25.6	0
P12163_1_S1,18165 K.NLESTVEELQTR.S	1722.917	0.00114	3	1	41.3	0
P12163_1_S1,18476 K.NLESTVEELQTR.S	1722.917	0.00057	2	1	41.3	0
P12163_1_S1,18520 K.NLESTVEELQTR.S	1722.917	0.00495	3	1	51.4	0
P12163_1_F2,7734 K.SAEEQLEQQTR.V	1622.829	0.00041	3	1	30.1	0
P12163_1_F2,9031 K.SAEEQLEQQTR.V	1622.829	0.00089	3	1	38.8	0
P12163_1_F7,9379 K.SLEEQHNETGAAAAT	2275.122	0.00593	3	1	49.7	0
P12163_1_S1,22649 K.TDSLSQLANNAELE	2538.423	0.01188	3	1	54.3	0
P12163_2_F1,14582 K.VAELEQK.L	1424.857	0.00717	2	1	24.9	0
P12163_1_S1,25098 K.VCELASELEAFQAR.T	1926.99	0.00293	3	1	29.7	0
P12163_1_S1,25262 K.VCELASELEAFQAR.T	1926.99	0.00197	3	1	52.8	0
P12163_1_F5,18258 K.VSELEDIK.L	1540.904	0.0112	2	1	28.9	0
P12163_2_F1,18574 K.VSELEDIK.L	1540.904	0.00584	2	1	25.1	0
P12163_2_F1,18600 K.VSELEDIK.L	1540.904	0.00438	3	1	27.1	0
P12163_1_S1,15216 K.VTSLESTNEELQR.Q	1809.95	-0.00062	2	1	27.5	0
P12163_1_F5,14316 K.YNSELNAMK.E	1677.909	0.00776	2	1	42.2	0
P12163_1_F5,7623 R.ASNEAAEEAK.S	1627.875	0.00552	2	1	59.8	0
P12163_2_F1,8084 R.ASNEAAEEAK.S	1627.875	0.00422	2	1	57.8	0
P12163_2_F1,8140 R.ASNEAAEEAK.S	1627.875	0.0082	3	1	29	0
P12163_1_F4,13237 R.DIEANLNLEK.V	1767.97	0.00917	2	1	41	0
P12163_1_F4,13302 R.DIEANLNLEK.V	1767.97	0.00528	3	1	29.6	0
P12163_1_F2,6595 R.EASTVAETR.K	1267.68	0.00429	3	1	22.7	0
P12163_1_S1,17844 R.ELQIAQTAIAEQR.G	1774.996	0.00484	3	1	58.7	0
P12163_1_F3,17501 R.ELTESLNAAADEK.R	1999.08	0.00534	2	1	43.4	0
P12163_1_F4,17067 R.ESVEAVLK.T	1482.899	0.00402	2	1	32.6	0
P12163_1_F4,17102 R.ESVEAVLK.T	1482.899	0.00736	3	1	34.9	0
P12163_2_F1,22065 R.IQELEEQISK.L	1825.053	0.0028	2	1	37	0
P12163_1_F4,18107 R.LLETANVSAK.E	1653.999	0.00695	2	1	42.2	0
P12163_2_F1,17366 R.LLETANVSAK.E	1653.999	0.00463	2	1	45	0
P12163_1_F3,17675 R.LQDDVLVSK.E	1624.973	0.00875	2	1	47	0
P12163_1_F2,21020 R.NALYEQVIQLQR.E	1779.007	0.00261	2	1	25.3	0
P12163_1_F5,9644 R.NSDENFCK.T	1621.81	0.01121	2	1	26.3	0
P12163_1_F3,4730 R.SAEDED.R.A	1125.533	0.00342	2	1	36.3	0
P12163_1_F4,6530 R.SGHFER.E	1036.548	0.00336	3	1	26.2	0
P12163_1_F8,21309 R.SIELEDLFQTSHSK.L	2242.218	0.00672	3	1	47	0
P12163_2_F6,20898 R.SIELEDLFQTSHSK.L	2242.218	0.00279	3	1	49.6	0

P12163_1_F3,21452	R.SNTEISAIQEELGLSK.I	2327.291	-0.00127	3	1	43	0
P12163_1_F3,23356	R.SNTEISAIQEELGLSK.I	2327.291	0.00647	3	1	54.5	0
P12163_2_F2,16692	K.ASGNWMYAAK.L	1706.914	0.0058	2	1	39.1	0
P12163_2_F8_12070	K.ATSVDEQPNLIEKPAQ	3292.779	0.01002	4	1	43.1	0
P12163_1_S1,14929	K.AVIVEVGPR.L	1243.768	0.00474	2	1	24.9	0
P12163_1_F3,17796	K.DSLSMAAYS GG EVVK	2122.131	-0.00209	2	1	69.6	0
P12163_1_S1,17578	K.FGEPLIQGYTR.T	1584.869	0.0053	3	1	24.6	0
P12163_1_S1,19055	K.FGEPLIQGYTR.T	1584.869	0.00605	3	1	29.9	0
P12163_1_F7,16504	K.GALQDNQINDFAAM*	2335.14	0.00464	3	1	86	0
P12163_1_F7,18957	K.GALQDNQINDFAAM*	2335.14	0.00311	3	1	79.5	0
P12163_2_S5,16290	K.GALQDNQINDFAAM*	2335.14	0.00908	3	1	64.4	0
P12163_2_S5,16523	K.GALQDNQINDFAAM*	2335.14	0.0035	3	1	86.8	0
P12163_1_F7,18965	K.GALQDNQINDFAAMV	2319.145	0.00185	3	1	66.4	0
P12163_1_F2,20398	K.GEPDIGM*LVVK.I	1782.029	0.0042	3	1	30.6	0
P12163_1_F3,20865	K.GEPDIGMLVVK.I	1766.034	0.00975	3	1	29.4	0
P12163_1_F8,17029	K.GMEGSTLGVWAAHGI	2019.002	0.00463	3	1	66.1	0
P12163_1_F8,17047	K.GMEGSTLGVWAAHGI	2019.002	0.00031	2	1	55.2	0
P12163_1_F5,17566	K.ISNQIVGLK.T	1579.999	0.00879	2	1	32	0
P12163_2_F1,18158	K.ISNQIVGLK.T	1579.999	0.00383	3	1	44	0
P12163_2_F6,14906	K.IVDGKPMDR.T	1752.03	0.0012	2	1	27.6	0
P12163_1_F7,21927	K.LGDDGILLHIDLAK.G	2101.248	-0.00075	3	1	38.5	0
P12163_1_F3,17360	K.LSFTPSLTDEK.Y	1846.042	0.0074	3	1	27.5	0
P12163_1_F3,18025	K.LSFTPSLTDEK.Y	1846.042	0.00857	3	1	26.7	0
P12163_1_F3,19836	K.LSFTPSLTDEK.Y	1846.042	-0.00231	2	1	28.9	0
P12163_2_F10,1628	K.RNPTTVELFDIAQSNSI	2605.327	0.00841	4	1	33.2	0
P12163_1_F3,17821	K.STLQANPNNSVIGFK.I	2198.239	0.00408	3	1	46.3	0
P12163_1_F4,18296	K.STLQANPNNSVIGFK.I	2198.239	0.00534	3	1	29.3	0
P12163_1_F4,18340	K.STLQANPNNSVIGFK.I	2198.239	0.00332	2	1	58.6	0
P12163_2_F1,17636	K.STLQANPNNSVIGFK.I	2198.239	0.00254	2	1	67.9	0
P12163_1_S1,14626	K.TEQCFNIGLDSR.I	1743.864	0.00537	3	1	45.1	0
P12163_1_S1,16427	K.TEQCFNIGLDSR.I	1743.864	0.00272	2	1	53.6	0
P12163_1_S1,16459	K.TEQCFNIGLDSR.I	1743.864	0.00615	3	1	37.5	0
P12163_1_F6,12260	K.TFEFHHVDQAR.E	1690.86	0.00412	4	1	30.8	0
P12163_2_F6,11757	K.TFEFHHVDQAR.E	1690.86	0.00442	3	1	33.3	0
P12163_2_F6,14600	K.VDGLTHLNEK.T	1734.001	0.00409	2	1	54.3	0
P12163_2_F7,13683	K.VDGLTHLNEK.T	1734.001	0.00573	3	1	23.2	0
P12163_1_F6,13347	K.VTSLSHVK.A	1478.915	0.00389	3	1	24.1	0
P12163_1_F2,13811	R.DLLQSICER.E	1437.767	0.00184	3	1	36.6	0
P12163_1_F3,25340	R.FNQPLLNQFQEFYK.R	2424.317	0.00406	3	1	56.2	0
P12163_1_F2,22982	R.FSSVTIEDSPAIM*LK.C	2262.251	0.01296	3	1	37.8	0
P12163_1_S1,20022	R.FSSVTIEDSPAIM*LK.C	2262.251	0.00735	3	1	44.1	0
P12163_2_F1,6852	R.GDAEM*AQK.L	1473.783	0.00447	2	1	27.6	0
P12163_1_F4,10030	R.GDAEMAQK.L	1457.788	0.00799	2	1	27.1	0
P12163_1_F5,8501	R.GDAEMAQK.L	1457.788	0.00891	2	1	24	0
P12163_2_F1,9157	R.GDAEMAQK.L	1457.788	0.00905	2	1	36.4	0
P12163_1_F6,10596	R.HLAM*MPHPER.C	1538.787	0.00456	4	1	26.7	0
P12163_1_F6,10643	R.HLAM*MPHPER.C	1538.787	-0.00251	3	1	45.9	0
P12163_2_F6,11654	R.HLAM*MPHPER.C	1538.787	0.00289	3	1	34.1	0
P12163_1_F6,9340	R.HLAMM*PHPER.C	1538.787	-0.00632	4	1	49.2	0
P12163_1_F6,12104	R.HLAMM*PHPER.C	1538.787	0.00628	4	1	45.9	0
P12163_2_F6,11643	R.HLAMM*PHPER.C	1538.787	0.00096	4	1	45.8	0

P12163_1_F6,12072	R.HLAMMPHPER.C	1522.792	0.00372	4	1	45	0
P12163_2_F6,11652	R.HLAMMPHPER.C	1522.792	0.00228	4	1	50.9	0
P12163_2_F8,12070	R.HWFFTGK.I	1530.868	0.00481	3	1	22.2	0
P12163_1_F6,13651	R.ILHSHLAPVR.Y	1446.885	0.00178	3	1	60.8	0
P12163_1_F6,13666	R.ILHSHLAPVR.Y	1446.885	0.0058	2	1	31.4	0
P12163_1_F6,13682	R.ILHSHLAPVR.Y	1446.885	0.00669	4	1	33.2	0
P12163_2_F6,12915	R.ILHSHLAPVR.Y	1446.885	0.00223	3	1	60.8	0
P12163_2_S5,12576	R.ILHSHLAPVR.Y	1446.885	0.00361	4	1	35.2	0
P12163_2_S5,12718	R.ILHSHLAPVR.Y	1446.885	-0.00407	3	1	26.6	0
P12163_1_S1,24088	R.IPLLQDSAAAELLK.S	2090.268	0.00607	3	1	52	0
P12163_1_F4,14994	R.LASCVESEK.E	1630.893	0.01328	2	1	27.3	0
P12163_2_F1,13914	R.LASCVESEK.E	1630.893	0.01428	2	1	33.5	0
P12163_1_F3,27575	R.LAVGEALTNLVWAK.V	2093.258	0.00483	3	1	46.1	0
P12163_2_F1,13703	R.MTECVYTEK.L	1768.907	0.00529	3	1	26.9	0
P12163_1_F7,19024	R.NPTTVELFDIAQSNSEI	2449.226	0.01214	3	1	60.5	0
P12163_2_F10,17630	R.NPTTVELFDIAQSNSEI	2449.226	-0.00169	3	1	51.4	0
P12163_2_F4,18603	R.NPTTVELFDIAQSNSEI	2449.226	0.00239	3	1	72.6	0
P12163_2_S5,18441	R.NPTTVELFDIAQSNSEI	2449.226	0.00713	3	1	76.8	0
P12163_1_F4,19537	R.TLMQIVK.S	1440.907	0.00773	2	1	30.3	0
P12163_2_F1,18922	R.TLMQIVK.S	1440.907	0.00505	2	1	28.3	0
P12163_1_F2,13026	R.VCGLTEVTR.L	1338.735	0.00273	3	1	34.1	0
P12163_1_S1,12123	R.VSM*AVIGTISGEGR.V	1696.921	0.00877	3	1	22	0
P12163_1_S1,15043	R.VSMAVIGTISGEGR.V	1680.926	-0.00335	3	1	32.7	0
P12163_1_S1,20536	R.VSMAVIGTISGEGR.V	1680.926	-0.00227	3	1	34.5	0
P12163_1_F3,15299	R.VVLVDSAAVQK.C	1737.073	0.00891	3	1	29.4	0
P12163_1_F3,18443	R.VVLVDSAAVQK.C	1737.073	0.00534	2	1	68.6	0
P12163_1_F3,18467	R.VVLVDSAAVQK.C	1737.073	0.01077	3	1	53.7	0
P12163_1_F3,18554	R.VVLVDSAAVQK.C	1737.073	0.00501	3	1	70.6	0
P12163_1_F6,17620	R.VVLVDSAAVQK.C	1737.073	0.00057	3	1	60.4	0
P12163_1_F4,18151	K.APELLYK.S	1441.887	0.00425	3	1	25.9	0
P12163_1_F4,18739	K.APELLYK.S	1441.887	0.00551	3	1	22.4	0
P12163_1_F6,17445	K.APELLYK.S	1441.887	0.00425	3	1	23.9	0
P12163_1_F7,16030	K.APELLYK.S	1441.887	0.00053	3	1	22.2	0
P12163_1_F9,17114	K.APELLYK.S	1441.887	0.00149	2	1	31.5	0
P12163_1_S10,16680	K.APELLYK.S	1441.887	0.00428	3	1	23	0
P12163_2_F1,17376	K.APELLYK.S	1441.887	0.00407	3	1	25.7	0
P12163_2_F10,15090	K.APELLYK.S	1441.887	0.00062	3	1	23	0
P12163_2_F4,15672	K.APELLYK.S	1441.887	-0.00334	3	1	22.9	0
P12163_2_F9,15879	K.APELLYK.S	1441.887	0.00974	3	1	23.8	0
P12163_2_S5,16028	K.APELLYK.S	1441.887	0.00389	3	1	23.5	0
P12163_1_F2,15200	K.ASNPVVM*VQAYR.L	1654.889	0.00322	3	1	51.6	0
P12163_1_S1,12279	K.ASNPVVM*VQAYR.L	1654.889	0.00163	3	1	52.3	0
P12163_1_S1,13957	K.ASNPVVM*VQAYR.L	1654.889	0.00331	3	1	31.2	0
P12163_1_S1,14034	K.ASNPVVM*VQAYR.L	1654.889	0.00525	2	1	42.5	0
P12163_2_F6,14427	K.ASNPVVM*VQAYR.L	1654.889	0.00305	2	1	34.6	0
P12163_1_F2,15186	K.ASNPVVMVQAYR.L	1638.894	0.00151	3	1	28.1	0
P12163_1_F2,17803	K.ASNPVVMVQAYR.L	1638.894	0.00471	2	1	37.6	0
P12163_1_F8,17865	K.ASNPVVMVQAYR.L	1638.894	0.00287	2	1	50.5	0
P12163_1_S1,14701	K.ASNPVVMVQAYR.L	1638.894	0.00217	3	1	47.5	0
P12163_1_S1,16904	K.ASNPVVMVQAYR.L	1638.894	0.00377	2	1	50.5	0
P12163_1_S1,16912	K.ASNPVVMVQAYR.L	1638.894	0.0023	3	1	55.9	0

P12163_1_S1,17135	K.ASNPVVMVQAYR.L	1638.894	0.00461	2	1	51.8	0
P12163_1_S1,17141	K.ASNPVVMVQAYR.L	1638.894	0.00304	3	1	55.3	0
P12163_2_F6,14812	K.ASNPVVMVQAYR.L	1638.894	0.00032	3	1	40.7	0
P12163_2_F6,17344	K.ASNPVVMVQAYR.L	1638.894	0.00209	2	1	40.1	0
P12163_1_F7,22316	K.DIDATM*ILHDLPFNEI	2611.353	0.00697	3	1	43.8	0
P12163_1_F7,22936	K.DIDATM*ILHDLPFNEI	2611.353	0.00504	2	1	34.4	0
P12163_1_F7,22915	K.DIDATMILHDLPFNED	2595.358	0.0046	3	1	60.4	0
P12163_1_F7,22951	K.DIDATMILHDLPFNED	2595.358	0.0022	2	1	47.3	0
P12163_1_F7,23088	K.DIDATMILHDLPFNED	2595.358	0.00319	3	1	31.6	0
P12163_1_S1,22780	K.DLATVDSILLR.E	1519.9	0.00015	3	1	51.5	0
P12163_1_S1,8612	K.DVAGTVEEVM*R.I	1525.783	0.00199	3	1	32	0
P12163_1_S1,10658	K.DVAGTVEEVM*R.I	1525.783	0.00421	3	1	26.9	0
P12163_1_S1,13699	K.DVAGTVEEVM*R.I	1525.783	0.00247	3	1	57.2	0
P12163_1_S1,13789	K.DVAGTVEEVM*R.I	1525.783	0.00601	2	1	28.9	0
P12163_1_S1,10613	K.DVAGTVEEVMR.I	1509.788	0.00256	3	1	30.4	0
P12163_1_S1,18719	K.DVAGTVEEVMR.I	1509.788	0.00697	3	1	48.3	0
P12163_1_S1,18725	K.DVAGTVEEVMR.I	1509.788	0.00487	2	1	43	0
P12163_1_S1,18936	K.DVAGTVEEVMR.I	1509.788	0.00233	2	1	46.2	0
P12163_1_F2,9680	K.EGEEVDYR.G	1300.632	0.00345	2	1	28.7	0
P12163_1_S1,9502	K.EGEEVDYR.G	1300.632	0.00375	2	1	24.8	0
P12163_1_F8,24375	K.ELEHIEEVFSPLVEK.C	2406.338	0.00462	3	1	32.9	0
P12163_1_F4,19344	K.IDLYVGK.T	1415.872	0.00809	2	1	31.5	0
P12163_1_F4,19368	K.IDLYVGK.T	1415.872	0.00715	3	1	28.9	0
P12163_1_F4,19617	K.IDLYVGK.T	1415.872	0.00989	2	1	31.7	0
P12163_1_F4,20113	K.IDLYVGK.T	1415.872	0.01235	2	1	24.2	0
P12163_1_F4,20383	K.IDLYVGK.T	1415.872	0.00289	2	1	25.2	0
P12163_1_F4,20804	K.IDLYVGK.T	1415.872	0.01017	2	1	31.2	0
P12163_1_F4,23469	K.IDLYVGK.T	1415.872	0.00599	2	1	29.5	0
P12163_1_F5,18292	K.IDLYVGK.T	1415.872	0.00979	2	1	32.9	0
P12163_1_F6,18516	K.IDLYVGK.T	1415.872	0.00587	2	1	32.8	0
P12163_1_F7,16968	K.IDLYVGK.T	1415.872	0.00157	2	1	30.6	0
P12163_1_F7,17622	K.IDLYVGK.T	1415.872	0.00957	2	1	24.7	0
P12163_1_F9,17947	K.IDLYVGK.T	1415.872	0.00607	2	1	33.5	0
P12163_1_F9,17964	K.IDLYVGK.T	1415.872	0.00652	3	1	22.5	0
P12163_2_F1,18624	K.IDLYVGK.T	1415.872	0.00783	2	1	31.4	0
P12163_2_F1,18644	K.IDLYVGK.T	1415.872	0.00859	3	1	29.5	0
P12163_2_F4,16777	K.IDLYVGK.T	1415.872	0.00163	2	1	29.5	0
P12163_2_F9,16859	K.IDLYVGK.T	1415.872	0.00579	2	1	24.1	0
P12163_2_S5,17015	K.IDLYVGK.T	1415.872	0.00706	3	1	26.4	0
P12163_2_F6,20823	K.LDFHNFVFSM*K.A	2009.077	0.00755	3	1	22.2	0
P12163_1_F2,11613	K.LLPEGTR.L	1089.657	0.00462	3	1	25.7	0
P12163_1_F3,12236	K.LLPEGTR.L	1089.657	0.00399	3	1	36	0
P12163_2_F1,11426	K.LLPEGTR.L	1089.657	0.00357	3	1	23	0
P12163_1_F4,19410	K.LVVGM*PFK.D	1514.922	0.00655	3	1	25	0
P12163_1_F7,20163	K.LVVGM*PFK.D	1514.922	0.00187	3	1	27.2	0
P12163_2_F1,18703	K.LVVGM*PFK.D	1514.922	0.00928	3	1	27.5	0
P12163_2_F4,19709	K.LVVGM*PFK.D	1514.922	0.00061	3	1	23.1	0
P12163_1_F4,23069	K.LVVGM*PFK.D	1498.928	0.00568	3	1	23.1	0
P12163_1_F7,20283	K.LVVGM*PFK.D	1498.928	0.00298	2	1	28.9	0
P12163_1_F9,21014	K.LVVGM*PFK.D	1498.928	0.00619	3	1	23.1	0
P12163_2_F4,20135	K.LVVGM*PFK.D	1498.928	0.00355	3	1	22.6	0

P12163_2_S5,19158	K.LVVGMPFK.D	1498.928	0.001	3	1	26.8	0
P12163_2_S5,19659	K.LVVGMPFK.D	1498.928	0.00826	3	1	22.2	0
P12163_1_F5,10571	K.NTLVQK.N	1310.825	0.0115	3	1	26.6	0
P12163_2_F2,11367	K.NTLVQK.N	1310.825	0.0082	3	1	24.2	0
P12163_1_F6,23980	K.NYNIPLVADIHFAPSV	2414.35	0.00065	3	1	34.4	0
P12163_1_F3,26682	K.SAIGIGTLLQDGLGDTI	2104.192	-0.00443	2	1	51.8	0
P12163_1_F2,8615	K.TEYVSCPSCGR.T	1619.746	0.00375	3	1	28.5	0
P12163_1_F2,10879	K.TEYVSCPSCGR.T	1619.746	0.0001	2	1	24.8	0
P12163_1_F2,11084	K.TEYVSCPSCGR.T	1619.746	0.00286	2	1	28.8	0
P12163_1_F3,11228	K.TEYVSCPSCGR.T	1619.746	0.00006	2	1	25.2	0
P12163_1_F9,8730	K.TEYVSCPSCGR.T	1619.746	0.00276	3	1	24.2	0
P12163_2_F9,10873	K.TEYVSCPSCGR.T	1619.746	0.00292	2	1	25.7	0
P12163_1_F4,11485	K.YCESIHK.T	1544.835	0.00502	3	1	27.1	0
P12163_1_F5,10125	K.YCESIHK.T	1544.835	0.00493	3	1	28.6	0
P12163_1_F6,11202	K.YCESIHK.T	1544.835	0.00631	3	1	33.6	0
P12163_2_S5,10719	K.YCESIHK.T	1544.835	0.00286	3	1	27.6	0
P12163_2_S5,10942	K.YCESIHK.T	1544.835	0.0061	3	1	34.1	0
P12163_1_F3,19155	R.AAELQQGVAPFEEK.H	2125.175	0.00671	2	1	74.4	0
P12163_1_F6,18268	R.AAELQQGVAPFEEK.H	2125.175	0.00735	3	1	35.9	0
P12163_1_F2,15524	R.AQFQQLEYTDDEYQK	2514.261	0.01646	3	1	30	0
P12163_1_F2,16881	R.AQFQQLEYTDDEYQK	2514.261	0.00767	3	1	45	0
P12163_1_F3,16079	R.AQFQQLEYTDDEYQK	2514.261	0.00731	3	1	41.7	0
P12163_1_F3,17427	R.AQFQQLEYTDDEYQK	2514.261	0.00608	3	1	55.5	0
P12163_1_F2,20528	R.DGSVLM*SVSLDQLK..	2116.178	0.01236	3	1	22.3	0
P12163_1_S1,19392	R.DGSVLM*SVSLDQLK..	2116.178	0.00342	2	1	43.8	0
P12163_1_S1,19407	R.DGSVLM*SVSLDQLK..	2116.178	0.00095	4	1	38.8	0
P12163_1_S1,21267	R.DGSVLM*SVSLDQLK.A	2100.183	0.00639	3	1	29.2	0
P12163_1_S1,21303	R.DGSVLM*SVSLDQLK.A	2100.183	0.00614	2	1	42.8	0
P12163_1_S1,21435	R.DGSVLM*SVSLDQLK.A	2100.183	0.01569	3	1	32.2	0
P12163_1_F2,15827	R.DTSFNLLQGCR.M	1614.821	0.00304	3	1	35.2	0
P12163_1_F2,15843	R.DTSFNLLQGCR.M	1614.821	0.00455	2	1	28.4	0
P12163_1_F2,16065	R.DTSFNLLQGCR.M	1614.821	0.00184	3	1	34.8	0
P12163_1_F2,16079	R.DTSFNLLQGCR.M	1614.821	0.00483	2	1	31.8	0
P12163_1_F2,18286	R.DTSFNLLQGCR.M	1614.821	0.00519	2	1	29.2	0
P12163_1_F2,18374	R.DTSFNLLQGCR.M	1614.821	0.00169	3	1	26.7	0
P12163_1_F2,18537	R.DTSFNLLQGCR.M	1614.821	0.00555	2	1	34.5	0
P12163_1_F6,17937	R.DTSFNLLQGCR.M	1614.821	0.00311	2	1	31.4	0
P12163_1_F6,18437	R.DTSFNLLQGCR.M	1614.821	0.00423	2	1	41.3	0
P12163_1_S1,15667	R.DTSFNLLQGCR.M	1614.821	0.00274	3	1	28.7	0
P12163_1_S1,17769	R.DTSFNLLQGCR.M	1614.821	-0.00062	3	1	25.3	0
P12163_1_S1,17829	R.DTSFNLLQGCR.M	1614.821	0.00343	2	1	42.8	0
P12163_1_S10,221	R.DTSFNLLQGCR.M	1614.821	0.00451	3	1	22.1	0
P12163_1_F3,15843	R.EADACFEIK.N	1690.893	0.00562	2	1	35.2	0
P12163_1_F4,16784	R.EADACFEIK.N	1690.893	0.00602	2	1	39.8	0
P12163_1_F4,16827	R.EADACFEIK.N	1690.893	0.00538	3	1	30.9	0
P12163_1_F5,15557	R.EADACFEIK.N	1690.893	0.00256	2	1	30.2	0
P12163_1_F5,15616	R.EADACFEIK.N	1690.893	0.00622	3	1	26.1	0
P12163_1_F6,16186	R.EADACFEIK.N	1690.893	0.01086	2	1	30.1	0
P12163_1_F7,14843	R.EADACFEIK.N	1690.893	0.00238	3	1	26.7	0
P12163_2_F1,15912	R.EADACFEIK.N	1690.893	0.0068	2	1	39.2	0
P12163_2_F1,15925	R.EADACFEIK.N	1690.893	0.0073	3	1	31.9	0

P12163_1_F6,11641 R.ELPSVDDHDAR.L	1557.781	0.00069	2	1	28.2	0
P12163_1_F6,11881 R.ELPSVDDHDAR.L	1557.781	0.00263	3	1	60.6	0
P12163_1_F6,11882 R.ELPSVDDHDAR.L	1557.781	0.00264	2	1	51.7	0
P12163_1_F7,11254 R.ELPSVDDHDAR.L	1557.781	0.00212	3	1	40.1	0
P12163_1_F8,9062 R.ELPSVDDHDAR.L	1557.781	0.00357	2	1	35.6	0
P12163_1_F8,11679 R.ELPSVDDHDAR.L	1557.781	0.0029	3	1	75.7	0
P12163_1_F8,11857 R.ELPSVDDHDAR.L	1557.781	0.00192	2	1	41.1	0
P12163_1_F9,11820 R.ELPSVDDHDAR.L	1557.781	0.00264	2	1	26.1	0
P12163_1_F9,11843 R.ELPSVDDHDAR.L	1557.781	0.00269	3	1	51	0
P12163_2_F4,11228 R.ELPSVDDHDAR.L	1557.781	0.00149	3	1	30.1	0
P12163_2_F6,11486 R.ELPSVDDHDAR.L	1557.781	0.00365	3	1	48	0
P12163_2_F6,11489 R.ELPSVDDHDAR.L	1557.781	0.00557	2	1	27.9	0
P12163_2_F8_12070 R.ELPSVDDHDAR.L	1557.781	-0.00124	3	1	25.2	0
P12163_2_F9,11207 R.ELPSVDDHDAR.L	1557.781	-0.00832	3	1	35.5	0
P12163_2_S5,11047 R.ELPSVDDHDAR.L	1557.781	0.00173	3	1	41	0
P12163_2_S5,11271 R.ELPSVDDHDAR.L	1557.781	0.00373	4	1	42.4	0
P12163_2_S5,11275 R.ELPSVDDHDAR.L	1557.781	-0.00205	3	1	76.4	0
P12163_2_S5,11343 R.ELPSVDDHDAR.L	1557.781	0.004	2	1	42.1	0
P12163_2_S5,11480 R.ELPSVDDHDAR.L	1557.781	0.00332	3	1	76.1	0
P12163_1_F2,20036 R.GDESYYEELEILK.D	2033.09	0.0063	3	1	48	0
P12163_1_F3,20475 R.GDESYYEELEILK.D	2033.09	0.00387	2	1	73.7	0
P12163_1_F3,20509 R.GDESYYEELEILK.D	2033.09	0.00906	3	1	54	0
P12163_1_F2,14917 R.GM*VESAFEFAR.I	1563.778	-0.0018	3	1	33.1	0
P12163_1_F2,17054 R.GM*VESAFEFAR.I	1563.778	0.00246	3	1	32.1	0
P12163_1_S1,14694 R.GM*VESAFEFAR.I	1563.778	0.00348	3	1	21.9	0
P12163_1_S1,17862 R.GM*VESAFEFAR.I	1563.778	0.01334	2	1	25.8	0
P12163_1_F2,16956 R.GMVESAFEFAR.I	1547.783	0.00024	3	1	29.9	0
P12163_1_S1,16402 R.GMVESAFEFAR.I	1547.783	0.00405	3	1	46.2	0
P12163_1_S1,20674 R.GMVESAFEFAR.I	1547.783	0.00111	3	1	48.3	0
P12163_1_S1,20771 R.GMVESAFEFAR.I	1547.783	0.00418	2	1	42.8	0
P12163_1_F4,15503 R.HYFDFQR.R	1316.669	0.00525	3	1	28.5	0
P12163_1_F5,14288 R.HYFDFQR.R	1316.669	0.00309	3	1	28.2	0
P12163_1_F6,14956 R.HYFDFQR.R	1316.669	0.00231	3	1	24.4	0
P12163_1_F7,14506 R.HYFDFQR.R	1316.669	0.00285	3	1	31.2	0
P12163_1_S10,15490 R.HYFDFQR.R	1316.669	0.00309	3	1	24.4	0
P12163_1_S10,1569 R.HYFDFQR.R	1316.669	0.0033	3	1	26.2	0
P12163_2_F4,23630 R.HYFDFQR.R	1316.669	0.00216	3	1	27.5	0
P12163_2_S5,14780 R.HYFDFQR.R	1316.669	0.00261	3	1	27.1	0
P12163_1_F4,15756 R.IADQGADLVR.I	1361.769	0.00219	2	1	27.9	0
P12163_1_S1,14366 R.IADQGADLVR.I	1361.769	0.00771	2	1	28.5	0
P12163_1_S1,14412 R.IADQGADLVR.I	1361.769	0.00074	3	1	75.2	0
P12163_1_S1,14604 R.IADQGADLVR.I	1361.769	0.00137	2	1	46.3	0
P12163_1_S1,14652 R.IADQGADLVR.I	1361.769	0.00296	3	1	78.6	0
P12163_1_S1,14849 R.IADQGADLVR.I	1361.769	0.00733	2	1	30.1	0
P12163_1_S1,14940 R.IADQGADLVR.I	1361.769	0.00572	3	1	81.1	0
P12163_1_S1,15154 R.IADQGADLVR.I	1361.769	0.00425	2	1	46.1	0
P12163_1_S1,15455 R.IADQGADLVR.I	1361.769	-0.00355	2	1	33.7	0
P12163_1_S10,242 R.IADQGADLVR.I	1361.769	0.00584	3	1	25.6	0
P12163_1_S10,297 R.IADQGADLVR.I	1361.769	0.00427	2	1	29.7	0
P12163_1_F3,9348 R.IGTNHGSLSDR.I	1460.776	0.00321	3	1	42.4	0
P12163_1_F4,9872 R.IGTNHGSLSDR.I	1460.776	0.00552	3	1	25.2	0

P12163_1_F5,8134	R.IGTNHGSLSDR.I	1460.776	0.00093	2	1	28	0
P12163_1_F5,8139	R.IGTNHGSLSDR.I	1460.776	0.00252	3	1	34.4	0
P12163_1_F6,9533	R.IGTNHGSLSDR.I	1460.776	-0.00565	2	1	34.4	0
P12163_1_F6,9537	R.IGTNHGSLSDR.I	1460.776	-0.00345	3	1	31.8	0
P12163_2_F4,8664	R.IGTNHGSLSDR.I	1460.776	-0.00228	3	1	34.2	0
P12163_2_S5,7975	R.IGTNHGSLSDR.I	1460.776	0.00322	4	1	28	0
P12163_2_S5,7987	R.IGTNHGSLSDR.I	1460.776	0.00387	3	1	23.9	0
P12163_2_S5,9220	R.IGTNHGSLSDR.I	1460.776	0.00315	2	1	27.7	0
P12163_2_S5,9224	R.IGTNHGSLSDR.I	1460.776	0.00219	3	1	33.6	0
P12163_1_F2,13645	R.IM*SYYGDSR.G	1508.736	0.00254	3	1	29.9	0
P12163_1_F2,13950	R.IM*SYYGDSR.G	1508.736	0.00215	2	1	28.7	0
P12163_1_F2,15521	R.IM*SYYGDSR.G	1508.736	0.0023	3	1	56.5	0
P12163_1_F2,17450	R.IM*SYYGDSR.G	1508.736	0.00767	2	1	27.1	0
P12163_1_F9,17180	R.IM*SYYGDSR.G	1508.736	0.00713	2	1	39.5	0
P12163_2_F9,16593	R.IM*SYYGDSR.G	1508.736	0.00533	2	1	29.4	0
P12163_1_F2,15475	R.IMSYYGDSR.G	1492.741	0.00266	3	1	30.5	0
P12163_1_F2,15535	R.IMSYYGDSR.G	1492.741	0.0042	2	1	40.4	0
P12163_1_F9,17141	R.IMSYYGDSR.G	1492.741	0.00906	2	1	30.3	0
P12163_2_F4,16328	R.IMSYYGDSR.G	1492.741	0.00542	2	1	26.1	0
P12163_2_F9,16756	R.IMSYYGDSR.G	1492.741	0.00418	2	1	31.7	0
P12163_1_F5,11123	R.ITVQGK.R	1253.804	0.00796	3	1	24.2	0
P12163_2_F1,11640	R.ITVQGK.R	1253.804	0.00244	3	1	25.1	0
P12163_1_F5,13068	R.SGQLPIQK.E	1478.915	0.00799	2	1	25.8	0
P12163_1_F8,13230	R.SGQLPIQK.E	1478.915	0.00247	2	1	24.8	0
P12163_2_F1,13510	R.SGQLPIQK.E	1478.915	0.00643	2	1	27	0
P12163_2_F2,2858	R.SGQLPIQK.E	1478.915	0.00533	2	1	30.6	0
P12163_2_F2,2890	R.SGQLPIQK.E	1478.915	0.00453	3	1	24	0
P12163_2_F2,3033	R.SGQLPIQK.E	1478.915	0.00501	2	1	27.6	0
P12163_2_F2,13900	R.SGQLPIQK.E	1478.915	0.00695	2	1	30.3	0
P12163_1_F7,13182	R.TVM*VGNVAIGSEHPI	2000.09	0.00113	4	1	24.2	0
P12163_1_F7,14765	R.TVM*VGNVAIGSEHPI	2000.09	0.00298	3	1	24	0
P12163_1_F7,15106	R.TVM*VGNVAIGSEHPI	2000.09	0.00361	3	1	49.7	0
P12163_1_F7,16402	R.TVM*VGNVAIGSEHPI	2000.09	0.00469	3	1	70.6	0
P12163_1_F7,16408	R.TVM*VGNVAIGSEHPI	2000.09	0.0038	2	1	31.1	0
P12163_1_F8,262	R.TVM*VGNVAIGSEHPI	2000.09	0.00562	3	1	51.6	0
P12163_1_F8,598	R.TVM*VGNVAIGSEHPI	2000.09	0.00394	3	1	22.7	0
P12163_2_F10,1268	R.TVM*VGNVAIGSEHPI	2000.09	0.00061	3	1	54.9	0
P12163_2_F10,1403	R.TVM*VGNVAIGSEHPI	2000.09	0.00148	3	1	75.3	0
P12163_2_F10,1424	R.TVM*VGNVAIGSEHPI	2000.09	-0.00611	3	1	27.5	0
P12163_2_S5,13031	R.TVM*VGNVAIGSEHPI	2000.09	-0.00035	4	1	28.2	0
P12163_2_S5,14336	R.TVM*VGNVAIGSEHPI	2000.09	0.00307	3	1	44.7	0
P12163_1_F7,14386	R.TVMVGNVAIGSEHPIR	1984.095	0.0031	3	1	67.3	0
P12163_1_F7,16414	R.TVMVGNVAIGSEHPIR	1984.095	0.00397	3	1	81.5	0
P12163_1_F7,16422	R.TVMVGNVAIGSEHPIR	1984.095	0.00264	2	1	50.7	0
P12163_1_F8,15021	R.TVMVGNVAIGSEHPIR	1984.095	-0.00101	3	1	39.3	0
P12163_1_F8,17120	R.TVMVGNVAIGSEHPIR	1984.095	0.00694	3	1	76.3	0
P12163_1_F8,17131	R.TVMVGNVAIGSEHPIR	1984.095	0.00362	2	1	60.6	0
P12163_2_F10,1372	R.TVMVGNVAIGSEHPIR	1984.095	0.00052	3	1	68.8	0
P12163_2_F10,1373	R.TVMVGNVAIGSEHPIR	1984.095	0.00357	4	1	39.2	0
P12163_2_F10,1529	R.TVMVGNVAIGSEHPIR	1984.095	0.00487	3	1	95.1	0
P12163_2_S5,13981	R.TVMVGNVAIGSEHPIR	1984.095	0.00229	3	1	53.8	0

P12163_2_S5,15691	R.TVMVGNVAIGSEHPIR	1984.095	-0.00209	3	1	50.2	0
P12163_2_S5,15735	R.TVMVGNVAIGSEHPIR	1984.095	-0.0003	2	1	44.8	0
P12163_2_S5,15792	R.TVMVGNVAIGSEHPIR	1984.095	0.00169	4	1	51.1	0
P12163_1_F4,9241	R.VQTM*TTNDTK.D	1762.947	0.00567	2	1	35.2	0
P12163_1_F4,12312	R.VQTM*TTNDTK.D	1762.947	0.00579	2	1	40.4	0
P12163_2_F1,8351	R.VQTM*TTNDTK.D	1762.947	0.00099	2	1	26.4	0
P12163_2_F1,8368	R.VQTM*TTNDTK.D	1762.947	-0.00238	3	1	38.9	0
P12163_2_F1,11477	R.VQTM*TTNDTK.D	1762.947	0.00271	2	1	36	0
P12163_2_F1,11492	R.VQTM*TTNDTK.D	1762.947	0.00716	3	1	26.4	0
P12163_1_F4,10077	R.VQTM*TTNDTK.D	1746.952	0.00895	2	1	35.4	0
P12163_1_F4,10084	R.VQTM*TTNDTK.D	1746.952	0.01073	3	1	35.1	0
P12163_1_F4,10703	R.VQTM*TTNDTK.D	1746.952	0.00836	3	1	29.1	0
P12163_1_F4,12294	R.VQTM*TTNDTK.D	1746.952	0.00641	2	1	54.4	0
P12163_1_F4,12303	R.VQTM*TTNDTK.D	1746.952	0.00998	3	1	39.7	0
P12163_2_F1,9874	R.VQTM*TTNDTK.D	1746.952	0.00855	2	1	29.5	0
P12163_2_F1,11452	R.VQTM*TTNDTK.D	1746.952	0.00308	3	1	51	0
P12163_1_F3,14822	R.VSLTEPPEK.E	1607.946	0.00662	2	1	28	0
P12163_1_F3,14900	R.VSLTEPPEK.E	1607.946	0.00481	3	1	37.4	0
P12163_1_F4,15232	R.VSLTEPPEK.E	1607.946	0.00551	2	1	34.9	0
P12163_1_F4,15233	R.VSLTEPPEK.E	1607.946	0.0046	3	1	25.4	0
P12163_1_F4,17618	R.VSLTEPPEK.E	1607.946	0.00319	2	1	26.5	0
P12163_1_F7,13441	R.VSLTEPPEK.E	1607.946	0.00489	2	1	29.2	0
P12163_2_F1,14195	R.VSLTEPPEK.E	1607.946	0.00628	3	1	43.3	0
P12163_2_F1,14385	R.VSLTEPPEK.E	1607.946	0.00405	2	1	26.9	0
P12163_2_F4,13138	R.VSLTEPPEK.E	1607.946	0.00425	2	1	30.6	0
P12163_1_F4,13725	K.ACASAEFFM*K.Q	1767.887	0.00677	2	1	37.8	0
P12163_2_F1,12685	K.ACASAEFFM*K.Q	1767.887	0.00475	2	1	37.4	0
P12163_1_F4,16630	K.ACASAEFFM*K.Q	1751.892	0.01292	2	1	37.3	0
P12163_2_F1,15691	K.ACASAEFFM*K.Q	1751.892	0.0084	2	1	48.2	0
P12163_2_F1,15723	K.ACASAEFFM*K.Q	1751.892	0.00496	3	1	39	0
P12163_1_F4,18696	K.ANSGPLDQYLK.L	1814.027	0.00369	3	1	41.3	0
P12163_1_F5,17445	K.ANSGPLDQYLK.L	1814.027	-0.00581	2	1	44.4	0
P12163_1_F7,16617	K.ANSGPLDQYLK.L	1814.027	0.00129	3	1	27.5	0
P12163_2_F1,17936	K.ANSGPLDQYLK.L	1814.027	0.00801	3	1	47.2	0
P12163_2_F1,17938	K.ANSGPLDQYLK.L	1814.027	0.00611	2	1	51.8	0
P12163_2_F9,16529	K.ANSGPLDQYLK.L	1814.027	0.00855	3	1	43.6	0
P12163_1_F4,18124	K.AVAEALESK.F	1525.905	0.01034	2	1	38.2	0
P12163_1_F4,18141	K.AVAEALESK.F	1525.905	0.00657	3	1	32.4	0
P12163_2_F1,17425	K.AVAEALESK.F	1525.905	0.00669	3	1	45	0
P12163_2_F1,17455	K.AVAEALESK.F	1525.905	0.00562	2	1	45	0
P12163_1_F8,21197	K.DHPFAQLSGSDNIIAFT	2670.435	-0.00119	3	1	44.6	0
P12163_1_F2,9758	K.EAGYTEPDPR.D	1438.712	0.00379	2	1	38.7	0
P12163_1_F9,9811	K.EAGYTEPDPR.D	1438.712	0.00269	2	1	44.4	0
P12163_1_S1,9872	K.EAGYTEPDPR.D	1438.712	0.00531	2	1	50.1	0
P12163_1_S1,10090	K.EAGYTEPDPR.D	1438.712	0.00431	2	1	55.5	0
P12163_1_S1,17299	K.EDFNIDLR.V	1325.7	0.00374	2	1	30	0
P12163_1_F3,13737	K.EQPLIVR.G	1158.715	0.00192	2	1	24.4	0
P12163_1_F3,9860	K.FGGTCVGTQR.I	1473.742	0.00659	3	1	38.6	0
P12163_2_F1,11596	K.FGGTCVGTQR.I	1473.742	0.00461	2	1	37.3	0
P12163_1_F9,15990	K.KANSGPLDQYLK.L	2246.327	0.01205	3	1	28	0
P12163_1_S1,16678	K.LESLPVR.S	1345.799	0.00413	3	1	38	0

P12163_1_S1,19106	K.LELSDLPVR.S	1345.799	0.00254	3	1	36.8	0
P12163_1_S1,19255	K.LELSDLPVR.S	1345.799	0.00402	2	1	36.7	0
P12163_1_F3,21120	K.LIVVSAMSK.V	1555.97	0.00992	2	1	35.4	0
P12163_1_F4,21791	K.LIVVSAMSK.V	1555.97	0.00454	2	1	32.1	0
P12163_1_F4,21816	K.LIVVSAMSK.V	1555.97	0.007	3	1	36	0
P12163_2_F1,21358	K.LIVVSAMSK.V	1555.97	0.00748	2	1	33.3	0
P12163_2_F1,21360	K.LIVVSAMSK.V	1555.97	0.00217	3	1	32.8	0
P12163_1_F2,22307	K.M*ASTPGVSATLFNAL	2303.289	0.00699	3	1	38.9	0
P12163_1_F3,23020	K.M*ASTPGVSATLFNAL	2303.289	0.00576	3	1	22.8	0
P12163_1_F3,24414	K.MASTPGVSATLFNAL	2287.294	0.00763	3	1	36.3	0
P12163_1_F8,15448	K.NVGEIIVNDDTERK.L	2210.224	0.00559	3	1	28.6	0
P12163_2_F6,14910	K.NVGEIIVNDDTERK.L	2210.224	0.0034	3	1	29.4	0
P12163_1_F3,19366	K.QLPQFDEELAK.Q	1926.079	0.0007	2	1	47.9	0
P12163_1_F3,19385	K.QLPQFDEELAK.Q	1926.079	0.00669	3	1	34	0
P12163_1_F3,19415	K.QLPQFDEELAK.Q	1926.079	0.00558	3	1	53.4	0
P12163_1_F9,11185	K.QRQEAEDAGEVLR.Y	1804.945	0.00139	2	1	43.6	0
P12163_1_F9,11237	K.QRQEAEDAGEVLR.Y	1804.945	0.00346	3	1	50.4	0
P12163_2_F7,10411	K.QRQEAEDAGEVLR.Y	1804.945	0.00085	3	1	48	0
P12163_2_F7,10412	K.QRQEAEDAGEVLR.Y	1804.945	0.00197	2	1	57.5	0
P12163_1_F2,13732	K.VSEAVILR.T	1190.741	0.00407	3	1	47	0
P12163_1_F3,26883	K.VTDMM*YDLIYK.A	2016.064	0.00673	3	1	32.4	0
P12163_1_F3,26891	K.VTDMMYDLIYK.A	2000.069	0.00625	3	1	39.4	0
P12163_1_F7,17689	R.AHQVTIWTVDVGVYS	2434.23	0.0016	3	1	53.5	0
P12163_2_F1,11720	R.DQAAVLK.E	1352.836	0.00784	3	1	28.4	0
P12163_1_F6,18305	R.EVLIVNPTSSNQVDPD	3198.674	0.00074	3	1	34.4	0
P12163_1_F6,18341	R.EVLIVNPTSSNQVDPD	3198.674	0.00661	4	1	35.7	0
P12163_1_F9,13653	R.GIHVITPNK.K	1586.984	0.00412	2	1	25.7	0
P12163_1_F8,14711	R.GLLETGDHILR.I	1527.88	-0.00237	3	1	55.2	0
P12163_1_F8,17587	R.GLLETGDHILR.I	1527.88	0.00471	3	1	80.5	0
P12163_1_F8,17799	R.GLLETGDHILR.I	1527.88	0.00192	3	1	74.7	0
P12163_1_S10,1685	R.GLLETGDHILR.I	1527.88	0.00021	3	1	29.4	0
P12163_2_F6,14093	R.GLLETGDHILR.I	1527.88	-0.00015	3	1	31.6	0
P12163_2_F6,14112	R.GLLETGDHILR.I	1527.88	0.00311	4	1	39	0
P12163_2_F6,17046	R.GLLETGDHILR.I	1527.88	0.00135	3	1	68.5	0
P12163_2_F6,17069	R.GLLETGDHILR.I	1527.88	0.00616	2	1	30	0
P12163_2_F6,17254	R.GLLETGDHILR.I	1527.88	0.00237	3	1	77.6	0
P12163_2_F6,17281	R.GLLETGDHILR.I	1527.88	0.00158	2	1	33.1	0
P12163_2_S5,15496	R.GLLETGDHILR.I	1527.88	0.00381	3	1	45	0
P12163_1_F9,18149	R.KLIVVSAMSK.V	1988.27	0.00937	3	1	30.6	0
P12163_2_F9,16799	R.KLIVVSAMSK.V	1988.27	0.00955	3	1	37.9	0
P12163_1_F5,21265	R.LASYLGAPS.-	1182.667	0.00222	2	1	42.3	0
P12163_2_F1,22087	R.LASYLGAPS.-	1182.667	0.004	2	1	54.7	0
P12163_1_F5,10569	R.LHHDINNLK.A	1712.006	0.00201	2	1	38	0
P12163_1_F6,11565	R.LHHDINNLK.A	1712.006	0.00851	2	1	28.1	0
P12163_1_F6,11568	R.LHHDINNLK.A	1712.006	0.00516	3	1	26	0
P12163_2_S5,10982	R.LHHDINNLK.A	1712.006	0.00717	3	1	32.1	0
P12163_1_S1,22106	R.LSQVAIVPNCISILAAVC	2576.505	0.00741	3	1	55.4	0
P12163_1_S1,22178	R.LSQVAIVPNCISILAAVC	2576.505	0.003	4	1	55	0
P12163_1_F3,25915	R.NDSYLSALDAVFEK.H	2180.169	0.00743	3	1	40.6	0
P12163_1_F3,25923	R.NDSYLSALDAVFEK.H	2180.169	0.00131	2	1	47.3	0
P12163_1_S1,12973	R.QEAEDAGEVLR.Y	1520.786	0.00248	2	1	39.8	0

P12163_1_S1,12992 R.QEAEDAGEVLR.Y	1520.786	-0.00228	3	1	56.1	0
P12163_1_F4,18605 R.SFSEVVAAEAK.E	1674.952	0.00758	2	1	55.2	0
P12163_2_F1,17812 R.SFSEVVAAEAK.E	1674.952	0.00844	2	1	44.8	0
P12163_2_F1,17822 R.SFSEVVAAEAK.E	1674.952	0.00991	3	1	38.2	0
P12163_2_F1,17616 R.SLVPEPLK.A	1490.94	0.00568	3	1	26.2	0
P12163_1_S1,19640 R.YDIPIVIR.N	1292.788	0.00218	3	1	36	0
P12163_1_S10,1587'R.YHDWLR.R	1193.637	0.00366	3	1	24.1	0
P12163_1_F3,19259 R.YVGVVDAINK.E	1686.005	0.00454	3	1	47.5	0
P12163_1_F4,19750 R.YVGVVDAINK.E	1686.005	0.00876	2	1	43.4	0
P12163_1_F4,19753 R.YVGVVDAINK.E	1686.005	0.01192	3	1	47.1	0
P12163_1_F5,18575 R.YVGVVDAINK.E	1686.005	0.0075	2	1	37.4	0
P12163_1_F6,18364 R.YVGVVDAINK.E	1686.005	0.0042	2	1	28.8	0
P12163_1_F6,18370 R.YVGVVDAINK.E	1686.005	-0.00086	3	1	43.4	0
P12163_1_F6,18777 R.YVGVVDAINK.E	1686.005	0.00151	3	1	27.3	0
P12163_1_F9,18304 R.YVGVVDAINK.E	1686.005	0.00487	3	1	36.1	0
P12163_2_F1,19196 R.YVGVVDAINK.E	1686.005	0.00592	2	1	40.5	0
P12163_2_F1,19283 R.YVGVVDAINK.E	1686.005	0.00217	3	1	48.6	0
P12163_2_F1,19588 R.YVGVVDAINK.E	1686.005	0.01417	3	1	28.1	0
P12163_2_F9,17152 R.YVGVVDAINK.E	1686.005	0.0097	3	1	56.3	0
P12163_2_F9,17160 R.YVGVVDAINK.E	1686.005	0.0073	2	1	44.3	0
P12163_2_F2,14426 K.ADWYQK.V	1418.789	0.00766	3	1	22.1	0
P12163_1_F4,19255 K.APNQLVQELK.T	1748.053	0.00471	2	1	31.9	0
P12163_1_F4,19271 K.APNQLVQELK.T	1748.053	0.00566	3	1	40.8	0
P12163_2_F1,18560 K.APNQLVQELK.T	1748.053	0.00467	3	1	44.1	0
P12163_2_F1,18561 K.APNQLVQELK.T	1748.053	0.00523	2	1	38.3	0
P12163_1_F7,19286 K.AVHSGADLESAITNCL	2338.176	-0.00105	3	1	57.1	0
P12163_1_F7,19304 K.AVHSGADLESAITNCL	2338.176	0.00019	2	1	26.8	0
P12163_1_F8,20240 K.AVHSGADLESAITNCL	2338.176	0.00147	3	1	37	0
P12163_2_S5,19270 K.AVHSGADLESAITNCL	2338.176	0.00321	3	1	51.8	0
P12163_1_F7,17501 K.ELLVLVHKPGGK.T	2202.41	0.00949	4	1	27.8	0
P12163_2_F1,22916 K.GISLDEIWK.K	1668.978	0.00978	3	1	26.3	0
P12163_2_F1,22917 K.GISLDEIWK.K	1668.978	0.00354	2	1	46.5	0
P12163_1_F8,18326 K.GLGETLVGAYPGR.A	1593.89	0.00232	2	1	28.1	0
P12163_1_S1,17446 K.GLGETLVGAYPGR.A	1593.89	0.00478	2	1	35.5	0
P12163_1_S1,17453 K.GLGETLVGAYPGR.A	1593.89	0.00229	3	1	55.1	0
P12163_2_F6,17875 K.GLGETLVGAYPGR.A	1593.89	0.00286	2	1	58.9	0
P12163_2_F2,15815 K.GWSNALSM*SK.S	1704.92	0.00661	3	1	36.9	0
P12163_2_F2,15829 K.GWSNALSM*SK.S	1704.92	0.00739	2	1	33	0
P12163_2_F2,18092 K.GWSNALSMSK.S	1688.925	0.00183	2	1	29.9	0
P12163_1_F3,13886 K.GYEELNEAGPEK.I	1944.017	0.00136	2	1	53	0
P12163_1_F4,14298 K.GYEELNEAGPEK.I	1944.017	0.0031	2	1	62.2	0
P12163_1_F4,14308 K.GYEELNEAGPEK.I	1944.017	0.00998	3	1	47.4	0
P12163_1_F9,13676 K.GYEELNEAGPEK.I	1944.017	0.00518	2	1	66.1	0
P12163_2_F1,13353 K.GYEELNEAGPEK.I	1944.017	0.00038	2	1	54.3	0
P12163_2_F9,13021 K.GYEELNEAGPEK.I	1944.017	0.00398	3	1	50.1	0
P12163_1_F7,7849 K.HVAEPTEK.K	1518.874	0.00282	3	1	30.2	0
P12163_1_F9,8398 K.HVAEPTEK.K	1518.874	0.00555	3	1	56.2	0
P12163_1_F9,8453 K.HVAEPTEK.K	1518.874	0.00769	4	1	30.7	0
P12163_2_F10,8671 K.HVAEPTEK.K	1518.874	0.00633	3	1	28.7	0
P12163_2_F7,8006 K.HVAEPTEK.K	1518.874	0	3	1	30.7	0
P12163_2_F9,8444 K.HVAEPTEK.K	1518.874	0.00497	4	1	23.7	0

P12163_1_F3,19584	K.IAGLEIEAQK.S	1680.015	-0.00143	2	1	38.7	0
P12163_1_F4,20010	K.IAGLEIEAQK.S	1680.015	0.00825	2	1	32.5	0
P12163_1_F4,20059	K.IAGLEIEAQK.S	1680.015	0.00628	3	1	44.1	0
P12163_1_F4,20250	K.IAGLEIEAQK.S	1680.015	0.00527	2	1	36	0
P12163_1_F4,20303	K.IAGLEIEAQK.S	1680.015	0.00784	3	1	27.7	0
P12163_1_F5,18871	K.IAGLEIEAQK.S	1680.015	0.00787	3	1	22.7	0
P12163_2_F1,19476	K.IAGLEIEAQK.S	1680.015	0.00358	3	1	42.1	0
P12163_2_F1,19477	K.IAGLEIEAQK.S	1680.015	0.00395	2	1	25.4	0
P12163_2_F4,17318	K.IAGLEIEAQK.S	1680.015	0.00121	3	1	28.3	0
P12163_2_F4,17342	K.IAGLEIEAQK.S	1680.015	0.00077	2	1	25.7	0
P12163_1_F9,17010	K.IHLATDFK.E	1552.931	0.00362	3	1	27.3	0
P12163_2_F9,15823	K.IHLATDFK.E	1552.931	0.00527	3	1	41.2	0
P12163_2_F9,15877	K.IHLATDFK.E	1552.931	0.0031	2	1	25.1	0
P12163_2_F9,16046	K.IHLATDFK.E	1552.931	0.00881	3	1	30.7	0
P12163_1_F7,23187	K.LHNNTSPDDVIICQAL	3050.644	0.00339	4	1	41.2	0
P12163_2_F8_12070	K.NNGANFHVK.L	1608.907	0.00964	3	1	28.3	0
P12163_1_F3,12022	K.QVQQDFGDGK.G	1729.933	0.0072	2	1	24.1	0
P12163_2_F1,12081	K.QVQQDFGDGK.G	1729.933	0.00766	2	1	37.6	0
P12163_1_F5,20067	K.SDNWALFAK.S	1659.931	0.00343	3	1	28.2	0
P12163_2_F1,20716	K.SDNWALFAK.S	1659.931	0.00866	2	1	26.8	0
P12163_2_F6,15821	K.SYDRPTILLAR.R	1608.937	0.00341	2	1	25.4	0
P12163_1_F3,18011	K.VLSDNINQAVAEK.L	2009.149	0.00494	2	1	56.1	0
P12163_1_S1,12712	K.VVLDYSSDR.L	1357.726	0.00293	3	1	42.2	0
P12163_1_S1,14969	K.VVLDYSSDR.L	1357.726	0.00232	2	1	24.4	0
P12163_1_F2,23095	R.AGSAAALSLLLNR.L	1560.937	0.00171	3	1	54.6	0
P12163_1_S1,22011	R.AGSAAALSLLLNR.L	1560.937	0.00132	3	1	47	0
P12163_1_F9,10901	R.AIHSEPNFR.R	1374.743	0.00656	3	1	22.1	0
P12163_1_F9,12129	R.AIHSEPNFR.R	1374.743	0.00221	3	1	23.5	0
P12163_1_F9,13317	R.AIHSEPNFR.R	1374.743	0.00107	3	1	23.2	0
P12163_2_F7,10165	R.AIHSEPNFR.R	1374.743	0.0026	3	1	25.9	0
P12163_2_F9,10725	R.AIHSEPNFR.R	1374.743	0.00275	3	1	29.4	0
P12163_1_F5,18298	R.ALSFVCK.K	1432.844	0.00337	3	1	29	0
P12163_1_F5,18335	R.ALSFVCK.K	1432.844	0.00958	3	1	29.8	0
P12163_1_F5,18435	R.ALSFVCK.K	1432.844	0.00942	2	1	24.5	0
P12163_2_F1,18663	R.ALSFVCK.K	1432.844	0.01404	2	1	29.8	0
P12163_2_F2,19010	R.ALSFVCK.K	1432.844	0.00658	3	1	29.9	0
P12163_2_F2,19058	R.ALSFVCK.K	1432.844	0.00618	2	1	25	0
P12163_1_F4,22809	R.DFM*QILNK.H	1632.924	0.00424	3	1	25	0
P12163_1_F4,22826	R.DFM*QILNK.H	1632.924	0.00552	2	1	26.2	0
P12163_2_F1,22345	R.DFM*QILNK.H	1632.924	0.00625	3	1	24.9	0
P12163_1_F4,22824	R.DFMQILNK.H	1616.929	0.00385	3	1	29.6	0
P12163_1_F4,22835	R.DFMQILNK.H	1616.929	0.00612	2	1	40.1	0
P12163_1_F5,21477	R.DFMQILNK.H	1616.929	0.00502	3	1	23	0
P12163_1_F5,21484	R.DFMQILNK.H	1616.929	0.0075	2	1	38.9	0
P12163_2_F1,22298	R.DFMQILNK.H	1616.929	0.00437	3	1	33.7	0
P12163_2_F1,22299	R.DFMQILNK.H	1616.929	0.0049	2	1	38.1	0
P12163_1_F4,15555	R.DLGNYMR.T	1172.604	0.00321	2	1	24.1	0
P12163_1_F4,16733	R.ETVLQMK.A	1456.865	0.0051	3	1	25.1	0
P12163_2_F1,15792	R.ETVLQMK.A	1456.865	0.00948	2	1	25.6	0
P12163_2_F1,15825	R.ETVLQMK.A	1456.865	0.00177	3	1	26	0
P12163_1_F3,25802	R.FNIAADLIQEAK.E	1941.126	0.00428	3	1	41.2	0

P12163_2_F1,5482	R.GGEGDVGQR.I	1178.607	0.0026	2	1	30.6	0
P12163_1_F2,9610	R.GTSVEDLR.A	1180.647	0.00012	3	1	36.1	0
P12163_2_F6,17636	R.IRDEILVIQR.N	1558.958	0.00135	3	1	37.8	0
P12163_2_F6,17653	R.IRDEILVIQR.N	1558.958	0.00243	2	1	47.2	0
P12163_2_F7,15664	R.IRDEILVIQR.N	1558.958	0.00292	3	1	33.4	0
P12163_1_F6,22550	R.LITDGHFQQSILSSIAR.	2190.218	0.00141	3	1	42.5	0
P12163_1_F7,21908	R.LITDGHFQQSILSSIAR.	2190.218	0.00405	3	1	35.2	0
P12163_1_F2,18611	R.TELLEIVR.G	1405.82	0.0071	3	1	44.6	0
P12163_1_F2,24315	R.TELLEIVR.G	1405.82	0.00256	2	1	54.6	0
P12163_1_S1,17914	R.TELLEIVR.G	1405.82	0.00071	3	1	44.8	0
P12163_1_S1,23553	R.TELLEIVR.G	1405.82	0.00466	2	1	36.4	0
P12163_1_S1,23617	R.TELLEIVR.G	1405.82	0.0023	3	1	51.2	0
P12163_1_S1,23761	R.TELLEIVR.G	1405.82	0.00394	2	1	35.1	0
P12163_1_S1,23824	R.TELLEIVR.G	1405.82	0.00413	3	1	46.3	0
P12163_1_S1,23963	R.TELLEIVR.G	1405.82	0.0054	2	1	42	0
P12163_1_S1,24035	R.TELLEIVR.G	1405.82	0.00392	3	1	37.1	0
P12163_1_F4,12770	R.TPFVSSASK.S	1531.894	0.00669	2	1	29.6	0
P12163_1_F4,14406	R.TPFVSSASK.S	1531.894	0.01377	2	1	40.6	0
P12163_2_F1,13358	R.TPFVSSASK.S	1531.894	0.00103	2	1	32.9	0
P12163_1_F2,20994	R.YAITSDEFTGELVGAK	2309.248	0.00554	3	1	33.2	0
P12163_1_F8,20984	R.YAITSDEFTGELVGAK	2309.248	0.00704	3	1	31.3	0
P12163_1_S1,18126	R.YAITSDEFTGELVGAK	2309.248	0.00767	3	1	25.9	0
P12163_1_S1,18144	R.YAITSDEFTGELVGAK	2309.248	0.0061	4	1	32.4	0
P12163_1_S1,20059	R.YAITSDEFTGELVGAK	2309.248	0.00622	4	1	47.3	0
P12163_1_S1,20097	R.YAITSDEFTGELVGAK	2309.248	0.01091	3	1	65.3	0
P12163_1_S1,20138	R.YAITSDEFTGELVGAK	2309.248	0.00573	2	1	93.9	0
P12163_2_F6,20621	R.YAITSDEFTGELVGAK	2309.248	0.00179	3	1	50.1	0
P12163_1_F5,10469	K.AFSGDTAK.R	1404.794	0.00239	2	1	24.7	0
P12163_2_F1,10992	K.AFSGDTAK.R	1404.794	0.00575	3	1	37.1	0
P12163_2_F2,11364	K.AFSGDTAK.R	1404.794	-0.0016	3	1	24.3	0
P12163_1_F5,13505	K.ASYEIVK.D	1417.851	0.00764	2	1	32.9	0
P12163_2_F1,13806	K.ASYEIVK.D	1417.851	0.00489	3	1	26.6	0
P12163_2_F2,14289	K.ASYEIVK.D	1417.851	0.00466	2	1	26.9	0
P12163_2_F2,14329	K.ASYEIVK.D	1417.851	0.00897	3	1	23.8	0
P12163_2_F8_12070	K.ASYEIVK.D	1417.851	0.00285	3	1	27	0
P12163_1_F8,14460	K.DALTALGCM*EHR.G	1693.83	0.0022	3	1	32.3	0
P12163_2_F6,13882	K.DALTALGCM*EHR.G	1693.83	0.00646	2	1	25	0
P12163_2_F6,17143	K.DALTALGCM*EHR.G	1693.83	0.00025	3	1	31.8	0
P12163_1_F8,17617	K.DALTALGCMEHR.G	1677.835	-0.00075	2	1	24.2	0
P12163_1_F8,17730	K.DALTALGCMEHR.G	1677.835	0.00313	3	1	42	0
P12163_2_F6,17110	K.DALTALGCMEHR.G	1677.835	0.00427	3	1	39.6	0
P12163_1_F4,13220	K.DDDLMLK.K	1344.729	0.00529	2	1	27	0
P12163_1_S1,8450	K.EESVDDIER.E	1395.69	-0.00021	3	1	24.4	0
P12163_1_S1,12111	K.EESVDDIER.E	1395.69	0.00401	2	1	45.8	0
P12163_1_F2,13253	K.EVIVNTR.Q	1281.747	0.00229	3	1	32.1	0
P12163_1_F2,18054	K.EVIVNTR.Q	1281.747	0.00224	2	1	27.7	0
P12163_2_F1,13425	K.GIEGSLEK.T	1440.852	0.00647	2	1	24.1	0
P12163_2_F1,13441	K.GIEGSLEK.T	1440.852	0.00049	3	1	53.1	0
P12163_1_F4,13489	K.GLQNGDTATSAIK.Q	1884.065	-0.0008	3	1	50.7	0
P12163_1_F4,13497	K.GLQNGDTATSAIK.Q	1884.065	0.00775	2	1	48.3	0
P12163_2_F1,12566	K.GLQNGDTATSAIK.Q	1884.065	0.00617	2	1	68	0

P12163_1_F7,17273	K.GNADIIQISGHDGGTG.	2903.568	0.01176	4	1	22.6	0
P12163_1_F7,17313	K.GNADIIQISGHDGGTG.	2903.568	0.00663	3	1	80.1	0
P12163_2_F8_12070	K.HAGGPWELGLTETHQ	2775.484	0.0004	4	1	41.4	0
P12163_1_S1,14507	K.LCEAADDAVR.N	1423.715	0.00323	2	1	43.4	0
P12163_1_S1,16651	K.LDDVIGR.T	1091.636	0.00315	2	1	25.3	0
P12163_2_F6,20696	K.LHTGVGM*VFFPK.D	1957.119	0.00997	3	1	24.8	0
P12163_2_F7,16814	K.LHTGVGM*VFFPK.D	1957.119	0.01234	3	1	24.4	0
P12163_2_F7,18783	K.LHTGVGMVFFPK.D	1941.124	0.00334	3	1	47.6	0
P12163_1_F2,15549	K.LVGEAGIGTVASGVAI	2037.216	0.00287	4	1	24.3	0
P12163_1_F2,19029	K.LVGEAGIGTVASGVAI	2037.216	0.00549	3	1	63.2	0
P12163_1_F3,19599	K.LVGEAGIGTVASGVAI	2037.216	-0.00033	3	1	35.9	0
P12163_2_F4,8416	K.NHPTLSK.K	1404.842	-0.00124	3	1	26.1	0
P12163_1_S10,1785	K.SENAFSIYQQHLANRP	2760.485	-0.0015	4	1	39.6	0
P12163_2_F10,1676	K.SENAFSIYQQHLANRP	2760.485	0.00434	4	1	50.1	0
P12163_2_F8_12070	K.SENAFSIYQQHLANRP	2760.485	0.00358	4	1	44.5	0
P12163_1_F6,14359	K.SLIEAHVEK.T	1633.973	0.00264	2	1	43.7	0
P12163_2_F6,13677	K.SLIEAHVEK.T	1633.973	0.00485	3	1	38.3	0
P12163_2_F6,13692	K.SLIEAHVEK.T	1633.973	0.00532	2	1	44.3	0
P12163_2_F7,12618	K.SLIEAHVEK.T	1633.973	0.00248	3	1	34.2	0
P12163_2_F7,12638	K.SLIEAHVEK.T	1633.973	0.00722	2	1	40	0
P12163_1_F2,7151	K.SNSGEGGEDPIR.W	1521.745	0.00161	3	1	26.5	0
P12163_1_F3,7290	K.SNSGEGGEDPIR.W	1521.745	-0.00493	3	1	50.8	0
P12163_1_F3,9072	K.SNSGEGGEDPIR.W	1521.745	0.0042	2	1	26.9	0
P12163_2_F4,11052	K.TSFAIYHR.R	1298.716	0.00208	3	1	33.9	0
P12163_2_F4,12873	K.TSFAIYHR.R	1298.716	0.00338	3	1	35.8	0
P12163_1_F3,8674	K.TVGACLDL.R.N	1195.641	0.00365	3	1	23.4	0
P12163_2_F6,13427	K.VVKEESVDDIER.E	2026.128	0.00014	2	1	32.2	0
P12163_2_F1,15197	R.DISLVK.T	1282.819	0.00654	3	1	30.8	0
P12163_1_F5,21096	R.ESLSFWVK.A	1603.93	0.00507	2	1	27.3	0
P12163_2_F1,21753	R.ESLSFWVK.A	1603.93	0.00283	2	1	26.4	0
P12163_1_F8,14782	R.ETHEAIAIAM*NR.L	1675.874	0.00363	3	1	29.2	0
P12163_1_F8,14799	R.ETHEAIAIAM*NR.L	1675.874	0.00299	2	1	24.8	0
P12163_2_F6,14190	R.ETHEAIAIAM*NR.L	1675.874	0.00045	3	1	28	0
P12163_2_F6,14216	R.ETHEAIAIAM*NR.L	1675.874	-0.00061	2	1	38.1	0
P12163_1_F8,14743	R.ETHEAIAIAMNR.L	1659.879	0.00168	3	1	42.7	0
P12163_1_F8,14771	R.ETHEAIAIAMNR.L	1659.879	0.00351	2	1	56.5	0
P12163_2_F6,14160	R.ETHEAIAIAMNR.L	1659.879	0.00366	3	1	34.4	0
P12163_1_F2,19494	R.FCTGGMSLGAISR.E	1660.845	0.00416	2	1	29.4	0
P12163_1_S1,18656	R.FCTGGMSLGAISR.E	1660.845	0.00373	3	1	86.6	0
P12163_1_F4,18158	R.IAGVIAK.K	1279.856	0.00776	2	1	26.5	0
P12163_2_F1,17365	R.IAGVIAK.K	1279.856	0.006	2	1	23.9	0
P12163_1_F8,10547	R.ICHNNCPVGVASQR.I	2017.001	0.0048	3	1	73	0
P12163_2_F6,10344	R.ICHNNCPVGVASQR.I	2017.001	0.00783	3	1	26.8	0
P12163_2_F6,10362	R.ICHNNCPVGVASQR.I	2017.001	0.00161	2	1	28.2	0
P12163_1_F7,21280	R.TLKPVNFFSATAM*DN	2862.564	0.00155	3	1	31.2	0
P12163_1_F7,22372	R.TLKPVNFFSATAMDNI	2846.569	0.00173	3	1	47.9	0
P12163_1_F5,10977	R.VAASNPYGK.W	1514.879	0.00874	2	1	31.4	0
P12163_2_F1,11438	R.VAASNPYGK.W	1514.879	0.00538	2	1	39.8	0
P12163_1_S1,13130	R.VEPAATIVQR.F	1387.821	0.00461	3	1	63.7	0
P12163_1_F3,16531	R.VIAPVGM*QLK.S	1808.092	0.00455	2	1	31.9	0
P12163_1_F3,19618	R.VIAPVGMQLK.S	1792.097	-0.00019	2	1	49.8	0

P12163_1_F3,19752	R.VIAPVGQMQLK.S	1792.097	0.01004	3	1	35.8	0
P12163_2_F1,19726	R.VIAPVGQMQLK.S	1792.097	0.00611	3	1	37.5	0
P12163_2_F1,19730	R.VIAPVGQMQLK.S	1792.097	0.00121	2	1	35.6	0
P12163_1_F7,22956	R.WSPLTDVVDGYSPTLF	2733.507	0.00415	3	1	35	0
P12163_1_F5,18535	K.AVVTVPAYFNDSQR.T	1870.996	-0.00144	2	1	30.4	0
P12163_1_F5,18571	K.AVVTVPAYFNDSQR.T	1870.996	0.00056	3	1	23.3	0
P12163_1_F8,19195	K.AVVTVPAYFNDSQR.T	1870.996	-0.0014	2	1	27.9	0
P12163_1_F8,19447	K.AVVTVPAYFNDSQR.T	1870.996	0.00268	2	1	41	0
P12163_2_F2,19244	K.AVVTVPAYFNDSQR.T	1870.996	0.00119	3	1	25.5	0
P12163_2_F6,18422	K.AVVTVPAYFNDSQR.T	1870.996	0.00028	2	1	38.9	0
P12163_2_F6,18794	K.AVVTVPAYFNDSQR.T	1870.996	0.00306	2	1	24.3	0
P12163_2_F6,18833	K.AVVTVPAYFNDSQR.T	1870.996	0.00707	3	1	30.5	0
P12163_2_F6,18858	K.AVVTVPAYFNDSQR.T	1870.996	0.01403	3	1	29.4	0
P12163_2_F6,18894	K.AVVTVPAYFNDSQR.T	1870.996	0.01346	3	1	28.5	0
P12163_1_F3,10983	K.DAIAEGSTQAM*K.D	1845.984	0.00646	3	1	66.7	0
P12163_1_F3,11044	K.DAIAEGSTQAM*K.D	1845.984	0.00531	2	1	47.9	0
P12163_1_F3,13227	K.DAIAEGSTQAM*K.D	1845.984	0.00663	2	1	36	0
P12163_1_F3,13243	K.DAIAEGSTQAM*K.D	1845.984	0.01117	3	1	65.4	0
P12163_1_F4,11421	K.DAIAEGSTQAM*K.D	1845.984	0.0118	3	1	41.8	0
P12163_1_F4,11438	K.DAIAEGSTQAM*K.D	1845.984	0.01015	2	1	46	0
P12163_1_F4,13727	K.DAIAEGSTQAM*K.D	1845.984	0.00721	3	1	71.4	0
P12163_1_F4,13748	K.DAIAEGSTQAM*K.D	1845.984	0.00539	2	1	28.5	0
P12163_2_S3,11247	K.DAIAEGSTQAM*K.D	1845.984	0.00271	3	1	28.4	0
P12163_1_F3,10673	K.DAIAEGSTQAMK.D	1829.989	0.00727	3	1	30	0
P12163_1_F3,13156	K.DAIAEGSTQAMK.D	1829.989	0.00457	3	1	42.3	0
P12163_1_F3,13160	K.DAIAEGSTQAMK.D	1829.989	0.00423	2	1	45.1	0
P12163_1_F4,11140	K.DAIAEGSTQAMK.D	1829.989	0.01367	2	1	48.3	0
P12163_1_F4,11150	K.DAIAEGSTQAMK.D	1829.989	0.01051	3	1	27	0
P12163_1_F4,13693	K.DAIAEGSTQAMK.D	1829.989	0.00433	2	1	52.9	0
P12163_1_F4,13698	K.DAIAEGSTQAMK.D	1829.989	0.007	3	1	63.6	0
P12163_1_F6,12712	K.DAIAEGSTQAMK.D	1829.989	-0.00497	3	1	40	0
P12163_2_F1,12783	K.DAIAEGSTQAMK.D	1829.989	0.00661	2	1	69.4	0
P12163_2_F4,11747	K.DAIAEGSTQAMK.D	1829.989	-0.00164	3	1	24.3	0
P12163_2_S3,11128	K.DAIAEGSTQAMK.D	1829.989	0.00184	3	1	40.9	0
P12163_2_S3,11324	K.DAIAEGSTQAMK.D	1829.989	0.00016	3	1	28.3	0
P12163_2_F1,20805	K.DLDEVILVGGSTR.I	1677.932	0.0012	2	1	40.9	0
P12163_2_F6,20137	K.DLDEVILVGGSTR.I	1677.932	0.00038	2	1	29	0
P12163_1_F5,14419	K.FLNDSVTK.A	1531.894	0.0111	3	1	23.2	0
P12163_1_F5,16325	K.FLNDSVTK.A	1531.894	0.00605	2	1	37	0
P12163_1_F5,16362	K.FLNDSVTK.A	1531.894	0.00522	3	1	37.9	0
P12163_1_F6,16877	K.FLNDSVTK.A	1531.894	0.00197	2	1	26.9	0
P12163_1_F6,16901	K.FLNDSVTK.A	1531.894	0.00279	3	1	26.5	0
P12163_1_F7,15553	K.FLNDSVTK.A	1531.894	0.00147	3	1	22.8	0
P12163_1_F7,16088	K.FLNDSVTK.A	1531.894	0.00703	2	1	39.4	0
P12163_1_F8,16241	K.FLNDSVTK.A	1531.894	0.0033	3	1	25.3	0
P12163_1_F8,16294	K.FLNDSVTK.A	1531.894	0.00325	2	1	37.6	0
P12163_1_S10,1639	K.FLNDSVTK.A	1531.894	0.00783	3	1	30.4	0
P12163_2_F1,16771	K.FLNDSVTK.A	1531.894	0.00515	2	1	41	0
P12163_2_F2,208	K.FLNDSVTK.A	1531.894	0.00557	2	1	39.7	0
P12163_2_F2,589	K.FLNDSVTK.A	1531.894	0.00555	3	1	34.3	0
P12163_2_F2,655	K.FLNDSVTK.A	1531.894	0.00575	2	1	34.3	0

P12163_2_F2,1032	K.FLND SVTK.A	1531.894	0.00671	2	1	40.2	0
P12163_2_F2,1276	K.FLND SVTK.A	1531.894	0.00575	2	1	41.1	0
P12163_2_F2,2099	K.FLND SVTK.A	1531.894	0.00293	2	1	40.9	0
P12163_2_F2,2325	K.FLND SVTK.A	1531.894	0.00693	2	1	41.4	0
P12163_2_F2,2514	K.FLND SVTK.A	1531.894	0.00306	3	1	23.4	0
P12163_2_F2,2662	K.FLND SVTK.A	1531.894	0.00497	2	1	25.5	0
P12163_2_S5,15105	K.FLND SVTK.A	1531.894	0.00432	3	1	30.7	0
P12163_2_S5,15140	K.FLND SVTK.A	1531.894	0.00129	2	1	37.6	0
P12163_1_F5,15774	K.QDGDVIDADFTDSK.	2191.097	0.0068	3	1	37.7	0
P12163_2_F1,16231	K.QDGDVIDADFTDSK.	2191.097	-0.00638	2	1	36.4	0
P12163_1_F6,11079	K.HIDTTLTR.V	1260.721	0.00252	3	1	22	0
P12163_1_F7,9923	K.HIDTTLTR.V	1260.721	0.00261	3	1	33	0
P12163_1_F9,10335	K.HIDTTLTR.V	1260.721	0.00255	3	1	30.9	0
P12163_1_F9,10848	K.HIDTTLTR.V	1260.721	0.00273	3	1	33.9	0
P12163_1_F9,11102	K.HIDTTLTR.V	1260.721	0.00228	3	1	27.7	0
P12163_1_F9,11368	K.HIDTTLTR.V	1260.721	0.00216	3	1	24.7	0
P12163_1_F9,11634	K.HIDTTLTR.V	1260.721	0.00309	3	1	22.3	0
P12163_1_F9,12048	K.HIDTTLTR.V	1260.721	0.00324	3	1	28.1	0
P12163_1_F9,12340	K.HIDTTLTR.V	1260.721	0.00267	3	1	23.3	0
P12163_1_F9,12593	K.HIDTTLTR.V	1260.721	0.0036	3	1	27.3	0
P12163_1_F9,12829	K.HIDTTLTR.V	1260.721	0.00252	3	1	22.2	0
P12163_2_F6,10271	K.HIDTTLTR.V	1260.721	0.00255	3	1	29.6	0
P12163_2_F7,9695	K.HIDTTLTR.V	1260.721	0.00309	3	1	26.3	0
P12163_2_F7,10225	K.HIDTTLTR.V	1260.721	0.00288	3	1	32.2	0
P12163_2_F7,10819	K.HIDTTLTR.V	1260.721	0.00357	3	1	32.6	0
P12163_2_F9,10330	K.HIDTTLTR.V	1260.721	0.00369	3	1	22.2	0
P12163_1_F8,14569	K.KQDITITGASTLPNDEV	2694.488	0.00376	3	1	79.5	0
P12163_1_F8,15850	K.KQDITITGASTLPNDEV	2694.488	0.00466	3	1	34.2	0
P12163_1_F8,17324	K.KQDITITGASTLPNDEV	2694.488	0.00616	3	1	58.3	0
P12163_1_F8,17633	K.KQDITITGASTLPNDEV	2694.488	0.00457	3	1	61.5	0
P12163_1_F8,18149	K.KQDITITGASTLPNDEV	2694.488	0.00171	3	1	50.1	0
P12163_2_F6,15387	K.KQDITITGASTLPNDEV	2694.488	0.00643	3	1	71.4	0
P12163_2_S5,12951	K.KQDITITGASTLPNDEV	2694.488	0.00655	4	1	39.6	0
P12163_2_S5,13552	K.KQDITITGASTLPNDEV	2694.488	0.01335	4	1	33.8	0
P12163_2_S5,13677	K.KQDITITGASTLPNDEV	2694.488	0.00769	3	1	38.1	0
P12163_2_S5,14241	K.KQDITITGASTLPNDEV	2694.488	0.00175	3	1	60	0
P12163_2_S5,14601	K.KQDITITGASTLPNDEV	2694.488	0.004	3	1	58.1	0
P12163_1_F4,15519	K.LECPAIGK.Q	1495.876	0.00397	2	1	29	0
P12163_1_F4,16606	K.LECPAIGK.Q	1495.876	0.00649	2	1	24	0
P12163_1_F4,17506	K.LECPAIGK.Q	1495.876	0.00045	2	1	25.1	0
P12163_1_F7,13835	K.LECPAIGK.Q	1495.876	-0.00011	2	1	24.2	0
P12163_2_F1,14548	K.LECPAIGK.Q	1495.876	0.00331	2	1	24.3	0
P12163_2_F2,759	K.LECPAIGK.Q	1495.876	0.00538	3	1	22.6	0
P12163_1_F3,11070	K.M*VEVDEESK.Q	1689.882	0.00779	2	1	40.7	0
P12163_1_F3,11119	K.M*VEVDEESK.Q	1689.882	0.00636	3	1	35.6	0
P12163_1_F3,13954	K.M*VEVDEESK.Q	1689.882	0.00173	2	1	36.2	0
P12163_1_F3,13990	K.M*VEVDEESK.Q	1689.882	0.00426	3	1	25	0
P12163_1_F4,11553	K.M*VEVDEESK.Q	1689.882	0.00625	2	1	39.4	0
P12163_1_F4,11573	K.M*VEVDEESK.Q	1689.882	0.00501	3	1	40.9	0
P12163_1_F4,14443	K.M*VEVDEESK.Q	1689.882	0.0147	3	1	34.8	0
P12163_1_F4,14457	K.M*VEVDEESK.Q	1689.882	0.01663	2	1	39.3	0

P12163_1_F7,12525 K.M*VEVDEESK.Q	1689.882	0.00192	3	1	22.6	0
P12163_1_F2,13038 K.MVEVDEESK.Q	1673.888	0.00645	2	1	41.5	0
P12163_1_F3,12118 K.MVEVDEESK.Q	1673.888	0.00528	3	1	25.2	0
P12163_1_F3,12152 K.MVEVDEESK.Q	1673.888	0.00495	2	1	29.9	0
P12163_1_F3,13920 K.MVEVDEESK.Q	1673.888	0.00503	2	1	42.7	0
P12163_1_F3,13948 K.MVEVDEESK.Q	1673.888	0.00615	3	1	36.5	0
P12163_1_F4,12616 K.MVEVDEESK.Q	1673.888	0.00471	3	1	38	0
P12163_1_F4,12654 K.MVEVDEESK.Q	1673.888	0.00813	2	1	29.1	0
P12163_1_F4,14419 K.MVEVDEESK.Q	1673.888	0.01689	2	1	43.5	0
P12163_1_F4,14421 K.MVEVDEESK.Q	1673.888	0.01809	3	1	38.9	0
P12163_1_F5,13066 K.MVEVDEESK.Q	1673.888	0.00793	2	1	42.6	0
P12163_1_F6,13914 K.MVEVDEESK.Q	1673.888	0.01339	2	1	42.2	0
P12163_1_F7,12689 K.MVEVDEESK.Q	1673.888	0.00201	3	1	29.6	0
P12163_2_F1,13489 K.MVEVDEESK.Q	1673.888	0.00439	2	1	42.2	0
P12163_2_F1,13496 K.MVEVDEESK.Q	1673.888	0.00441	3	1	23.6	0
P12163_2_F4,12308 K.MVEVDEESK.Q	1673.888	0.00749	2	1	33.1	0
P12163_2_S3,11687 K.MVEVDEESK.Q	1673.888	0.00201	3	1	26.2	0
P12163_2_S3,11873 K.MVEVDEESK.Q	1673.888	0.00357	3	1	32.8	0
P12163_1_F3,11506 K.NQADSVVYQTEK.Q	1990.07	0.00735	3	1	38.1	0
P12163_1_F4,10255 K.NQADSVVYQTEK.Q	1990.07	0.00887	2	1	49.2	0
P12163_1_F4,11424 K.NQADSVVYQTEK.Q	1990.07	0.00757	2	1	42.9	0
P12163_1_F4,13160 K.NQADSVVYQTEK.Q	1990.07	0.00153	2	1	66.9	0
P12163_1_F4,13169 K.NQADSVVYQTEK.Q	1990.07	0.00528	3	1	40.1	0
P12163_1_F4,14137 K.NQADSVVYQTEK.Q	1990.07	0.01395	3	1	27.6	0
P12163_1_F4,23726 K.NQADSVVYQTEK.Q	1990.07	0.00425	2	1	48.4	0
P12163_1_F5,11849 K.NQADSVVYQTEK.Q	1990.07	0.00438	3	1	43.6	0
P12163_1_F5,11869 K.NQADSVVYQTEK.Q	1990.07	0.00459	2	1	65.5	0
P12163_1_F6,12703 K.NQADSVVYQTEK.Q	1990.07	0.01011	3	1	33.9	0
P12163_1_F7,11535 K.NQADSVVYQTEK.Q	1990.07	0.00315	3	1	35.7	0
P12163_1_F7,12105 K.NQADSVVYQTEK.Q	1990.07	0.00345	3	1	24.3	0
P12163_1_F9,12595 K.NQADSVVYQTEK.Q	1990.07	0.00337	2	1	61.3	0
P12163_2_F1,12204 K.NQADSVVYQTEK.Q	1990.07	-0.00067	2	1	56.9	0
P12163_2_F1,12232 K.NQADSVVYQTEK.Q	1990.07	0.00555	3	1	48.1	0
P12163_2_F1,12721 K.NQADSVVYQTEK.Q	1990.07	0.00521	2	1	37.1	0
P12163_2_F4,11175 K.NQADSVVYQTEK.Q	1990.07	0.00377	2	1	28.4	0
P12163_2_F9,10637 K.NQADSVVYQTEK.Q	1990.07	0.00636	3	1	33.6	0
P12163_2_F9,11987 K.NQADSVVYQTEK.Q	1990.07	0.00619	2	1	74.2	0
P12163_2_F9,12083 K.NQADSVVYQTEK.Q	1990.07	0.00972	3	1	40.8	0
P12163_2_S5,12036 K.NQADSVVYQTEK.Q	1990.07	0.0105	3	1	37.5	0
P12163_1_F4,22740 K.QFAAEEISAQVLR.K	1765.975	0.00472	2	1	46.5	0
P12163_1_F6,21239 K.QFAAEEISAQVLR.K	1765.975	0.00156	2	1	24.5	0
P12163_1_F7,20455 K.QFAAEEISAQVLR.K	1765.975	0.00132	2	1	31.9	0
P12163_1_S1,15742 K.QFAAEEISAQVLR.K	1765.975	0.00225	3	1	68.7	0
P12163_1_S1,15764 K.QFAAEEISAQVLR.K	1765.975	0.00315	3	1	45.7	0
P12163_1_S1,20635 K.QFAAEEISAQVLR.K	1765.975	-0.0003	3	1	97.9	0
P12163_1_S1,20657 K.QFAAEEISAQVLR.K	1765.975	0.00408	2	1	52.8	0
P12163_1_S1,20865 K.QFAAEEISAQVLR.K	1765.975	0.00252	3	1	100	0
P12163_1_S1,20888 K.QFAAEEISAQVLR.K	1765.975	0.00388	2	1	53.5	0
P12163_1_S1,21108 K.QFAAEEISAQVLR.K	1765.975	-0.00486	3	1	40.2	0
P12163_1_S1,22180 K.QFAAEEISAQVLR.K	1765.975	0.00636	3	1	24.4	0
P12163_1_S1,22950 K.QFAAEEISAQVLR.K	1765.975	-0.00174	3	1	28.4	0

P12163_1_S10,2001:K.QFAAEEISAQVLR.K	1765.975	0.00213	3	1	45.3	0
P12163_2_F9,14815 K.RDEGIDLLK.D	1666.995	-0.00002	3	1	29.1	0
P12163_1_F4,10181 K.SLGSFR.L	970.5623	0.00388	3	1	26.6	0
P12163_2_F2,8702 K.SLGSFR.L	970.5623	0.00382	3	1	22.9	0
P12163_2_F2,9071 K.SLGSFR.L	970.5623	0.004	3	1	26.8	0
P12163_1_F2,8388 K.TPVETSLR.D	1206.7	0.00438	3	1	33.4	0
P12163_1_F2,8675 K.TPVETSLR.D	1206.7	0.00528	3	1	26.6	0
P12163_1_F2,9170 K.TPVETSLR.D	1206.7	0.00285	3	1	29.8	0
P12163_1_F2,9413 K.TPVETSLR.D	1206.7	0.00213	3	1	22.9	0
P12163_1_F2,10327 K.TPVETSLR.D	1206.7	0.00036	3	1	31.4	0
P12163_2_F1,8884 K.TPVETSLR.D	1206.7	0.00291	3	1	29.8	0
P12163_1_F5,11378 K.VPAEVK.G	1250.793	0.00137	3	1	23.8	0
P12163_2_F1,11927 K.VPAEVK.G	1250.793	0.00749	3	1	27.7	0
P12163_2_F2,12245 K.VPAEVK.G	1250.793	0.00626	3	1	25.5	0
P12163_1_F3,17285 R.DEGIDLLK.D	1510.894	0.00454	2	1	36.1	0
P12163_1_F3,18676 R.DEGIDLLK.D	1510.894	0.006	2	1	40.5	0
P12163_1_F3,18707 R.DEGIDLLK.D	1510.894	0.00475	3	1	45.7	0
P12163_1_F4,19155 R.DEGIDLLK.D	1510.894	0.00562	3	1	41.3	0
P12163_1_F4,19331 R.DEGIDLLK.D	1510.894	0.00878	2	1	40.2	0
P12163_1_F5,17867 R.DEGIDLLK.D	1510.894	0.007	2	1	25.5	0
P12163_1_F6,18203 R.DEGIDLLK.D	1510.894	0.00422	2	1	26.1	0
P12163_1_F6,18258 R.DEGIDLLK.D	1510.894	0.00301	3	1	27.1	0
P12163_1_F7,16823 R.DEGIDLLK.D	1510.894	0.00352	3	1	33.8	0
P12163_1_F7,16842 R.DEGIDLLK.D	1510.894	0.00354	2	1	35	0
P12163_1_F7,17374 R.DEGIDLLK.D	1510.894	0.0064	3	1	33.2	0
P12163_1_F8,18218 R.DEGIDLLK.D	1510.894	0.00631	3	1	25	0
P12163_2_F4,16454 R.DEGIDLLK.D	1510.894	0.00154	2	1	36.9	0
P12163_2_F4,16482 R.DEGIDLLK.D	1510.894	0.00127	3	1	35.3	0
P12163_2_S3,15205 R.DEGIDLLK.D	1510.894	0.00104	2	1	33.4	0
P12163_2_S5,16847 R.DEGIDLLK.D	1510.894	0.00247	3	1	31.3	0
P12163_1_F6,7789 R.DENGNV.L	1383.769	0.00328	2	1	24.2	0
P12163_1_F4,16332 R.GVPQIEVK.F	1477.92	0.00545	3	1	26.7	0
P12163_1_F4,16575 R.GVPQIEVK.F	1477.92	0.00415	3	1	27.4	0
P12163_2_F1,15614 R.GVPQIEVK.F	1477.92	0.00442	3	1	30.4	0
P12163_2_F4,14119 R.GVPQIEVK.F	1477.92	-0.00125	3	1	26	0
P12163_2_S5,14303 R.GVPQIEVK.F	1477.92	0.00649	3	1	24	0
P12163_1_F2,21058 R.IAGLDVLR.I	1160.73	0.0029	3	1	53.6	0
P12163_1_F2,21070 R.IAGLDVLR.I	1160.73	-0.00096	2	1	39.3	0
P12163_1_F2,21297 R.IAGLDVLR.I	1160.73	0.00198	2	1	30.1	0
P12163_1_F4,22012 R.IAGLDVLR.I	1160.73	0.00514	2	1	27.7	0
P12163_1_F5,20952 R.IAGLDVLR.I	1160.73	0.00348	2	1	28.1	0
P12163_1_F7,20139 R.IAGLDVLR.I	1160.73	0.0024	2	1	28.5	0
P12163_1_S1,19899 R.IAGLDVLR.I	1160.73	0.00602	2	1	29.9	0
P12163_1_F2,18482 R.IINEPTAASLAYGFEK.I	2332.301	0.00618	3	1	52.7	0
P12163_1_F2,18483 R.IINEPTAASLAYGFEK.I	2332.301	0.00472	4	1	34.9	0
P12163_1_F2,22022 R.IINEPTAASLAYGFEK.I	2332.301	0.00528	3	1	60.2	0
P12163_1_F2,22262 R.IINEPTAASLAYGFEK.I	2332.301	-0.00654	3	1	38.9	0
P12163_1_F4,23303 R.IINEPTAASLAYGFEK.I	2332.301	0.00459	3	1	43.6	0
P12163_1_F5,21469 R.IINEPTAASLAYGFEK.I	2332.301	-0.00168	3	1	39.1	0
P12163_1_F9,21163 R.IINEPTAASLAYGFEK.I	2332.301	0.00174	3	1	29.3	0
P12163_1_S1,17591 R.IINEPTAASLAYGFEK.I	2332.301	0.00736	4	1	47.9	0

P12163_1_S1,17595	R.IINEPTAASLAYGF EK.I	2332.301	0.00624	3	1	38.4	0
P12163_1_S1,20828	R.IINEPTAASLAYGF EK.I	2332.301	0.00084	4	1	28.5	0
P12163_1_S1,20877	R.IINEPTAASLAYGF EK.I	2332.301	0.00547	2	1	71.9	0
P12163_1_S1,21002	R.IINEPTAASLAYGF EK.I	2332.301	-0.00132	3	1	34.5	0
P12163_1_S10,2002	R.IINEPTAASLAYGF EK.I	2332.301	-0.00165	3	1	28	0
P12163_2_F6,21528	R.IINEPTAASLAYGF EK.I	2332.301	0.0039	3	1	56.8	0
P12163_1_F3,20924	R.IPAVQELVK.K	1605.02	0.00721	2	1	26.5	0
P12163_1_F3,20944	R.IPAVQELVK.K	1605.02	0.00694	3	1	41.7	0
P12163_1_F4,21587	R.IPAVQELVK.K	1605.02	0.00178	3	1	40.7	0
P12163_1_F4,21597	R.IPAVQELVK.K	1605.02	0.00995	2	1	27.2	0
P12163_1_F4,21786	R.IPAVQELVK.K	1605.02	0.00589	3	1	35.5	0
P12163_1_F4,21796	R.IPAVQELVK.K	1605.02	0.00611	2	1	37.9	0
P12163_1_F4,22009	R.IPAVQELVK.K	1605.02	0.00825	2	1	25.1	0
P12163_1_F5,20652	R.IPAVQELVK.K	1605.02	0.00652	3	1	41.2	0
P12163_1_F6,19869	R.IPAVQELVK.K	1605.02	0.00187	3	1	45.5	0
P12163_1_F6,20166	R.IPAVQELVK.K	1605.02	0.0001	3	1	32.7	0
P12163_2_F1,21139	R.IPAVQELVK.K	1605.02	0.00451	3	1	39.6	0
P12163_2_F1,21151	R.IPAVQELVK.K	1605.02	0.00709	2	1	26.1	0
P12163_2_F1,21388	R.IPAVQELVK.K	1605.02	0.00385	3	1	46	0
P12163_2_F1,21400	R.IPAVQELVK.K	1605.02	0.00621	2	1	31.4	0
P12163_2_F1,21613	R.IPAVQELVK.K	1605.02	0.00937	2	1	36	0
P12163_2_F4,18613	R.IPAVQELVK.K	1605.02	0.0007	3	1	41	0
P12163_2_F4,18971	R.IPAVQELVK.K	1605.02	0.00085	3	1	30.1	0
P12163_1_F9,12681	R.KMVEVDEESK.Q	2106.188	0.0057	3	1	28	0
P12163_1_S1,14262	R.LDGIPPAPR.G	1239.736	0.00459	3	1	27.1	0
P12163_1_S1,14444	R.LDGIPPAPR.G	1239.736	0.00383	2	1	24	0
P12163_1_S1,14496	R.LDGIPPAPR.G	1239.736	0.00321	3	1	29.5	0
P12163_1_S1,14732	R.LDGIPPAPR.G	1239.736	0.00348	3	1	25.4	0
P12163_1_S1,14970	R.LDGIPPAPR.G	1239.736	0.00204	3	1	27.5	0
P12163_1_S1,15214	R.LDGIPPAPR.G	1239.736	0.00375	3	1	27.5	0
P12163_1_S1,15466	R.LDGIPPAPR.G	1239.736	0.00429	3	1	28.5	0
P12163_1_S1,15736	R.LDGIPPAPR.G	1239.736	0.00255	3	1	23.7	0
P12163_1_S1,16009	R.LDGIPPAPR.G	1239.736	0.00252	3	1	28.5	0
P12163_1_S10,837	R.LDGIPPAPR.G	1239.736	0.00397	2	1	28.7	0
P12163_1_F5,10748	R.LTETA EK.A	1399.825	0.00724	2	1	28.8	0
P12163_1_F6,11741	R.LTETA EK.A	1399.825	-0.00083	3	1	22.1	0
P12163_2_F1,11207	R.LTETA EK.A	1399.825	0.00475	3	1	28.4	0
P12163_2_S5,11105	R.LTETA EK.A	1399.825	0.00835	3	1	29.3	0
P12163_1_F6,16258	R.LVGQIAK.R	1336.877	0.00605	2	1	23.9	0
P12163_1_F4,11056	R.MVQEAER.F	1166.614	0.00665	2	1	32.2	0
P12163_2_F1,10018	R.MVQEAER.F	1166.614	0.00163	2	1	29.2	0
P12163_1_F4,11844	R.NTTLP TSK.S	1469.878	0.00451	3	1	23.6	0
P12163_2_F1,10953	R.NTTLP TSK.S	1469.878	0.00433	3	1	22.4	0
P12163_1_F3,15072	R.QAVVNPENTFFSVK.R	2188.222	0.00759	3	1	39.1	0
P12163_1_F3,17735	R.QAVVNPENTFFSVK.R	2188.222	0.00891	3	1	30.8	0
P12163_1_F3,18039	R.QAVVNPENTFFSVK.R	2188.222	0.00672	4	1	51.6	0
P12163_1_F3,18190	R.QAVVNPENTFFSVK.R	2188.222	0.00633	3	1	40.1	0
P12163_1_F3,18466	R.QAVVNPENTFFSVK.R	2188.222	0.00897	3	1	50.2	0
P12163_1_F3,19591	R.QAVVNPENTFFSVK.R	2188.222	0.00141	3	1	46.3	0
P12163_1_F3,21003	R.QAVVNPENTFFSVK.R	2188.222	0.01443	3	1	38.2	0
P12163_1_F3,21109	R.QAVVNPENTFFSVK.R	2188.222	0.00821	2	1	64.3	0

P12163_1_F3,21199	R.QAVVNPENTFFSVK.R	2188.222	0.00831	3	1	63.4	0
P12163_1_F3,21251	R.QAVVNPENTFFSVK.R	2188.222	0.00216	4	1	35.2	0
P12163_1_F3,21290	R.QAVVNPENTFFSVK.R	2188.222	0.00619	2	1	62.5	0
P12163_1_F3,21400	R.QAVVNPENTFFSVK.R	2188.222	0.00663	3	1	59	0
P12163_1_F4,22027	R.QAVVNPENTFFSVK.R	2188.222	0.00705	3	1	51.9	0
P12163_1_F5,20339	R.QAVVNPENTFFSVK.R	2188.222	0.00522	3	1	41.8	0
P12163_1_F6,20256	R.QAVVNPENTFFSVK.R	2188.222	0.00228	3	1	58.5	0
P12163_1_F6,20589	R.QAVVNPENTFFSVK.R	2188.222	0.00435	3	1	31.7	0
P12163_1_F6,21169	R.QAVVNPENTFFSVK.R	2188.222	-0.00039	3	1	24.2	0
P12163_1_F7,19832	R.QAVVNPENTFFSVK.R	2188.222	0.00075	3	1	54.5	0
P12163_1_F9,20216	R.QAVVNPENTFFSVK.R	2188.222	0.006	3	1	53.8	0
P12163_2_F1,21501	R.QAVVNPENTFFSVK.R	2188.222	0.00381	3	1	47	0
P12163_2_F1,21526	R.QAVVNPENTFFSVK.R	2188.222	0.00495	2	1	37.3	0
P12163_2_F1,22052	R.QAVVNPENTFFSVK.R	2188.222	0.00519	3	1	33.6	0
P12163_2_F4,19287	R.QAVVNPENTFFSVK.R	2188.222	0.00594	3	1	22	0
P12163_1_F3,12583	R.TTPSVVAYTK.I ! R.TTI	1674.989	0.00453	3	1	22.1	0
P12163_1_F3,14511	R.TTPSVVAYTK.I ! R.TTI	1674.989	0.00831	2	1	25.8	0
P12163_1_F4,13048	R.TTPSVVAYTK.I ! R.TTI	1674.989	0.00582	3	1	36.6	0
P12163_1_F4,14949	R.TTPSVVAYTK.I ! R.TTI	1674.989	0.00675	2	1	32.4	0
P12163_1_F4,14970	R.TTPSVVAYTK.I ! R.TTI	1674.989	0.00819	3	1	33.8	0
P12163_1_F9,12449	R.TTPSVVAYTK.I ! R.TTI	1674.989	0.00789	3	1	23.4	0
P12163_2_F1,12033	R.TTPSVVAYTK.I ! R.TTI	1674.989	0.00377	2	1	28.6	0
P12163_2_F1,13970	R.TTPSVVAYTK.I ! R.TTI	1674.989	0.00411	2	1	34.9	0
P12163_2_F1,13989	R.TTPSVVAYTK.I ! R.TTI	1674.989	0.00414	3	1	40.3	0
P12163_2_F4,12927	R.TTPSVVAYTK.I ! R.TTI	1674.989	0.00045	3	1	26.4	0
P12163_1_F8,21599	R.VKFEELCSDLLDR.L	2232.215	0.00782	4	1	44.6	0
P12163_2_F6,21266	R.VKFEELCSDLLDR.L	2232.215	0.00303	2	1	40.2	0
P12163_2_F8_12070	R.VKFEELCSDLLDR.L	2232.215	0.00514	4	1	38.8	0
P12163_1_F4,21011	K.AAFEEFNK.M	1676.947	0.0108	3	1	42.1	0
P12163_1_F5,19730	K.AAFEEFNK.M	1676.947	0.00446	2	1	49.1	0
P12163_1_F5,19771	K.AAFEEFNK.M	1676.947	0.00495	3	1	44.9	0
P12163_1_F6,225	K.AAFEEFNK.M	1676.947	0.00429	3	1	26.9	0
P12163_1_F7,18593	K.AAFEEFNK.M	1676.947	0.00124	2	1	37.9	0
P12163_1_F7,18609	K.AAFEEFNK.M	1676.947	0.0021	3	1	39.3	0
P12163_2_F1,20355	K.AAFEEFNK.M	1676.947	0.00788	2	1	48.6	0
P12163_2_F1,20708	K.AAFEEFNK.M	1676.947	0.01188	3	1	33.1	0
P12163_2_F2,47	K.AAFEEFNK.M	1676.947	-0.00225	3	1	42.4	0
P12163_2_F2,20328	K.AAFEEFNK.M	1676.947	0.00473	2	1	42.8	0
P12163_2_S5,17976	K.AAFEEFNK.M	1676.947	0.00126	3	1	40.5	0
P12163_1_S10,9766	K.APHGLK.L	1230.778	0.00724	3	1	33.6	0
P12163_2_F8_12070	K.APHGLK.L	1230.778	0.00757	3	1	31.4	0
P12163_2_S5,18500	K.AVITVKPIVSDPLAVEH	2691.679	0.00275	5	1	35.9	0
P12163_1_F4,25001	K.DEPWWPVLK.T	1778.01	0.00298	2	1	24.4	0
P12163_2_F4,6007	K.EHPYPR.R	1102.595	0.00326	3	1	23.2	0
P12163_2_S5,6960	K.EHPYPR.R	1102.595	0.00197	3	1	23.8	0
P12163_1_F3,16205	K.EIGGSM*TVEEAIK.Q	1988.083	-0.00524	3	1	40.1	0
P12163_1_F2,19158	K.EM*EPAWGDDPVIK.A	2111.094	0.00576	3	1	23	0
P12163_1_F4,20931	K.GFPSLEAIDK.L	1684.973	0.01469	2	1	31.8	0
P12163_1_F4,23138	K.GFPSLEAIDK.L	1684.973	0.00657	3	1	24.7	0
P12163_1_F4,23407	K.GFPSLEAIDK.L	1684.973	0.00108	3	1	25	0
P12163_1_F6,19444	K.GFPSLEAIDK.L	1684.973	0.0009	3	1	28.1	0

P12163_1_F8,19897	K.GFPSLEAIDK.L	1684.973	0.00612	3	1	23.3	0
P12163_1_S10,1866	K.GFPSLEAIDK.L	1684.973	0.00516	3	1	25.7	0
P12163_2_F1,20494	K.GFPSLEAIDK.L	1684.973	0.00684	3	1	41.2	0
P12163_2_F1,20539	K.GFPSLEAIDK.L	1684.973	0.01301	2	1	33.1	0
P12163_2_F2,81	K.GFPSLEAIDK.L	1684.973	0.00855	3	1	31.4	0
P12163_2_F4,18102	K.GFPSLEAIDK.L	1684.973	0.00144	3	1	23.4	0
P12163_1_F5,21256	K.GVPYSISI.-	1139.661	0.00418	2	1	52.8	0
P12163_2_F2,21781	K.GVPYSISI.-	1139.661	0.00252	2	1	45.5	0
P12163_1_F2,22568	K.LFNEGVLPPEIEK.L	2222.253	0.0055	3	1	26.7	0
P12163_1_S1,21317	K.LFNEGVLPPEIEK.L	2222.253	0.00268	3	1	36.1	0
P12163_1_S1,21521	K.LFNEGVLPPEIEK.L	2222.253	0.00079	3	1	34.2	0
P12163_1_S1,21633	K.LFNEGVLPPEIEK.L	2222.253	0.00215	4	1	31.5	0
P12163_1_S1,21732	K.LFNEGVLPPEIEK.L	2222.253	0.00154	3	1	34	0
P12163_1_S1,22247	K.LFNEGVLPPEIEK.L	2222.253	0.00559	3	1	28.9	0
P12163_1_S1,22508	K.LFNEGVLPPEIEK.L	2222.253	0.00808	3	1	31.5	0
P12163_2_F6,16068	K.SDLVRPVLGGK.E	1749.084	0.00524	4	1	30.5	0
P12163_2_F6,19690	K.SFLEKPEAALLR.C	1982.189	0.00442	2	1	39.5	0
P12163_2_F2,9396	K.SIANTGK.D	1298.789	0.00542	2	1	23.9	0
P12163_1_S1,13972	R.AEELNNLQGDGQGER	1933.952	0.00298	2	1	77.4	0
P12163_1_S1,14035	R.AEELNNLQGDGQGER	1933.952	-0.0029	3	1	53.6	0
P12163_1_S1,14218	R.AEELNNLQGDGQGER	1933.952	0.00122	2	1	75.1	0
P12163_1_S1,14804	R.AEELNNLQGDGQGER	1933.952	0.00908	2	1	65.3	0
P12163_1_S1,15162	R.AEELNNLQGDGQGER	1933.952	-0.00244	2	1	28.8	0
P12163_1_F4,21079	R.DEAFSLLK.T	1530.899	0.00562	2	1	29.6	0
P12163_1_F4,21086	R.DEAFSLLK.T	1530.899	0.00892	3	1	26.2	0
P12163_1_F4,21299	R.DEAFSLLK.T	1530.899	0.00572	2	1	30	0
P12163_1_F4,21307	R.DEAFSLLK.T	1530.899	0.00472	3	1	39.5	0
P12163_1_F4,23064	R.DEAFSLLK.T	1530.899	0.00379	3	1	33.6	0
P12163_1_F5,20048	R.DEAFSLLK.T	1530.899	0.00739	3	1	22.1	0
P12163_1_F7,18758	R.DEAFSLLK.T	1530.899	0.00282	2	1	24.5	0
P12163_2_F1,20479	R.DEAFSLLK.T	1530.899	0.0049	3	1	23.9	0
P12163_2_F1,20502	R.DEAFSLLK.T	1530.899	0.006	2	1	30.8	0
P12163_2_F1,20691	R.DEAFSLLK.T	1530.899	0.00442	3	1	35.3	0
P12163_2_F1,20724	R.DEAFSLLK.T	1530.899	0.0057	2	1	30.6	0
P12163_2_F2,59	R.DEAFSLLK.T	1530.899	0.00427	3	1	24.8	0
P12163_2_F4,18350	R.DEAFSLLK.T	1530.899	0.00284	2	1	38.2	0
P12163_2_S5,17953	R.DEAFSLLK.T	1530.899	0.00454	3	1	22.8	0
P12163_1_F4,15781	R.FDNEGLPK.D	1527.863	0.00162	2	1	37.7	0
P12163_1_F4,15987	R.FDNEGLPK.D	1527.863	0.0065	2	1	39	0
P12163_1_F4,16197	R.FDNEGLPK.D	1527.863	0.00874	2	1	33.8	0
P12163_1_F5,14885	R.FDNEGLPK.D	1527.863	0.00974	2	1	34.1	0
P12163_1_F8,14902	R.FDNEGLPK.D	1527.863	-0.00068	2	1	28.6	0
P12163_2_F1,14964	R.FDNEGLPK.D	1527.863	0.00954	3	1	24.5	0
P12163_2_F1,15009	R.FDNEGLPK.D	1527.863	0.00652	2	1	34.5	0
P12163_2_F1,15223	R.FDNEGLPK.D	1527.863	0.0089	2	1	37.4	0
P12163_2_S5,13949	R.FDNEGLPK.D	1527.863	0.00074	2	1	25.8	0
P12163_1_F4,14463	R.FETPETLK.R	1572.909	0.01142	3	1	26.1	0
P12163_1_F4,13703	R.GIAVEDPK.A	1436.857	0.00667	2	1	26.1	0
P12163_1_F4,13761	R.GIAVEDPK.A	1436.857	0.00632	3	1	52.2	0
P12163_1_F5,12323	R.GIAVEDPK.A	1436.857	0.00935	2	1	25.5	0
P12163_1_F7,11944	R.GIAVEDPK.A	1436.857	0.00056	3	1	31.3	0

P12163_2_F1,12702	R.GIAVEDPK.A	1436.857	0.00619	2	1	26.3	0
P12163_2_S5,11514	R.GIAVEDPK.A	1436.857	0.00344	3	1	39.6	0
P12163_2_F6,13585	R.LRAEELNNLQGDGQG	2203.137	0.0067	3	1	33.6	0
P12163_2_F4,8975	R.LSAM*HPINR.L ! K.LS.	1358.752	0.00235	3	1	30.2	0
P12163_1_F5,13036	R.LSAMHPINR.L ! K.LSA	1342.757	0.00469	3	1	24.3	0
P12163_2_F4,12983	R.LSAMHPINR.L ! K.LSA	1342.757	0.0031	3	1	39	0
P12163_1_F3,19796	R.NGPVNACDSWIQPK.I	2307.238	0.01042	3	1	28.2	0
P12163_1_F3,19826	R.NGPVNACDSWIQPK.I	2307.238	0.00597	2	1	44.6	0
P12163_2_S3,8036	R.NSNENLK.N	1426.811	0.01134	3	1	23.3	0
P12163_1_F3,16176	R.SLFTDDDDGNLK.Y	1832.985	0.00345	2	1	32	0
P12163_1_F3,17938	R.SLFTDDDDGNLK.Y	1832.985	0.00479	2	1	46.7	0
P12163_1_S1,16333	R.SLFTDDDDGNLK.Y	1832.985	0.00629	3	1	27.9	0
P12163_2_F2,17287	R.SLFTDDDDGNLK.Y	1832.985	0.00279	2	1	39.9	0
P12163_1_F7,21966	R.TGAAIVPYELLKPFSEF	3158.823	0.00797	4	1	24.8	0
P12163_1_F7,13785	R.THCCVEPYVIATNR.R	2023.999	0.00269	3	1	35.1	0
P12163_1_F8,14350	R.THCCVEPYVIATNR.R	2023.999	0.00299	3	1	38.9	0
P12163_2_F6,12115	R.THCCVEPYVIATNR.R	2023.999	0.00302	3	1	44.2	0
P12163_2_F6,13765	R.THCCVEPYVIATNR.R	2023.999	-0.00118	3	1	40.2	0
P12163_1_F4,10311	R.TNLPNEDQTK.E	1767.97	0.00572	3	1	29.1	0
P12163_2_F1,10397	R.TNLPNEDQTK.E	1767.97	0.00204	2	1	41.1	0
P12163_2_F1,10436	R.TNLPNEDQTK.E	1767.97	0.00527	3	1	41.2	0
P12163_1_F9,6860	R.TVGHAEK.K	1349.8	0.00631	2	1	34.1	0
P12163_1_F9,6875	R.TVGHAEK.K	1349.8	0.0063	3	1	24	0
P12163_1_F2,15707	R.YTM*EINALAR.K ! R.Y	1501.799	0.00517	3	1	46.6	0
P12163_1_F4,18090	K.ALVSELK.Q	1367.872	0.00637	2	1	31.6	0
P12163_1_F4,18204	K.ALVSELK.Q	1367.872	0.00392	3	1	27.6	0
P12163_1_F5,16839	K.ALVSELK.Q	1367.872	0.00965	3	1	25.8	0
P12163_1_F5,17177	K.ALVSELK.Q	1367.872	0.00593	2	1	29	0
P12163_1_F6,23649	K.ALVSELK.Q	1367.872	0.00561	2	1	29.6	0
P12163_1_F7,16201	K.ALVSELK.Q	1367.872	0.00305	3	1	29.8	0
P12163_1_F8,16968	K.ALVSELK.Q	1367.872	0.00299	3	1	28.4	0
P12163_2_F1,17311	K.ALVSELK.Q	1367.872	0.00656	3	1	40.1	0
P12163_2_F1,17577	K.ALVSELK.Q	1367.872	0.00071	3	1	27	0
P12163_2_F2,17635	K.ALVSELK.Q	1367.872	0.01202	3	1	24.2	0
P12163_2_S5,15334	K.ALVSELK.Q	1367.872	0.0017	3	1	26.7	0
P12163_2_S5,15911	K.ALVSELK.Q	1367.872	0.00449	3	1	30.1	0
P12163_1_F6,12747	K.DLHFNK.D	1381.805	0.0006	3	1	22.8	0
P12163_1_S10,1354	K.DLHFNK.D	1381.805	0.00405	3	1	24.2	0
P12163_2_F8_12070	K.DLHFNK.D	1381.805	0.00321	3	1	24.1	0
P12163_1_F5,12472	K.DTTTIVGDGSTQDAVS	2303.219	-0.00008	3	1	40.2	0
P12163_2_F1,12950	K.DTTTIVGDGSTQDAVS	2303.219	0.00058	3	1	36.5	0
P12163_1_F2,9666	K.ETLDNDEEK.V	1700.88	0.00667	2	1	40.6	0
P12163_1_F3,10218	K.ETLDNDEEK.V	1700.88	0.00755	2	1	31.1	0
P12163_1_F4,10652	K.ETLDNDEEK.V	1700.88	0.00771	2	1	36	0
P12163_1_F4,10722	K.ETLDNDEEK.V	1700.88	0.00775	3	1	51.6	0
P12163_1_F7,9294	K.ETLDNDEEK.V	1700.88	0.00229	2	1	29.5	0
P12163_1_F7,9332	K.ETLDNDEEK.V	1700.88	-0.00002	3	1	24.9	0
P12163_2_F1,9839	K.ETLDNDEEK.V	1700.88	0.00875	2	1	31.9	0
P12163_2_S3,8972	K.ETLDNDEEK.V	1700.88	0.00189	2	1	29.2	0
P12163_1_F2,18709	K.EVELEDPVENIGAK.L	2150.18	0.00311	3	1	28.2	0
P12163_1_F5,18042	K.EVELEDPVENIGAK.L	2150.18	0.00031	2	1	40.2	0

P12163_1_F5,18047	K.EVELEDPVENIGAK.L	2150.18	0.00368	3	1	40.1	0
P12163_1_S1,17583	K.EVELEDPVENIGAK.L	2150.18	0.00605	3	1	35.4	0
P12163_1_S1,17851	K.EVELEDPVENIGAK.L	2150.18	0.00368	3	1	39.8	0
P12163_2_F2,18788	K.EVELEDPVENIGAK.L	2150.18	0.00077	3	1	25.2	0
P12163_2_F4,17418	K.EVELEDPVENIGAK.L	2150.18	0.00485	3	1	56.8	0
P12163_2_F4,17444	K.EVELEDPVENIGAK.L	2150.18	-0.00133	2	1	55	0
P12163_1_F4,12465	K.EVLGNASK.V	1425.852	0.00779	2	1	31.1	0
P12163_1_F5,9118	K.EVLGNASK.V	1425.852	0.00517	3	1	29.1	0
P12163_1_F5,11002	K.EVLGNASK.V	1425.852	0.00823	2	1	29.7	0
P12163_1_F5,11007	K.EVLGNASK.V	1425.852	0.00922	3	1	36.5	0
P12163_1_F6,11970	K.EVLGNASK.V	1425.852	0.00628	3	1	22.9	0
P12163_1_F6,11988	K.EVLGNASK.V	1425.852	0.01047	2	1	31.9	0
P12163_1_F8,11189	K.EVLGNASK.V	1425.852	0.00373	2	1	28.7	0
P12163_1_F8,11199	K.EVLGNASK.V	1425.852	0.00352	3	1	32.2	0
P12163_2_F1,11557	K.EVLGNASK.V	1425.852	0.00451	3	1	33.6	0
P12163_2_S5,11243	K.EVLGNASK.V	1425.852	0.00649	3	1	22.7	0
P12163_1_F4,15416	K.GVVTLEEGK.S	1539.92	0.00889	3	1	22.1	0
P12163_1_F5,14084	K.GVVTLEEGK.S	1539.92	0.01413	2	1	24.8	0
P12163_1_F5,14101	K.GVVTLEEGK.S	1539.92	0.00811	3	1	27.5	0
P12163_1_F6,14915	K.GVVTLEEGK.S	1539.92	0.00957	2	1	25.4	0
P12163_1_F7,13626	K.GVVTLEEGK.S	1539.92	0.00551	2	1	35.8	0
P12163_1_F7,13633	K.GVVTLEEGK.S	1539.92	-0.0008	3	1	34.5	0
P12163_2_F1,14319	K.GVVTLEEGK.S	1539.92	0.00571	3	1	40.4	0
P12163_2_F2,1918	K.GVVTLEEGK.S	1539.92	0.00175	3	1	27	0
P12163_2_F2,2327	K.GVVTLEEGK.S	1539.92	0.00995	2	1	32.1	0
P12163_2_F4,13292	K.GVVTLEEGK.S	1539.92	0.00431	2	1	34.8	0
P12163_2_F4,13318	K.GVVTLEEGK.S	1539.92	0.00118	3	1	29.7	0
P12163_2_S5,13324	K.GVVTLEEGK.S	1539.92	0.00103	3	1	28.7	0
P12163_2_S5,13821	K.GVVTLEEGK.S	1539.92	0.00391	3	1	36.4	0
P12163_1_F2,14820	K.IVNDGVTVAK.E	1623.989	0.00068	2	1	30	0
P12163_1_F2,14826	K.IVNDGVTVAK.E	1623.989	0.00727	3	1	35.7	0
P12163_1_F3,12904	K.IVNDGVTVAK.E	1623.989	0.00474	2	1	26.5	0
P12163_1_F3,15488	K.IVNDGVTVAK.E	1623.989	0.00556	3	1	57.5	0
P12163_1_F3,15614	K.IVNDGVTVAK.E	1623.989	0.0062	2	1	48.7	0
P12163_1_F4,13440	K.IVNDGVTVAK.E	1623.989	0.00112	2	1	24.8	0
P12163_1_F4,15620	K.IVNDGVTVAK.E	1623.989	0.0051	2	1	48.6	0
P12163_1_F4,15651	K.IVNDGVTVAK.E	1623.989	0.00205	3	1	36.7	0
P12163_1_F5,14675	K.IVNDGVTVAK.E	1623.989	0.0056	2	1	49.9	0
P12163_1_F6,14799	K.IVNDGVTVAK.E	1623.989	0.00292	3	1	35.8	0
P12163_1_F6,15347	K.IVNDGVTVAK.E	1623.989	0.0134	2	1	46	0
P12163_1_F7,14086	K.IVNDGVTVAK.E	1623.989	0.00342	2	1	44.3	0
P12163_1_F7,14094	K.IVNDGVTVAK.E	1623.989	-0.00188	3	1	44.7	0
P12163_2_F1,14848	K.IVNDGVTVAK.E	1623.989	0.00318	2	1	53.3	0
P12163_2_F1,14890	K.IVNDGVTVAK.E	1623.989	0.00427	3	1	22.3	0
P12163_2_F1,15282	K.IVNDGVTVAK.E	1623.989	0.0064	3	1	47.1	0
P12163_2_F4,13750	K.IVNDGVTVAK.E	1623.989	0.00154	3	1	34.2	0
P12163_2_F4,13769	K.IVNDGVTVAK.E	1623.989	0.00132	2	1	49.8	0
P12163_2_F4,14248	K.IVNDGVTVAK.E	1623.989	0.00548	2	1	34.6	0
P12163_2_S3,12510	K.IVNDGVTVAK.E	1623.989	-0.00392	3	1	28	0
P12163_1_F2,24204	K.LADLVGVTLPK.G	1791.12	0.00123	3	1	26.7	0
P12163_1_F3,25374	K.LADLVGVTLPK.G	1791.12	0.00483	2	1	64.8	0

P12163_1_F3,25393	K.LADLVGVTLGPK.G	1791.12	0.00534	3	1	52.9	0
P12163_1_F3,25598	K.LADLVGVTLGPK.G	1791.12	0.00551	2	1	53.9	0
P12163_1_F3,25613	K.LADLVGVTLGPK.G	1791.12	0.00351	3	1	49.1	0
P12163_1_F5,24017	K.LADLVGVTLGPK.G	1791.12	0.00132	3	1	42.4	0
P12163_1_F5,24255	K.LADLVGVTLGPK.G	1791.12	0.00456	3	1	40.6	0
P12163_1_F7,23197	K.LADLVGVTLGPK.G	1791.12	0.00489	3	1	43.5	0
P12163_1_F8,24155	K.LADLVGVTLGPK.G	1791.12	0.00249	3	1	30.5	0
P12163_1_S10,2161	K.LADLVGVTLGPK.G	1791.12	0.00792	3	1	36	0
P12163_1_F5,10091	K.LQNGVNK.L	1380.842	0.00785	3	1	22.1	0
P12163_1_F9,15802	K.LRVEDALNATK.A ! K.	1838.096	0.00779	2	1	41	0
P12163_1_S10,1947	K.LSGGVAVIQVGAQTEI	2508.449	0.00263	3	1	27.5	0
P12163_1_F5,10375	K.M*AVEYENCK.L	1767.887	0.00697	3	1	29.5	0
P12163_1_F5,13139	K.M*AVEYENCK.L	1767.887	0.01291	2	1	29.7	0
P12163_1_F9,11151	K.M*AVEYENCK.L	1767.887	0.00709	3	1	29	0
P12163_2_F1,10743	K.M*AVEYENCK.L	1767.887	0.00787	2	1	30.1	0
P12163_2_F1,10789	K.M*AVEYENCK.L	1767.887	0.00595	3	1	27.3	0
P12163_2_F1,13494	K.M*AVEYENCK.L	1767.887	0.00995	2	1	29.9	0
P12163_2_F8_12070	K.M*AVEYENCK.L	1767.887	0.00574	3	1	45.4	0
P12163_1_F4,14545	K.MAVEYENCK.L	1751.892	0.00552	2	1	44.1	0
P12163_1_F5,13110	K.MAVEYENCK.L	1751.892	0.00707	2	1	36.4	0
P12163_1_F5,13119	K.MAVEYENCK.L	1751.892	0.00691	3	1	39	0
P12163_1_F9,13793	K.MAVEYENCK.L	1751.892	0.00704	2	1	43.5	0
P12163_1_S10,1416	K.MAVEYENCK.L	1751.892	0.00739	3	1	44.8	0
P12163_2_F1,13450	K.MAVEYENCK.L	1751.892	0.00526	2	1	42.6	0
P12163_2_F1,13498	K.MAVEYENCK.L	1751.892	0.00436	3	1	51.9	0
P12163_2_F2,13885	K.MAVEYENCK.L	1751.892	0.00473	2	1	36.1	0
P12163_2_F8_12070	K.MAVEYENCK.L	1751.892	0.00491	2	1	47.5	0
P12163_2_S5,12811	K.MAVEYENCK.L	1751.892	0.00028	3	1	39.7	0
P12163_1_F4,12042	K.NAGVNGSVVSEK.V	1769.001	0.00525	3	1	47.6	0
P12163_1_F5,10693	K.NAGVNGSVVSEK.V	1769.001	0.00713	2	1	38.1	0
P12163_1_F5,10699	K.NAGVNGSVVSEK.V	1769.001	0.00438	3	1	48.6	0
P12163_2_F1,11201	K.NAGVNGSVVSEK.V	1769.001	0.00639	2	1	52.5	0
P12163_1_F4,14925	K.VGADIVK.R	1309.83	0.00533	2	1	26.2	0
P12163_1_F5,13492	K.VGADIVK.R	1309.83	0.00638	3	1	29.1	0
P12163_1_F7,13019	K.VGADIVK.R	1309.83	0.00137	2	1	25.6	0
P12163_1_F7,13679	K.VGADIVK.R	1309.83	0.00741	2	1	25.4	0
P12163_1_F4,10564	K.VLSSDNHK.Y	1507.869	0.00551	2	1	30.5	0
P12163_1_F6,10169	K.VLSSDNHK.Y	1507.869	0.00815	2	1	30.6	0
P12163_1_F6,10197	K.VLSSDNHK.Y	1507.869	0.01174	3	1	34	0
P12163_1_F9,9960	K.VLSSDNHK.Y	1507.869	0.01027	2	1	26.8	0
P12163_2_F7,9385	K.VLSSDNHK.Y	1507.869	0.00733	3	1	30.3	0
P12163_2_F9,9666	K.VLSSDNHK.Y	1507.869	0.00711	3	1	23	0
P12163_2_S3,9154	K.VLSSDNHK.Y	1507.869	0.00382	3	1	24.5	0
P12163_2_S5,9587	K.VLSSDNHK.Y	1507.869	0.00402	3	1	26.3	0
P12163_1_F2,18139	K.VVAAGANPVLITR.G	1584.974	0.00286	2	1	27.8	0
P12163_1_F3,18712	K.VVAAGANPVLITR.G	1584.974	-0.0016	2	1	41.6	0
P12163_1_S1,15848	K.VVAAGANPVLITR.G	1584.974	0.00265	3	1	53.6	0
P12163_1_S1,16464	K.VVAAGANPVLITR.G	1584.974	0.0066	2	1	36.6	0
P12163_1_S1,16480	K.VVAAGANPVLITR.G	1584.974	0.00265	3	1	67.4	0
P12163_1_S10,31	K.VVAAGANPVLITR.G	1584.974	0.00642	2	1	30.4	0
P12163_1_S10,57	K.VVAAGANPVLITR.G	1584.974	0.00406	3	1	61.3	0

P12163_2_F2,18098	K.VVAAGANPVLITR.G	1584.974	0.00058	2	1	26.1	0
P12163_1_F4,17825	R.ALCYPLK.L	1472.875	0.00476	2	1	26	0
P12163_1_F5,16570	R.ALCYPLK.L	1472.875	0.00718	2	1	26.1	0
P12163_1_F6,17052	R.ALCYPLK.L	1472.875	0.00722	2	1	25.7	0
P12163_1_F6,17091	R.ALCYPLK.L	1472.875	0.00427	3	1	24.9	0
P12163_1_F8,16512	R.ALCYPLK.L	1472.875	0.00145	3	1	25.4	0
P12163_1_F9,16755	R.ALCYPLK.L	1472.875	0.00102	2	1	26	0
P12163_2_F10,1518	R.ALCYPLK.L	1472.875	0.00811	3	1	25.3	0
P12163_2_F8_12070	R.ALCYPLK.L	1472.875	0.00433	3	1	24.9	0
P12163_2_F8_12070	R.ALCYPLK.L	1472.875	0.008	2	1	27.1	0
P12163_2_F9,15455	R.ALCYPLK.L	1472.875	0.00662	2	1	27.5	0
P12163_2_F9,15477	R.ALCYPLK.L	1472.875	0.007	3	1	23.7	0
P12163_1_F7,10772	R.CCLEHASSVAK.T	1869.977	0.00582	3	1	29.4	0
P12163_2_F6,11007	R.CCLEHASSVAK.T	1869.977	0.01395	3	1	26.9	0
P12163_2_F6,11034	R.CCLEHASSVAK.T	1869.977	0.00642	2	1	43.6	0
P12163_2_F7,10450	R.CCLEHASSVAK.T	1869.977	-0.00114	3	1	25.8	0
P12163_2_F7,10478	R.CCLEHASSVAK.T	1869.977	0.005	2	1	26.6	0
P12163_1_F3,16957	R.DEVGLALDK.V	1567.915	0.00369	2	1	41.1	0
P12163_1_F3,17061	R.DEVGLALDK.V	1567.915	0.00498	3	1	41.2	0
P12163_1_F4,17482	R.DEVGLALDK.V	1567.915	0.00464	3	1	51.5	0
P12163_1_F5,16207	R.DEVGLALDK.V	1567.915	-0.00349	2	1	24.3	0
P12163_1_S1,15434	R.DEVGLALDK.V	1567.915	0.00428	3	1	39.7	0
P12163_2_S3,13855	R.DEVGLALDK.V	1567.915	0.0023	3	1	39.2	0
P12163_1_S1,25596	R.DLINVLEDAIR.G	1574.905	-0.00085	3	1	40.5	0
P12163_1_F2,19603	R.GYISPYFVTDSEK.M	2114.127	0.00194	2	1	38	0
P12163_1_F3,18294	R.GYISPYFVTDSEK.M	2114.127	0.01012	3	1	37.9	0
P12163_1_F3,20108	R.GYISPYFVTDSEK.M	2114.127	0.01069	2	1	46.9	0
P12163_1_F3,20111	R.GYISPYFVTDSEK.M	2114.127	0.0121	3	1	29.9	0
P12163_1_F3,20413	R.GYISPYFVTDSEK.M	2114.127	0.01345	3	1	33.6	0
P12163_1_F4,20706	R.GYISPYFVTDSEK.M	2114.127	0.00709	3	1	36.1	0
P12163_1_F7,18691	R.GYISPYFVTDSEK.M	2114.127	-0.00417	2	1	25.4	0
P12163_1_F9,19157	R.GYISPYFVTDSEK.M	2114.127	-0.00107	2	1	35.6	0
P12163_1_F9,19172	R.GYISPYFVTDSEK.M	2114.127	0.00763	3	1	38.3	0
P12163_1_S10,1815	R.GYISPYFVTDSEK.M	2114.127	0.00358	3	1	39.3	0
P12163_2_F4,18229	R.GYISPYFVTDSEK.M	2114.127	0.00898	3	1	35	0
P12163_2_F6,19123	R.GYISPYFVTDSEK.M	2114.127	0.00333	2	1	40.7	0
P12163_2_F7,17429	R.GYISPYFVTDSEK.M	2114.127	0.00331	3	1	42.8	0
P12163_1_F9,13923	R.KGVVTLLEEGK.S	1972.221	0.00643	3	1	33.3	0
P12163_1_S10,1391	R.KGVVTLLEEGK.S	1972.221	0.00973	3	1	29.6	0
P12163_2_F10,1263	R.KGVVTLLEEGK.S	1972.221	-0.00248	4	1	37.7	0
P12163_1_F8,23819	R.KSQYLDDIAILTGGTVI	2571.497	0.00502	3	1	32	0
P12163_2_F6,23604	R.KSQYLDDIAILTGGTVI	2571.497	0.00466	3	1	43.7	0
P12163_1_F5,12638	R.NVVLESK.Y	1396.862	0.00603	2	1	28.9	0
P12163_1_F5,12683	R.NVVLESK.Y	1396.862	0.00566	3	1	30	0
P12163_1_F6,13605	R.NVVLESK.Y	1396.862	0.00677	2	1	28.8	0
P12163_1_F6,13608	R.NVVLESK.Y	1396.862	0.00152	3	1	29.7	0
P12163_2_F1,13063	R.NVVLESK.Y	1396.862	0.00284	3	1	32	0
P12163_2_F2,13548	R.NVVLESK.Y	1396.862	0.01287	2	1	27.8	0
P12163_2_F2,13599	R.NVVLESK.Y	1396.862	0.00437	3	1	25.1	0
P12163_2_S5,11943	R.NVVLESK.Y	1396.862	-0.00118	3	1	33.9	0
P12163_2_S5,12631	R.NVVLESK.Y	1396.862	0.00413	3	1	26.1	0

P12163_1_F2,17181 R.TLIENAEQDYER.E	1784.897	0.00294	2	1	40.2	0
P12163_1_F4,18161 R.TLIENAEQDYER.E	1784.897	0.00366	2	1	34.7	0
P12163_1_F6,17374 R.TLIENAEQDYER.E	1784.897	0.00798	2	1	28.8	0
P12163_1_F7,16475 R.TLIENAEQDYER.E	1784.897	0.00806	2	1	34.6	0
P12163_1_S1,12058 R.TLIENAEQDYER.E	1784.897	0.0023	3	1	58.8	0
P12163_1_S1,12065 R.TLIENAEQDYER.E	1784.897	0.00422	2	1	62.6	0
P12163_1_S1,17137 R.TLIENAEQDYER.E	1784.897	0.00434	2	1	50.4	0
P12163_1_S1,17232 R.TLIENAEQDYER.E	1784.897	0.00137	3	1	72.8	0
P12163_2_F6,11819 R.TLIENAEQDYER.E	1784.897	0.00116	3	1	22.8	0
P12163_2_F6,16560 R.TLIENAEQDYER.E	1784.897	0.0039	2	1	29.7	0
P12163_2_F6,16756 R.TLIENAEQDYER.E	1784.897	-0.00044	2	1	48.5	0
P12163_1_F4,14194 R.VEDALNATK.A ! R.VE	1568.91	0.00373	3	1	44.3	0
P12163_1_F4,14328 R.VEDALNATK.A ! R.VE	1568.91	0.01025	2	1	28.6	0
P12163_1_F4,16508 R.VEDALNATK.A ! R.VE	1568.91	0.00893	2	1	27.5	0
P12163_1_F4,16528 R.VEDALNATK.A ! R.VE	1568.91	0.00967	3	1	31.2	0
P12163_1_F4,16748 R.VEDALNATK.A ! R.VE	1568.91	0.00559	2	1	34.2	0
P12163_1_F5,15268 R.VEDALNATK.A ! R.VE	1568.91	0.01043	2	1	39.4	0
P12163_1_F6,15964 R.VEDALNATK.A ! R.VE	1568.91	0.00647	2	1	47	0
P12163_1_F7,14557 R.VEDALNATK.A ! R.VE	1568.91	0.00523	2	1	40.4	0
P12163_1_F7,15094 R.VEDALNATK.A ! R.VE	1568.91	0.00689	2	1	33.4	0
P12163_2_F1,13031 R.VEDALNATK.A ! R.VE	1568.91	0.0049	3	1	27.6	0
P12163_2_F1,15615 R.VEDALNATK.A ! R.VE	1568.91	0.00881	2	1	30.6	0
P12163_2_F1,15795 R.VEDALNATK.A ! R.VE	1568.91	0.00592	3	1	32	0
P12163_2_F1,15906 R.VEDALNATK.A ! R.VE	1568.91	0.01109	2	1	46.4	0
P12163_2_F2,604 R.VEDALNATK.A ! R.VE	1568.91	0.00691	2	1	39	0
P12163_2_F2,1016 R.VEDALNATK.A ! R.VE	1568.91	0.00643	2	1	48	0
P12163_2_F4,12221 R.VEDALNATK.A ! R.VE	1568.91	0.00073	3	1	24.8	0
P12163_2_F4,14187 R.VEDALNATK.A ! R.VE	1568.91	-0.00019	2	1	41.6	0
P12163_2_F4,14200 R.VEDALNATK.A ! R.VE	1568.91	0.00205	3	1	33	0
P12163_2_S3,13492 R.VEDALNATK.A ! R.VE	1568.91	0.00325	3	1	27	0
P12163_2_S5,14941 R.VEDALNATK.A ! R.VE	1568.91	0.00724	3	1	38.9	0
P12163_1_F4,18241 K.AAGEVLALQK.R	1607.994	0.00703	3	1	31.2	0
P12163_1_F4,18252 K.AAGEVLALQK.R	1607.994	0.00505	2	1	53	0
P12163_1_F4,18466 K.AAGEVLALQK.R	1607.994	0.00604	3	1	58.7	0
P12163_1_F5,17109 K.AAGEVLALQK.R	1607.994	0.01063	2	1	48.4	0
P12163_1_F6,17520 K.AAGEVLALQK.R	1607.994	0.00495	2	1	25.6	0
P12163_2_F1,17559 K.AAGEVLALQK.R	1607.994	0.00658	3	1	42.7	0
P12163_2_F1,17560 K.AAGEVLALQK.R	1607.994	0.00623	2	1	46.6	0
P12163_1_F5,14376 K.AMEEIEK.N ! K.AMEEI	1457.813	0.00552	2	1	39.3	0
P12163_2_F1,14508 K.AMEEIEK.N ! K.AMEEI	1457.813	0.00772	2	1	39.8	0
P12163_2_F1,14514 K.AMEEIEK.N ! K.AMEEI	1457.813	0.00399	3	1	22	0
P12163_1_F3,19504 K.DMVVLPYK.D	1572.928	0.00685	2	1	27.2	0
P12163_1_F3,19506 K.DMVVLPYK.D	1572.928	0.00353	3	1	24.4	0
P12163_1_F4,19558 K.DMVVLPYK.D	1572.928	0.01187	3	1	30.3	0
P12163_1_F4,19566 K.DMVVLPYK.D	1572.928	0.01071	2	1	27.3	0
P12163_1_F9,18520 K.DMVVLPYK.D	1572.928	0.00677	2	1	25.3	0
P12163_1_F2,19187 K.DSLLFSR.Y	1254.736	0.00233	3	1	28	0
P12163_1_F7,15322 K.FADEVVSGK.I	1559.889	-0.00621	2	1	33.9	0
P12163_2_F1,16455 K.FADEVVSGK.I	1559.889	0.00591	2	1	33.9	0
P12163_2_F1,16481 K.FADEVVSGK.I	1559.889	0.00354	3	1	22.8	0
P12163_2_F4,15000 K.FADEVVSGK.I	1559.889	0.00129	2	1	40.9	0

P12163_1_F2,9212	K.GAIANPDEGR.M	1303.691	0.00173	2	1	35.4	0
P12163_1_S1,9268	K.GAIANPDEGR.M	1303.691	0.00071	2	1	29.8	0
P12163_1_S1,9343	K.GAIANPDEGR.M	1303.691	-0.00872	3	1	42.5	0
P12163_1_S1,9488	K.GAIANPDEGR.M	1303.691	0.00359	2	1	31.4	0
P12163_2_S3,7891	K.GAIANPDEGR.M	1303.691	0.00387	2	1	32.5	0
P12163_1_F6,12637	K.GSTDQHAYIQQLR.E	1820.956	0.00254	2	1	40.7	0
P12163_1_F6,12662	K.GSTDQHAYIQQLR.E	1820.956	-0.00172	3	1	24.6	0
P12163_2_F7,13711	K.IIAHM*AANDR.A	1431.768	-0.00071	3	1	30.6	0
P12163_2_F7,13690	K.IIAHMAANDR.A	1415.773	0.00043	3	1	40.1	0
P12163_1_F9,10599	K.IKPPSSPEGR.F	1675.995	0.00594	2	1	30.8	0
P12163_2_F7,9910	K.IKPPSSPEGR.F	1675.995	0.00254	2	1	28.6	0
P12163_1_F9,15578	K.KAAGEVLALQK.R	2040.294	0.01278	3	1	46.4	0
P12163_1_S1,13047	K.SQIETTLD AVR.K	1536.853	0.0027	3	1	62.6	0
P12163_1_S1,17003	K.SQIETTLD AVR.K	1536.853	0.0033	3	1	58	0
P12163_1_S1,17191	K.SQIETTLD AVR.K	1536.853	0.00453	2	1	37.3	0
P12163_1_F3,22214	K.VYLGECNVDGLYA.-	1776.878	0.00325	2	1	100	0
P12163_1_F4,22840	K.VYLGECNVDGLYA.-	1776.878	0.00269	2	1	56.4	0
P12163_1_F2,9161	R.ALIAEGSCGSPR.S	1521.8	0.00238	3	1	32.3	0
P12163_1_F2,11063	R.ALIAEGSCGSPR.S	1521.8	-0.00116	3	1	27.8	0
P12163_1_F2,11375	R.ALIAEGSCGSPR.S	1521.8	0.00316	3	1	41.3	0
P12163_1_F2,13161	R.ALIAEGSCGSPR.S	1521.8	0.0019	3	1	38.1	0
P12163_2_F1,12881	R.ALIAEGSCGSPR.S	1521.8	0.00361	2	1	35.6	0
P12163_2_F8_12070	R.AVGIYASLVNINAYHC	2979.651	0.00711	4	1	61.2	0
P12163_2_F7,14961	R.CHTPEDIEM*IYK.I	2160.093	0.00459	3	1	34.4	0
P12163_2_F6,16174	R.CHTPEDIEMIYK.I	2144.098	0.00333	3	1	34.6	0
P12163_2_F6,16193	R.CHTPEDIEMIYK.I	2144.098	0.00285	2	1	38.4	0
P12163_2_F7,14958	R.CHTPEDIEMIYK.I	2144.098	0.0054	3	1	29.6	0
P12163_1_F4,16618	R.EAGLEFAK.Q	1472.857	0.00418	3	1	25.4	0
P12163_1_F5,15453	R.EAGLEFAK.Q	1472.857	0.00667	2	1	33.7	0
P12163_1_F7,14689	R.EAGLEFAK.Q	1472.857	0.00211	2	1	27.9	0
P12163_1_F7,14717	R.EAGLEFAK.Q	1472.857	-0.00203	3	1	27.9	0
P12163_2_F1,15690	R.EAGLEFAK.Q	1472.857	0.00243	2	1	33	0
P12163_2_F1,15730	R.EAGLEFAK.Q	1472.857	0.00808	3	1	25.7	0
P12163_2_S5,14364	R.EAGLEFAK.Q	1472.857	-0.00059	3	1	27.2	0
P12163_1_F2,15350	R.EISADLSNTNDVVPK.K	2210.212	0.00579	3	1	33.1	0
P12163_1_F2,17110	R.EISADLSNTNDVVPK.K	2210.212	0.00303	2	1	38	0
P12163_1_S1,16238	R.EISADLSNTNDVVPK.K	2210.212	0.00639	2	1	79	0
P12163_1_S1,16248	R.EISADLSNTNDVVPK.K	2210.212	0.0026	4	1	44.1	0
P12163_1_S1,16407	R.EISADLSNTNDVVPK.K	2210.212	0.00705	3	1	77	0
P12163_1_F5,16823	R.FQAAFK.A	1319.793	0.00527	2	1	23.9	0
P12163_2_F2,17485	R.FQAAFK.A	1319.793	0.00677	2	1	24.9	0
P12163_2_F9,13582	R.KFADEVVSGK.I	1992.189	0.00062	3	1	32.9	0
P12163_2_F10,15311	R.KPELAPNSFLK.S	2156.321	0.00254	4	1	22.9	0
P12163_2_F4,14205	R.M*VGHYWLR.K	1381.735	0.00338	3	1	44.7	0
P12163_2_F4,16373	R.MVGHYWLR.K	1365.74	0.00236	3	1	38.4	0
P12163_2_F9,16600	R.MVGHYWLR.K	1365.74	0.00365	3	1	55.9	0
P12163_1_F5,15034	R.NGLLEVQK.A	1508.926	0.00855	2	1	26.7	0
P12163_2_F1,15141	R.NGLLEVQK.A	1508.926	0.00486	3	1	27.9	0
P12163_2_F1,15194	R.NGLLEVQK.A	1508.926	0.00639	2	1	28.7	0
P12163_2_F1,15360	R.NGLLEVQK.A	1508.926	0.00546	3	1	22.6	0
P12163_1_S10,1168	R.SALYANDR.E	1213.648	0.00359	2	1	30.7	0

P12163_2_F8_1207	R.SALYANDR.E	1213.648	0.00401	2	1	28.8	0
P12163_1_S1,21846	R.SVGALVALYER.A	1481.863	0.00204	3	1	68.8	0
P12163_2_F7,19957	R.SVGALVALYER.A	1481.863	0.00126	2	1	52.2	0
P12163_1_F4,24359	R.VLAVLNEASCK.E	1812.051	0.0049	2	1	59	0
P12163_1_F4,24360	R.VLAVLNEASCK.E	1812.051	0.00624	3	1	50.2	0
P12163_1_F4,24648	R.VLAVLNEASCK.E	1812.051	0.00516	3	1	61	0
P12163_1_F4,24665	R.VLAVLNEASCK.E	1812.051	0.00306	2	1	59.4	0
P12163_1_F5,22880	R.VLAVLNEASCK.E	1812.051	0.00654	3	1	43.6	0
P12163_1_F6,22138	R.VLAVLNEASCK.E	1812.051	0.00372	3	1	34.6	0
P12163_1_F6,22555	R.VLAVLNEASCK.E	1812.051	0.00702	3	1	33.2	0
P12163_1_F7,21391	R.VLAVLNEASCK.E	1812.051	0.00114	3	1	46.5	0
P12163_1_F7,21796	R.VLAVLNEASCK.E	1812.051	0.00417	3	1	30.5	0
P12163_2_F1,23735	R.VLAVLNEASCK.E	1812.051	0.00423	3	1	45.8	0
P12163_2_F1,23966	R.VLAVLNEASCK.E	1812.051	0.00363	3	1	45.2	0
P12163_2_F1,23975	R.VLAVLNEASCK.E	1812.051	0.00936	2	1	29	0
P12163_2_F4,20815	R.VLAVLNEASCK.E	1812.051	0.00024	3	1	49.2	0
P12163_2_S5,20926	R.VLAVLNEASCK.E	1812.051	0.01077	3	1	22.1	0
P12163_1_F4,13694	R.VSQGLTVYGNK.G	1774.032	0.00296	2	1	25.8	0
P12163_1_F4,16187	R.VSQGLTVYGNK.G	1774.032	0.00884	2	1	56	0
P12163_1_F4,16196	R.VSQGLTVYGNK.G	1774.032	0.00627	3	1	50.8	0
P12163_2_F1,15358	R.VSQGLTVYGNK.G	1774.032	0.00462	3	1	54	0
P12163_2_F1,15393	R.VSQGLTVYGNK.G	1774.032	0.0047	2	1	52.9	0
P12163_2_F9,14329	R.VSQGLTVYGNK.G	1774.032	0.00738	3	1	29.3	0
P12163_1_F6,20830	R.YVDWLYQHK.E	1860.026	0.005	3	1	39.8	0
P12163_1_F4,18397	K.AQISALVDK.G	1552.952	0.00842	3	1	34.8	0
P12163_1_F4,18423	K.AQISALVDK.G	1552.952	0.00846	2	1	37.3	0
P12163_1_F5,17073	K.AQISALVDK.G	1552.952	0.00596	3	1	28.6	0
P12163_1_F5,17075	K.AQISALVDK.G	1552.952	0.00208	2	1	46.1	0
P12163_1_F7,16200	K.AQISALVDK.G	1552.952	0.0029	3	1	29.6	0
P12163_2_F1,17712	K.AQISALVDK.G	1552.952	0.0053	3	1	34.1	0
P12163_2_F1,17713	K.AQISALVDK.G	1552.952	0.0074	2	1	37.4	0
P12163_2_S5,15462	K.AQISALVDK.G	1552.952	-0.00025	3	1	23.4	0
P12163_1_S1,12866	K.DIELQVTER.F	1406.779	-0.00035	3	1	36.7	0
P12163_1_F3,21257	K.EIADIMLK.E	1540.923	-0.00598	3	1	30.1	0
P12163_1_F3,21261	K.EIADIMLK.E	1540.923	0.0056	2	1	39.7	0
P12163_2_F1,21464	K.EIADIMLK.E	1540.923	0.00794	3	1	35.2	0
P12163_2_F1,21489	K.EIADIMLK.E	1540.923	0.00522	2	1	51.3	0
P12163_2_F4,19124	K.EIADIMLK.E	1540.923	0.00128	3	1	31.6	0
P12163_1_S1,13088	K.LDPVVGR.Q	1059.646	0.00326	3	1	26.1	0
P12163_1_F7,18006	K.LIGSPPGYVGYTEGGQ	2568.361	-0.00653	3	1	32	0
P12163_1_F7,20015	K.LIGSPPGYVGYTEGGQ	2568.361	0.00586	3	1	84	0
P12163_2_F7,11466	K.MEETLHK.R	1495.84	0.00331	3	1	22.1	0
P12163_1_F3,18754	K.MPTLEEYGTNLTK.L	2105.141	0.00721	3	1	26.8	0
P12163_1_F3,20240	K.MPTLEEYGTNLTK.L	2105.141	0.00156	2	1	48.3	0
P12163_1_F4,15720	K.NNPCLIGEPGVGK.T	1963.089	0.00694	3	1	35.8	0
P12163_2_F1,14845	K.NNPCLIGEPGVGK.T	1963.089	0.00499	2	1	37.9	0
P12163_1_F9,17374	K.RVLELSLEEAR.Q	1618.943	0.00402	3	1	70.2	0
P12163_2_F7,15460	K.RVLELSLEEAR.Q	1618.943	-0.00153	3	1	39.8	0
P12163_1_F4,17476	K.SLVTEELK.Q	1526.925	0.00644	2	1	39.5	0
P12163_1_F7,15404	K.SLVTEELK.Q	1526.925	-0.00076	3	1	28.1	0
P12163_2_S5,14893	K.SLVTEELK.Q	1526.925	-0.00751	3	1	31.3	0

P12163_1_F5,15362	K.SMGINLK.D	1370.829	0.00421	3	1	23.1	0
P12163_2_F2,16087	K.SMGINLK.D	1370.829	0.00415	3	1	33.4	0
P12163_1_F2,11174	K.TAIAEGLAQR.I	1333.774	0.00366	3	1	42.6	0
P12163_1_F2,15759	K.TAIAEGLAQR.I	1333.774	0.0032	2	1	24.4	0
P12163_1_F2,20513	K.VIM*LAQEEAR.R	1479.814	0.00292	2	1	32.8	0
P12163_1_S1,20329	K.VITLDM*GLLVAGTK.'	2055.234	0.00674	3	1	32.6	0
P12163_1_S1,21611	K.VITLDM*GLLVAGTK.'	2055.234	0.00362	3	1	22.9	0
P12163_1_S1,5657	K.VSTDESDR.L	1212.601	0.003	3	1	32.7	0
P12163_1_S1,6132	K.VSTDESDR.L	1212.601	0.0036	3	1	27.3	0
P12163_1_S1,7216	K.VSTDESDR.L	1212.601	0.00583	2	1	30.6	0
P12163_1_S1,7397	K.VSTDESDR.L	1212.601	0.00437	2	1	29.1	0
P12163_2_F6,17762	R.GELQCIGATTLDEYRK	2462.317	0.00829	3	1	40.5	0
P12163_1_F9,8938	R.HAQLPEEAR.E	1354.738	0.00484	2	1	31.1	0
P12163_1_F9,8950	R.HAQLPEEAR.E	1354.738	0.00046	3	1	47.1	0
P12163_2_F7,8454	R.HAQLPEEAR.E	1354.738	0.00229	3	1	43.5	0
P12163_2_F7,8457	R.HAQLPEEAR.E	1354.738	0.00252	2	1	31.4	0
P12163_2_F9,9072	R.HAQLPEEAR.E	1354.738	0.00262	3	1	49.3	0
P12163_1_F2,14421	R.IASGDVPDTIEGK.K	1910.069	0.00304	2	1	27.7	0
P12163_1_F2,14451	R.IASGDVPDTIEGK.K	1910.069	0.00493	3	1	29.7	0
P12163_1_F2,16204	R.IASGDVPDTIEGK.K	1910.069	0.0088	2	1	27.1	0
P12163_1_F2,16385	R.IASGDVPDTIEGK.K	1910.069	0.00541	3	1	22.5	0
P12163_1_S1,15472	R.IASGDVPDTIEGK.K	1910.069	0.01157	2	1	43.3	0
P12163_1_S1,15580	R.IASGDVPDTIEGK.K	1910.069	0.0061	3	1	35.4	0
P12163_1_F3,20499	R.IGFDLDYDEK.D	1822.968	0.00673	2	1	38.3	0
P12163_1_S1,22691	R.LDEMIVFR.Q	1326.739	0.0015	3	1	65.9	0
P12163_1_S1,22813	R.LDEMIVFR.Q	1326.739	0.00325	2	1	26.8	0
P12163_1_S1,20304	R.LDMSEFMER.H	1461.702	0.00094	2	1	26.6	0
P12163_1_F4,19008	R.LLEDSM*AEK.M	1659.908	-0.00603	3	1	36.2	0
P12163_1_F2,13177	R.M*VGESTEAVGAGVG	2475.261	0.0037	3	1	33.4	0
P12163_1_F3,12215	R.M*VGESTEAVGAGVG	2475.261	0.00655	3	1	59.5	0
P12163_1_F2,13241	R.MVGESTEAVGAGVGC	2459.266	0.00517	3	1	77.9	0
P12163_1_F2,14288	R.MVGESTEAVGAGVGC	2459.266	0.0013	3	1	75.7	0
P12163_2_F6,21430	R.RPYTVVLFDEIEK.A	2217.274	0.00362	3	1	22.1	0
P12163_2_F7,19300	R.RPYTVVLFDEIEK.A	2217.274	0.00512	3	1	42.5	0
P12163_1_F4,14061	R.VIGQDEAVK.A	1566.931	0.00746	2	1	35.6	0
P12163_1_F4,14110	R.VIGQDEAVK.A	1566.931	0.00287	3	1	31.5	0
P12163_1_F7,12318	R.VIGQDEAVK.A	1566.931	-0.00022	3	1	26.6	0
P12163_2_F1,13072	R.VIGQDEAVK.A	1566.931	0.00508	2	1	34.9	0
P12163_2_F1,13082	R.VIGQDEAVK.A	1566.931	0.00332	3	1	29.1	0
P12163_1_F2,17198	R.VLELSLEEAR.Q	1462.842	0.00285	3	1	40.8	0
P12163_1_S1,20988	R.VLELSLEEAR.Q	1462.842	0.00195	3	1	58.7	0
P12163_1_S1,21039	R.VLELSLEEAR.Q	1462.842	0.00299	2	1	39.6	0
P12163_1_S1,18354	R.VLENLGADPSNIR.T	1701.944	0.00116	3	1	47.5	0
P12163_1_S1,18540	R.VLENLGADPSNIR.T	1701.944	0.00354	2	1	42.9	0
P12163_1_S1,18602	R.VLENLGADPSNIR.T	1701.944	0.00422	3	1	50	0
P12163_1_F6,21699	K.ALVPASLIAHNAGVFI	2881.661	0.0025	4	1	28.2	0
P12163_1_F4,18509	K.ASEWTTGYNAMTDK.'	2183.09	0.00537	2	1	65.2	0
P12163_2_F1,17758	K.ASEWTTGYNAMTDK.'	2183.09	0.0053	3	1	45.5	0
P12163_1_S1,16205	K.DIAFDQISR.A	1368.742	0.00441	3	1	57.1	0
P12163_1_S1,16253	K.DIAFDQISR.A	1368.742	0.0032	2	1	33.4	0
P12163_1_F3,22868	K.DIIPLLEK.T	1548.982	0.00662	3	1	36.5	0

P12163_1_F3,23114 K.DIIPLEK.T	1548.982	0.00589	2	1	25.8	0
P12163_1_F3,23147 K.DIIPLEK.T	1548.982	0.00614	3	1	25.1	0
P12163_1_F5,22271 K.DIIPLEK.T	1548.982	0.00455	3	1	32.8	0
P12163_1_F6,21631 K.DIIPLEK.T	1548.982	0.00059	3	1	34.3	0
P12163_1_F7,21214 K.DIIPLEK.T	1548.982	0.00866	3	1	28.8	0
P12163_1_S10,2018 K.DIIPLEK.T	1548.982	0.00665	3	1	28.3	0
P12163_2_F1,23134 K.DIIPLEK.T	1548.982	0.00653	2	1	27.7	0
P12163_2_F1,23158 K.DIIPLEK.T	1548.982	0.00212	3	1	34.3	0
P12163_2_F4,20652 K.DIIPLEK.T	1548.982	0.00507	2	1	23.9	0
P12163_2_S3,18122 K.DIIPLEK.T	1548.982	0.00185	3	1	31.2	0
P12163_1_F9,9919 K.DKLEDADER.L	1698.912	0.00334	2	1	37.5	0
P12163_1_F2,10234 K.DSTTHIADAASK.D	1801.016	0.00782	3	1	35.4	0
P12163_1_F2,12553 K.DSTTHIADAASK.D	1801.016	0.00506	3	1	33.2	0
P12163_1_F2,14081 K.DSTTHIADAASK.D	1801.016	-0.00457	3	1	39.6	0
P12163_1_F2,15577 K.DSTTHIADAASK.D	1801.016	-0.00215	2	1	52.1	0
P12163_1_F2,15678 K.DSTTHIADAASK.D	1801.016	0.00575	3	1	36.4	0
P12163_1_F3,16095 K.DSTTHIADAASK.D	1801.016	-0.00085	3	1	22.9	0
P12163_2_F4,14748 K.DSTTHIADAASK.D	1801.016	-0.00418	3	1	23.5	0
P12163_1_F8,16843 K.DSTTHIADAASKDEIQA	2513.367	0.00412	2	1	30.6	0
P12163_1_F2,10955 K.ELAETDSVYDSEK.L	2094.07	-0.00399	3	1	22.6	0
P12163_1_F2,12305 K.ELAETDSVYDSEK.L	2094.07	0.0028	2	1	27.2	0
P12163_1_F2,12313 K.ELAETDSVYDSEK.L	2094.07	0.00786	3	1	32.5	0
P12163_1_F2,13182 K.ELAETDSVYDSEK.L	2094.07	0.00663	3	1	39	0
P12163_1_F2,14653 K.ELAETDSVYDSEK.L	2094.07	0.00252	2	1	50.8	0
P12163_1_F3,12949 K.ELAETDSVYDSEK.L	2094.07	0.004	2	1	28.4	0
P12163_1_F3,13629 K.ELAETDSVYDSEK.L	2094.07	0.01116	3	1	36.4	0
P12163_1_F3,15158 K.ELAETDSVYDSEK.L	2094.07	0.0043	2	1	54	0
P12163_1_F3,15191 K.ELAETDSVYDSEK.L	2094.07	0.00633	3	1	56.4	0
P12163_1_F6,14567 K.ELAETDSVYDSEK.L	2094.07	0.00243	3	1	50.1	0
P12163_2_F2,14662 K.ELAETDSVYDSEK.L	2094.07	0.00372	2	1	36	0
P12163_1_F2,10456 K.LEDADER.L	1151.585	0.00283	2	1	28.7	0
P12163_1_F2,23643 K.LGLLSVTSGANPVSLK	2164.316	0.00344	3	1	61.4	0
P12163_1_F3,22871 K.LGLLSVTSGANPVSLK	2164.316	0.00584	3	1	49.3	0
P12163_1_F3,24705 K.LGLLSVTSGANPVSLK	2164.316	0.00503	3	1	43.2	0
P12163_1_F3,24750 K.LGLLSVTSGANPVSLK	2164.316	0.00391	2	1	59.9	0
P12163_1_F3,24805 K.LGLLSVTSGANPVSLK	2164.316	0.00621	4	1	26.5	0
P12163_1_F3,24945 K.LGLLSVTSGANPVSLK	2164.316	0.0008	3	1	30	0
P12163_1_F2,22324 K.LIVEFENAR.V	1394.794	0.00331	3	1	35.4	0
P12163_1_F2,22457 K.LIVEFENAR.V	1394.794	0.00054	2	1	32.4	0
P12163_1_F6,21726 K.LIVEFENAR.V	1394.794	0.00228	2	1	31	0
P12163_1_S1,19996 K.LSDAVGLTLGPR.G	1502.884	0.00448	2	1	24.1	0
P12163_1_S1,20187 K.LSDAVGLTLGPR.G	1502.884	0.00331	3	1	73.1	0
P12163_2_F2,21034 K.LSDAVGLTLGPR.G	1502.884	0.00158	2	1	33.9	0
P12163_1_F4,17840 K.LSGGVAVIK.V ! K.LSC	1451.941	0.00685	2	1	36.2	0
P12163_1_F4,17849 K.LSGGVAVIK.V ! K.LSC	1451.941	0.00546	3	1	29.5	0
P12163_1_F4,18755 K.LSGGVAVIK.V ! K.LSC	1451.941	0.00627	3	1	29.5	0
P12163_1_F4,18793 K.LSGGVAVIK.V ! K.LSC	1451.941	0.00573	2	1	36.3	0
P12163_1_F5,16593 K.LSGGVAVIK.V ! K.LSC	1451.941	0.00381	2	1	33	0
P12163_1_F6,17094 K.LSGGVAVIK.V ! K.LSC	1451.941	0.0066	3	1	25.3	0
P12163_1_F7,15767 K.LSGGVAVIK.V ! K.LSC	1451.941	0.00323	2	1	24.7	0
P12163_1_F7,15810 K.LSGGVAVIK.V ! K.LSC	1451.941	0.00276	3	1	32.1	0

P12163_1_F7,16269	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00321	3	1	25.8	0
P12163_1_F8,17074	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00288	3	1	34.2	0
P12163_1_F9,16894	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00606	3	1	33.7	0
P12163_2_F1,16989	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00463	2	1	27.1	0
P12163_2_F1,17994	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00413	2	1	33.8	0
P12163_2_F2,356	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00372	3	1	27.9	0
P12163_2_F2,835	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00492	3	1	35.2	0
P12163_2_F2,864	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00453	2	1	37.9	0
P12163_2_F2,1030	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00414	3	1	33.4	0
P12163_2_F2,1058	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00323	2	1	37.1	0
P12163_2_F2,1221	K.LSGGVAVIK.V ! K.LSC	1451.941	0.0039	3	1	31.6	0
P12163_2_F2,1252	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00427	2	1	39.5	0
P12163_2_F2,1417	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00498	3	1	29.2	0
P12163_2_F2,1500	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00493	2	1	24.3	0
P12163_2_F2,1603	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00693	3	1	29.1	0
P12163_2_F2,1801	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00441	3	1	28.2	0
P12163_2_F2,1909	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00331	2	1	29.3	0
P12163_2_F2,1994	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00531	3	1	32.3	0
P12163_2_F2,2097	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00349	2	1	38.1	0
P12163_2_F2,2189	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00324	3	1	24.9	0
P12163_2_F4,15464	K.LSGGVAVIK.V ! K.LSC	1451.941	-0.00073	2	1	24.6	0
P12163_2_F4,15934	K.LSGGVAVIK.V ! K.LSC	1451.941	0.0063	3	1	24.1	0
P12163_2_F9,15243	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00042	3	1	22.6	0
P12163_2_S5,15426	K.LSGGVAVIK.V ! K.LSC	1451.941	0.0042	3	1	27.3	0
P12163_1_F8,10917	K.TNDSAGDGTASVL/	1940.983	-0.00125	3	1	23.3	0
P12163_1_F6,18513	K.TVHGLVEELEK.R	1862.084	0.00226	3	1	26.2	0
P12163_1_S10,1769	K.TVHGLVEELEK.R	1862.084	0.00112	3	1	25.9	0
P12163_1_S10,1769	K.TVHGLVEELEK.R	1862.084	0.00393	4	1	29.1	0
P12163_2_F6,13945	K.TVHGLVEELEK.R	1862.084	0.00007	3	1	46	0
P12163_2_F6,17851	K.TVHGLVEELEK.R	1862.084	0.00358	3	1	46	0
P12163_2_F6,17937	K.TVHGLVEELEK.R	1862.084	0.00381	4	1	24.8	0
P12163_2_F6,18244	K.TVHGLVEELEK.R	1862.084	0.00859	3	1	22.9	0
P12163_2_F7,12896	K.TVHGLVEELEK.R	1862.084	0.00424	3	1	31.9	0
P12163_2_F7,15978	K.TVHGLVEELEK.R	1862.084	0.00613	3	1	44.2	0
P12163_2_F7,16161	K.TVHGLVEELEK.R	1862.084	0.00304	3	1	39.3	0
P12163_2_F8_12070	K.TVHGLVEELEK.R	1862.084	0.0049	3	1	26.6	0
P12163_1_F5,12878	K.VGAATETELED.R.K	1594.823	0.00813	2	1	25.1	0
P12163_1_S1,9927	K.VGAATETELED.R.K	1594.823	0.00409	4	1	27.9	0
P12163_1_S1,10858	K.VGAATETELED.R.K	1594.823	0.00225	3	1	28.5	0
P12163_1_S1,11031	K.VGAATETELED.R.K	1594.823	0.00219	2	1	26.3	0
P12163_1_S1,11075	K.VGAATETELED.R.K	1594.823	-0.00057	3	1	23.7	0
P12163_1_S1,14006	K.VGAATETELED.R.K	1594.823	0.00411	3	1	46.7	0
P12163_1_S1,14079	K.VGAATETELED.R.K	1594.823	-0.00025	2	1	44.2	0
P12163_1_S1,14447	K.VGAATETELED.R.K	1594.823	0.00557	2	1	39.9	0
P12163_1_S1,15451	K.VGAATETELED.R.K	1594.823	-0.00135	2	1	25	0
P12163_2_F2,13642	K.VGAATETELED.R.K	1594.823	0.00205	2	1	38.1	0
P12163_1_F8,13848	K.VGAATETELED.R.K.L	2027.123	0.00464	2	1	29.5	0
P12163_1_S1,10329	K.VVNDGVTIAR.A	1347.79	0.00311	3	1	25.3	0
P12163_1_S1,13185	K.VVNDGVTIAR.A	1347.79	0.00506	2	1	26.6	0
P12163_1_S1,13208	K.VVNDGVTIAR.A	1347.79	-0.00073	3	1	82	0
P12163_1_F2,17201	K.YENM*LQAGVIDPAK.	2173.178	0.00766	3	1	32.9	0

P12163_1_F3,17732	K.YENM*LQAGVIDPAK.	2173.178	0.01021	3	1	50.3	0
P12163_1_F3,17745	K.YENM*LQAGVIDPAK.	2173.178	0.00066	2	1	37.5	0
P12163_1_F3,20918	K.YENMLQAGVIDPAK.V	2157.183	0.00781	3	1	61.5	0
P12163_1_F3,20919	K.YENMLQAGVIDPAK.V	2157.183	0.00792	2	1	73.9	0
P12163_2_F7,18242	K.YENMLQAGVIDPAK.V	2157.183	0.00532	3	1	54.6	0
P12163_1_F4,10863	R.AAM*QAGIDK.L	1528.861	0.00585	3	1	28	0
P12163_1_F5,9485	R.AAM*QAGIDK.L	1528.861	0.00791	2	1	35	0
P12163_2_F1,10004	R.AAM*QAGIDK.L	1528.861	0.00198	3	1	33.3	0
P12163_2_F1,10025	R.AAM*QAGIDK.L	1528.861	0.00639	2	1	34	0
P12163_2_S5,9242	R.AAM*QAGIDK.L	1528.861	0.00306	3	1	27.8	0
P12163_1_F4,13549	R.AAMQAGIDK.L	1512.866	0.00531	3	1	26.2	0
P12163_1_F4,13553	R.AAMQAGIDK.L	1512.866	0.00525	2	1	36.8	0
P12163_1_F5,12102	R.AAMQAGIDK.L	1512.866	0.00669	2	1	37	0
P12163_1_F5,12132	R.AAMQAGIDK.L	1512.866	0.01179	3	1	44.2	0
P12163_1_F7,11827	R.AAMQAGIDK.L	1512.866	0.00207	3	1	30.3	0
P12163_2_F1,12543	R.AAMQAGIDK.L	1512.866	0.00667	2	1	40.2	0
P12163_2_F1,12591	R.AAMQAGIDK.L	1512.866	0.00294	3	1	36.5	0
P12163_2_S5,11537	R.AAMQAGIDK.L	1512.866	0.0012	3	1	24.3	0
P12163_2_S5,11575	R.AAMQAGIDK.L	1512.866	0.00069	2	1	26.5	0
P12163_1_F6,23170	R.AIELADPM*ENAGAALI	2075.111	0.0044	2	1	34	0
P12163_1_F3,24338	R.AIELADPMENAGAALI	2059.116	0.0104	2	1	29.1	0
P12163_2_S5,21321	R.AIELADPMENAGAALI	2059.116	0.00328	3	1	53.2	0
P12163_1_F4,20835	R.GILNVAAIK.A	1506.983	0.0042	2	1	47.7	0
P12163_1_F4,20859	R.GILNVAAIK.A	1506.983	0.00325	3	1	47.3	0
P12163_1_F4,23097	R.GILNVAAIK.A	1506.983	0.00508	3	1	43.3	0
P12163_1_F4,23384	R.GILNVAAIK.A	1506.983	0.00094	3	1	29.7	0
P12163_1_F4,23430	R.GILNVAAIK.A	1506.983	0.0045	2	1	47.1	0
P12163_1_F5,19691	R.GILNVAAIK.A	1506.983	0.00588	2	1	51.3	0
P12163_1_F5,19707	R.GILNVAAIK.A	1506.983	0.00475	3	1	33.1	0
P12163_1_F6,19746	R.GILNVAAIK.A	1506.983	0.00718	3	1	39.7	0
P12163_1_F6,19759	R.GILNVAAIK.A	1506.983	0.00376	2	1	51.1	0
P12163_1_F7,18479	R.GILNVAAIK.A	1506.983	-0.00038	3	1	43.7	0
P12163_1_F7,18500	R.GILNVAAIK.A	1506.983	0.00122	2	1	56.1	0
P12163_1_F7,18930	R.GILNVAAIK.A	1506.983	0.00364	3	1	47.9	0
P12163_1_F7,18959	R.GILNVAAIK.A	1506.983	0.00424	2	1	45.1	0
P12163_1_F8,19919	R.GILNVAAIK.A	1506.983	0.00547	3	1	37.1	0
P12163_2_F1,20257	R.GILNVAAIK.A	1506.983	0.00622	3	1	47.3	0
P12163_2_F1,20292	R.GILNVAAIK.A	1506.983	0.00784	2	1	55.4	0
P12163_2_F1,20608	R.GILNVAAIK.A	1506.983	0.00511	3	1	24.6	0
P12163_2_F2,548	R.GILNVAAIK.A	1506.983	0.00553	3	1	45.9	0
P12163_2_F4,18091	R.GILNVAAIK.A	1506.983	0.00314	2	1	40	0
P12163_2_F4,18118	R.GILNVAAIK.A	1506.983	0.0016	3	1	35.7	0
P12163_2_F4,18578	R.GILNVAAIK.A	1506.983	-0.00208	2	1	44.8	0
P12163_2_S5,17372	R.GILNVAAIK.A	1506.983	0.00055	3	1	47.8	0
P12163_2_S5,17394	R.GILNVAAIK.A	1506.983	0.00416	2	1	36	0
P12163_2_S5,17870	R.GILNVAAIK.A	1506.983	0.00337	3	1	45.4	0
P12163_1_F3,18270	R.GYISPQFVTNPEK.L	2088.159	0.00515	2	1	70.2	0
P12163_1_F3,18469	R.GYISPQFVTNPEK.L	2088.159	0.00589	3	1	22.9	0
P12163_1_F4,18712	R.GYISPQFVTNPEK.L	2088.159	0.00526	3	1	36.8	0
P12163_1_F4,18723	R.GYISPQFVTNPEK.L	2088.159	0.00417	2	1	56.2	0
P12163_1_F6,17476	R.GYISPQFVTNPEK.L	2088.159	-0.00399	2	1	39.2	0

P12163_1_F6,17903 R.GYISPPQFVTNPEK.L	2088.159	0.00051	2	1	36.9	0
P12163_1_F9,17302 R.GYISPPQFVTNPEK.L	2088.159	0.00964	3	1	30.4	0
P12163_1_F9,17303 R.GYISPPQFVTNPEK.L	2088.159	0.00141	2	1	44.3	0
P12163_1_S10,1657 R.GYISPPQFVTNPEK.L	2088.159	-0.00176	3	1	33.5	0
P12163_2_F1,18021 R.GYISPPQFVTNPEK.L	2088.159	0.00313	2	1	52.3	0
P12163_2_F1,18135 R.GYISPPQFVTNPEK.L	2088.159	0.00289	3	1	46.2	0
P12163_2_F4,16275 R.GYISPPQFVTNPEK.L	2088.159	-0.00221	2	1	32.5	0
P12163_2_F4,16313 R.GYISPPQFVTNPEK.L	2088.159	-0.0017	3	1	30.2	0
P12163_2_F4,16618 R.GYISPPQFVTNPEK.L	2088.159	0.00334	3	1	32.4	0
P12163_2_F4,16647 R.GYISPPQFVTNPEK.L	2088.159	0.00031	2	1	34.5	0
P12163_2_F7,15497 R.GYISPPQFVTNPEK.L	2088.159	0.00664	3	1	41.4	0
P12163_2_F7,15505 R.GYISPPQFVTNPEK.L	2088.159	0.00155	2	1	49.6	0
P12163_2_F9,16189 R.GYISPPQFVTNPEK.L	2088.159	0.00547	3	1	38.4	0
P12163_1_F4,16805 R.LGADIVQK.A	1451.904	0.00493	2	1	38.7	0
P12163_1_F5,15520 R.LGADIVQK.A	1451.904	0.00731	2	1	31.5	0
P12163_1_F7,14733 R.LGADIVQK.A	1451.904	0.00097	2	1	31.1	0
P12163_2_F1,15962 R.LGADIVQK.A	1451.904	0.00671	2	1	31.9	0
P12163_2_F1,15978 R.LGADIVQK.A	1451.904	0.00504	3	1	27.6	0
P12163_2_F4,14414 R.LGADIVQK.A	1451.904	0.00203	2	1	30.8	0
P12163_1_F2,17068 R.NVVLDEFGSPK.V	1813.032	0.00621	2	1	24.1	0
P12163_1_F3,18500 R.NVVLDEFGSPK.V	1813.032	0.00339	2	1	43.7	0
P12163_1_F3,18582 R.NVVLDEFGSPK.V	1813.032	0.00647	3	1	52.5	0
P12163_1_F3,19548 R.NVVLDEFGSPK.V	1813.032	0.00499	2	1	54.8	0
P12163_1_F4,18941 R.NVVLDEFGSPK.V	1813.032	0.00739	2	1	34.3	0
P12163_1_F4,18977 R.NVVLDEFGSPK.V	1813.032	0.00584	3	1	46.4	0
P12163_1_F4,20081 R.NVVLDEFGSPK.V	1813.032	0.01157	3	1	51.4	0
P12163_1_F4,20091 R.NVVLDEFGSPK.V	1813.032	0.00549	2	1	46.2	0
P12163_1_F4,20394 R.NVVLDEFGSPK.V	1813.032	0.0075	3	1	67.1	0
P12163_1_F4,23431 R.NVVLDEFGSPK.V	1813.032	0.00435	3	1	40.9	0
P12163_1_F5,18870 R.NVVLDEFGSPK.V	1813.032	0.00279	2	1	48.4	0
P12163_1_F5,18931 R.NVVLDEFGSPK.V	1813.032	0.00201	3	1	61.4	0
P12163_1_F6,18528 R.NVVLDEFGSPK.V	1813.032	0.00473	3	1	26.6	0
P12163_1_F6,18631 R.NVVLDEFGSPK.V	1813.032	0.00441	2	1	39	0
P12163_1_F6,19013 R.NVVLDEFGSPK.V	1813.032	0.00179	3	1	30.9	0
P12163_1_F6,19062 R.NVVLDEFGSPK.V	1813.032	0.00739	2	1	37.6	0
P12163_1_F7,17798 R.NVVLDEFGSPK.V	1813.032	0.00257	3	1	54.5	0
P12163_2_F1,18102 R.NVVLDEFGSPK.V	1813.032	0.00417	3	1	44.8	0
P12163_2_F1,19561 R.NVVLDEFGSPK.V	1813.032	0.00503	3	1	48	0
P12163_2_F1,19580 R.NVVLDEFGSPK.V	1813.032	0.00689	2	1	42.1	0
P12163_2_F4,17227 R.NVVLDEFGSPK.V	1813.032	0.00584	3	1	22.6	0
P12163_2_F4,17439 R.NVVLDEFGSPK.V	1813.032	-0.00231	3	1	27.7	0
P12163_2_F4,17766 R.NVVLDEFGSPK.V	1813.032	0.00597	3	1	31.3	0
P12163_2_S3,15863 R.NVVLDEFGSPK.V	1813.032	0.00147	3	1	27	0
P12163_2_S5,17594 R.NVVLDEFGSPK.V	1813.032	0.00399	3	1	62	0
P12163_1_F4,14471 R.VLVTDQK.I	1410.878	0.01096	2	1	31.1	0
P12163_1_F4,14472 R.VLVTDQK.I	1410.878	0.01154	3	1	33.2	0
P12163_2_F1,13414 R.VLVTDQK.I	1410.878	0.0063	2	1	30.8	0
P12163_2_F1,13420 R.VLVTDQK.I	1410.878	0.00584	3	1	33.3	0
P12163_1_S10,7077 K.AAHGLR.L	928.563	0.00313	3	1	25.7	0
P12163_1_F6,17308 K.ALGIDDPDAAAM*HV	2171.107	0.00491	3	1	69.6	0
P12163_1_F6,18973 K.ALGIDDPDAAAM*HV	2171.107	0.00254	3	1	102	0

P12163_1_F6,19025	K.ALGIDDPDAAAM*HV	2171.107	-0.00093	2	1	35.5	0
P12163_1_F6,19276	K.ALGIDDPDAAAM*HV	2171.107	0.00653	3	1	28.8	0
P12163_2_F4,16082	K.ALGIDDPDAAAM*HV	2171.107	-0.0001	3	1	96.4	0
P12163_1_F5,18848	K.ALGIDDPDAAAMHVE	2155.112	0.00167	3	1	68	0
P12163_1_F6,18958	K.ALGIDDPDAAAMHVE	2155.112	0.00365	3	1	95.7	0
P12163_1_F6,19000	K.ALGIDDPDAAAMHVE	2155.112	0.00138	2	1	71.2	0
P12163_2_F4,17744	K.ALGIDDPDAAAMHVE	2155.112	0.00662	3	1	84.1	0
P12163_1_F6,13679	K.ASEIHHEEIYR.Q	1550.812	0.00255	3	1	30.2	0
P12163_2_F6,12879	K.ASEIHHEEIYR.Q	1550.812	0.00339	3	1	38.4	0
P12163_2_F6,12900	K.ASEIHHEEIYR.Q	1550.812	0.00653	2	1	25.9	0
P12163_2_F7,12320	K.ASEIHHEEIYR.Q	1550.812	0.00033	3	1	37.4	0
P12163_1_F2,15072	K.DAISSGVEGYDGEVK.	2134.112	0.0063	3	1	72.5	0
P12163_1_S1,9133	K.DDLPER.D	1048.558	0.00325	2	1	24.9	0
P12163_2_F6,10837	K.EIVDVHR.G	1171.674	0.00315	3	1	50.5	0
P12163_2_F6,10853	K.EIVDVHR.G	1171.674	0.00162	2	1	33	0
P12163_1_F3,21745	K.GVAQVVEELDK.V	1795.042	0.00547	2	1	72.1	0
P12163_1_F3,21754	K.GVAQVVEELDK.V	1795.042	0.00422	3	1	54.9	0
P12163_1_F4,22557	K.GVAQVVEELDK.V	1795.042	0.00674	3	1	53.3	0
P12163_1_F4,22562	K.GVAQVVEELDK.V	1795.042	0.00785	2	1	71.9	0
P12163_1_F6,20679	K.GVAQVVEELDK.V	1795.042	-0.00013	3	1	54.2	0
P12163_2_F1,21982	K.GVAQVVEELDK.V	1795.042	0.00998	3	1	46.3	0
P12163_2_F1,22019	K.GVAQVVEELDK.V	1795.042	0.00735	2	1	52.3	0
P12163_1_F3,18819	K.IPADLSINAEK.A	1779.047	0.00588	2	1	54.1	0
P12163_1_F4,20350	K.IPFGASITTK.K	1642.999	0.00342	3	1	25.5	0
P12163_1_F4,20351	K.IPFGASITTK.K	1642.999	0.00627	2	1	29.7	0
P12163_1_F4,23524	K.M*AAAIETAVAQGK.L	1885.067	0.00786	3	1	51.9	0
P12163_1_F4,23555	K.MAAAIETAVAQGK.L	1869.072	0.00435	3	1	53.9	0
P12163_1_F4,23562	K.MAAAIETAVAQGK.L	1869.072	0.00429	2	1	74.2	0
P12163_1_F4,23852	K.MAAAIETAVAQGK.L	1869.072	0.01776	3	1	36	0
P12163_1_F6,21600	K.MAAAIETAVAQGK.L	1869.072	0.00201	3	1	43.6	0
P12163_1_F4,15855	K.QVGLPSEYAQK.I	1828.042	-0.00143	3	1	32.6	0
P12163_2_F1,15052	K.QVGLPSEYAQK.I	1828.042	0.00547	3	1	32.1	0
P12163_2_F1,15061	K.QVGLPSEYAQK.I	1828.042	0.00741	2	1	30.5	0
P12163_1_S1,15887	K.VTDSQVEIAIR.D	1534.874	0.00329	2	1	53	0
P12163_1_S1,15891	K.VTDSQVEIAIR.D	1534.874	0.00068	3	1	60.9	0
P12163_1_F2,13211	R.AYVTDSLSGGR.M	1429.759	0.00055	3	1	29.3	0
P12163_1_F2,14380	R.AYVTDSLSGGR.M	1429.759	0.00497	2	1	24.6	0
P12163_1_F9,14446	R.AYVTDSLSGGR.M	1429.759	0.00185	2	1	34.3	0
P12163_1_S1,10193	R.AYVTDSLSGGR.M	1429.759	0.00343	3	1	23.3	0
P12163_1_S1,14154	R.AYVTDSLSGGR.M	1429.759	0.00521	2	1	29	0
P12163_2_F9,13782	R.AYVTDSLSGGR.M	1429.759	0.01113	2	1	24.5	0
P12163_1_F8,11633	R.DVDAEHIVR.L	1357.738	0.00375	3	1	35.8	0
P12163_1_F8,11653	R.DVDAEHIVR.L	1357.738	0.00339	2	1	36	0
P12163_1_F9,11758	R.DVDAEHIVR.L	1357.738	0.00699	3	1	24.7	0
P12163_2_F6,11428	R.DVDAEHIVR.L	1357.738	0.00165	3	1	69.5	0
P12163_1_F4,15080	R.EAAMSIASK.A	1515.866	0.00606	2	1	36.9	0
P12163_1_F5,13704	R.EAAMSIASK.A	1515.866	0.01012	2	1	27.3	0
P12163_2_F1,13968	R.EAAMSIASK.A	1515.866	0.00466	3	1	42.6	0
P12163_1_F3,14762	R.EDIEAIASK.Y	1583.91	0.00536	3	1	35.6	0
P12163_1_F3,16352	R.EDIEAIASK.Y	1583.91	0.00431	3	1	36.4	0
P12163_1_F4,16848	R.EDIEAIASK.Y	1583.91	0.01148	2	1	44.7	0

P12163_1_F4,16860	R.EDIEAIASK.Y	1583.91	0.01325	3	1	31.5	0
P12163_1_F2,19641	R.ESEAIIVDVTSK.V	1899.089	0.00298	3	1	47.3	0
P12163_1_S1,19045	R.ESEAIIVDVTSK.V	1899.089	-0.00044	3	1	26	0
P12163_1_F6,19930	R.FVTSVLPPGGEDLRGD	2738.482	0.00585	3	1	27.4	0
P12163_1_F8,18735	R.GVGPVSLVGGFEFDGDI	2297.271	0.00435	2	1	41	0
P12163_2_F6,18296	R.GVGPVSLVGGFEFDGDI	2297.271	-0.00237	2	1	31.3	0
P12163_1_F4,16740	R.IEQLNEVQK.Q	1709.005	0.00241	3	1	23.5	0
P12163_1_F4,16828	R.IEQLNEVQK.Q	1709.005	0.00484	2	1	39.9	0
P12163_2_F1,15913	R.IEQLNEVQK.Q	1709.005	0.00484	2	1	40.4	0
P12163_2_F1,15914	R.IEQLNEVQK.Q	1709.005	0.00328	3	1	38.5	0
P12163_1_F2,17338	R.LGQAVSGGALEAADS	2082.165	0.00314	2	1	62.6	0
P12163_1_F3,17829	R.LGQAVSGGALEAADS	2082.165	0.00496	2	1	81.5	0
P12163_1_F6,14630	R.LHDYVADCNDPGAVK	2282.17	0.00604	3	1	56.8	0
P12163_1_F6,14657	R.LHDYVADCNDPGAVK	2282.17	0.00619	4	1	47	0
P12163_1_F6,14682	R.LHDYVADCNDPGAVK	2282.17	0.00502	2	1	24.5	0
P12163_1_F7,13892	R.LHDYVADCNDPGAVK	2282.17	0.00133	3	1	47.7	0
P12163_1_F8,14494	R.LHDYVADCNDPGAVK	2282.17	0.00376	2	1	24.8	0
P12163_1_F8,14526	R.LHDYVADCNDPGAVK	2282.17	0.00484	3	1	49.2	0
P12163_1_S1,24102	R.LSDALAEDLFR.E	1553.848	0.00718	2	1	41.5	0
P12163_1_S1,24159	R.LSDALAEDLFR.E	1553.848	0.00233	3	1	49.5	0
P12163_1_S1,24298	R.LSDALAEDLFR.E	1553.848	0.01004	2	1	25.3	0
P12163_1_F3,23157	R.QGVVSSLNDLLACDK.	2227.221	0.01014	3	1	64.2	0
P12163_1_F3,17529	R.QQAEVILADGQLTK.A	2122.233	0.00425	3	1	71.1	0
P12163_1_F3,18696	R.QQAEVILADGQLTK.A	2122.233	0.00427	2	1	79.2	0
P12163_1_F9,11538	R.VVHELAR.N	1127.684	0.00249	3	1	24.8	0
P12163_2_F7,10698	R.VVHELAR.N	1127.684	0.00438	3	1	38.4	0
P12163_2_F10,9222	K.AGYTGK.V ! K.AGYTC	1204.715	0.00586	2	1	25.3	0
P12163_1_F2,21762	K.AVSNVNAIIGPALAGK	2103.275	0.00526	3	1	52.3	0
P12163_1_F2,21817	K.AVSNVNAIIGPALAGK	2103.275	0.00742	4	1	30.5	0
P12163_1_F3,22396	K.AVSNVNAIIGPALAGK	2103.275	0.00397	3	1	66.1	0
P12163_1_F3,22429	K.AVSNVNAIIGPALAGK	2103.275	0.00668	2	1	80.4	0
P12163_1_F3,22630	K.AVSNVNAIIGPALAGK	2103.275	0.01126	3	1	43.7	0
P12163_1_F5,21402	K.AVSNVNAIIGPALAGK	2103.275	0.00244	3	1	32.5	0
P12163_1_F4,6309	K.EENNDGSQK.I ! K.EEN	1628.834	0.00585	2	1	27	0
P12163_1_F5,5479	K.EENNDGSQK.I ! K.EEN	1628.834	0.00855	2	1	39.3	0
P12163_2_F1,5648	K.EENNDGSQK.I ! K.EEN	1628.834	0.00707	2	1	29.9	0
P12163_1_F3,19268	K.EGLELLNTAIAK.A	1880.131	0.00659	3	1	39.8	0
P12163_1_F3,19275	K.EGLELLNTAIAK.A	1880.131	0.00418	2	1	49	0
P12163_1_F3,22664	K.EGLELLNTAIAK.A	1880.131	0.00482	2	1	64.9	0
P12163_1_F3,22668	K.EGLELLNTAIAK.A	1880.131	0.00536	3	1	53.2	0
P12163_1_F4,23475	K.EGLELLNTAIAK.A	1880.131	0.00047	3	1	33.2	0
P12163_1_F5,22006	K.EGLELLNTAIAK.A	1880.131	0.00599	3	1	32.3	0
P12163_1_F5,22029	K.EGLELLNTAIAK.A	1880.131	-0.00208	2	1	39.9	0
P12163_1_F6,21476	K.EGLELLNTAIAK.A	1880.131	0.0017	3	1	40.4	0
P12163_1_S10,2012	K.EGLELLNTAIAK.A	1880.131	0.00497	3	1	24.1	0
P12163_2_S3,18097	K.EGLELLNTAIAK.A	1880.131	-0.00424	3	1	24.3	0
P12163_1_F5,10822	K.HIAELSGNK.N	1576.927	0.00522	2	1	25.7	0
P12163_1_F7,10685	K.HIAELSGNK.N	1576.927	0.00084	3	1	36	0
P12163_1_F9,11702	K.HIAELSGNK.N	1576.927	0.0066	3	1	45.3	0
P12163_1_F9,11703	K.HIAELSGNK.N	1576.927	0.00734	2	1	24.1	0
P12163_1_S10,1208	K.HIAELSGNK.N	1576.927	0.00561	3	1	46.2	0

P12163_1_S10,1215	K.HIAELSGNK.N	1576.927	0.00725	4	1	29.8	0
P12163_2_F4,10811	K.HIAELSGNK.N	1576.927	0.00678	3	1	28	0
P12163_2_F8_12070	K.HIAELSGNK.N	1576.927	0.00506	2	1	33.9	0
P12163_2_F8_12070	K.HIAELSGNK.N	1576.927	0.00505	4	1	49.6	0
P12163_1_F5,12851	K.ISGDALK.D	1311.809	0.00827	3	1	25.3	0
P12163_1_F6,13782	K.ISGDALK.D	1311.809	0.00536	2	1	24.6	0
P12163_2_F1,13164	K.ISGDALK.D	1311.809	0.00572	2	1	25.2	0
P12163_1_F8,15362	K.KYGQDATNVGDEGGF	3364.754	0.01007	4	1	38.7	0
P12163_1_S1,22239	K.LAM*QEFM*ILPVGAS	2509.365	0.00411	3	1	40.4	0
P12163_1_F3,26161	K.LGANAILAVSLAVCK..	2108.272	0.00785	3	1	27.6	0
P12163_1_F4,13961	K.LTSEVGEK.V	1470.862	0.00533	3	1	35.2	0
P12163_1_F4,13984	K.LTSEVGEK.V	1470.862	0.00738	2	1	35.4	0
P12163_1_F5,12534	K.LTSEVGEK.V	1470.862	0.00868	2	1	35.2	0
P12163_1_F5,12557	K.LTSEVGEK.V	1470.862	0.00794	3	1	29.1	0
P12163_1_F7,12159	K.LTSEVGEK.V	1470.862	0.00444	2	1	31.9	0
P12163_2_S5,11881	K.LTSEVGEK.V	1470.862	0.00131	3	1	32.3	0
P12163_1_F4,12675	K.M*GVEVYHHLK.A	1837.025	0.00501	4	1	27.3	0
P12163_1_F6,12204	K.M*GVEVYHHLK.A	1837.025	0.00569	4	1	24	0
P12163_1_F4,15213	K.MGVEVYHHLK.A	1821.03	0.00594	2	1	43.4	0
P12163_1_F4,15219	K.MGVEVYHHLK.A	1821.03	0.00277	4	1	29.9	0
P12163_1_F4,15241	K.MGVEVYHHLK.A	1821.03	0.00555	3	1	29.2	0
P12163_1_F6,14916	K.MGVEVYHHLK.A	1821.03	-0.0006	2	1	39.7	0
P12163_2_F6,14143	K.MGVEVYHHLK.A	1821.03	0.00663	3	1	33.6	0
P12163_2_F6,14151	K.MGVEVYHHLK.A	1821.03	0.00457	4	1	30	0
P12163_2_S3,13288	K.MGVEVYHHLK.A	1821.03	0.00813	4	1	26.4	0
P12163_1_F7,21878	K.NLVLPVPAFNVINGGS	2726.556	0.00604	3	1	61.1	0
P12163_1_F7,21937	K.NLVLPVPAFNVINGGS	2726.556	0.00683	4	1	38.4	0
P12163_2_F9,20019	K.NLVLPVPAFNVINGGS	2726.556	0.00047	4	1	28.6	0
P12163_2_S5,20504	K.NLVLPVPAFNVINGGS	2726.556	0.00515	4	1	34.5	0
P12163_2_S5,20506	K.NLVLPVPAFNVINGGS	2726.556	0.00478	3	1	26.5	0
P12163_2_S5,20572	K.NLVLPVPAFNVINGGS	2726.556	0.01282	5	1	35	0
P12163_2_S5,20712	K.NLVLPVPAFNVINGGS	2726.556	0.01051	4	1	37	0
P12163_1_F9,10519	K.QAGWGVM*ASHR.S	1519.774	0.00131	3	1	45.3	0
P12163_2_F7,9886	K.QAGWGVM*ASHR.S	1519.774	0.00683	3	1	55.4	0
P12163_1_F9,13685	K.QAGWGVMASHR.S	1503.779	0.00239	3	1	43.6	0
P12163_1_F5,16320	K.TCNALLK.V	1540.934	0.00671	3	1	36.7	0
P12163_1_F5,16324	K.TCNALLK.V	1540.934	0.00742	2	1	34.6	0
P12163_2_F1,16701	K.TCNALLK.V	1540.934	0.00338	3	1	37.1	0
P12163_2_F2,1127	K.TCNALLK.V	1540.934	0.00659	3	1	25.2	0
P12163_2_F2,17075	K.TCNALLK.V	1540.934	0.00604	2	1	28.3	0
P12163_2_F2,17084	K.TCNALLK.V	1540.934	0.00413	3	1	26.8	0
P12163_2_F2,17405	K.TCNALLK.V	1540.934	0.00956	2	1	25.1	0
P12163_1_F4,4881	K.TGAPCR.S	965.514	0.00357	3	1	29.3	0
P12163_2_F1,4291	K.TGAPCR.S	965.514	0.00159	3	1	27	0
P12163_2_F1,17133	K.TYDLNFK.E	1508.857	0.00707	3	1	25.4	0
P12163_1_F8,20433	K.VNQIGSVTESIEAVR.M	1906.055	-0.00207	2	1	27.8	0
P12163_1_S1,14656	K.VNQIGSVTESIEAVR.M	1906.055	0.00454	3	1	26.5	0
P12163_1_S1,14910	K.VNQIGSVTESIEAVR.M	1906.055	0.00394	3	1	76.4	0
P12163_1_S1,15159	K.VNQIGSVTESIEAVR.M	1906.055	0.00373	3	1	55.2	0
P12163_1_S1,19454	K.VNQIGSVTESIEAVR.M	1906.055	0.00607	3	1	37	0
P12163_1_S1,19466	K.VNQIGSVTESIEAVR.M	1906.055	0.00063	2	1	44.4	0

P12163_1_S1,19721	K.VNQIGSVTESIEAVR.M	1906.055	0.00154	3	1	92.8	0
P12163_1_S1,19730	K.VNQIGSVTESIEAVR.M	1906.055	0.00513	2	1	66.9	0
P12163_1_F2,21387	K.VQIVGDDLLVTNPK.R	2119.258	0.00816	3	1	39.5	0
P12163_1_F2,21499	K.VQIVGDDLLVTNPK.R	2119.258	0.00314	2	1	70.6	0
P12163_1_F2,21622	K.VQIVGDDLLVTNPK.R	2119.258	0.00912	3	1	48	0
P12163_1_F4,22832	K.VQIVGDDLLVTNPK.R	2119.258	0.00984	3	1	29.4	0
P12163_1_F5,21014	K.VQIVGDDLLVTNPK.R	2119.258	0.00435	3	1	37.4	0
P12163_1_F5,21062	K.VQIVGDDLLVTNPK.R	2119.258	-0.0007	2	1	28	0
P12163_1_F5,21408	K.VQIVGDDLLVTNPK.R	2119.258	0.01095	3	1	29.3	0
P12163_1_F6,21224	K.VQIVGDDLLVTNPK.R	2119.258	-0.00228	3	1	28.4	0
P12163_1_F7,20393	K.VQIVGDDLLVTNPK.R	2119.258	0.00762	3	1	27.1	0
P12163_1_S1,19482	K.VQIVGDDLLVTNPK.R	2119.258	0.00453	3	1	46.4	0
P12163_1_S1,20025	K.VQIVGDDLLVTNPK.R	2119.258	0.00474	2	1	78.1	0
P12163_1_S1,20135	K.VQIVGDDLLVTNPK.R	2119.258	0.00402	4	1	47.3	0
P12163_1_S1,20225	K.VQIVGDDLLVTNPK.R	2119.258	0.00402	3	1	60.6	0
P12163_2_F2,21542	K.VQIVGDDLLVTNPK.R	2119.258	-0.00036	3	1	39	0
P12163_2_F4,19892	K.VQIVGDDLLVTNPK.R	2119.258	0.00939	3	1	35.1	0
P12163_2_F4,15359	K.YGQDATNVGDEGGFA	2932.453	0.01345	3	1	23.5	0
P12163_1_F4,17483	M.AITITAVK.A	1424.93	0.00579	2	1	34.9	0
P12163_1_F4,17515	M.AITITAVK.A	1424.93	0.00598	3	1	38.2	0
P12163_1_F7,15329	M.AITITAVK.A	1424.93	-0.0047	3	1	44.4	0
P12163_2_F1,16685	M.AITITAVK.A	1424.93	0.00568	3	1	40.5	0
P12163_2_F1,16712	M.AITITAVK.A	1424.93	0.00693	2	1	36.8	0
P12163_2_F2,2270	M.AITITAVK.A	1424.93	-0.00026	3	1	25.5	0
P12163_2_F2,2415	M.AITITAVK.A	1424.93	0.00039	2	1	42.6	0
P12163_2_F2,2446	M.AITITAVK.A	1424.93	0.00514	3	1	36.8	0
P12163_2_F2,2596	M.AITITAVK.A	1424.93	0.00051	2	1	29.1	0
P12163_2_F2,2616	M.AITITAVK.A	1424.93	0.00142	3	1	22.7	0
P12163_2_F2,2773	M.AITITAVK.A	1424.93	0.00415	3	1	32.1	0
P12163_2_S5,14465	M.AITITAVK.A	1424.93	-0.00461	3	1	22.8	0
P12163_1_F8,22191	R.AAVPSGASTGIYEALE	2109.149	0.00587	3	1	52.5	0
P12163_1_F4,12824	R.DGGSDYLK.G	1519.821	0.00924	2	1	27	0
P12163_1_F4,12853	R.DGGSDYLK.G	1519.821	0.00901	3	1	29.7	0
P12163_1_F9,12328	R.DGGSDYLK.G	1519.821	0.00936	2	1	32.9	0
P12163_2_F8_12070	R.DGGSDYLK.G	1519.821	0.00656	2	1	39.3	0
P12163_1_F7,12793	R.GNPTVEVDVTTSDGH'	2158.104	0.00573	3	1	72.4	0
P12163_1_F7,13020	R.GNPTVEVDVTTSDGH'	2158.104	0.01317	3	1	39.4	0
P12163_2_F10,1219'	R.GNPTVEVDVTTSDGH'	2158.104	0.00414	3	1	63.9	0
P12163_2_F4,12374	R.GNPTVEVDVTTSDGH'	2158.104	0.00276	3	1	55.3	0
P12163_2_S5,12297	R.GNPTVEVDVTTSDGH'	2158.104	0.00135	3	1	24.4	0
P12163_2_S5,12343	R.GNPTVEVDVTTSDGH'	2158.104	0.00058	2	1	75	0
P12163_1_F2,20570	R.IEEELGAEAVYAGAK.I	2158.185	0.00376	2	1	81.3	0
P12163_1_F2,20593	R.IEEELGAEAVYAGAK.I	2158.185	0.00447	3	1	37.3	0
P12163_1_F3,21153	R.IEEELGAEAVYAGAK.I	2158.185	0.00658	2	1	92.6	0
P12163_1_F3,21208	R.IEEELGAEAVYAGAK.I	2158.185	0.00537	3	1	36.6	0
P12163_1_F7,19544	R.IEEELGAEAVYAGAK.I	2158.185	0.00696	3	1	33	0
P12163_1_F8,20513	R.IEEELGAEAVYAGAK.I	2158.185	0.00111	3	1	38.9	0
P12163_2_F6,20143	R.IEEELGAEAVYAGAK.I	2158.185	0.00291	3	1	39.3	0
P12163_1_F7,13295	K.AAGHETIVLAGAEYGS	2237.146	-0.00366	3	1	27	0
P12163_1_F7,14495	K.AAGHETIVLAGAEYGS	2237.146	0.00378	2	1	47.3	0
P12163_1_F8,15127	K.AAGHETIVLAGAEYGS	2237.146	-0.00333	3	1	49.2	0

P12163_2_F10,1403	K.AAGHETIVLAGAEYGS	2237.146	0.00261	3	1	64.1	0
P12163_2_F4,14131	K.AAGHETIVLAGAEYGS	2237.146	0.00177	3	1	43.2	0
P12163_2_S5,14270	K.AAGHETIVLAGAEYGS	2237.146	0.00399	3	1	63.8	0
P12163_2_F6,17379	K.ADWHACLENQVGFK.I	2283.18	0.00489	4	1	25.9	0
P12163_1_S1,23608	K.FFSLPALNDPR.I	1580.874	0.00185	3	1	46.3	0
P12163_1_S1,23631	K.FFSLPALNDPR.I	1580.874	0.00359	2	1	57.9	0
P12163_1_F6,16590	K.FSFHGQPAELK.H	1869.048	0.00682	3	1	23.2	0
P12163_2_F6,15944	K.FSFHGQPAELK.H	1869.048	0.00589	3	1	27.8	0
P12163_2_F6,15948	K.FSFHGQPAELK.H	1869.048	0.00292	2	1	38.3	0
P12163_2_F1,16390	K.GPM*LLGVK.A	1438.891	0.00565	3	1	24	0
P12163_1_F4,19495	K.GPMLLGVK.A	1422.896	0.00937	2	1	33.4	0
P12163_1_F4,19501	K.GPMLLGVK.A	1422.896	0.00907	3	1	38.2	0
P12163_1_F5,18415	K.GPMLLGVK.A	1422.896	0.00418	3	1	28.7	0
P12163_1_F7,17285	K.GPMLLGVK.A	1422.896	0.00562	3	1	29.4	0
P12163_1_S10,8561	K.HGVVVGK.F	1204.762	0.00783	3	1	24.9	0
P12163_2_F1,19654	K.IASMAPENAFK.G	1786.998	0.0043	3	1	31.2	0
P12163_2_F1,19671	K.IASMAPENAFK.G	1786.998	0.00494	2	1	36.5	0
P12163_2_F1,19709	K.IIDWENTSPK.Q	1811.016	0.0055	2	1	45.2	0
P12163_2_F1,19735	K.IIDWENTSPK.Q	1811.016	0.00503	3	1	35	0
P12163_2_F1,21213	K.ILLESAIR.N ! R.ILLES/	1218.772	0.00386	2	1	24.5	0
P12163_1_F4,17461	K.LLNGEVGPK.T	1534.941	0.00706	2	1	32	0
P12163_1_F4,17471	K.LLNGEVGPK.T	1534.941	0.00476	3	1	38.3	0
P12163_1_F5,16162	K.LLNGEVGPK.T	1534.941	0.00746	2	1	37.6	0
P12163_1_F5,16182	K.LLNGEVGPK.T	1534.941	0.00515	3	1	36.2	0
P12163_1_F6,16731	K.LLNGEVGPK.T	1534.941	0.01202	2	1	26.8	0
P12163_1_F7,15384	K.LLNGEVGPK.T	1534.941	0.00192	2	1	31.9	0
P12163_2_F1,16641	K.LLNGEVGPK.T	1534.941	0.00408	2	1	31.7	0
P12163_1_F2,23674	K.LYVFDAAM*R.Y	1405.745	0.0034	2	1	27.1	0
P12163_1_S1,16649	K.MFVDYNEPEQER.S	1860.874	-0.00065	3	1	52.5	0
P12163_2_F6,12798	K.NMTMEPPGPHGVK.D	2003.066	0.00781	3	1	32.2	0
P12163_2_F6,16182	K.QVEIPFKPAR.V	1793.089	0.00682	2	1	25.6	0
P12163_2_F6,16262	K.QVEIPFKPAR.V	1793.089	0.0048	3	1	38.4	0
P12163_2_F7,14980	K.QVEIPFKPAR.V	1793.089	0.00531	3	1	38.2	0
P12163_1_F4,13574	K.STYEAITK.G	1520.878	0.01182	2	1	39.1	0
P12163_1_F4,13587	K.STYEAITK.G	1520.878	0.00608	3	1	36.3	0
P12163_1_F5,12147	K.STYEAITK.G	1520.878	0.01061	3	1	31.6	0
P12163_1_F9,13025	K.STYEAITK.G	1520.878	0.00516	2	1	26.9	0
P12163_1_F9,13054	K.STYEAITK.G	1520.878	0.00425	3	1	24.8	0
P12163_2_F1,12527	K.STYEAITK.G	1520.878	0.01038	2	1	31.7	0
P12163_2_F1,12528	K.STYEAITK.G	1520.878	0.00566	3	1	36	0
P12163_2_S5,11779	K.STYEAITK.G	1520.878	0.00047	3	1	28	0
P12163_1_F3,12729	K.TSLAPGSGVVTK.Y	1725.037	0.00679	3	1	28.7	0
P12163_1_F3,14623	K.TSLAPGSGVVTK.Y	1725.037	0.00595	2	1	49.3	0
P12163_1_F4,13159	K.TSLAPGSGVVTK.Y	1725.037	0.00391	3	1	40.9	0
P12163_1_F4,13214	K.TSLAPGSGVVTK.Y	1725.037	0.00617	2	1	41.1	0
P12163_1_F4,14929	K.TSLAPGSGVVTK.Y	1725.037	0.00037	2	1	40.9	0
P12163_2_F1,14052	K.TSLAPGSGVVTK.Y	1725.037	0.0052	3	1	54.1	0
P12163_2_F7,11544	K.TVHIPTGEK.L	1589.947	0.0001	3	1	25.9	0
P12163_1_F7,15133	K.VSEIRPGQDITVTTDTC	2525.403	0.00461	4	1	23.2	0
P12163_1_F7,15152	K.VSEIRPGQDITVTTDTC	2525.403	0.00691	3	1	22.3	0
P12163_2_S5,14499	K.VSEIRPGQDITVTTDTC	2525.403	0.00496	3	1	42.7	0

P12163_1_F5,14187	K.YLQQSGLQK.Y	1672.984	0.00374	2	1	41	0
P12163_2_F1,14380	K.YLQQSGLQK.Y	1672.984	0.00409	2	1	40.9	0
P12163_2_F2,14963	K.YLQQSGLQK.Y	1672.984	0.005	2	1	37.2	0
P12163_2_F2,14973	K.YLQQSGLQK.Y	1672.984	0.00682	3	1	22.5	0
P12163_1_F2,16800	R.IAAPVLER.F	1172.73	0.0026	2	1	28.6	0
P12163_1_F5,12044	R.NCDNFQVTK.D	1733.91	0.01492	2	1	42.3	0
P12163_2_F1,12449	R.NCDNFQVTK.D	1733.91	0.00654	2	1	29.7	0
P12163_2_F1,12460	R.NCDNFQVTK.D	1733.91	0.00371	3	1	27.4	0
P12163_1_S10,8185	R.RGNDEVMAR.G	1351.705	0.0094	3	1	35.6	0
P12163_1_S10,8197	R.RGNDEVMAR.G	1351.705	0.00945	2	1	35.8	0
P12163_2_F8_12070	R.RGNDEVMAR.G	1351.705	0.00379	2	1	32.8	0
P12163_1_F9,8784	R.VHPLTR.A	1026.636	0.00112	3	1	22.2	0
P12163_1_S10,9421	R.VHPLTR.A	1026.636	0.00382	3	1	24.8	0
P12163_2_F10,8793	R.VHPLTR.A	1026.636	0.00223	3	1	24.3	0
P12163_1_F9,16724	R.YTINLPNK.V	1570.941	0.00485	2	1	26.9	0
P12163_2_F1,17100	R.YTINLPNK.V	1570.941	0.0063	3	1	22.2	0
P12163_1_F5,21256	K.GVPYSISI.-	1139.661	0.00418	2	1	52.8	0
P12163_2_F2,21781	K.GVPYSISI.-	1139.661	0.00252	2	1	45.5	0
P12163_1_F9,20324	K.HEPWVPLK.T	1800.042	0.00586	3	1	27.2	0
P12163_2_F9,19367	K.HEPWVPLK.T	1800.042	0.00388	3	1	30.8	0
P12163_1_S1,24641	K.LM*ELEGIIDAR.N	1579.867	0.0024	3	1	27	0
P12163_1_S1,24760	K.LM*ELEGIIDAR.N	1579.867	0.00413	2	1	43.7	0
P12163_1_S1,24816	K.LM*ELEGIIDAR.N	1579.867	0.00294	3	1	76.5	0
P12163_1_S1,24941	K.LM*ELEGIIDAR.N	1579.867	0.00405	2	1	30.5	0
P12163_1_S1,25002	K.LM*ELEGIIDAR.N	1579.867	0.00498	3	1	60.4	0
P12163_1_F2,18986	K.LYLPSQTPDGLK.R	1940.131	-0.00073	3	1	42.8	0
P12163_1_F3,19575	K.LYLPSQTPDGLK.R	1940.131	0.00709	2	1	39.6	0
P12163_2_F7,16994	K.LYLPSQTPDGLK.R	1940.131	0.00433	2	1	37.2	0
P12163_1_F5,14236	K.QLTFSAK.T	1402.851	0.01111	2	1	26.9	0
P12163_1_S10,1325	K.REGNFYVPR.D	1441.785	0.00309	3	1	28	0
P12163_1_F3,28998	K.SLLELVSAELDPK.T	2135.278	0.0047	3	1	35	0
P12163_1_F3,10291	K.STIQDYAR.K	1257.674	0.00283	3	1	37	0
P12163_1_F3,12287	K.STIQDYAR.K	1257.674	0.00368	2	1	24.2	0
P12163_1_F7,22147	K.STLDPEIYGPPESAITTI	3011.628	0.00251	3	1	38.7	0
P12163_1_F3,19172	K.YSMEFSSVAYDK.Q	2035.03	0.01019	2	1	44.1	0
P12163_1_F4,19766	K.YSMEFSSVAYDK.Q	2035.03	0.00288	3	1	43.6	0
P12163_1_F4,19772	K.YSMEFSSVAYDK.Q	2035.03	0.00817	2	1	39.6	0
P12163_2_F9,17425	K.YSMEFSSVAYDK.Q	2035.03	0.00996	3	1	31	0
P12163_1_F2,14975	R.AEELTILR.G	1248.746	-0.00018	3	1	23.3	0
P12163_1_F4,11765	R.CDTDQFSEK.R	1737.857	0.00431	2	1	36.8	0
P12163_2_F1,10993	R.CDTDQFSEK.R	1737.857	0.00871	2	1	39	0
P12163_1_F4,15098	R.DEAFSEVK.Q	1532.842	0.00621	2	1	40	0
P12163_1_F4,15169	R.DEAFSEVK.Q	1532.842	0.00552	3	1	33.1	0
P12163_1_F5,13870	R.DEAFSEVK.Q	1532.842	0.00564	3	1	36	0
P12163_1_F3,7756	R.DEEFSR.N ! R.DEEFSR.	1086.537	0.00423	3	1	24.7	0
P12163_1_F2,17904	R.EDPVINAAFEK.F	1841.026	0.00407	3	1	44.7	0
P12163_1_F3,18384	R.EDPVINAAFEK.F	1841.026	0.01193	3	1	40.9	0
P12163_1_F3,18397	R.EDPVINAAFEK.F	1841.026	0.00408	2	1	43.7	0
P12163_1_F6,17582	R.EDPVINAAFEK.F	1841.026	-0.00025	3	1	41.7	0
P12163_1_S10,1499	R.EGNFYVPR.D	1285.684	0.00328	2	1	25.3	0
P12163_1_F7,14099	R.GLAVEDPSAPHGLK.L	1999.143	0.00399	3	1	45.5	0

P12163_1_F8,14720	R.GLAVEDPSAPHGLK.L	1999.143	0.00294	3	1	50.8	0
P12163_1_F8,14733	R.GLAVEDPSAPHGLK.L	1999.143	0.00377	2	1	61.5	0
P12163_1_F8,14750	R.GLAVEDPSAPHGLK.L	1999.143	0.00553	4	1	37.5	0
P12163_2_F6,14198	R.GLAVEDPSAPHGLK.L	1999.143	0.00189	3	1	40.7	0
P12163_2_F6,14206	R.GLAVEDPSAPHGLK.L	1999.143	0.00861	2	1	41.7	0
P12163_2_S5,13651	R.GLAVEDPSAPHGLK.L	1999.143	0.00365	4	1	29.1	0
P12163_1_F4,24470	R.LITEWPLK.S	1607.998	-0.00163	3	1	22.3	0
P12163_2_F1,23774	R.LITEWPLK.S	1607.998	0.00138	2	1	31.7	0
P12163_2_F1,23847	R.LITEWPLK.S	1607.998	0.00455	3	1	22.1	0
P12163_1_F9,16960	R.LLDPHFR.Y	1201.699	0.00343	3	1	39.1	0
P12163_1_F9,17232	R.LLDPHFR.Y	1201.699	0.00142	3	1	26.7	0
P12163_1_F9,18124	R.LLDPHFR.Y	1201.699	0.00541	3	1	23.7	0
P12163_2_F7,15187	R.LLDPHFR.Y	1201.699	0.0037	3	1	31.5	0
P12163_1_F2,22001	R.QALVNADGHISSFSPG	2441.35	0.00333	3	1	68.6	0
P12163_1_F6,13238	R.QLSVM*HPIYR.L	1563.862	0.00189	3	1	33.6	0
P12163_1_F6,16087	R.QLSVMHPIYR.L	1547.867	0.00171	3	1	41	0
P12163_1_F6,16104	R.QLSVMHPIYR.L	1547.867	0.00112	2	1	30.7	0
P12163_1_F8,15978	R.QLSVMHPIYR.L	1547.867	0.00321	3	1	67.7	0
P12163_2_F6,15403	R.QLSVMHPIYR.L	1547.867	0.00312	3	1	48.9	0
P12163_2_F6,15427	R.QLSVMHPIYR.L	1547.867	-0.00028	2	1	30.2	0
P12163_2_S3,13965	R.QLSVMHPIYR.L	1547.867	0.003	3	1	28.9	0
P12163_2_S5,14981	R.QLSVMHPIYR.L	1547.867	0.00156	3	1	25.6	0
P12163_1_F2,19210	R.QTLAGLNYPYSIR.L	1636.932	0.00359	2	1	30.5	0
P12163_1_F7,12268	R.THCCTEPYVIATNR.Q	2025.979	0.00654	3	1	38.5	0
P12163_2_F9,12114	R.THCCTEPYVIATNR.Q	2025.979	-0.00111	3	1	35.5	0
P12163_1_F9,17088	R.YRAEELTILR.G	1567.911	0.00835	2	1	36.2	0
P12163_1_F9,17090	R.YRAEELTILR.G	1567.911	0.00403	3	1	37.4	0
P12163_1_F3,13379	K.AVSISEPTSETK.S	1857.042	0.00917	2	1	53	0
P12163_1_F3,13412	K.AVSISEPTSETK.S	1857.042	0.00274	3	1	27.2	0
P12163_1_F2,17070	K.AYFEEYDYR.V	1559.732	0.00795	2	1	33.3	0
P12163_1_F3,17558	K.AYFEEYDYR.V	1559.732	0.00733	2	1	26	0
P12163_1_F9,16865	K.AYFEEYDYR.V	1559.732	0.00229	2	1	28	0
P12163_1_F3,12720	K.EIVGTVDGVK.I	1624.973	0.00311	2	1	24.1	0
P12163_1_F8,17710	K.INHVNEVVESEVPLE:	2627.45	0.00494	3	1	41.5	0
P12163_2_S5,16096	K.INHVNEVVESEVPLE:	2627.45	0.00527	3	1	48.7	0
P12163_1_F7,15614	K.ISNAEVTLEAEEGHR.F	1959.008	0.00583	3	1	40.9	0
P12163_1_F8,16332	K.ISNAEVTLEAEEGHR.F	1959.008	0.00094	3	1	32.6	0
P12163_2_S5,15622	K.ISNAEVTLEAEEGHR.F	1959.008	0.00415	3	1	32	0
P12163_1_F4,18650	K.LEDQIALGK.R	1594.962	0.00666	2	1	45.8	0
P12163_1_F4,18667	K.LEDQIALGK.R	1594.962	0.00401	3	1	35.8	0
P12163_1_F2,19598	K.LGENGSSM*AGFDIQN	2448.265	0.00522	3	1	30.1	0
P12163_2_F7,10727	K.LHTAESAEVSK.I	1780.006	0.00523	3	1	45.3	0
P12163_1_F2,10586	K.NFESPTNEDAR.T	1583.76	0.00194	2	1	32	0
P12163_1_F5,11611	K.NLGLGDNNSK.I	1768.965	0.0145	2	1	32.2	0
P12163_1_F4,20659	K.SATINSIFGEEK.T ! K.S	1904.058	0.00532	3	1	43.2	0
P12163_1_F4,20688	K.SATINSIFGEEK.T ! K.S	1904.058	0.00563	2	1	62.2	0
P12163_2_F1,20044	K.SATINSIFGEEK.T ! K.S	1904.058	-0.0011	2	1	52.8	0
P12163_2_F1,7223	K.SSGVEQGVNR.K	1336.712	0.00213	2	1	33.3	0
P12163_1_F7,14179	K.TSIHAFEPGTTSVK.E	2083.164	0.00504	3	1	29.6	0
P12163_1_F3,16849	K.VILDEGSVK.Q	1567.952	0.00334	2	1	40.6	0
P12163_1_F4,17347	K.VILDEGSVK.Q	1567.952	0.00504	3	1	30	0

P12163_1_S1,21022	R.DLNDLPLLR.S	1372.81	0.00177	3	1	49.1	0
P12163_1_F3,19472	R.FPAAVTVQVTK.D	1769.078	0.00556	3	1	34.3	0
P12163_1_F3,19496	R.FPAAVTVQVTK.D	1769.078	0.00712	2	1	38.3	0
P12163_1_F3,14470	R.LATGGETETNLSEEEK	2316.203	0.00791	3	1	28.3	0
P12163_1_F7,13450	R.LENEQTIVSAHSEK.L	2193.197	0.00522	3	1	49.1	0
P12163_1_F6,21249	R.LGYSPEDSLVGQVLHF	2074.123	0.0028	3	1	46.5	0
P12163_1_F7,20379	R.LGYSPEDSLVGQVLHF	2074.123	0.00235	3	1	87.7	0
P12163_2_F10,1879	R.LGYSPEDSLVGQVLHF	2074.123	0.00421	3	1	67.6	0
P12163_2_S5,19802	R.LGYSPEDSLVGQVLHF	2074.123	0.00475	3	1	74	0
P12163_1_F6,21396	R.LM*NPSLM*NPVSLVE	2615.305	0.00391	3	1	28.6	0
P12163_1_F6,23070	R.LM*NPSLM*NPVSLVE	2615.305	-0.00008	3	1	50.2	0
P12163_1_F6,21340	R.LM*NPSLMNPVSLVEN	2599.31	0.00328	3	1	53.9	0
P12163_1_F2,17789	R.LMLVGSTGTIR.S	1451.856	0.00045	3	1	32.1	0
P12163_1_F6,20698	R.LMNPSLM*NPVSLVEN	2599.31	0.00103	3	1	43.9	0
P12163_1_F6,23051	R.LMNPSLM*NPVSLVEN	2599.31	-0.00959	3	1	29.4	0
P12163_1_F3,19437	R.QTGQLFSLDAAK.T	1887.08	0.01247	3	1	22.2	0
P12163_1_F7,17509	R.SHVVQQSIGQAVGDLI	1998.103	0.00515	3	1	29.8	0
P12163_2_F1,16212	R.VIDTPGLK.S	1450.909	0.00491	2	1	26	0
P12163_1_F4,11134	K.AHSLGLR.V	1057.642	0.0057	3	1	26.8	0
P12163_1_S10,1118	K.AHSLGLR.V	1057.642	0.00325	2	1	25.4	0
P12163_2_F8_12070	K.AHSLGLR.V	1057.642	0.003	3	1	27.1	0
P12163_1_F4,15984	K.CISYAESHDAQAIVGDK	2401.228	0.00824	3	1	40.3	0
P12163_1_F6,15300	K.CISYAESHDAQAIVGDK	2401.228	0.00626	3	1	26.2	0
P12163_1_F7,14407	K.CISYAESHDAQAIVGDK	2401.228	0.00347	3	1	28.6	0
P12163_1_F8,15084	K.CISYAESHDAQAIVGDK	2401.228	0.0059	3	1	44.5	0
P12163_2_F4,14088	K.CISYAESHDAQAIVGDK	2401.228	0.00101	3	1	44.5	0
P12163_2_F6,14569	K.CISYAESHDAQAIVGDK	2401.228	0.00404	3	1	44.6	0
P12163_2_F6,14590	K.CISYAESHDAQAIVGDK	2401.228	0.00606	4	1	27.9	0
P12163_2_F8_12070	K.CISYAESHDAQAIVGDK	2401.228	0.0104	3	1	36.5	0
P12163_2_F8_12070	K.CISYAESHDAQAIVGDK	2401.228	0.00774	4	1	26.8	0
P12163_1_F5,13985	K.DEEWSMK.E	1532.787	0.00601	2	1	25.8	0
P12163_1_F2,10640	K.EISQSLTNR.R	1351.748	0.00523	3	1	29.4	0
P12163_1_F2,12561	K.EISQSLTNR.R	1351.748	0.00356	2	1	25	0
P12163_1_F3,11073	K.EISQSLTNR.R	1351.748	0.00221	3	1	44.9	0
P12163_1_F9,12702	K.EISQSLTNR.R	1351.748	0.00052	2	1	24.4	0
P12163_1_S10,1940	K.GYLEFGFNR.E	1406.737	0.0003	3	1	23.8	0
P12163_2_F8_12070	K.GYLEFGFNR.E	1406.737	0.00183	3	1	33.5	0
P12163_2_F8_12070	K.GYLEFGFNR.E	1406.737	0.00336	2	1	29.8	0
P12163_1_F9,11737	K.HDGVFIDR.I	1262.679	0.00301	3	1	40.4	0
P12163_1_F9,11802	K.HDGVFIDR.I	1262.679	0.00285	2	1	25.5	0
P12163_1_S10,1235	K.HDGVFIDR.I	1262.679	0.00313	3	1	25.4	0
P12163_2_F6,11815	K.HDGVFIDR.I	1262.679	0.00277	3	1	36.3	0
P12163_2_F9,11212	K.HDGVFIDR.I	1262.679	0.00466	3	1	28.4	0
P12163_1_F7,12902	K.HEGGLEEFAK.G	1724.943	0.00145	3	1	32.8	0
P12163_1_F9,13855	K.HEGGLEEFAK.G	1724.943	0.00625	3	1	41.3	0
P12163_1_F9,13861	K.HEGGLEEFAK.G	1724.943	0.00623	2	1	37.2	0
P12163_2_F9,13250	K.HEGGLEEFAK.G	1724.943	0.00724	3	1	38.3	0
P12163_2_F9,13310	K.HEGGLEEFAK.G	1724.943	0.00426	4	1	27.3	0
P12163_1_F3,11221	K.QIVSSTNEEDK.V	1858.001	0.00027	2	1	27.8	0
P12163_1_F4,11620	K.QIVSSTNEEDK.V	1858.001	0.00491	2	1	46.6	0
P12163_1_F4,11639	K.QIVSSTNEEDK.V	1858.001	0.00439	3	1	59.6	0

P12163_2_F1,10815	K.QIVSSTNEEDK.V	1858.001	0.00621	2	1	45.1	0
P12163_1_F7,17309	K.QIVSSTNEEDKVIVFEF	2601.434	0.00338	3	1	27.4	0
P12163_1_F8,18052	K.QIVSSTNEEDKVIVFEF	2601.434	0.00472	4	1	39.6	0
P12163_2_S5,16714	K.QIVSSTNEEDKVIVFEF	2601.434	0.00416	3	1	29.5	0
P12163_2_S5,16732	K.QIVSSTNEEDKVIVFEF	2601.434	0.00504	4	1	41.1	0
P12163_2_S5,16787	K.QIVSSTNEEDKVIVFEF	2601.434	0.00641	2	1	47.9	0
P12163_1_F3,18832	K.VIVFER.G ! R.VIVFER.	1066.656	0.0016	2	1	29.2	0
P12163_2_F1,18396	K.VIVFER.G ! R.VIVFER.	1066.656	0.00272	2	1	26.1	0
P12163_2_F2,204	K.VIVFER.G ! R.VIVFER.	1066.656	0.00284	2	1	28.9	0
P12163_1_F2,7904	K.YATVDSSR.F	1202.632	0.00395	3	1	33.8	0
P12163_1_F3,7955	K.YATVDSSR.F	1202.632	0.00357	2	1	24.2	0
P12163_1_F3,7958	K.YATVDSSR.F	1202.632	0.00296	3	1	39	0
P12163_1_F2,11421	R.EDGGIVYR.E	1212.653	0.00337	2	1	30	0
P12163_1_F3,11833	R.EDGGIVYR.E	1212.653	0.00295	2	1	28.3	0
P12163_1_F4,12125	R.EDGGIVYR.E	1212.653	0.00549	2	1	25	0
P12163_1_S1,11169	R.EDGGIVYR.E	1212.653	0.00129	2	1	29.2	0
P12163_2_F9,11156	R.EDGGIVYR.E	1212.653	0.00343	2	1	40.7	0
P12163_1_S1,16798	R.EFADDVLPR.I	1365.732	0.00605	3	1	54.5	0
P12163_1_S1,16843	R.EFADDVLPR.I	1365.732	0.00179	2	1	34.8	0
P12163_1_S1,17017	R.EFADDVLPR.I	1365.732	0.00443	3	1	73.1	0
P12163_1_S1,17067	R.EFADDVLPR.I	1365.732	0.00339	2	1	35	0
P12163_1_F5,12872	R.EGNEWSYEK.C	1749.89	0.00563	2	1	24.8	0
P12163_2_F1,13219	R.EGNEWSYEK.C	1749.89	0.00347	2	1	32.3	0
P12163_2_F2,13652	R.EGNEWSYEK.C	1749.89	0.00785	2	1	36.7	0
P12163_2_F2,13664	R.EGNEWSYEK.C	1749.89	0.00761	3	1	28.2	0
P12163_1_F8,21088	R.FGAPYDGVYWDPPPSI	2257.087	0.00201	2	1	28.2	0
P12163_2_F6,20757	R.FGAPYDGVYWDPPPSI	2257.087	0.00239	2	1	35.7	0
P12163_1_F7,11061	R.GITLHK.M	1276.82	0.00199	3	1	23.2	0
P12163_1_F9,12256	R.GITLHK.M	1276.82	0.00466	3	1	28.3	0
P12163_2_F4,11329	R.GITLHK.M	1276.82	0.00649	3	1	30.1	0
P12163_2_F8_12070	R.GITLHK.M	1276.82	0.00952	3	1	27.9	0
P12163_2_F9,11331	R.GITLHK.M	1276.82	0.0076	3	1	27.7	0
P12163_1_F5,20218	R.IPAWIK.Y	1335.861	0.00674	3	1	24.1	0
P12163_1_F7,11657	R.IYEAHVGM*SSSEPR.V	1882.927	0.00185	3	1	26.6	0
P12163_1_F7,13615	R.IYEAHVGM*SSSEPR.V	1882.927	0.00053	3	1	23.2	0
P12163_1_F8,12192	R.IYEAHVGM*SSSEPR.V	1882.927	0.00206	3	1	27.4	0
P12163_2_F4,11288	R.IYEAHVGM*SSSEPR.V	1882.927	0.00557	3	1	29.1	0
P12163_2_F6,11916	R.IYEAHVGM*SSSEPR.V	1882.927	-0.0019	3	1	29.4	0
P12163_1_F4,14830	R.IYEAHVGMSSSEPR.V	1866.932	0.00137	2	1	43	0
P12163_1_F6,14374	R.IYEAHVGMSSSEPR.V	1866.932	-0.00053	2	1	25.1	0
P12163_1_F7,13624	R.IYEAHVGMSSSEPR.V	1866.932	0.00561	2	1	37.8	0
P12163_2_F4,13202	R.IYEAHVGMSSSEPR.V	1866.932	0.00463	2	1	47.1	0
P12163_2_F4,13205	R.IYEAHVGMSSSEPR.V	1866.932	0.00152	3	1	30.8	0
P12163_2_F6,13640	R.IYEAHVGMSSSEPR.V	1866.932	-0.00181	2	1	46.4	0
P12163_2_F6,13649	R.IYEAHVGMSSSEPR.V	1866.932	0.00227	3	1	42.5	0
P12163_2_F9,13353	R.IYEAHVGMSSSEPR.V	1866.932	0.00446	3	1	38.6	0
P12163_1_S1,13955	R.LAM*AIPDR.W	1206.682	0.0022	2	1	24.8	0
P12163_1_F6,15852	R.RQWNLVDADHLR.Y	1826.993	0.0041	4	1	39.1	0
P12163_1_F4,10303	R.SGTPEDLK.Y	1454.831	-0.00003	3	1	22.6	0
P12163_1_F8,10559	R.SGTPEDLK.Y	1454.831	0.00117	2	1	34.7	0
P12163_2_F1,10830	R.SGTPEDLK.Y	1454.831	0.00759	3	1	30.3	0

P12163_1_F8,11047 R.VEESQEGHNNSEPVN\	2689.364	0.00993	3	1	35.8	0
P12163_1_F6,18173 R.VGHNIDHFTSPEGIPG\	3627.799	0.00381	4	1	23.7	0
P12163_2_F6,17701 R.VGHNIDHFTSPEGIPG\	3627.799	0.00085	4	1	25.2	0
P12163_1_S1,15677 K.ADLVNNLGTIAR.S	1560.901	0.0024	3	1	41.2	0
P12163_1_S1,15932 K.ADLVNNLGTIAR.S	1560.901	-0.00255	3	1	41.6	0
P12163_1_S1,18650 K.ADLVNNLGTIAR.S	1560.901	0.0055	2	1	28.9	0
P12163_1_S1,18878 K.ADLVNNLGTIAR.S	1560.901	-0.0034	2	1	40.5	0
P12163_1_S1,19114 K.ADLVNNLGTIAR.S	1560.901	0.00182	2	1	36.1	0
P12163_1_F4,21560 K.AILFVPK.R	1395.918	0.00574	3	1	42.1	0
P12163_1_F4,21583 K.AILFVPK.R	1395.918	0.00778	2	1	31.5	0
P12163_1_F4,23061 K.AILFVPK.R	1395.918	0.00224	2	1	31.2	0
P12163_1_F4,23098 K.AILFVPK.R	1395.918	0.00601	3	1	33.4	0
P12163_1_F5,20549 K.AILFVPK.R	1395.918	0.0048	2	1	29.9	0
P12163_2_F1,20890 K.AILFVPK.R	1395.918	0.00511	3	1	33.3	0
P12163_2_F1,21097 K.AILFVPK.R	1395.918	0.00696	2	1	32	0
P12163_2_F1,21126 K.AILFVPK.R	1395.918	0.00616	3	1	31	0
P12163_2_F2,14 K.AILFVPK.R	1395.918	0.0054	2	1	25.9	0
P12163_1_F4,14725 K.AVENSPFLEK.L	1741.994	-0.00158	3	1	23.7	0
P12163_1_F4,25617 K.CIELFQEIAENK.E	2102.141	0.00483	3	1	48.2	0
P12163_1_F2,16944 K.EDQLEYLEER.R	1627.812	-0.00283	2	1	29.8	0
P12163_1_F9,16746 K.EDQLEYLEER.R	1627.812	0.00919	2	1	43.2	0
P12163_1_S1,16825 K.EDQLEYLEER.R	1627.812	0.00677	2	1	45.5	0
P12163_2_F2,16794 K.EDQLEYLEER.R	1627.812	-0.00059	2	1	33.3	0
P12163_1_F5,16301 K.EEYAAFYK.S	1628.878	0.00586	3	1	27.4	0
P12163_2_F1,16598 K.EEYAAFYK.S	1628.878	0.00366	3	1	29.5	0
P12163_2_F1,16609 K.EEYAAFYK.S	1628.878	0.00431	2	1	27.9	0
P12163_2_F8_12070 K.EEYAAFYK.S	1628.878	0.00832	3	1	28	0
P12163_1_F3,15944 K.EGQNDIYYITGESK.K	2225.155	0.00412	3	1	35.3	0
P12163_1_F3,17440 K.EGQNDIYYITGESK.K	2225.155	0.00589	3	1	36	0
P12163_1_F6,16605 K.EVSHEWSLVNK.Q	1936.075	0.00487	3	1	26	0
P12163_1_F9,16272 K.EVSHEWSLVNK.Q	1936.075	0.00421	2	1	29.2	0
P12163_1_F5,17774 K.FYESFSK.N	1515.83	0.0107	2	1	29.1	0
P12163_1_F5,17785 K.FYESFSK.N	1515.83	0.00606	3	1	24.6	0
P12163_2_F1,18220 K.FYESFSK.N	1515.83	0.00471	3	1	25.4	0
P12163_2_F1,18226 K.FYESFSK.N	1515.83	0.00662	2	1	29.8	0
P12163_2_F2,18461 K.FYESFSK.N	1515.83	0.00546	2	1	25.8	0
P12163_2_F2,18464 K.FYESFSK.N	1515.83	0.0033	3	1	22.7	0
P12163_2_F8_12070 K.FYESFSK.N	1515.83	0.00526	2	1	28.7	0
P12163_1_F6,17743 K.HFSVEGQLEFK.A	1929.069	0.0011	3	1	22.7	0
P12163_1_F9,16071 K.ITLHLK.V ! K.ITLHLK.	1332.882	0.00619	3	1	29.9	0
P12163_1_F7,22524 K.LDAQPELFIHIIPDK.T	2357.369	0.00457	3	1	39.2	0
P12163_1_F7,22779 K.LDAQPELFIHIIPDK.T	2357.369	0.00925	3	1	36.6	0
P12163_2_F7,10460 K.LGIHEDSTNK.T	1721.964	0.00494	2	1	27.9	0
P12163_2_F7,10509 K.LGIHEDSTNK.T	1721.964	0.00546	3	1	25.6	0
P12163_1_F9,19910 K.RAPFDLFDTR.K ! R.RA	1541.838	0.00235	3	1	40	0
P12163_2_F6,19841 K.RAPFDLFDTR.K ! R.RA	1541.838	0.00109	3	1	32.8	0
P12163_2_F7,18080 K.RAPFDLFDTR.K ! R.RA	1541.838	-0.00002	3	1	41.1	0
P12163_1_F8,18713 K.SLTNDWEEHLAVK.H	2150.17	0.00298	2	1	52.2	0
P12163_1_F8,18724 K.SLTNDWEEHLAVK.H	2150.17	0.0081	3	1	41.2	0
P12163_2_F6,18216 K.SLTNDWEEHLAVK.H	2150.17	0.00462	3	1	42	0
P12163_2_F6,18252 K.SLTNDWEEHLAVK.H	2150.17	0.00244	2	1	52.2	0

P12163_1_F3,20048	K.TNNTLSIIDSGIGMTK.L	2273.263	0.00524	3	1	33.6	0
P12163_1_F3,20489	K.TNNTLSIIDSGIGMTK.L	2273.263	0.00575	3	1	41.5	0
P12163_1_F3,22178	K.TNNTLSIIDSGIGMTK.L	2273.263	0.00851	3	1	49.6	0
P12163_2_F1,13314	K.VIVTAK.H	1238.829	0.00236	3	1	24	0
P12163_1_S1,20491	R.APFDLFDTR.K	1385.737	0.00241	3	1	28.1	0
P12163_1_S1,22182	R.APFDLFDTR.K	1385.737	0.00298	2	1	42.3	0
P12163_1_F4,14810	R.DNSMAGYMSSK.K	1798.892	0.00697	3	1	44.1	0
P12163_1_F4,14821	R.DNSMAGYMSSK.K	1798.892	0.00319	2	1	62.1	0
P12163_1_S1,7677	R.DTSGEPLGR.G	1235.653	0.00316	3	1	32.5	0
P12163_1_F2,15902	R.ELISNSSDALDK.I	1900.048	0.0047	3	1	40.5	0
P12163_1_F3,14259	R.ELISNSSDALDK.I	1900.048	0.00259	2	1	44.1	0
P12163_1_F3,14319	R.ELISNSSDALDK.I	1900.048	0.00539	3	1	30	0
P12163_1_F3,14581	R.ELISNSSDALDK.I	1900.048	0.00555	2	1	37.5	0
P12163_1_F3,16381	R.ELISNSSDALDK.I	1900.048	0.00691	2	1	58.1	0
P12163_1_F6,15715	R.ELISNSSDALDK.I	1900.048	-0.00055	3	1	46.2	0
P12163_1_F6,15961	R.ELISNSSDALDK.I	1900.048	0.00107	3	1	41.3	0
P12163_2_F2,15969	R.ELISNSSDALDK.I	1900.048	0.00515	3	1	22	0
P12163_1_F5,8327	R.ETLQQNK.I	1468.858	0.00396	2	1	25.5	0
P12163_2_F2,9394	R.ETLQQNK.I	1468.858	0.00682	2	1	27.2	0
P12163_1_F5,16750	R.FESLTDK.S	1447.825	0.00725	2	1	25.5	0
P12163_2_F1,17201	R.FESLTDK.S	1447.825	0.00583	2	1	25.5	0
P12163_2_F1,17233	R.FESLTDK.S	1447.825	0.00501	3	1	28.6	0
P12163_1_F7,16938	K.AANIFETGYK.L	1721.968	0.00179	3	1	26.9	0
P12163_2_F9,16900	K.AANIFETGYK.L	1721.968	0.00321	2	1	27.1	0
P12163_1_F7,18754	K.AHLPSANEAIVIPTQVT	2829.608	0.00467	4	1	49.2	0
P12163_1_F8,19762	K.AHLPSANEAIVIPTQVT	2829.608	0.01033	3	1	48.4	0
P12163_2_F10,16988	K.AHLPSANEAIVIPTQVT	2829.608	0.00099	4	1	27.4	0
P12163_2_S5,17655	K.AHLPSANEAIVIPTQVT	2829.608	0.00541	3	1	55.9	0
P12163_2_S5,17730	K.AHLPSANEAIVIPTQVT	2829.608	0.00359	4	1	35.5	0
P12163_1_F3,20936	K.AVFSPLIEK.Y	1611.993	0.00284	3	1	46	0
P12163_1_F3,20937	K.AVFSPLIEK.Y	1611.993	0.00502	2	1	29.8	0
P12163_1_F4,21558	K.AVFSPLIEK.Y	1611.993	0.00632	3	1	34.7	0
P12163_1_F6,19826	K.AVFSPLIEK.Y	1611.993	0.0016	2	1	25.6	0
P12163_2_F1,21027	K.AVFSPLIEK.Y	1611.993	0.00706	2	1	29.7	0
P12163_2_F1,21044	K.AVFSPLIEK.Y	1611.993	0.00455	3	1	34.1	0
P12163_2_F4,18635	K.AVFSPLIEK.Y	1611.993	0.00082	2	1	35.4	0
P12163_1_S1,23362	K.DLSFVQLNQLIGR.K	1807.038	0.00592	3	1	75.1	0
P12163_1_F2,16241	K.EDLAELAR.A	1220.679	0.00355	2	1	36.6	0
P12163_1_S1,15992	K.EDLAELAR.A	1220.679	0.00421	2	1	38.4	0
P12163_1_F3,25154	K.EFADVLEAIK.D	1743.015	0.00509	3	1	49.5	0
P12163_1_F4,26067	K.EFADVLEAIK.D	1743.015	0.00509	2	1	56.6	0
P12163_1_F4,26108	K.EFADVLEAIK.D	1743.015	0.00755	3	1	35.3	0
P12163_2_F6,23282	K.EFADVLEAIKDR.G	2014.143	0.00354	2	1	52.2	0
P12163_2_F6,23311	K.EFADVLEAIKDR.G	2014.143	0.00532	3	1	31.1	0
P12163_2_S5,19304	K.HISNVWLWDR.V	1629.88	0.00142	3	1	56.2	0
P12163_1_F5,10444	K.QFVSQSK.A	1431.842	0.00288	3	1	29.4	0
P12163_2_F2,11270	K.QFVSQSK.A	1431.842	-0.00048	3	1	24.9	0
P12163_1_S1,20111	K.TGGISVYPFTSSIR.G	1788.98	-0.00007	2	1	31.6	0
P12163_1_F7,20852	K.VDQDWAGISSSLEEIR.I	2265.178	0.00305	3	1	35.8	0
P12163_1_F3,27099	K.WIYDMNPFEPK.Y	2161.161	0.00672	2	1	35.2	0
P12163_1_F7,15217	K.YILNNPHCVTVEM*QF	2908.479	0.00451	3	1	31.6	0

P12163_1_F7,17025	K.YILNNPHCVTVEM*QF	2908.479	0.01064	4	1	27.1	0
P12163_2_S5,14716	K.YILNNPHCVTVEM*QF	2908.479	0.00984	4	1	22.8	0
P12163_2_S5,14734	K.YILNNPHCVTVEM*QF	2908.479	0.00865	3	1	28.1	0
P12163_1_F7,16978	K.YILNNPHCVTVEMQPI	2892.484	0.00229	3	1	33.8	0
P12163_1_F7,17006	K.YILNNPHCVTVEMQPI	2892.484	0.00656	4	1	30	0
P12163_1_S10,1693	K.YILNNPHCVTVEMQPI	2892.484	0.00596	4	1	29.8	0
P12163_2_F10,1588	K.YILNNPHCVTVEMQPI	2892.484	0.01028	3	1	24.2	0
P12163_2_S5,16331	K.YILNNPHCVTVEMQPI	2892.484	0.00254	3	1	37.4	0
P12163_1_F5,18181	R.ANLFEVK.K	1428.867	0.00524	3	1	35.2	0
P12163_2_F2,18830	R.ANLFEVK.K	1428.867	0.00287	2	1	28.6	0
P12163_2_F2,18860	R.ANLFEVK.K	1428.867	0.00578	3	1	33	0
P12163_1_F3,6766	R.ATEELR.L	1022.578	0.00029	3	1	22.6	0
P12163_2_F1,6432	R.ATEELR.L	1022.578	0.00131	3	1	22.1	0
P12163_1_F3,17369	R.EGCLINMTADGK.N	1917.003	0.00661	2	1	48.9	0
P12163_1_F4,17863	R.EGCLINMTADGK.N	1917.003	0.01045	3	1	33	0
P12163_1_F4,17916	R.EGCLINMTADGK.N	1917.003	0.01315	2	1	32.7	0
P12163_1_F2,16259	R.ELEM*DDDTLTK.A	1933.988	0.00814	3	1	42.5	0
P12163_1_F2,16248	R.ELEMDDDTLTK.A	1917.994	0.00676	3	1	32.5	0
P12163_1_S1,14649	R.ELEMDDDTLTK.A	1917.994	0.00904	3	1	39.1	0
P12163_1_S1,15752	R.ELEMDDDTLTK.A	1917.994	0.00706	3	1	47	0
P12163_1_F4,6633	R.GSGHGIAAAR.M	1200.675	0.00337	2	1	42.9	0
P12163_2_F4,5864	R.GSGHGIAAAR.M	1200.675	0.0014	3	1	34.1	0
P12163_2_S5,13266	R.GVAVAVASPDDVDA	2492.356	0.00661	3	1	56.2	0
P12163_1_F9,14428	R.HLLGITEEER.Q	1500.832	0.00736	3	1	50.6	0
P12163_1_F9,14448	R.HLLGITEEER.Q	1500.832	0.00198	2	1	24.7	0
P12163_2_F7,12995	R.HLLGITEEER.Q	1500.832	0.00046	3	1	62	0
P12163_1_F9,15003	R.REEILSTSLK.D	1784.074	0.00649	3	1	30.6	0
P12163_2_F9,13936	R.REEILSTSLK.D	1784.074	0.00581	3	1	35	0
P12163_1_F3,12905	R.SVPSLSLR.D	1162.71	0.00382	3	1	31.4	0
P12163_1_F3,16856	R.VPTEVG DINGVK.V	1836.069	0.00217	2	1	41.1	0
P12163_1_F3,16896	R.VPTEVG DINGVK.V	1836.069	0.00576	3	1	23	0
P12163_1_F9,7356	K.AAQDHMK.N	1408.783	0.00727	3	1	25.7	0
P12163_1_F4,17512	K.ALETYQEGLK.H	1760.005	0.00529	2	1	33.5	0
P12163_2_F1,16550	K.ALETYQEGLK.H	1760.005	0.00271	2	1	48.8	0
P12163_2_F9,7631	K.ALTEHR.N	1030.595	0.00026	3	1	28.8	0
P12163_2_F9,7844	K.ALTEHR.N	1030.595	0.00107	3	1	33.9	0
P12163_1_F2,18462	K.CIELDPTFSK.G	1817.993	0.00531	3	1	24.5	0
P12163_1_F2,18476	K.CIELDPTFSK.G	1817.993	0.00367	2	1	26.8	0
P12163_1_F3,19032	K.CIELDPTFSK.G	1817.993	0.01064	2	1	39.8	0
P12163_1_F3,19035	K.CIELDPTFSK.G	1817.993	0.009	3	1	27	0
P12163_1_F3,15245	K.DYEPAIETFQK.A	1949.048	0.00373	3	1	29.9	0
P12163_1_F3,18136	K.DYEPAIETFQK.A	1949.048	0.00477	2	1	44.3	0
P12163_1_F3,18181	K.DYEPAIETFQK.A	1949.048	0.00511	3	1	30	0
P12163_1_F5,8055	K.EAGNAAYK.K	1431.805	0.00332	2	1	36.1	0
P12163_2_F2,8984	K.EAGNAAYK.K	1431.805	0.0054	2	1	37.7	0
P12163_1_F3,18244	K.ELEQQEIFDPK.I	1984.085	0.00324	2	1	44.4	0
P12163_1_F3,18293	K.ELEQQEIFDPK.I	1984.085	0.00678	3	1	63	0
P12163_1_F4,24070	K.GAIQFFLK.E	1531.946	0.00315	2	1	41.5	0
P12163_1_F2,16726	K.GLDIDPNNEALK.S	1907.069	0.00582	2	1	47.5	0
P12163_1_S1,12405	K.GNAAFSSGDYEA	1818.892	-0.0034	3	1	69.6	0
P12163_1_S1,14517	K.GNAAFSSGDYEA	1818.892	0.0063	2	1	50.2	0

P12163_1_S1,14524	K.GNAAFSSGDYEA AVR	1818.892	0.00839	3	1	62.9	0
P12163_1_F8,13272	K.HDPQNQELLDGVR.R	1824.951	0.002	3	1	48.7	0
P12163_2_F6,12765	K.HDPQNQELLDGVR.R	1824.951	0.00455	3	1	59	0
P12163_2_F1,8395	K.IADEER.E	1036.558	0.00228	2	1	23.9	0
P12163_1_F4,19153	K.LGAM*PEGLK.D	1539.902	0.0011	3	1	22.3	0
P12163_1_F4,19156	K.LGAMPEGLK.D	1523.908	0.00619	2	1	25.2	0
P12163_1_F4,19165	K.LGAMPEGLK.D	1523.908	0.00582	3	1	23.4	0
P12163_2_F1,18391	K.LGAMPEGLK.D	1523.908	0.00425	2	1	25.7	0
P12163_1_F2,17348	K.LINAGIVQM*R.-	1434.84	0.00082	3	1	45.1	0
P12163_1_F2,20177	K.LINAGIVQM*R.-	1434.84	0.00259	3	1	60.6	0
P12163_1_S1,8807	K.LTADPTTR.S	1178.668	0.00332	3	1	30	0
P12163_1_S1,9295	K.LTADPTTR.S	1178.668	-0.00484	3	1	35.1	0
P12163_1_F8,18711	K.YPEAIQHYTESLR.R	1910.991	0.00385	3	1	47.6	0
P12163_2_F4,17436	K.YPEAIQHYTESLR.R	1910.991	0.00112	3	1	30.1	0
P12163_2_F6,18177	K.YPEAIQHYTESLR.R	1910.991	0.00733	3	1	22.9	0
P12163_1_F5,18605	R.AAVYLEMGK.Y	1589.918	0.01493	2	1	42.6	0
P12163_1_F9,18364	R.AAVYLEMGK.Y	1589.918	0.00743	3	1	23.7	0
P12163_2_F9,17335	R.AAVYLEMGK.Y	1589.918	0.00368	3	1	36.3	0
P12163_2_F2,11013	R.CVQQINK.A	1497.867	0.00218	2	1	24.2	0
P12163_2_F2,11046	R.CVQQINK.A	1497.867	0.00605	3	1	23.5	0
P12163_1_F9,20213	R.KGAIQFFLK.E	1964.246	0.01401	3	1	37.9	0
P12163_2_F9,19167	R.KGAIQFFLK.E	1964.246	0.00711	3	1	38.8	0
P12163_2_F1,18475	R.NPNNLNLYLK.D	1811.063	0.00631	3	1	51	0
P12163_2_F1,18492	R.NPNNLNLYLK.D	1811.063	0.00311	2	1	28	0
P12163_2_F2,18709	R.NPNNLNLYLK.D	1811.063	0.00382	3	1	51.5	0
P12163_1_F3,18568	R.QVLVDFQENPK.A	1925.095	0.00439	2	1	57.9	0
P12163_1_F9,15395	R.SYLDQDDFR.N	1462.712	0.00154	2	1	25.6	0
P12163_1_S1,15475	R.SYLDQDDFR.N	1462.712	0.00664	2	1	28.5	0
P12163_2_F9,15023	R.SYLDQDDFR.N	1462.712	0.00414	2	1	24.7	0
P12163_1_F3,29286	R.VMQALGVLLNVK.F	1893.182	0.00784	3	1	25.1	0
P12163_1_F4,23919	K.AFLDIGFK.I	1518.914	0.00358	3	1	36.4	0
P12163_2_F1,23332	K.AFLDIGFK.I	1518.914	0.00812	2	1	24.1	0
P12163_1_F3,23448	K.AGLAASLTSQVLVEK.	2095.258	0.00375	3	1	42.9	0
P12163_1_F9,11879	K.AIGHPLAK.Y	1414.899	0.00569	3	1	27.3	0
P12163_1_F9,11884	K.AIGHPLAK.Y	1414.899	0.00426	2	1	33.9	0
P12163_2_F7,10994	K.AIGHPLAK.Y	1414.899	0.00646	2	1	33.8	0
P12163_2_F2,10462	K.AQIAAGQK.L	1394.858	0.00326	2	1	34.9	0
P12163_2_F2,10470	K.AQIAAGQK.L	1394.858	0.00449	3	1	34.6	0
P12163_1_F4,16598	K.EEFEAICK.A	1633.872	0.00591	2	1	31.6	0
P12163_2_F1,13977	K.ELSIEQPK.G	1551.92	0.00471	2	1	29.1	0
P12163_1_S1,20184	K.FQGCDVLLGPEMR.S	1825.924	0.00237	3	1	42.1	0
P12163_1_S1,20203	K.FQGCDVLLGPEMR.S	1825.924	0.00644	2	1	50.3	0
P12163_1_F8,18976	K.KTPASFEPSIDYVVTK.	2694.548	0.01398	3	1	49.3	0
P12163_1_S1,20860	K.LSVGYSLDQIPNDITK.	2371.333	0.00044	3	1	41.4	0
P12163_1_F5,14315	K.QIAFATK.S	1386.856	0.00305	3	1	31.5	0
P12163_2_F2,15076	K.QIAFATK.S	1386.856	0.01151	2	1	24.8	0
P12163_1_F4,16636	K.SEADALAIK.E	1596.942	0.00566	3	1	34.4	0
P12163_2_F1,15788	K.SEADALAIK.E	1596.942	-0.00231	2	1	40.2	0
P12163_2_F1,15814	K.SEADALAIK.E	1596.942	0.0041	3	1	30.6	0
P12163_1_F4,19087	K.SLNDLGFTK.E	1602.931	0.0055	2	1	43.5	0
P12163_1_F4,19090	K.SLNDLGFTK.E	1602.931	0.00662	3	1	45.9	0

P12163_2_F1,18350	K.SLNDLGFTK.E	1602.931	0.00653	3	1	45.3	0
P12163_2_F1,18360	K.SLNDLGFTK.E	1602.931	0.00672	2	1	45.7	0
P12163_1_F2,8412	K.SVGEAM*ALGR.T	1310.704	0.00349	3	1	28	0
P12163_1_F2,15413	K.SVGEAMALGR.T	1294.709	0.00248	2	1	36.5	0
P12163_1_S1,19379	K.TPASFEPSIDYVVTK.I	2262.248	0.00973	3	1	42	0
P12163_1_F8,20740	K.VDEIHELSEFIDK.W	2053.143	0.00668	3	1	28.3	0
P12163_1_F8,20779	K.VDEIHELSEFIDK.W	2053.143	0.00008	2	1	47.5	0
P12163_2_F6,20329	K.VDEIHELSEFIDK.W	2053.143	0.00707	3	1	29.9	0
P12163_1_F2,18983	K.VLILGGGPNR.I	1299.805	0.00217	2	1	28.5	0
P12163_1_F5,17019	K.YAALVMSGK.S	1547.908	0.00738	3	1	22.4	0
P12163_1_F5,19055	K.YAALVMSGK.S	1547.908	0.00579	3	1	33.7	0
P12163_1_F5,19126	K.YAALVMSGK.S	1547.908	0.00189	2	1	24.7	0
P12163_2_F2,19695	K.YAALVMSGK.S	1547.908	0.00405	3	1	33.2	0
P12163_2_F2,19723	K.YAALVMSGK.S	1547.908	-0.00071	2	1	37.7	0
P12163_1_F4,19249	K.YGVELIGAK.L	1557.946	0.00643	2	1	45.1	0
P12163_1_F9,17737	K.YGVELIGAK.L	1557.946	0.00707	2	1	38	0
P12163_2_F1,18466	K.YGVELIGAK.L	1557.946	0.00591	2	1	41.6	0
P12163_2_F1,18467	K.YGVELIGAK.L	1557.946	0.00013	3	1	38.9	0
P12163_1_S1,12796	R.LPSASGDGLVR.I	1375.785	0.00273	3	1	53.1	0
P12163_1_F4,22105	R.LSLGVIPSYK.R	1685.046	-0.0017	2	1	28.2	0
P12163_1_F4,22107	R.LSLGVIPSYK.R	1685.046	0.00791	3	1	33.2	0
P12163_2_F1,21677	R.LSLGVIPSYK.R	1685.046	0.00368	2	1	27.3	0
P12163_2_F1,21771	R.LSLGVIPSYK.R	1685.046	0.00299	3	1	29.7	0
P12163_1_F5,21738	R.MQAIYAAMK.K	1634.922	0.00534	3	1	37.7	0
P12163_1_F5,21754	R.MQAIYAAMK.K	1634.922	0.00468	2	1	57.1	0
P12163_2_F2,22013	R.MQAIYAAMK.K	1634.922	0.00219	3	1	36.6	0
P12163_2_F1,19381	R.SLECGFSGWGCSNVK.	2296.131	0.01875	3	1	52.3	0
P12163_1_F5,14431	R.TFQESFQK.A	1622.9	0.0099	2	1	26.9	0
P12163_1_F4,10454	K.APEAPPK.E	1317.799	0.01129	2	1	29.8	0
P12163_2_F1,9629	K.APEAPPK.E	1317.799	-0.00079	2	1	30.6	0
P12163_1_F4,13072	K.EAAAEEQVVK.A	1681.958	0.01323	3	1	30.6	0
P12163_1_F4,13093	K.EAAAEEQVVK.A	1681.958	0.0116	2	1	53.7	0
P12163_2_F1,12110	K.EAAAEEQVVK.A	1681.958	-0.0005	2	1	50.9	0
P12163_1_F2,9584	K.EAEVAAPSDEQTK.D	1983.049	0.01188	3	1	37.1	0
P12163_1_F2,10769	K.EAEVAAPSDEQTK.D	1983.049	-0.00606	2	1	42.2	0
P12163_1_F4,11631	K.EAEVPPEK.V	1506.862	0.00953	2	1	26.1	0
P12163_1_F4,11914	K.EAEVPPEK.V	1506.862	0.01013	2	1	24.7	0
P12163_1_F2,16161	K.EESNVVGGELPDPQK.K	2149.16	0.00341	2	1	45	0
P12163_1_F7,18065	K.EGHPVCYNVFGFQNI	2533.275	0.0074	3	1	37.1	0
P12163_1_F8,18886	K.EGHPVCYNVFGFQNI	2533.275	0.0113	3	1	43.9	0
P12163_1_F8,18891	K.EGHPVCYNVFGFQNI	2533.275	0.00494	4	1	30.3	0
P12163_2_F6,18419	K.EGHPVCYNVFGFQNI	2533.275	0.0001	4	1	29.5	0
P12163_2_F6,18452	K.EGHPVCYNVFGFQNI	2533.275	0.00233	3	1	45.5	0
P12163_1_F6,13638	K.ELYHNNFSDDEK.R	2119.055	0.00949	3	1	22.3	0
P12163_1_F8,12428	K.EQAPAPVPEPEAPEKR	2353.297	0.0024	3	1	35.9	0
P12163_2_S5,11371	K.EQAPAPVPEPEAPEKR	2353.297	0.00087	3	1	29.9	0
P12163_1_F8,13701	K.HEFTAPPPPPPAK.E	2162.222	0.00929	3	1	28.5	0
P12163_2_F6,13248	K.HEFTAPPPPPPAK.E	2162.222	0.00071	3	1	34.7	0
P12163_1_F9,11728	K.KPAVEVESK.A	1899.168	0.01522	3	1	28.7	0
P12163_1_F4,20085	K.QLIQDALNK.H	1651	0.00544	3	1	34.3	0
P12163_1_F4,20107	K.QLIQDALNK.H	1651	0.00775	2	1	35	0

P12163_1_F5,18852	K.QLIQDALNK.H	1651	0.00393	2	1	38.5	0
P12163_2_F1,19512	K.QLIQDALNK.H	1651	0.00262	3	1	44.6	0
P12163_2_F1,19517	K.QLIQDALNK.H	1651	0.00895	2	1	46.1	0
P12163_1_S1,17699	K.VAPTDEPVICDTFK.I	2200.178	0.0113	3	1	36.2	0
P12163_1_S1,17718	K.VAPTDEPVICDTFK.I	2200.178	0.00909	2	1	68.2	0
P12163_1_F2,11118	K.VATVDEDGAK.T	1612.9	0.00782	2	1	45.6	0
P12163_1_F3,12071	K.VATVDEDGAK.T	1612.9	0.01044	2	1	48.3	0
P12163_1_F4,12580	K.VATVDEDGAK.T	1612.9	0.0123	3	1	44.8	0
P12163_1_F9,16423	K.VVFMHGVDK.E	1639.945	0.00152	2	1	33.3	0
P12163_2_F7,14769	K.VVFMHGVDK.E	1639.945	0.00292	3	1	23.1	0
P12163_1_F3,17205	K.VVLTIDNQSSK.K	1812.069	0.0105	2	1	40.5	0
P12163_1_F3,17237	K.VVLTIDNQSSK.K	1812.069	0.0094	3	1	42.7	0
P12163_1_F8,18737	K.YIAPEQVPVQYGGLSR	2081.133	0.00359	2	1	25.4	0
P12163_2_F6,18348	K.YIAPEQVPVQYGGLSR	2081.133	0.00007	2	1	45.2	0
P12163_2_S5,17025	K.YIAPEQVPVQYGGLSR	2081.133	0.00189	2	1	28.7	0
P12163_1_S1,16267	K.YTVEIPVTER.S	1510.842	0.00522	3	1	34.9	0
P12163_1_F7,15942	R.EGEQEFTTTDPVTEVV	3303.809	0.01143	4	1	21.9	0
P12163_1_F6,21697	R.IATNQAVHLLQDNYPE	2603.388	0.00619	3	1	26.4	0
P12163_2_F8_12070	R.IATNQAVHLLQDNYPE	2603.388	0.00178	3	1	29.1	0
P12163_1_F8,14659	R.KVAPTDEPVICDTFK.I	2632.478	0.01113	4	1	30	0
P12163_1_F2,19343	R.M*ISPFLTQR.T	1412.787	0.00649	3	1	23.1	0
P12163_1_F4,17229	R.SDTILLK.F	1397.882	0.00693	2	1	27	0
P12163_2_F1,16395	R.SDTILLK.F	1397.882	0.00169	2	1	26.4	0
P12163_1_F3,20470	R.SILVWELR.V	1319.799	0.00228	3	1	34.1	0
P12163_1_F3,23982	R.SILVWELR.V	1319.799	0.00344	2	1	32.3	0
P12163_1_F7,21667	K.AQLPGTTQDHLQIFNII	2774.566	0.00156	3	1	26.7	0
P12163_1_S1,18709	K.EAAELAAESPQGLLR.	1859.018	0.00511	2	1	36.5	0
P12163_1_S1,18717	K.EAAELAAESPQGLLR.	1859.018	0.004	3	1	54.2	0
P12163_1_F9,10937	K.HELLEM*R.R	1247.672	0.00073	3	1	29.5	0
P12163_1_F9,14123	K.HELLEM*R.R	1247.672	0.0055	3	1	30.1	0
P12163_1_F4,19658	K.LAVTLVK.L	1351.913	0.0108	2	1	24.8	0
P12163_2_F1,19095	K.LAVTLVK.L	1351.913	0.00564	2	1	24.4	0
P12163_2_F10,1632	K.LHVIELGAQPGKPSFTI	2734.638	0.00689	4	1	30.9	0
P12163_2_F2,17744	K.NFLMEAK.L	1460.839	0.01239	2	1	24.3	0
P12163_1_F3,13111	K.QFQGAVDAAR.K	1366.738	0.00315	2	1	31.9	0
P12163_2_F2,13132	K.QSIALSK.K	1354.851	0.00563	2	1	26.7	0
P12163_1_F8,15300	K.RDPTLAVVAYR.R	1564.911	-0.00058	3	1	57.4	0
P12163_2_F6,14717	K.RDPTLAVVAYR.R	1564.911	0.00053	3	1	57.1	0
P12163_2_F6,14749	K.RDPTLAVVAYR.R	1564.911	0.00125	2	1	35.9	0
P12163_2_F1,12462	K.SFNAGQVTSK.L	1646.932	0.00035	2	1	34.7	0
P12163_1_F4,13300	K.SPEQVSAAVK.A	1623.953	0.00069	2	1	33.3	0
P12163_2_F1,12392	K.SPEQVSAAVK.A	1623.953	0.00327	2	1	35.6	0
P12163_2_F1,12397	K.SPEQVSAAVK.A	1623.953	0.00857	3	1	31.4	0
P12163_1_F5,13116	K.YIEAAAK.T	1373.825	0.00948	3	1	26.7	0
P12163_2_F1,13471	K.YIEAAAK.T	1373.825	0.00441	2	1	25.8	0
P12163_1_F7,15803	R.AAEDADVYHDLVR.Y	1777.902	0.00174	3	1	49.4	0
P12163_1_F7,15814	R.AAEDADVYHDLVR.Y	1777.902	0.00737	2	1	35.2	0
P12163_1_F8,16527	R.AAEDADVYHDLVR.Y	1777.902	0.00288	3	1	42.4	0
P12163_2_F8_12070	R.AAEDADVYHDLVR.Y	1777.902	0.00426	3	1	53.1	0
P12163_2_S5,15818	R.AAEDADVYHDLVR.Y	1777.902	0.00885	3	1	51.1	0
P12163_2_F6,17818	R.ALQHYTELPDIK.R	2036.164	0.00242	3	1	38.7	0

P12163_1_F5,13367	R.ESNFYDPEK.T	1736.895	0.01261	2	1	24.3	0
P12163_2_F1,13571	R.ESNFYDPEK.T	1736.895	0.00405	2	1	26.2	0
P12163_1_F4,23658	R.FQELFAQTK.Y	1719.989	0.00447	2	1	38.3	0
P12163_1_F5,22216	R.FQELFAQTK.Y	1719.989	0.00401	3	1	27.2	0
P12163_2_F1,23038	R.FQELFAQTK.Y	1719.989	0.00469	2	1	64.3	0
P12163_1_S1,15492	R.GNLPGAENLVVQR.F	1670.949	-0.00053	2	1	35.1	0
P12163_1_S1,15525	R.GNLPGAENLVVQR.F	1670.949	0.00007	3	1	71	0
P12163_2_F2,15448	R.IAQLCEK.A	1469.861	0.0048	2	1	26.5	0
P12163_1_F5,11551	R.LVVNQNK.K	1422.889	0.00995	2	1	28.5	0
P12163_1_S1,21584	R.QLIDQVVSTALPESK.S	2236.301	0.01458	3	1	28.5	0
P12163_1_F8,18479	R.SQALEAHAASFAQFK.	2214.213	0.00842	4	1	29.6	0
P12163_2_F1,16982	R.TANLTNNQIINYK.C	2115.202	0.00522	2	1	47.8	0
P12163_2_F2,18816	R.VAAYIYK.K	1435.877	0.00386	3	1	26.7	0
P12163_1_F8,14270	K.ALPTYTPESP AEATR.N	1908.002	0.00239	3	1	44.5	0
P12163_1_F8,15721	K.ALPTYTPESP AEATR.N	1908.002	0.00293	2	1	57	0
P12163_1_F8,15759	K.ALPTYTPESP AEATR.N	1908.002	0.00257	3	1	35.9	0
P12163_2_F6,15236	K.ALPTYTPESP AEATR.N	1908.002	0.00211	2	1	57.2	0
P12163_2_F6,15310	K.ALPTYTPESP AEATR.N	1908.002	0.00281	3	1	26.6	0
P12163_2_F8_12070	K.ANSGHPGLPMGCAPM	3014.441	0.00593	4	1	32.8	0
P12163_1_F3,12133	K.ANSYSVHGSALGAK.E	1970.092	0.00674	3	1	34.5	0
P12163_1_F4,12621	K.ANSYSVHGSALGAK.E	1970.092	0.00413	3	1	43.9	0
P12163_1_F4,12631	K.ANSYSVHGSALGAK.E	1970.092	0.00104	2	1	41	0
P12163_2_F2,11973	K.ANSYSVHGSALGAK.E	1970.092	0.00155	3	1	39.8	0
P12163_2_F2,11981	K.ANSYSVHGSALGAK.E	1970.092	-0.00035	4	1	30.7	0
P12163_2_F2,11988	K.ANSYSVHGSALGAK.E	1970.092	0.0026	2	1	68.9	0
P12163_2_S3,10902	K.ANSYSVHGSALGAK.E	1970.092	0.00269	3	1	41.8	0
P12163_2_S3,10910	K.ANSYSVHGSALGAK.E	1970.092	0.00085	4	1	23.8	0
P12163_2_S5,11571	K.ANSYSVHGSALGAK.E	1970.092	0.00449	3	1	28.4	0
P12163_2_F6,13842	K.AVTDKPTLIR.V	1722.073	0.00644	2	1	28.1	0
P12163_2_F6,23514	K.AVTDKPTLIR.V	1722.073	0.00298	2	1	29.3	0
P12163_1_F3,23460	K.EFGITAEAVITAAK.E	2029.179	0.00798	3	1	31.1	0
P12163_1_F3,16436	K.ESVLPAAVSAR.V	1403.816	0.00111	2	1	25.1	0
P12163_1_S1,13037	K.ESVLPAAVSAR.V	1403.816	0.00162	3	1	40.1	0
P12163_1_S1,14815	K.ESVLPAAVSAR.V	1403.816	0.00469	2	1	39.5	0
P12163_1_S1,14825	K.ESVLPAAVSAR.V	1403.816	0.00249	3	1	45	0
P12163_1_S1,15040	K.ESVLPAAVSAR.V	1403.816	0.00173	2	1	40.4	0
P12163_1_S1,15048	K.ESVLPAAVSAR.V	1403.816	0.00663	3	1	76	0
P12163_1_S1,15444	K.ESVLPAAVSAR.V	1403.816	-0.01109	2	1	38.5	0
P12163_1_S1,15530	K.ESVLPAAVSAR.V	1403.816	0.00249	3	1	64	0
P12163_1_S1,15817	K.ESVLPAAVSAR.V	1403.816	0.00341	2	1	36.9	0
P12163_1_S10,130	K.ESVLPAAVSAR.V	1403.816	0.00144	3	1	25	0
P12163_1_S10,250	K.ESVLPAAVSAR.V	1403.816	0.00357	2	1	46.6	0
P12163_1_S10,336	K.ESVLPAAVSAR.V	1403.816	0.00237	3	1	31	0
P12163_2_S3,12983	K.ESVLPAAVSAR.V	1403.816	0.00291	2	1	26.4	0
P12163_1_F5,14167	K.FAEYEK.K	1394.778	0.00568	3	1	22.1	0
P12163_1_S10,1515	K.FAEYEK.K	1394.778	0.00414	2	1	25.3	0
P12163_2_F2,14842	K.FAEYEK.K	1394.778	0.00628	3	1	23.6	0
P12163_2_S5,13909	K.FAEYEK.K	1394.778	0.00055	3	1	22.6	0
P12163_1_F7,15353	K.LPHLAGTSIDGVEK.G	2045.185	0.00477	3	1	26.4	0
P12163_1_F7,16281	K.LPHLAGTSIDGVEK.G	2045.185	0.00603	3	1	47.9	0
P12163_1_F7,16688	K.LPHLAGTSIDGVEK.G	2045.185	-0.00486	3	1	46.8	0

P12163_1_F7,16727	K.LPHLAGTSIDGVEK.G	2045.185	0.00614	2	1	34.4	0
P12163_1_F7,16779	K.LPHLAGTSIDGVEK.G	2045.185	0.00511	4	1	34.2	0
P12163_1_F8,121	K.LPHLAGTSIDGVEK.G	2045.185	0.00057	3	1	38.8	0
P12163_1_F8,17020	K.LPHLAGTSIDGVEK.G	2045.185	0.00171	3	1	31.9	0
P12163_1_F8,17530	K.LPHLAGTSIDGVEK.G	2045.185	0.00698	2	1	40.4	0
P12163_1_F8,17546	K.LPHLAGTSIDGVEK.G	2045.185	0.00804	3	1	67.2	0
P12163_2_F10,1556	K.LPHLAGTSIDGVEK.G	2045.185	0.00753	3	1	69.8	0
P12163_2_F6,17044	K.LPHLAGTSIDGVEK.G	2045.185	0.00504	3	1	66.6	0
P12163_2_F6,17091	K.LPHLAGTSIDGVEK.G	2045.185	0.00286	2	1	72.6	0
P12163_2_F8_12070	K.LPHLAGTSIDGVEK.G	2045.185	0.0045	3	1	63.6	0
P12163_2_F8_12070	K.LPHLAGTSIDGVEK.G	2045.185	0.00498	3	1	69.2	0
P12163_2_F1,18714	K.MFGDFQK.D	1480.808	0.00606	2	1	25.1	0
P12163_2_F1,18747	K.MFGDFQK.D	1480.808	0.00488	3	1	26	0
P12163_2_F2,19131	K.MFGDFQK.D	1480.808	0.00804	2	1	25.4	0
P12163_1_F3,8545	K.NGNTGYDDIR.A	1428.702	0.00288	3	1	29	0
P12163_1_F3,10082	K.NGNTGYDDIR.A	1428.702	0.00959	2	1	28.3	0
P12163_1_F3,10303	K.NGNTGYDDIR.A	1428.702	0.00483	2	1	35.9	0
P12163_1_S10,1105	K.NGNTGYDDIR.A	1428.702	0.0041	2	1	34.7	0
P12163_2_F1,9561	K.NGNTGYDDIR.A	1428.702	0.00973	2	1	35.9	0
P12163_1_F7,20926	K.NLGWPYEPFHVPEDVI	2535.349	0.00761	3	1	37.8	0
P12163_1_F8,21895	K.NLGWPYEPFHVPEDVI	2535.349	0.00539	3	1	46.9	0
P12163_1_F9,21185	K.NLGWPYEPFHVPEDVI	2535.349	0.00686	3	1	27.2	0
P12163_1_F6,15154	K.RPSILALSR.Q	1316.832	0.00007	3	1	24.6	0
P12163_1_F9,13158	K.RPSILALSR.Q	1316.832	0.00295	3	1	24.3	0
P12163_1_F9,15197	K.RPSILALSR.Q	1316.832	0.00217	3	1	55	0
P12163_1_F9,15739	K.RPSILALSR.Q	1316.832	0.00229	3	1	26.5	0
P12163_1_F9,16004	K.RPSILALSR.Q	1316.832	0.00568	3	1	28.5	0
P12163_1_F9,16232	K.RPSILALSR.Q	1316.832	0.00268	3	1	54.4	0
P12163_1_F9,16847	K.RPSILALSR.Q	1316.832	0.00367	3	1	54.3	0
P12163_1_F9,17239	K.RPSILALSR.Q	1316.832	0.00301	3	1	51.5	0
P12163_1_F9,17870	K.RPSILALSR.Q	1316.832	0.00295	3	1	35.5	0
P12163_1_F9,18394	K.RPSILALSR.Q	1316.832	0.00208	3	1	46	0
P12163_1_F9,20036	K.RPSILALSR.Q	1316.832	0.00253	3	1	59.9	0
P12163_1_S10,1511	K.RPSILALSR.Q	1316.832	0.00142	3	1	38.1	0
P12163_1_S10,1531	K.RPSILALSR.Q	1316.832	0.00289	3	1	45.7	0
P12163_2_F10,1403	K.RPSILALSR.Q	1316.832	0.00319	3	1	25.1	0
P12163_2_F6,14341	K.RPSILALSR.Q	1316.832	0.0019	3	1	26.8	0
P12163_2_F8_12070	K.RPSILALSR.Q	1316.832	0.00256	3	1	28.7	0
P12163_2_F8_12070	K.RPSILALSR.Q	1316.832	0.00217	3	1	54.9	0
P12163_1_F4,15535	K.SISSGQLPAGWEK.A	1968.101	0.00767	2	1	40.4	0
P12163_1_F4,15924	K.SISSGQLPAGWEK.A	1968.101	0.01277	3	1	23.5	0
P12163_1_F4,16162	K.SISSGQLPAGWEK.A	1968.101	0.01028	3	1	33.6	0
P12163_1_F4,16211	K.SISSGQLPAGWEK.A	1968.101	0.00245	2	1	33.3	0
P12163_1_F4,18100	K.SISSGQLPAGWEK.A	1968.101	0.00803	3	1	44.5	0
P12163_1_F4,18108	K.SISSGQLPAGWEK.A	1968.101	0.00783	2	1	71.4	0
P12163_1_F4,18621	K.SISSGQLPAGWEK.A	1968.101	0.0086	3	1	26.8	0
P12163_1_F5,16897	K.SISSGQLPAGWEK.A	1968.101	0.00375	2	1	87.3	0
P12163_1_F6,17328	K.SISSGQLPAGWEK.A	1968.101	0.0137	3	1	30.3	0
P12163_1_F9,17019	K.SISSGQLPAGWEK.A	1968.101	0.00615	2	1	80.6	0
P12163_2_F1,14478	K.SISSGQLPAGWEK.A	1968.101	0.00134	3	1	28.5	0
P12163_2_F1,14504	K.SISSGQLPAGWEK.A	1968.101	0.00909	2	1	42.7	0

P12163_2_F1,17399	K.SISSGQLPAGWEK.A	1968.101	0.00281	3	1	46	0
P12163_2_F1,17401	K.SISSGQLPAGWEK.A	1968.101	0.00261	2	1	76.2	0
P12163_2_F1,18264	K.SISSGQLPAGWEK.A	1968.101	0.00601	2	1	65	0
P12163_2_F4,15742	K.SISSGQLPAGWEK.A	1968.101	0.00257	3	1	58.1	0
P12163_2_F9,15944	K.SISSGQLPAGWEK.A	1968.101	0.01937	3	1	49.3	0
P12163_1_F4,16718	K.YPEEAAEFK.S	1691.91	0.00869	3	1	24.9	0
P12163_1_F7,14716	K.YPEEAAEFK.S	1691.91	0.00221	3	1	25.9	0
P12163_1_F9,15622	K.YPEEAAEFK.S	1691.91	0.00485	3	1	26.8	0
P12163_2_F1,15741	K.YPEEAAEFK.S	1691.91	0.00306	2	1	24	0
P12163_2_F1,15764	K.YPEEAAEFK.S	1691.91	0.00356	3	1	30	0
P12163_2_F9,14986	K.YPEEAAEFK.S	1691.91	0.01799	3	1	28.8	0
P12163_1_F7,20237	R.AM*PNILM*LRPADGN	2873.511	0.0128	4	1	33.6	0
P12163_1_F6,21050	R.AM*PNILMLRPADGNE	2857.516	0.00404	4	1	35.6	0
P12163_1_F6,20118	R.AMPNILM*LRPADGNE	2857.516	0.00152	4	1	45.1	0
P12163_1_F7,19296	R.AMPNILM*LRPADGNE	2857.516	0.006	4	1	31	0
P12163_1_F6,21049	R.AMPNILMLRPADGNE	2841.521	0.00672	4	1	39.6	0
P12163_1_F7,20254	R.AMPNILMLRPADGNE	2841.521	0.00828	4	1	25.6	0
P12163_1_F7,20261	R.AMPNILMLRPADGNE	2841.521	0.00394	3	1	24.1	0
P12163_2_S5,19513	R.AMPNILMLRPADGNE	2841.521	0.00284	4	1	34.8	0
P12163_1_F4,13075	R.FGASAPAGK.I	1413.831	0.01093	3	1	23.7	0
P12163_1_F4,13133	R.FGASAPAGK.I	1413.831	0.00641	2	1	44.2	0
P12163_1_F5,11702	R.FGASAPAGK.I	1413.831	0.00646	3	1	39.5	0
P12163_1_F5,11758	R.FGASAPAGK.I	1413.831	0.00915	2	1	40.1	0
P12163_1_F6,12617	R.FGASAPAGK.I	1413.831	0.00609	2	1	42.1	0
P12163_1_F7,11267	R.FGASAPAGK.I	1413.831	0.00157	3	1	25.4	0
P12163_1_F7,11309	R.FGASAPAGK.I	1413.831	0.00277	2	1	26.9	0
P12163_1_F7,11973	R.FGASAPAGK.I	1413.831	0.00919	3	1	23.9	0
P12163_1_F8,11780	R.FGASAPAGK.I	1413.831	-0.00047	3	1	26.5	0
P12163_2_F1,12065	R.FGASAPAGK.I	1413.831	0.00481	3	1	25.2	0
P12163_2_F1,12185	R.FGASAPAGK.I	1413.831	0.00649	2	1	44.1	0
P12163_2_F1,12519	R.FGASAPAGK.I	1413.831	0.00725	2	1	29.4	0
P12163_2_F1,12629	R.FGASAPAGK.I	1413.831	0.00439	3	1	26.2	0
P12163_2_F1,12951	R.FGASAPAGK.I	1413.831	-0.01265	3	1	23.7	0
P12163_2_F2,12496	R.FGASAPAGK.I	1413.831	0.00205	2	1	24.6	0
P12163_2_S5,10934	R.FGASAPAGK.I	1413.831	0.00016	3	1	22	0
P12163_2_S5,11184	R.FGASAPAGK.I	1413.831	0.00148	3	1	27.9	0
P12163_1_F3,19646	R.FLAVDAVEK.A	1599.957	0.00706	2	1	52	0
P12163_1_F3,19680	R.FLAVDAVEK.A	1599.957	0.00408	3	1	46.4	0
P12163_1_F3,20687	R.FLAVDAVEK.A	1599.957	0.00642	3	1	41.8	0
P12163_1_F3,20698	R.FLAVDAVEK.A	1599.957	0.00532	2	1	51.6	0
P12163_1_F4,21122	R.FLAVDAVEK.A	1599.957	0.0119	2	1	47.8	0
P12163_1_F4,21123	R.FLAVDAVEK.A	1599.957	0.00612	3	1	39.2	0
P12163_1_F4,21348	R.FLAVDAVEK.A	1599.957	0.0071	2	1	51.8	0
P12163_1_F4,21364	R.FLAVDAVEK.A	1599.957	0.0003	3	1	50.8	0
P12163_1_F4,23036	R.FLAVDAVEK.A	1599.957	0.00752	2	1	51.4	0
P12163_1_F4,23294	R.FLAVDAVEK.A	1599.957	0.00597	3	1	41.9	0
P12163_1_F4,23302	R.FLAVDAVEK.A	1599.957	0.00584	2	1	36.9	0
P12163_1_F5,20026	R.FLAVDAVEK.A	1599.957	0.00808	2	1	53.5	0
P12163_1_F5,20050	R.FLAVDAVEK.A	1599.957	0.00348	3	1	41.8	0
P12163_1_F6,19638	R.FLAVDAVEK.A	1599.957	-0.0001	2	1	40.8	0
P12163_1_F6,19663	R.FLAVDAVEK.A	1599.957	0.00165	3	1	28.3	0

P12163_1_F6,20081 R.FLAVDAVEK.A	1599.957	0.0073	2	1	41.8	0
P12163_1_F6,20087 R.FLAVDAVEK.A	1599.957	0.00549	3	1	40.4	0
P12163_1_F7,18637 R.FLAVDAVEK.A	1599.957	0.00126	3	1	44.4	0
P12163_1_F7,18825 R.FLAVDAVEK.A	1599.957	0.00376	2	1	51.7	0
P12163_1_F7,19268 R.FLAVDAVEK.A	1599.957	0.00669	3	1	42	0
P12163_1_F9,19664 R.FLAVDAVEK.A	1599.957	0.00418	2	1	32.6	0
P12163_1_S10,1883 R.FLAVDAVEK.A	1599.957	0.00543	3	1	49.6	0
P12163_2_F1,20513 R.FLAVDAVEK.A	1599.957	0.00312	3	1	34.5	0
P12163_2_F1,20521 R.FLAVDAVEK.A	1599.957	0.0053	2	1	48	0
P12163_2_F1,20732 R.FLAVDAVEK.A	1599.957	0.00456	3	1	40.3	0
P12163_2_F1,20742 R.FLAVDAVEK.A	1599.957	0.00728	2	1	51.6	0
P12163_2_F2,49 R.FLAVDAVEK.A	1599.957	0.00492	3	1	41.9	0
P12163_2_F4,18196 R.FLAVDAVEK.A	1599.957	0.00154	2	1	36.8	0
P12163_2_F4,18232 R.FLAVDAVEK.A	1599.957	0.00042	3	1	39	0
P12163_2_F4,18419 R.FLAVDAVEK.A	1599.957	0.00228	2	1	48.8	0
P12163_2_F4,18820 R.FLAVDAVEK.A	1599.957	0.0058	2	1	52.4	0
P12163_2_S5,18477 R.FLAVDAVEK.A	1599.957	0.0063	3	1	28.2	0
P12163_2_S5,18495 R.FLAVDAVEK.A	1599.957	0.0036	2	1	48.2	0
P12163_2_F10,1504 R.HVAEGATLEAEWNAK	2234.203	0.00184	4	1	61	0
P12163_2_F7,12094 R.HVAEGATLEAEWNAK	2234.203	0.00248	4	1	22.7	0
P12163_2_F7,14614 R.HVAEGATLEAEWNAK	2234.203	0.00331	3	1	55.2	0
P12163_2_F7,14674 R.HVAEGATLEAEWNAK	2234.203	0.00392	4	1	59.4	0
P12163_1_F4,15092 R.NLSQTCLNALAK.T	1941.105	0.0065	2	1	26.1	0
P12163_1_F4,15497 R.NLSQTCLNALAK.T	1941.105	0.00516	2	1	38.6	0
P12163_1_F4,15521 R.NLSQTCLNALAK.T	1941.105	0.00329	3	1	42.7	0
P12163_1_F4,17937 R.NLSQTCLNALAK.T	1941.105	0.00698	2	1	70.6	0
P12163_1_F4,17948 R.NLSQTCLNALAK.T	1941.105	0.00596	3	1	48	0
P12163_1_F4,18290 R.NLSQTCLNALAK.T	1941.105	0.00977	3	1	43.1	0
P12163_1_F4,18325 R.NLSQTCLNALAK.T	1941.105	0.00946	2	1	56.3	0
P12163_1_F4,18550 R.NLSQTCLNALAK.T	1941.105	0.01169	3	1	29.2	0
P12163_1_F5,16718 R.NLSQTCLNALAK.T	1941.105	0.0048	2	1	53.9	0
P12163_1_F5,16728 R.NLSQTCLNALAK.T	1941.105	0.00698	3	1	27.6	0
P12163_1_F7,15865 R.NLSQTCLNALAK.T	1941.105	0.00371	3	1	24.1	0
P12163_1_F7,16365 R.NLSQTCLNALAK.T	1941.105	0.01064	2	1	24.6	0
P12163_1_F9,16868 R.NLSQTCLNALAK.T	1941.105	0.00143	3	1	38.4	0
P12163_1_F9,16915 R.NLSQTCLNALAK.T	1941.105	0.00526	2	1	73.5	0
P12163_2_F1,17197 R.NLSQTCLNALAK.T	1941.105	0.00238	2	1	69.8	0
P12163_2_F1,17219 R.NLSQTCLNALAK.T	1941.105	0.00695	3	1	38.2	0
P12163_2_F1,17469 R.NLSQTCLNALAK.T	1941.105	0.00263	3	1	42.4	0
P12163_2_F1,18393 R.NLSQTCLNALAK.T	1941.105	0.00602	2	1	33.5	0
P12163_2_F1,18404 R.NLSQTCLNALAK.T	1941.105	0.00416	3	1	39.5	0
P12163_2_F2,92 R.NLSQTCLNALAK.T	1941.105	0.00206	3	1	48.6	0
P12163_2_F2,1347 R.NLSQTCLNALAK.T	1941.105	0.00506	3	1	26.6	0
P12163_2_F2,17559 R.NLSQTCLNALAK.T	1941.105	0.00124	2	1	45.4	0
P12163_2_F4,15560 R.NLSQTCLNALAK.T	1941.105	0.00143	3	1	23.8	0
P12163_2_F9,15679 R.NLSQTCLNALAK.T	1941.105	0.00725	3	1	37.8	0
P12163_2_S5,15806 R.NLSQTCLNALAK.T	1941.105	-0.01039	3	1	27.8	0
P12163_2_F10,1431 R.QKLPFLAGTSIDGVEK	2605.544	0.01173	3	1	45.6	0
P12163_1_F4,20995 R.VSIEAGSTFGWEK.I	2019.101	0.00025	2	1	59.8	0
P12163_1_F4,21001 R.VSIEAGSTFGWEK.I	2019.101	0.0069	3	1	47.1	0
P12163_1_F3,14821 R.VTTTIGFGSPNK.A	1830.058	0.00495	3	1	22.4	0

P12163_1_F3,15530 R.VTTTIGFGSPNK.A	1830.058	0.00324	3	1	23.3	0
P12163_1_F3,15535 R.VTTTIGFGSPNK.A	1830.058	0.00309	3	1	22.2	0
P12163_1_F4,15159 R.VTTTIGFGSPNK.A	1830.058	-0.00131	2	1	27.9	0
P12163_1_F4,15162 R.VTTTIGFGSPNK.A	1830.058	0.00756	3	1	26.8	0
P12163_1_F4,15492 R.VTTTIGFGSPNK.A	1830.058	0.00192	3	1	42.1	0
P12163_1_F4,15534 R.VTTTIGFGSPNK.A	1830.058	0.00317	2	1	46.8	0
P12163_1_F4,16079 R.VTTTIGFGSPNK.A	1830.058	0.00486	3	1	29.4	0
P12163_1_F4,17962 R.VTTTIGFGSPNK.A	1830.058	0.00685	2	1	59.4	0
P12163_1_F5,16485 R.VTTTIGFGSPNK.A	1830.058	-0.00051	2	1	58.5	0
P12163_1_F6,16563 R.VTTTIGFGSPNK.A	1830.058	-0.00055	2	1	63	0
P12163_1_F6,16570 R.VTTTIGFGSPNK.A	1830.058	0.00189	3	1	44.1	0
P12163_1_F6,16995 R.VTTTIGFGSPNK.A	1830.058	0.00471	2	1	55.6	0
P12163_1_F7,15686 R.VTTTIGFGSPNK.A	1830.058	0.00865	2	1	26.5	0
P12163_1_F7,16133 R.VTTTIGFGSPNK.A	1830.058	0.00399	2	1	43.3	0
P12163_1_F9,16758 R.VTTTIGFGSPNK.A	1830.058	0.00207	2	1	63.2	0
P12163_1_F9,16763 R.VTTTIGFGSPNK.A	1830.058	-0.00027	3	1	41.2	0
P12163_1_S10,1613 R.VTTTIGFGSPNK.A	1830.058	0.00561	3	1	48.6	0
P12163_2_F1,14553 R.VTTTIGFGSPNK.A	1830.058	0.0051	3	1	27.1	0
P12163_2_F1,14573 R.VTTTIGFGSPNK.A	1830.058	0.00055	2	1	46.6	0
P12163_2_F1,16906 R.VTTTIGFGSPNK.A	1830.058	0.01117	2	1	37.1	0
P12163_2_F1,17168 R.VTTTIGFGSPNK.A	1830.058	0.00247	2	1	42.6	0
P12163_2_F1,17428 R.VTTTIGFGSPNK.A	1830.058	0.01361	2	1	25.1	0
P12163_2_F2,890 R.VTTTIGFGSPNK.A	1830.058	0.00555	3	1	38.7	0
P12163_2_F2,922 R.VTTTIGFGSPNK.A	1830.058	0.00435	2	1	64.1	0
P12163_2_F2,1112 R.VTTTIGFGSPNK.A	1830.058	0.00585	3	1	42.4	0
P12163_2_F2,1122 R.VTTTIGFGSPNK.A	1830.058	0.00461	2	1	63.5	0
P12163_2_F2,1323 R.VTTTIGFGSPNK.A	1830.058	0.00533	2	1	37.1	0
P12163_2_F2,1502 R.VTTTIGFGSPNK.A	1830.058	0.00621	3	1	38	0
P12163_2_F2,1508 R.VTTTIGFGSPNK.A	1830.058	0.00549	2	1	62.1	0
P12163_2_F2,1686 R.VTTTIGFGSPNK.A	1830.058	0.00486	3	1	42.6	0
P12163_2_F2,1699 R.VTTTIGFGSPNK.A	1830.058	0.00455	2	1	70.3	0
P12163_2_F2,2100 R.VTTTIGFGSPNK.A	1830.058	0.00527	2	1	58.7	0
P12163_2_F2,2293 R.VTTTIGFGSPNK.A	1830.058	0.00443	2	1	28.6	0
P12163_2_F4,15332 R.VTTTIGFGSPNK.A	1830.058	-0.00499	2	1	26	0
P12163_2_F4,15383 R.VTTTIGFGSPNK.A	1830.058	0.00204	3	1	52.8	0
P12163_2_F4,15799 R.VTTTIGFGSPNK.A	1830.058	0.00597	2	1	57	0
P12163_2_F9,15353 R.VTTTIGFGSPNK.A	1830.058	0.00624	3	1	49.6	0
P12163_2_S5,15475 R.VTTTIGFGSPNK.A	1830.058	0.00282	3	1	35.3	0
P12163_1_S1,15677 K.ADLVNNLGTIAR.S	1560.901	0.0024	3	1	41.2	0
P12163_1_S1,15932 K.ADLVNNLGTIAR.S	1560.901	-0.00255	3	1	41.6	0
P12163_1_S1,18650 K.ADLVNNLGTIAR.S	1560.901	0.0055	2	1	28.9	0
P12163_1_S1,18878 K.ADLVNNLGTIAR.S	1560.901	-0.0034	2	1	40.5	0
P12163_1_S1,19114 K.ADLVNNLGTIAR.S	1560.901	0.00182	2	1	36.1	0
P12163_1_F2,12527 K.AVENSPFLER.L	1465.795	0.00461	3	1	36.5	0
P12163_1_F2,16492 K.AVENSPFLER.L	1465.795	0.00423	2	1	44.5	0
P12163_1_F4,22914 K.CIEMFNEIAENK.E	2106.082	0.00666	3	1	47.9	0
P12163_1_F4,22948 K.CIEMFNEIAENK.E	2106.082	0.00428	2	1	25.1	0
P12163_1_F9,17151 K.DIYYITGESR.K	1520.79	0.00271	2	1	32.6	0
P12163_1_S1,15468 K.DIYYITGESR.K	1520.79	0.00244	3	1	27.1	0
P12163_1_S1,17060 K.DIYYITGESR.K	1520.79	0.00451	2	1	35.2	0
P12163_2_F7,15328 K.DIYYITGESR.K	1520.79	0.00325	2	1	30.6	0

P12163_1_S1,12359	K.EDQCEYLEER.R	1674.758	0.00384	2	1	63	0
P12163_1_S1,12384	K.EDQCEYLEER.R	1674.758	0.00226	3	1	48.1	0
P12163_1_F5,15691	K.EEYASFYK.S	1644.873	0.00763	2	1	23.9	0
P12163_1_F5,15704	K.EEYASFYK.S	1644.873	0.00426	3	1	31.6	0
P12163_1_F9,15863	K.EEYASFYK.S	1644.873	0.00549	2	1	31	0
P12163_2_F8_12070	K.EEYASFYK.S	1644.873	0.00462	3	1	33.7	0
P12163_1_F9,17085	K.EVTHEWQLINK.Q	2005.133	0.00511	3	1	46.4	0
P12163_1_F9,17087	K.EVTHEWQLINK.Q	2005.133	-0.00478	2	1	51.6	0
P12163_2_F7,15254	K.EVTHEWQLINK.Q	2005.133	-0.0019	2	1	59.1	0
P12163_2_F7,15262	K.EVTHEWQLINK.Q	2005.133	0.00394	3	1	43.8	0
P12163_2_F9,16369	K.EVTHEWQLINK.Q	2005.133	0.00892	3	1	32.3	0
P12163_1_F5,19326	K.FYDAFSK.N	1485.82	0.00722	2	1	25.2	0
P12163_2_F1,19877	K.FYDAFSK.N	1485.82	0.0069	2	1	24	0
P12163_2_F8_12070	K.FYDAFSK.N	1485.82	0.0066	2	1	25	0
P12163_1_F6,17743	K.HFSVEGQLEFK.A	1929.069	0.0011	3	1	22.7	0
P12163_1_F4,25399	K.ITLFLK.E	1342.892	0.00753	2	1	25.4	0
P12163_1_F5,23617	K.ITLFLK.E	1342.892	0.00729	2	1	25.1	0
P12163_2_F1,24654	K.ITLFLK.E	1342.892	0.00501	2	1	26.3	0
P12163_1_F4,12196	K.LEEDEEEK.K	1628.847	0.00595	2	1	35.1	0
P12163_1_F9,9762	K.LGIHEDSQNR.A	1472.776	-0.00032	2	1	32.1	0
P12163_1_F9,9785	K.LGIHEDSQNR.A	1472.776	0.00454	3	1	33	0
P12163_2_F7,9192	K.LGIHEDSQNR.A	1472.776	0.00334	3	1	26	0
P12163_2_S5,9602	K.LGIHEDSQNR.A	1472.776	0.00202	2	1	28.5	0
P12163_1_F9,19910	K.RAPFDLFDTR.K ! R.RA	1541.838	0.00235	3	1	40	0
P12163_2_F6,19841	K.RAPFDLFDTR.K ! R.RA	1541.838	0.00109	3	1	32.8	0
P12163_2_F7,18080	K.RAPFDLFDTR.K ! R.RA	1541.838	-0.00002	3	1	41.1	0
P12163_1_F5,14036	K.SFENLCK.T	1505.824	0.00814	2	1	42.2	0
P12163_1_F5,14063	K.SFENLCK.T	1505.824	0.00391	3	1	29.8	0
P12163_2_F2,14713	K.SFENLCK.T	1505.824	0.01244	2	1	24.1	0
P12163_2_F2,14744	K.SFENLCK.T	1505.824	0.00592	3	1	34.3	0
P12163_2_F2,14943	K.SFENLCK.T	1505.824	0.00802	2	1	25.4	0
P12163_2_F1,9434	K.SGDEM*TSLK.D	1591.846	0.00757	2	1	31.2	0
P12163_1_F4,13654	K.SGDEMTSLK.D	1575.851	0.00571	2	1	24.6	0
P12163_1_F5,12256	K.SGDEMTSLK.D	1575.851	0.00793	2	1	34	0
P12163_2_F1,12597	K.SGDEMTSLK.D	1575.851	0.00747	2	1	24.5	0
P12163_2_F6,17910	K.SLTNDWEDHLAVK.H	2136.155	-0.00098	2	1	49.6	0
P12163_2_F6,17974	K.SLTNDWEDHLAVK.H	2136.155	0.00447	3	1	43.4	0
P12163_1_F3,17787	K.TLSIIDSGVGMTK.A	1930.114	0.00426	3	1	24.7	0
P12163_1_F3,20960	K.TLSIIDSGVGMTK.A	1930.114	0.00482	2	1	30.2	0
P12163_1_S1,20491	R.APFDLFDTR.K	1385.737	0.00241	3	1	28.1	0
P12163_1_S1,22182	R.APFDLFDTR.K	1385.737	0.00298	2	1	42.3	0
P12163_1_F4,14614	R.DSSMSSYMSSK.K	1817.887	0.00689	2	1	45.3	0
P12163_2_F1,13553	R.DSSMSSYMSSK.K	1817.887	-0.00071	2	1	32.4	0
P12163_1_S1,9519	R.DVSGEPLGR.G	1233.674	0.00335	3	1	25.8	0
P12163_1_F2,15902	R.ELISNSSDALDK.I	1900.048	0.0047	3	1	40.5	0
P12163_1_F3,14259	R.ELISNSSDALDK.I	1900.048	0.00259	2	1	44.1	0
P12163_1_F3,14319	R.ELISNSSDALDK.I	1900.048	0.00539	3	1	30	0
P12163_1_F3,14581	R.ELISNSSDALDK.I	1900.048	0.00555	2	1	37.5	0
P12163_1_F3,16381	R.ELISNSSDALDK.I	1900.048	0.00691	2	1	58.1	0
P12163_1_F6,15715	R.ELISNSSDALDK.I	1900.048	-0.00055	3	1	46.2	0
P12163_1_F6,15961	R.ELISNSSDALDK.I	1900.048	0.00107	3	1	41.3	0

P12163_2_F2,15969 R.ELISNSSDALDK.I	1900.048	0.00515	3	1	22	0
P12163_1_F5,8327 R.ETLQQNK.I	1468.858	0.00396	2	1	25.5	0
P12163_2_F2,9394 R.ETLQQNK.I	1468.858	0.00682	2	1	27.2	0
P12163_1_S1,15677 K.ADLVNNLGTIAR.S	1560.901	0.0024	3	1	41.2	0
P12163_1_S1,15932 K.ADLVNNLGTIAR.S	1560.901	-0.00255	3	1	41.6	0
P12163_1_S1,18650 K.ADLVNNLGTIAR.S	1560.901	0.0055	2	1	28.9	0
P12163_1_S1,18878 K.ADLVNNLGTIAR.S	1560.901	-0.0034	2	1	40.5	0
P12163_1_S1,19114 K.ADLVNNLGTIAR.S	1560.901	0.00182	2	1	36.1	0
P12163_1_F2,12527 K.AVENSPFLER.L	1465.795	0.00461	3	1	36.5	0
P12163_1_F2,16492 K.AVENSPFLER.L	1465.795	0.00423	2	1	44.5	0
P12163_1_F4,20000 K.AVLFVPK.R	1381.903	0.0068	2	1	30.6	0
P12163_1_F4,20051 K.AVLFVPK.R	1381.903	0.00871	3	1	24.5	0
P12163_2_F1,19493 K.AVLFVPK.R	1381.903	0.00337	3	1	26.2	0
P12163_1_F4,22914 K.CIEMFNEIAENK.E	2106.082	0.00666	3	1	47.9	0
P12163_1_F4,22948 K.CIEMFNEIAENK.E	2106.082	0.00428	2	1	25.1	0
P12163_1_F3,18026 K.DIYYITGESK.K	1796.989	0.00417	2	1	42.6	0
P12163_1_F4,18577 K.DIYYITGESK.K	1796.989	0.00525	2	1	43.5	0
P12163_1_F4,18582 K.DIYYITGESK.K	1796.989	0.00603	3	1	41.8	0
P12163_2_F9,16447 K.DIYYITGESK.K	1796.989	0.00659	2	1	28.2	0
P12163_1_F2,16944 K.EDQLEYLEER.R	1627.812	-0.00283	2	1	29.8	0
P12163_1_F9,16746 K.EDQLEYLEER.R	1627.812	0.00919	2	1	43.2	0
P12163_1_S1,16825 K.EDQLEYLEER.R	1627.812	0.00677	2	1	45.5	0
P12163_2_F2,16794 K.EDQLEYLEER.R	1627.812	-0.00059	2	1	33.3	0
P12163_1_F5,15691 K.EEYASFYK.S	1644.873	0.00763	2	1	23.9	0
P12163_1_F5,15704 K.EEYASFYK.S	1644.873	0.00426	3	1	31.6	0
P12163_1_F9,15863 K.EEYASFYK.S	1644.873	0.00549	2	1	31	0
P12163_2_F8_12070 K.EEYASFYK.S	1644.873	0.00462	3	1	33.7	0
P12163_1_F9,17037 K.EVSHEWQLINK.Q	1991.117	0.0024	2	1	53.2	0
P12163_2_F9,16277 K.EVSHEWQLINK.Q	1991.117	0.00657	3	1	23.8	0
P12163_1_F5,19326 K.FYDAFSK.N	1485.82	0.00722	2	1	25.2	0
P12163_2_F1,19877 K.FYDAFSK.N	1485.82	0.0069	2	1	24	0
P12163_2_F8_12070 K.FYDAFSK.N	1485.82	0.0066	2	1	25	0
P12163_1_F6,17743 K.HFSVEGQLEFK.A	1929.069	0.0011	3	1	22.7	0
P12163_1_F9,9762 K.LGIHEDSQNR.A	1472.776	-0.00032	2	1	32.1	0
P12163_1_F9,9785 K.LGIHEDSQNR.A	1472.776	0.00454	3	1	33	0
P12163_2_F7,9192 K.LGIHEDSQNR.A	1472.776	0.00334	3	1	26	0
P12163_2_S5,9602 K.LGIHEDSQNR.A	1472.776	0.00202	2	1	28.5	0
P12163_1_F9,19910 K.RAPFDLFDTR.K ! R.RA	1541.838	0.00235	3	1	40	0
P12163_2_F6,19841 K.RAPFDLFDTR.K ! R.RA	1541.838	0.00109	3	1	32.8	0
P12163_2_F7,18080 K.RAPFDLFDTR.K ! R.RA	1541.838	-0.00002	3	1	41.1	0
P12163_1_F5,14036 K.SFENLCK.T	1505.824	0.00814	2	1	42.2	0
P12163_1_F5,14063 K.SFENLCK.T	1505.824	0.00391	3	1	29.8	0
P12163_2_F2,14713 K.SFENLCK.T	1505.824	0.01244	2	1	24.1	0
P12163_2_F2,14744 K.SFENLCK.T	1505.824	0.00592	3	1	34.3	0
P12163_2_F2,14943 K.SFENLCK.T	1505.824	0.00802	2	1	25.4	0
P12163_2_F6,17910 K.SLTNDWEDHLAVK.H	2136.155	-0.00098	2	1	49.6	0
P12163_2_F6,17974 K.SLTNDWEDHLAVK.H	2136.155	0.00447	3	1	43.4	0
P12163_1_F4,15375 K.SSEELTSK.D	1601.921	0.00305	2	1	31.1	0
P12163_2_F1,14317 K.SSEELTSK.D	1601.921	0.00693	2	1	33.7	0
P12163_1_F2,20353 K.TLTIVDSGIGM*TK.A	1960.124	0.00565	3	1	40.6	0
P12163_1_S1,20491 R.APFDLFDTR.K	1385.737	0.00241	3	1	28.1	0

P12163_1_S1,22182	R.APFDLFDTR.K	1385.737	0.00298	2	1	42.3	0
P12163_2_F1,13547	R.DNSMSSYMSSK.K	1844.898	-0.00372	2	1	26.3	0
P12163_1_S1,9519	R.DVSGEPLGR.G	1233.674	0.00335	3	1	25.8	0
P12163_1_F2,15902	R.ELISNSSDALDK.I	1900.048	0.0047	3	1	40.5	0
P12163_1_F3,14259	R.ELISNSSDALDK.I	1900.048	0.00259	2	1	44.1	0
P12163_1_F3,14319	R.ELISNSSDALDK.I	1900.048	0.00539	3	1	30	0
P12163_1_F3,14581	R.ELISNSSDALDK.I	1900.048	0.00555	2	1	37.5	0
P12163_1_F3,16381	R.ELISNSSDALDK.I	1900.048	0.00691	2	1	58.1	0
P12163_1_F6,15715	R.ELISNSSDALDK.I	1900.048	-0.00055	3	1	46.2	0
P12163_1_F6,15961	R.ELISNSSDALDK.I	1900.048	0.00107	3	1	41.3	0
P12163_2_F2,15969	R.ELISNSSDALDK.I	1900.048	0.00515	3	1	22	0
P12163_2_F2,11588	R.EMLQQNK.I	1498.851	0.00874	3	1	26.5	0
P12163_1_F5,16750	R.FESLTDK.S	1447.825	0.00725	2	1	25.5	0
P12163_2_F1,17201	R.FESLTDK.S	1447.825	0.00583	2	1	25.5	0
P12163_2_F1,17233	R.FESLTDK.S	1447.825	0.00501	3	1	28.6	0
P12163_1_F8,9944	K.ETGIEQRPDGVVCR.W	1919.991	0.00051	4	1	24.1	0
P12163_1_F8,11227	K.ETGIEQRPDGVVCR.W	1919.991	0.00382	2	1	41.1	0
P12163_2_F6,11067	K.ETGIEQRPDGVVCR.W	1919.991	0.00268	2	1	24.8	0
P12163_2_F6,20436	K.FWEAADELGHK.E	1911.022	0.00399	3	1	59.4	0
P12163_2_F6,20473	K.FWEAADELGHK.E	1911.022	0.00409	2	1	56.1	0
P12163_2_F1,16996	K.ILDVSK.E	1282.819	0.0093	3	1	23.5	0
P12163_1_F2,5264	K.NGESSGTAEVSR.F	1497.745	0.00071	3	1	22.6	0
P12163_1_F2,6416	K.NGESSGTAEVSR.F	1497.745	0.00298	2	1	42.5	0
P12163_2_F1,10577	K.NGNGDEWQEK.W	1784.902	0.00649	2	1	33.5	0
P12163_1_F2,6438	K.NSENGTAEVPER.D	1693.829	0.00357	3	1	25.6	0
P12163_1_F2,6915	K.NSENGTAEVPER.D	1693.829	0.00135	3	1	32.5	0
P12163_1_F4,18047	K.NSESSGAAEISPFVK.N	2131.149	0.00197	2	1	75	0
P12163_2_F1,17268	K.NSESSGAAEISPFVK.N	2131.149	0.00712	3	1	44.5	0
P12163_2_F1,17299	K.NSESSGAAEISPFVK.N	2131.149	0.00135	2	1	77.3	0
P12163_2_F2,17180	K.QGETWWAGK.Y	1670.911	0.00414	2	1	23.9	0
P12163_2_S5,16865	K.SSSGELWDTHEQQETV	2672.217	0.01051	3	1	63.7	0
P12163_1_F2,16702	K.SSVYTPVNPVVEK.A	2124.216	0.00432	2	1	52.5	0
P12163_2_F6,16392	K.SSVYTPVNPVVEK.A	2124.216	0.00172	2	1	35.1	0
P12163_1_F2,11959	K.VDELATR.G	1107.631	0.0022	3	1	23.3	0
P12163_2_F4,15685	K.WCSIDPNTQLDAGHA	2833.353	-0.00004	4	1	35.5	0
P12163_2_F4,15698	K.WCSIDPNTQLDAGHA	2833.353	-0.00129	5	1	36.4	0
P12163_2_F4,15721	K.WCSIDPNTQLDAGHA	2833.353	0.00072	3	1	98.6	0
P12163_1_F3,13965	R.AAAAIAAAR.A	1089.668	0.0032	2	1	25.9	0
P12163_2_F2,14493	R.AILEEK.N	1310.814	0.00295	2	1	23.9	0
P12163_2_F2,14510	R.AILEEK.N	1310.814	0.00375	3	1	26.1	0
P12163_2_F1,11176	R.CEGDGWSK.W	1546.778	0.00554	2	1	29.1	0
P12163_2_F10,1897	R.DLGALFSAHAAEAAH.	2516.372	0.00551	4	1	62.2	0
P12163_2_F8_1207C	R.DLGALFSAHAAEAAH.	2516.372	0.00511	4	1	56.2	0
P12163_2_F8_1207C	R.DLGALFSAHAAEAAH.	2516.372	0.0081	3	1	33.8	0
P12163_1_F5,12492	R.DLQMAEK.S	1442.813	0.00896	3	1	29	0
P12163_1_S1,18828	R.DSSGALSAGIFVPR.S	1680.922	0.00554	2	1	52.9	0
P12163_1_S1,18840	R.DSSGALSAGIFVPR.S	1680.922	0.00459	3	1	60.5	0
P12163_1_F2,6429	R.GINPDGSR.W	1119.606	0.00178	3	1	22.7	0
P12163_1_F4,18310	R.GVSADEALEWQEK.F	2070.096	0.0138	3	1	48	0
P12163_1_F4,18331	R.GVSADEALEWQEK.F	2070.096	-0.00027	2	1	46.4	0
P12163_1_S10,1659	R.KPSEFQEEPFEIQDK.R	2763.497	0.00593	4	1	22.8	0

P12163_2_F6,16868	R.KPSEFQEEPFEIQDK.R	2763.497	0.01293	3	1	53.4	0
P12163_2_F6,16900	R.KPSEFQEEPFEIQDK.R	2763.497	0.01205	4	1	40.8	0
P12163_1_F2,23516	R.SVDILPIPFESK.L	1953.152	0.00523	2	1	38.9	0
P12163_1_F2,23524	R.SVDILPIPFESK.L	1953.152	0.00579	3	1	29.3	0
P12163_1_F5,23325	R.SVDILPIPFESK.L	1953.152	0.00303	3	1	28.5	0
P12163_1_S1,20381	R.SVDILPIPFESK.L	1953.152	0.00666	3	1	34	0
P12163_1_S1,20397	R.SVDILPIPFESK.L	1953.152	0.00644	4	1	40.3	0
P12163_1_S1,20871	R.SVDILPIPFESK.L	1953.152	0.00855	3	1	35.7	0
P12163_1_S1,22149	R.SVDILPIPFESK.L	1953.152	0.01083	3	1	24.4	0
P12163_1_F3,18795	K.CTYSGVNLSSETFPK.N	2340.2	0.00682	3	1	48	0
P12163_1_F4,20599	K.DFDEFIAK.H	1592.878	0.00511	3	1	28.2	0
P12163_1_F4,20623	K.DFDEFIAK.H	1592.878	0.0051	2	1	34.8	0
P12163_1_S1,9541	K.EENELADQGT.PR.S	1662.824	0.00527	3	1	25.3	0
P12163_1_S1,10733	K.EENELADQGT.PR.S	1662.824	0.01001	2	1	28	0
P12163_1_F4,17115	K.EYFELSNSQSK.E	1852.99	0.0119	2	1	24.1	0
P12163_1_F3,25714	K.FFSPPILNTTYIK.N	2149.252	0.00601	3	1	25.5	0
P12163_1_F7,18282	K.GDVSLPHYLEQSDFR.I	2067.045	0.00025	3	1	24.3	0
P12163_1_F8,19083	K.GDVSLPHYLEQSDFR.I	2067.045	0.00202	2	1	31.8	0
P12163_1_F8,19104	K.GDVSLPHYLEQSDFR.I	2067.045	0.00346	3	1	32.3	0
P12163_2_S5,17877	K.GDVSLPHYLEQSDFR.I	2067.045	0.00241	3	1	32.6	0
P12163_2_F4,8977	K.HEFHRLR.F	1142.637	0.0033	3	1	27	0
P12163_1_F5,13310	K.LSDYTNAK.T	1519.858	0.00636	2	1	25.3	0
P12163_1_F5,17039	K.NNYFFATEK.L	1741.937	0.0035	2	1	37.6	0
P12163_1_F5,17063	K.NNYFFATEK.L	1741.937	0.0057	3	1	34.6	0
P12163_1_S10,1709	K.NNYFFATEK.L	1741.937	0.00363	3	1	33.4	0
P12163_2_F2,17738	K.NNYFFATEK.L	1741.937	-0.00219	3	1	33.4	0
P12163_2_F8_12070	K.NNYFFATEK.L	1741.937	0.00348	3	1	32.9	0
P12163_2_F2,17358	K.NQLIQLK.F	1464.936	0.00593	2	1	27.4	0
P12163_2_F2,17377	K.NQLIQLK.F	1464.936	0.00472	3	1	27.8	0
P12163_2_F2,11660	K.QAEGWDK.R	1441.79	0.00289	2	1	24.9	0
P12163_2_F7,17166	K.QHFHEADLLR.N	1579.853	0.00061	3	1	35	0
P12163_1_F3,20626	K.QVILGSVLSNQE.K.D	2023.201	0.00339	3	1	47.8	0
P12163_2_F1,20757	K.QVILGSVLSNQE.K.D	2023.201	0.00534	3	1	51.9	0
P12163_2_F2,20370	K.SYLFLK.F	1378.855	0.00569	3	1	23.7	0
P12163_2_F8_12070	K.TVIWKPVQANAHSPLI	2800.608	0.01699	4	1	22.5	0
P12163_1_F3,23569	R.GEMSLPILITK.K	1810.097	0.00654	2	1	37.1	0
P12163_1_F3,23604	R.GEMSLPILITK.K	1810.097	0.00362	3	1	39.3	0
P12163_1_F4,20540	R.IPSPIFTK.K	1510.945	0.00465	2	1	26.4	0
P12163_1_F4,20559	R.IPSPIFTK.K	1510.945	0.00462	3	1	24.1	0
P12163_1_F8,14901	R.LVVAVDHQTK.G	1718.042	0.00744	2	1	35.3	0
P12163_1_F8,14922	R.LVVAVDHQTK.G	1718.042	0.00515	3	1	28.2	0
P12163_1_F4,24721	R.SFFEPIFK.E	1622.94	0.00559	2	1	28.4	0
P12163_2_F2,12861	R.SLVQVNNK.E	1509.921	0.00938	2	1	43.5	0
P12163_2_F2,10037	R.TQLCNDK.T	1486.814	0.00788	2	1	24.6	0
P12163_1_F4,10942	R.VHMYPR.L	1106.608	0.00731	3	1	30.9	0
P12163_1_F9,19450	K.AAPGGSFILLHGCAHN	3708.905	0.00288	4	1	22.6	0
P12163_1_F3,15351	K.AEMEMMAGR.I	1329.627	0.00258	2	1	25.6	0
P12163_1_F5,5708	K.AQSDNM*TNK.W	1632.847	0.0013	2	1	27.4	0
P12163_1_F4,8787	K.AQSDNMTNK.W	1616.852	0.00718	2	1	31.6	0
P12163_1_F5,7656	K.AQSDNMTNK.W	1616.852	0.008	2	1	38.5	0
P12163_2_F1,8172	K.AQSDNMTNK.W	1616.852	0.0053	2	1	40.9	0

P12163_2_F2,8529	K.AQSDNMTNK.W	1616.852	0.00446	2	1	39	0
P12163_1_F3,14679	K.DIPDVEGDK.A ! K.DIP	1595.874	0.00691	2	1	35.9	0
P12163_1_F2,23746	K.EYLPIEGLAAFNK.V	2073.184	0.00274	2	1	48.2	0
P12163_1_F2,23918	K.EYLPIEGLAAFNK.V	2073.184	0.01052	3	1	37.6	0
P12163_1_F3,24782	K.EYLPIEGLAAFNK.V	2073.184	0.00659	3	1	42.6	0
P12163_1_F3,24796	K.EYLPIEGLAAFNK.V	2073.184	0.01008	2	1	46.9	0
P12163_1_F5,23786	K.EYLPIEGLAAFNK.V	2073.184	0.0074	3	1	40.4	0
P12163_1_F6,23326	K.EYLPIEGLAAFNK.V	2073.184	0.00278	3	1	33.7	0
P12163_1_F7,22762	K.EYLPIEGLAAFNK.V	2073.184	0.00689	3	1	45.8	0
P12163_2_F8_12070	K.EYLPIEGLAAFNK.V	2073.184	-0.00031	3	1	29.1	0
P12163_1_F4,19448	K.IADVIQEK.N	1523.925	0.00739	2	1	35.8	0
P12163_1_F5,18261	K.IADVIQEK.N	1523.925	0.00917	2	1	32.4	0
P12163_1_F6,18524	K.IADVIQEK.N	1523.925	0.00437	2	1	32	0
P12163_1_F7,17162	K.IADVIQEK.N	1523.925	0.00193	2	1	28.8	0
P12163_1_F8,18515	K.IADVIQEK.N	1523.925	0.00599	2	1	33.5	0
P12163_2_F1,18634	K.IADVIQEK.N	1523.925	0.00879	3	1	29.7	0
P12163_2_F1,18679	K.IADVIQEK.N	1523.925	0.00795	2	1	34	0
P12163_2_F4,16770	K.IADVIQEK.N	1523.925	0.00255	2	1	31.1	0
P12163_2_F4,16779	K.IADVIQEK.N	1523.925	0.00063	3	1	22.7	0
P12163_2_S5,16538	K.IADVIQEK.N	1523.925	0.00072	3	1	26	0
P12163_2_S5,17091	K.IADVIQEK.N	1523.925	0.00665	2	1	26.5	0
P12163_2_S5,17092	K.IADVIQEK.N	1523.925	0.00597	3	1	31.1	0
P12163_1_F9,17259	K.INLGVGAYR.D ! K.LNI	1266.747	-0.00395	2	1	33.1	0
P12163_1_F9,14424	K.KAENMLER.G	1711.998	0.00711	3	1	29.8	0
P12163_1_F3,19306	K.LFDSLSAK.D	1488.888	0.0118	2	1	25.3	0
P12163_1_F4,21559	K.LFDSLSAK.D	1488.888	0.00625	3	1	32.5	0
P12163_1_F4,21595	K.LFDSLSAK.D	1488.888	0.00898	2	1	30.8	0
P12163_1_F4,23037	K.LFDSLSAK.D	1488.888	0.00516	2	1	30.5	0
P12163_1_F4,23087	K.LFDSLSAK.D	1488.888	0.00319	3	1	25.4	0
P12163_1_F5,20394	K.LFDSLSAK.D	1488.888	0.00836	2	1	31.1	0
P12163_1_F6,437	K.LFDSLSAK.D	1488.888	0.00784	3	1	22	0
P12163_1_F6,20257	K.LFDSLSAK.D	1488.888	0.00494	2	1	33	0
P12163_1_F6,20286	K.LFDSLSAK.D	1488.888	0.00328	3	1	25.7	0
P12163_1_F7,19002	K.LFDSLSAK.D	1488.888	0.00216	2	1	26	0
P12163_1_F7,19013	K.LFDSLSAK.D	1488.888	0.00112	3	1	22.8	0
P12163_1_F7,19491	K.LFDSLSAK.D	1488.888	0.00648	2	1	27.8	0
P12163_1_F9,19794	K.LFDSLSAK.D	1488.888	0.00902	2	1	28.3	0
P12163_2_F1,20678	K.LFDSLSAK.D	1488.888	0.00625	3	1	32	0
P12163_2_F1,20690	K.LFDSLSAK.D	1488.888	0.00748	2	1	30.8	0
P12163_2_F1,20940	K.LFDSLSAK.D	1488.888	0.00697	3	1	30.1	0
P12163_2_F1,20945	K.LFDSLSAK.D	1488.888	0.00928	2	1	29.8	0
P12163_2_F2,18	K.LFDSLSAK.D	1488.888	0.00451	3	1	32.1	0
P12163_2_F4,18575	K.LFDSLSAK.D	1488.888	0.00022	2	1	24.1	0
P12163_2_S5,18370	K.LFDSLSAK.D	1488.888	0.00217	3	1	22.5	0
P12163_2_S5,18953	K.LFDSLSAK.D	1488.888	0.00556	3	1	22.9	0
P12163_1_F2,13739	K.NIFNDAR.V	1153.627	0.00303	2	1	39.5	0
P12163_2_F1,13931	K.NIFNDAR.V	1153.627	0.00255	2	1	26	0
P12163_1_F4,15369	K.NLGLYAER.I	1239.7	0.0028	2	1	34.4	0
P12163_1_F5,14100	K.NLGLYAER.I	1239.7	0.00404	2	1	29.8	0
P12163_1_F9,14601	K.NLGLYAER.I	1239.7	0.00228	2	1	31.1	0
P12163_2_F1,14205	K.NLGLYAER.I	1239.7	0.00424	2	1	24.7	0

P12163_2_F8_12070	K.NLGLYAER.I	1239.7	0.00236	2	1	29.5	0
P12163_1_F6,17415	K.VLISSPTWGNHK.N	1947.127	0.00603	3	1	57.6	0
P12163_1_F8,17176	K.VLISSPTWGNHK.N	1947.127	0.00822	3	1	44.5	0
P12163_2_F6,16557	K.VLISSPTWGNHK.N	1947.127	0.00582	2	1	43.7	0
P12163_2_S5,16012	K.VLISSPTWGNHK.N	1947.127	0.00537	3	1	29	0
P12163_1_F2,24005	K.VTAELLFGADNSVLK.	2185.269	0.00766	3	1	22.5	0
P12163_1_F3,17182	R.GM*ELLVAQSYSK.N	1950.083	0.00711	2	1	27.8	0
P12163_1_F4,21309	R.GM*ELLVAQSYSK.N	1950.083	0.00943	3	1	43.8	0
P12163_1_F3,18128	R.GMELLVAQSYSK.N	1934.088	0.00066	2	1	36	0
P12163_1_F3,19447	R.GMELLVAQSYSK.N	1934.088	0.00182	2	1	41.8	0
P12163_1_F3,20686	R.GMELLVAQSYSK.N	1934.088	0.00855	2	1	69.5	0
P12163_1_F3,20795	R.GMELLVAQSYSK.N	1934.088	0.00883	3	1	30.6	0
P12163_1_F4,21283	R.GMELLVAQSYSK.N	1934.088	0.00904	3	1	41.2	0
P12163_1_F4,21287	R.GMELLVAQSYSK.N	1934.088	0.00807	2	1	44.8	0
P12163_1_F6,19702	R.GMELLVAQSYSK.N	1934.088	0.00427	3	1	30.2	0
P12163_1_F6,19760	R.GMELLVAQSYSK.N	1934.088	-0.00109	2	1	36.8	0
P12163_1_F9,19687	R.GMELLVAQSYSK.N	1934.088	0.00106	3	1	29.6	0
P12163_2_F1,20762	R.GMELLVAQSYSK.N	1934.088	0.0061	3	1	28.9	0
P12163_2_F4,18499	R.GMELLVAQSYSK.N	1934.088	0.00073	3	1	40.2	0
P12163_2_F7,17994	R.GMELLVAQSYSK.N	1934.088	-0.00344	3	1	37.6	0
P12163_2_F7,18040	R.GMELLVAQSYSK.N	1934.088	-0.005	2	1	30.9	0
P12163_1_F8,19123	R.IGAMNVVCSSDLAAF	1954.999	0.00002	2	1	49.5	0
P12163_2_F6,18700	R.IGAMNVVCSSDLAAF	1954.999	0.00372	2	1	45.4	0
P12163_1_F3,22643	R.ISLAGLSLAK.C	1581.02	0.00877	2	1	51.5	0
P12163_1_F4,19332	R.ISLAGLSLAK.C	1581.02	0.00569	3	1	25.5	0
P12163_1_F4,23277	R.ISLAGLSLAK.C	1581.02	0.00311	3	1	48	0
P12163_1_F4,23292	R.ISLAGLSLAK.C	1581.02	0.00557	2	1	50.4	0
P12163_1_F4,23548	R.ISLAGLSLAK.C	1581.02	0.00227	3	1	45.3	0
P12163_1_F4,23554	R.ISLAGLSLAK.C	1581.02	0.00589	2	1	42.5	0
P12163_1_F5,21919	R.ISLAGLSLAK.C	1581.02	0.00545	3	1	34.2	0
P12163_1_F6,21272	R.ISLAGLSLAK.C	1581.02	0.00158	3	1	30.2	0
P12163_1_F6,21334	R.ISLAGLSLAK.C	1581.02	0.00195	2	1	37.1	0
P12163_1_F6,21704	R.ISLAGLSLAK.C	1581.02	0.00206	3	1	40	0
P12163_1_F7,20444	R.ISLAGLSLAK.C	1581.02	0.00071	3	1	36.1	0
P12163_1_F7,20895	R.ISLAGLSLAK.C	1581.02	0.00703	2	1	38.4	0
P12163_1_F9,21172	R.ISLAGLSLAK.C	1581.02	0.00617	3	1	37.5	0
P12163_2_F1,22768	R.ISLAGLSLAK.C	1581.02	0.00278	3	1	36.9	0
P12163_2_F1,22784	R.ISLAGLSLAK.C	1581.02	0.00697	2	1	52.1	0
P12163_2_F4,19927	R.ISLAGLSLAK.C	1581.02	0.00299	3	1	25.9	0
P12163_2_F4,20368	R.ISLAGLSLAK.C	1581.02	0.00391	2	1	29.2	0
P12163_2_F4,20371	R.ISLAGLSLAK.C	1581.02	0.00077	3	1	42.4	0
P12163_2_F9,19591	R.ISLAGLSLAK.C	1581.02	0.00263	3	1	38.4	0
P12163_2_S5,19337	R.ISLAGLSLAK.C	1581.02	0.00284	3	1	48.5	0
P12163_1_F2,20851	R.LAAALIER.Y	1160.73	0.00171	2	1	33.4	0
P12163_1_F3,21118	R.LAAALIER.Y	1160.73	0.00699	2	1	35.9	0
P12163_1_F3,21295	R.LAAALIER.Y	1160.73	0.00331	2	1	41	0
P12163_2_F1,21292	R.LAAALIER.Y	1160.73	0.00547	2	1	36.9	0
P12163_2_F2,5	R.LAAALIER.Y	1160.73	0.00257	2	1	25.5	0
P12163_1_F4,21716	R.QIGM*FSFTGLNK.A	1967.088	-0.00835	3	1	45	0
P12163_1_F4,21720	R.QIGM*FSFTGLNK.A	1967.088	-0.01196	2	1	24	0
P12163_1_F4,24363	R.QIGM*FSFTGLNK.A	1967.088	0.00665	3	1	48.4	0

P12163_1_F6,20058	R.QIGM*FSFTGLNK.A	1967.088	0.00212	3	1	50.5	0
P12163_2_F1,21141	R.QIGM*FSFTGLNK.A	1967.088	0.00173	3	1	32.9	0
P12163_2_F9,18751	R.QIGM*FSFTGLNK.A	1967.088	0.01241	3	1	45.8	0
P12163_1_F3,23491	R.QIGMFSFTGLNK.A	1951.093	0.00965	3	1	53.2	0
P12163_1_F3,23519	R.QIGMFSFTGLNK.A	1951.093	0.00354	2	1	47.3	0
P12163_1_F4,24237	R.QIGMFSFTGLNK.A	1951.093	0.00524	3	1	62.6	0
P12163_1_F4,24250	R.QIGMFSFTGLNK.A	1951.093	0.00322	2	1	54.9	0
P12163_1_F6,22066	R.QIGMFSFTGLNK.A	1951.093	0.00737	3	1	39.6	0
P12163_2_F9,20601	R.QIGMFSFTGLNK.A	1951.093	0.00581	3	1	25.3	0
P12163_1_F2,22320	R.TEELQPYVLDVVK.K	2141.231	0.00527	3	1	40.1	0
P12163_1_F8,22272	R.TEELQPYVLDVVK.K	2141.231	0.00194	3	1	30.8	0
P12163_1_S1,18672	R.TEELQPYVLDVVK.K	2141.231	0.00653	3	1	37.4	0
P12163_1_S1,18752	R.TEELQPYVLDVVK.K	2141.231	0.002	2	1	30.9	0
P12163_1_S1,21115	R.TEELQPYVLDVVK.K	2141.231	0.0077	2	1	53.8	0
P12163_1_S1,21120	R.TEELQPYVLDVVK.K	2141.231	0.00629	3	1	61.5	0
P12163_1_F2,12652	R.VATVQGLSGTGSLR.L	1649.949	0.00085	3	1	48.3	0
P12163_1_F2,13029	R.VATVQGLSGTGSLR.L	1649.949	-0.00011	3	1	33.6	0
P12163_1_F2,15112	R.VATVQGLSGTGSLR.L	1649.949	0.00049	3	1	42.1	0
P12163_1_S1,9887	R.VATVQGLSGTGSLR.L	1649.949	0.00104	4	1	27.3	0
P12163_1_S1,10327	R.VATVQGLSGTGSLR.L	1649.949	0.00457	3	1	33.9	0
P12163_1_S1,10742	R.VATVQGLSGTGSLR.L	1649.949	0.00304	3	1	46.5	0
P12163_1_S1,12121	R.VATVQGLSGTGSLR.L	1649.949	0.00373	3	1	45.8	0
P12163_1_S1,12446	R.VATVQGLSGTGSLR.L	1649.949	-0.00161	3	1	32.3	0
P12163_1_S1,14145	R.VATVQGLSGTGSLR.L	1649.949	0.00346	3	1	65.6	0
P12163_1_S1,14163	R.VATVQGLSGTGSLR.L	1649.949	0.00867	2	1	31.6	0
P12163_1_S1,14372	R.VATVQGLSGTGSLR.L	1649.949	0.00085	3	1	55	0
P12163_1_S1,14393	R.VATVQGLSGTGSLR.L	1649.949	-0.00119	2	1	38.1	0
P12163_1_S1,14611	R.VATVQGLSGTGSLR.L	1649.949	0.00322	3	1	49.5	0
P12163_1_S1,15479	R.VATVQGLSGTGSLR.L	1649.949	0.00043	3	1	37.8	0
P12163_1_S1,16034	R.VATVQGLSGTGSLR.L	1649.949	0.00385	2	1	46.2	0
P12163_1_S1,16035	R.VATVQGLSGTGSLR.L	1649.949	0.0025	3	1	47.3	0
P12163_1_S10,86	R.VATVQGLSGTGSLR.L	1649.949	0.00291	2	1	32	0
P12163_2_F6,16492	R.VATVQGLSGTGSLR.L	1649.949	-0.00019	2	1	31.9	0
P12163_2_F7,15205	R.VATVQGLSGTGSLR.L	1649.949	0.00153	2	1	25	0
P12163_1_S10,1468	R.YFPGAK.V	1290.767	0.00654	3	1	22.9	0
P12163_1_F5,18535	K.AVVTVPAYFNDSQR.T	1870.996	-0.00144	2	1	30.4	0
P12163_1_F5,18571	K.AVVTVPAYFNDSQR.T	1870.996	0.00056	3	1	23.3	0
P12163_1_F8,19195	K.AVVTVPAYFNDSQR.T	1870.996	-0.0014	2	1	27.9	0
P12163_1_F8,19447	K.AVVTVPAYFNDSQR.T	1870.996	0.00268	2	1	41	0
P12163_2_F2,19244	K.AVVTVPAYFNDSQR.T	1870.996	0.00119	3	1	25.5	0
P12163_2_F6,18422	K.AVVTVPAYFNDSQR.T	1870.996	0.00028	2	1	38.9	0
P12163_2_F6,18794	K.AVVTVPAYFNDSQR.T	1870.996	0.00306	2	1	24.3	0
P12163_2_F6,18833	K.AVVTVPAYFNDSQR.T	1870.996	0.00707	3	1	30.5	0
P12163_2_F6,18858	K.AVVTVPAYFNDSQR.T	1870.996	0.01403	3	1	29.4	0
P12163_2_F6,18894	K.AVVTVPAYFNDSQR.T	1870.996	0.01346	3	1	28.5	0
P12163_2_F1,9591	K.DSISEESTQK.M	1731.922	0.0047	2	1	43	0
P12163_2_F1,9592	K.DSISEESTQK.M	1731.922	0.00268	3	1	26.2	0
P12163_1_F9,11023	K.HIETTLTR.A	1274.737	-0.00234	3	1	29	0
P12163_2_F7,7441	K.HIETTLTR.A	1274.737	0.00141	3	1	23.9	0
P12163_2_F7,8810	K.HIETTLTR.A	1274.737	0.00189	3	1	36.2	0
P12163_2_F7,10268	K.HIETTLTR.A	1274.737	0.00345	3	1	30.1	0

P12163_1_F7,15423	K.KQDITITGASTLPSDEV	2668.461	-0.00377	3	1	54.4	0
P12163_1_F8,16121	K.KQDITITGASTLPSDEV	2668.461	0.00162	4	1	41.6	0
P12163_1_F8,16238	K.KQDITITGASTLPSDEV	2668.461	0.00526	3	1	56.1	0
P12163_2_S5,14829	K.KQDITITGASTLPSDEV	2668.461	0.00364	3	1	73.3	0
P12163_1_F4,15425	K.LDCPAIGK.Q	1481.861	0.00485	2	1	29.5	0
P12163_1_F4,15426	K.LDCPAIGK.Q	1481.861	0.00778	3	1	36	0
P12163_2_F1,14405	K.LDCPAIGK.Q	1481.861	-0.00055	2	1	29	0
P12163_1_F4,9272	K.M*SEVDDESK.Q	1663.83	0.00835	2	1	26.5	0
P12163_1_F4,12641	K.M*SEVDDESK.Q	1663.83	0.00911	2	1	30.6	0
P12163_1_F4,12559	K.MSEVDDESK.Q	1647.836	0.01335	2	1	24.6	0
P12163_1_F4,12934	K.NQADSLVYQTEK.Q	2004.086	0.00771	3	1	42.3	0
P12163_1_F4,14802	K.NQADSLVYQTEK.Q	2004.086	0.00545	2	1	52.4	0
P12163_1_F4,14807	K.NQADSLVYQTEK.Q	2004.086	0.00636	3	1	50.7	0
P12163_2_F1,13795	K.NQADSLVYQTEK.Q	2004.086	0.00525	3	1	51.1	0
P12163_2_F1,13801	K.NQADSLVYQTEK.Q	2004.086	0.00377	2	1	54.6	0
P12163_2_F4,12822	K.NQADSLVYQTEK.Q	2004.086	0.0015	3	1	34.4	0
P12163_1_F4,22740	K.QFAAEEISAQVLR.K	1765.975	0.00472	2	1	46.5	0
P12163_1_F6,21239	K.QFAAEEISAQVLR.K	1765.975	0.00156	2	1	24.5	0
P12163_1_F7,20455	K.QFAAEEISAQVLR.K	1765.975	0.00132	2	1	31.9	0
P12163_1_S1,15742	K.QFAAEEISAQVLR.K	1765.975	0.00225	3	1	68.7	0
P12163_1_S1,15764	K.QFAAEEISAQVLR.K	1765.975	0.00315	3	1	45.7	0
P12163_1_S1,20635	K.QFAAEEISAQVLR.K	1765.975	-0.0003	3	1	97.9	0
P12163_1_S1,20657	K.QFAAEEISAQVLR.K	1765.975	0.00408	2	1	52.8	0
P12163_1_S1,20865	K.QFAAEEISAQVLR.K	1765.975	0.00252	3	1	100	0
P12163_1_S1,20888	K.QFAAEEISAQVLR.K	1765.975	0.00388	2	1	53.5	0
P12163_1_S1,21108	K.QFAAEEISAQVLR.K	1765.975	-0.00486	3	1	40.2	0
P12163_1_S1,22180	K.QFAAEEISAQVLR.K	1765.975	0.00636	3	1	24.4	0
P12163_1_S1,22950	K.QFAAEEISAQVLR.K	1765.975	-0.00174	3	1	28.4	0
P12163_1_S10,2001	K.QFAAEEISAQVLR.K	1765.975	0.00213	3	1	45.3	0
P12163_1_F4,10181	K.SLGSFR.L	970.5623	0.00388	3	1	26.6	0
P12163_2_F2,8702	K.SLGSFR.L	970.5623	0.00382	3	1	22.9	0
P12163_2_F2,9071	K.SLGSFR.L	970.5623	0.004	3	1	26.8	0
P12163_1_F3,17395	R.DEGVLLNDK.Q	1709.989	0.00214	2	1	38	0
P12163_1_F3,17420	R.DEGVLLNDK.Q	1709.989	0.00986	3	1	26.7	0
P12163_1_F5,16660	R.DEGVLLNDK.Q	1709.989	0.0039	2	1	39.8	0
P12163_2_S3,14307	R.DEGVLLNDK.Q	1709.989	0.00215	3	1	27.6	0
P12163_1_F6,7789	R.DENGNVK.L	1383.769	0.00328	2	1	24.2	0
P12163_1_F4,16332	R.GVPQIEVK.F	1477.92	0.00545	3	1	26.7	0
P12163_1_F4,16575	R.GVPQIEVK.F	1477.92	0.00415	3	1	27.4	0
P12163_2_F1,15614	R.GVPQIEVK.F	1477.92	0.00442	3	1	30.4	0
P12163_2_F4,14119	R.GVPQIEVK.F	1477.92	-0.00125	3	1	26	0
P12163_2_S5,14303	R.GVPQIEVK.F	1477.92	0.00649	3	1	24	0
P12163_1_F2,21229	R.IAGLEVLR.I	1174.746	0.0027	2	1	29.5	0
P12163_2_F1,21537	R.IAGLEVLR.I	1174.746	0.00432	2	1	29.4	0
P12163_1_F8,22018	R.IINEPTAASLAYGFER.I	2056.102	0.00325	2	1	25.4	0
P12163_1_F3,20924	R.IPAVQELVK.K	1605.02	0.00721	2	1	26.5	0
P12163_1_F3,20944	R.IPAVQELVK.K	1605.02	0.00694	3	1	41.7	0
P12163_1_F4,21587	R.IPAVQELVK.K	1605.02	0.00178	3	1	40.7	0
P12163_1_F4,21597	R.IPAVQELVK.K	1605.02	0.00995	2	1	27.2	0
P12163_1_F4,21786	R.IPAVQELVK.K	1605.02	0.00589	3	1	35.5	0
P12163_1_F4,21796	R.IPAVQELVK.K	1605.02	0.00611	2	1	37.9	0

P12163_1_F4,22009 R.IPAVQELVK.K	1605.02	0.00825	2	1	25.1	0
P12163_1_F5,20652 R.IPAVQELVK.K	1605.02	0.00652	3	1	41.2	0
P12163_1_F6,19869 R.IPAVQELVK.K	1605.02	0.00187	3	1	45.5	0
P12163_1_F6,20166 R.IPAVQELVK.K	1605.02	0.0001	3	1	32.7	0
P12163_2_F1,21139 R.IPAVQELVK.K	1605.02	0.00451	3	1	39.6	0
P12163_2_F1,21151 R.IPAVQELVK.K	1605.02	0.00709	2	1	26.1	0
P12163_2_F1,21388 R.IPAVQELVK.K	1605.02	0.00385	3	1	46	0
P12163_2_F1,21400 R.IPAVQELVK.K	1605.02	0.00621	2	1	31.4	0
P12163_2_F1,21613 R.IPAVQELVK.K	1605.02	0.00937	2	1	36	0
P12163_2_F4,18613 R.IPAVQELVK.K	1605.02	0.0007	3	1	41	0
P12163_2_F4,18971 R.IPAVQELVK.K	1605.02	0.00085	3	1	30.1	0
P12163_1_S1,14262 R.LDGIPPAPR.G	1239.736	0.00459	3	1	27.1	0
P12163_1_S1,14444 R.LDGIPPAPR.G	1239.736	0.00383	2	1	24	0
P12163_1_S1,14496 R.LDGIPPAPR.G	1239.736	0.00321	3	1	29.5	0
P12163_1_S1,14732 R.LDGIPPAPR.G	1239.736	0.00348	3	1	25.4	0
P12163_1_S1,14970 R.LDGIPPAPR.G	1239.736	0.00204	3	1	27.5	0
P12163_1_S1,15214 R.LDGIPPAPR.G	1239.736	0.00375	3	1	27.5	0
P12163_1_S1,15466 R.LDGIPPAPR.G	1239.736	0.00429	3	1	28.5	0
P12163_1_S1,15736 R.LDGIPPAPR.G	1239.736	0.00255	3	1	23.7	0
P12163_1_S1,16009 R.LDGIPPAPR.G	1239.736	0.00252	3	1	28.5	0
P12163_1_S10,837 R.LDGIPPAPR.G	1239.736	0.00397	2	1	28.7	0
P12163_2_F1,12050 R.LTEAAEK.A	1369.815	0.00549	2	1	24.2	0
P12163_1_F6,16258 R.LVGQIAK.R	1336.877	0.00605	2	1	23.9	0
P12163_1_F4,11844 R.NTTLPSTK.S	1469.878	0.00451	3	1	23.6	0
P12163_2_F1,10953 R.NTTLPSTK.S	1469.878	0.00433	3	1	22.4	0
P12163_1_F3,15072 R.QAVVNPENTFFSVK.R	2188.222	0.00759	3	1	39.1	0
P12163_1_F3,17735 R.QAVVNPENTFFSVK.R	2188.222	0.00891	3	1	30.8	0
P12163_1_F3,18039 R.QAVVNPENTFFSVK.R	2188.222	0.00672	4	1	51.6	0
P12163_1_F3,18190 R.QAVVNPENTFFSVK.R	2188.222	0.00633	3	1	40.1	0
P12163_1_F3,18466 R.QAVVNPENTFFSVK.R	2188.222	0.00897	3	1	50.2	0
P12163_1_F3,19591 R.QAVVNPENTFFSVK.R	2188.222	0.00141	3	1	46.3	0
P12163_1_F3,21003 R.QAVVNPENTFFSVK.R	2188.222	0.01443	3	1	38.2	0
P12163_1_F3,21109 R.QAVVNPENTFFSVK.R	2188.222	0.00821	2	1	64.3	0
P12163_1_F3,21199 R.QAVVNPENTFFSVK.R	2188.222	0.00831	3	1	63.4	0
P12163_1_F3,21251 R.QAVVNPENTFFSVK.R	2188.222	0.00216	4	1	35.2	0
P12163_1_F3,21290 R.QAVVNPENTFFSVK.R	2188.222	0.00619	2	1	62.5	0
P12163_1_F3,21400 R.QAVVNPENTFFSVK.R	2188.222	0.00663	3	1	59	0
P12163_1_F4,22027 R.QAVVNPENTFFSVK.R	2188.222	0.00705	3	1	51.9	0
P12163_1_F5,20339 R.QAVVNPENTFFSVK.R	2188.222	0.00522	3	1	41.8	0
P12163_1_F6,20256 R.QAVVNPENTFFSVK.R	2188.222	0.00228	3	1	58.5	0
P12163_1_F6,20589 R.QAVVNPENTFFSVK.R	2188.222	0.00435	3	1	31.7	0
P12163_1_F6,21169 R.QAVVNPENTFFSVK.R	2188.222	-0.00039	3	1	24.2	0
P12163_1_F7,19832 R.QAVVNPENTFFSVK.R	2188.222	0.00075	3	1	54.5	0
P12163_1_F9,20216 R.QAVVNPENTFFSVK.R	2188.222	0.006	3	1	53.8	0
P12163_2_F1,21501 R.QAVVNPENTFFSVK.R	2188.222	0.00381	3	1	47	0
P12163_2_F1,21526 R.QAVVNPENTFFSVK.R	2188.222	0.00495	2	1	37.3	0
P12163_2_F1,22052 R.QAVVNPENTFFSVK.R	2188.222	0.00519	3	1	33.6	0
P12163_2_F4,19287 R.QAVVNPENTFFSVK.R	2188.222	0.00594	3	1	22	0
P12163_1_F3,12583 R.TTPSVVAYTK.I ! R.TTI	1674.989	0.00453	3	1	22.1	0
P12163_1_F3,14511 R.TTPSVVAYTK.I ! R.TTI	1674.989	0.00831	2	1	25.8	0
P12163_1_F4,13048 R.TTPSVVAYTK.I ! R.TTI	1674.989	0.00582	3	1	36.6	0

P12163_1_F4,14949	R.TTPSVVAYTK.I ! R.TTI	1674.989	0.00675	2	1	32.4	0
P12163_1_F4,14970	R.TTPSVVAYTK.I ! R.TTI	1674.989	0.00819	3	1	33.8	0
P12163_1_F9,12449	R.TTPSVVAYTK.I ! R.TTI	1674.989	0.00789	3	1	23.4	0
P12163_2_F1,12033	R.TTPSVVAYTK.I ! R.TTI	1674.989	0.00377	2	1	28.6	0
P12163_2_F1,13970	R.TTPSVVAYTK.I ! R.TTI	1674.989	0.00411	2	1	34.9	0
P12163_2_F1,13989	R.TTPSVVAYTK.I ! R.TTI	1674.989	0.00414	3	1	40.3	0
P12163_2_F4,12927	R.TTPSVVAYTK.I ! R.TTI	1674.989	0.00045	3	1	26.4	0
P12163_1_F5,7555	K.AM*ANDVSGK.S	1516.825	0.00871	2	1	27.8	0
P12163_1_F4,11542	K.AMANDVSGK.S	1500.83	0.00626	2	1	25.7	0
P12163_1_F4,11579	K.AMANDVSGK.S	1500.83	0.00589	3	1	25.6	0
P12163_1_F5,10156	K.AMANDVSGK.S	1500.83	0.00825	2	1	25.9	0
P12163_1_F6,11179	K.AMANDVSGK.S	1500.83	0.00185	2	1	27.7	0
P12163_2_F1,10636	K.AMANDVSGK.S	1500.83	0.0049	2	1	28	0
P12163_2_F1,10639	K.AMANDVSGK.S	1500.83	0.0025	3	1	25.2	0
P12163_2_S5,13079	K.EINESFEK.E	1603.879	0.00031	3	1	27.9	0
P12163_1_F4,17327	K.FEEYGYAGNNVK.Q	1999.038	0.00644	2	1	65.4	0
P12163_1_F9,16265	K.FEEYGYAGNNVK.Q	1999.038	-0.00088	2	1	24.7	0
P12163_1_F9,16293	K.FEEYGYAGNNVK.Q	1999.038	0.00687	3	1	28.4	0
P12163_2_F1,16423	K.FEEYGYAGNNVK.Q	1999.038	0.00422	2	1	50.5	0
P12163_1_F3,10480	K.GDTETVASPSTIK.N	1914.064	0.00409	3	1	31.5	0
P12163_1_F3,10539	K.GDTETVASPSTIK.N	1914.064	0.00885	2	1	32.4	0
P12163_1_F3,10800	K.GDTETVASPSTIK.N	1914.064	0.00592	3	1	26.2	0
P12163_1_F3,11294	K.GDTETVASPSTIK.N	1914.064	0.00751	3	1	24.5	0
P12163_1_F3,12909	K.GDTETVASPSTIK.N	1914.064	0.00796	3	1	35.1	0
P12163_1_F3,12929	K.GDTETVASPSTIK.N	1914.064	0.00597	2	1	83.1	0
P12163_1_S1,12434	K.GSVQELQQSTAEFR.S	1883.976	0.00716	3	1	50.7	0
P12163_1_S1,12723	K.GSVQELQQSTAEFR.S	1883.976	0.01047	3	1	38.4	0
P12163_1_S1,16594	K.GSVQELQQSTAEFR.S	1883.976	0.00538	2	1	45.4	0
P12163_1_S1,16609	K.GSVQELQQSTAEFR.S	1883.976	0.00437	3	1	62.5	0
P12163_1_S10,37	K.GSVQELQQSTAEFR.S	1883.976	-0.00156	2	1	44.8	0
P12163_1_F6,17961	K.IDKFEEYGYAGNNVK.	2659.449	0.00687	3	1	33.4	0
P12163_1_F9,17700	K.IDKFEEYGYAGNNVK.	2659.449	0.01243	4	1	28.6	0
P12163_2_F7,16017	K.IDKFEEYGYAGNNVK.	2659.449	0.00739	4	1	28.2	0
P12163_2_S5,15274	K.NVEQSEKPLLLGEDSS	3058.582	0.0068	4	1	30.9	0
P12163_1_F7,16956	K.NVEQSEKPLLLGEDSS	3042.587	0.00595	3	1	26	0
P12163_1_F7,17020	K.NVEQSEKPLLLGEDSS	3042.587	0.0066	4	1	50	0
P12163_2_S5,16574	K.NVEQSEKPLLLGEDSS	3042.587	0.00475	3	1	25.7	0
P12163_1_F3,7605	K.QDDLQR.E	1078.579	0.0033	2	1	27.5	0
P12163_1_F2,10250	K.QFSVDQTVSR.A	1470.785	0.00194	3	1	27.3	0
P12163_1_S1,9131	K.QFSVDQTVSR.A	1470.785	0.00245	3	1	33.8	0
P12163_1_S1,10322	K.QFSVDQTVSR.A	1470.785	0.00236	3	1	36.9	0
P12163_1_S1,12798	K.QFSVDQTVSR.A	1470.785	0.00332	3	1	30	0
P12163_1_S1,12824	K.QFSVDQTVSR.A	1470.785	0.00463	2	1	35.8	0
P12163_1_F4,15264	K.VEISYEK.E	1475.857	0.00177	2	1	25.1	0
P12163_2_F8_12070	K.VEISYEK.E	1475.857	0.00282	3	1	21.9	0
P12163_1_F8,18500	K.VIEADV KPGDLCIR.R	2193.252	0.0038	2	1	50.1	0
P12163_2_F6,18055	K.VIEADV KPGDLCIR.R	2193.252	0.00425	2	1	44.1	0
P12163_1_F4,22931	R.AAIESEM*EILSK.L	1945.077	0.00264	3	1	24.6	0
P12163_1_F3,20526	R.AAIESEMEILSK.L	1929.082	0.00951	3	1	37	0
P12163_1_F3,20538	R.AAIESEMEILSK.L	1929.082	0.01116	3	1	39.4	0
P12163_1_F3,22191	R.AAIESEMEILSK.L	1929.082	0.01338	3	1	57.3	0

P12163_1_F3,22202	R.AAIESEMEILSK.L	1929.082	0.01535	2	1	66.2	0
P12163_1_F4,21199	R.AAIESEMEILSK.L	1929.082	0.0108	3	1	30.6	0
P12163_1_F4,22869	R.AAIESEMEILSK.L	1929.082	0.00711	2	1	33.1	0
P12163_1_F4,22959	R.AAIESEMEILSK.L	1929.082	0.00513	3	1	53.5	0
P12163_1_F6,21021	R.AAIESEMEILSK.L	1929.082	0.00696	3	1	48.4	0
P12163_2_F1,22326	R.AAIESEMEILSK.L	1929.082	0.00681	3	1	26.8	0
P12163_2_F1,22366	R.AAIESEMEILSK.L	1929.082	0.00117	2	1	26.2	0
P12163_2_F4,19696	R.AAIESEMEILSK.L	1929.082	0.00018	3	1	30	0
P12163_1_F5,12382	R.AQSLVDK.L	1368.831	0.01175	2	1	25.3	0
P12163_2_F1,12756	R.AQSLVDK.L	1368.831	0.00742	3	1	24.8	0
P12163_2_F2,13266	R.AQSLVDK.L	1368.831	0.00803	2	1	25.3	0
P12163_1_F5,12177	R.AWAEDEAK.R	1527.826	0.00979	2	1	29.7	0
P12163_1_F5,12232	R.AWAEDEAK.R	1527.826	0.00565	3	1	32.2	0
P12163_2_F2,12887	R.AWAEDEAK.R	1527.826	0.01207	2	1	37.9	0
P12163_2_F2,12897	R.AWAEDEAK.R	1527.826	0.00784	3	1	31.4	0
P12163_1_F6,16832	R.EQM*EPLTAAQDVSIV	2732.438	0.00578	4	1	24	0
P12163_1_F6,17126	R.EQM*EPLTAAQDVSIV	2732.438	0.00694	3	1	39.5	0
P12163_1_F6,17156	R.EQM*EPLTAAQDVSIV	2732.438	0.00562	4	1	25.1	0
P12163_2_F4,15941	R.EQM*EPLTAAQDVSIV	2732.438	0.00505	3	1	38.5	0
P12163_2_F4,17762	R.EQM*EPLTAAQDVSIV	2732.438	0.0043	3	1	53.3	0
P12163_1_F6,16825	R.EQMEPLTAAQDVSIVP	2716.444	0.00894	4	1	29.9	0
P12163_1_F6,18854	R.EQMEPLTAAQDVSIVP	2716.444	0.01264	3	1	38.5	0
P12163_1_F6,18979	R.EQMEPLTAAQDVSIVP	2716.444	0.00546	4	1	56.2	0
P12163_1_F7,18075	R.EQMEPLTAAQDVSIVP	2716.444	0.00676	3	1	32	0
P12163_2_F4,15623	R.EQMEPLTAAQDVSIVP	2716.444	-0.00155	3	1	22.5	0
P12163_2_F4,17664	R.EQMEPLTAAQDVSIVP	2716.444	0.0057	4	1	48.2	0
P12163_2_F8_12070	R.EQMEPLTAAQDVSIVP	2716.444	0.00814	3	1	22	0
P12163_2_S5,17287	R.EQMEPLTAAQDVSIVP	2716.444	0.00482	4	1	22.1	0
P12163_1_F3,19629	R.EVEEQLESLM*SNK.V	2160.131	-0.00251	3	1	37.1	0
P12163_1_F3,23908	R.EVEEQLESLM*SNK.V	2160.131	0.00901	3	1	57.6	0
P12163_1_F4,24694	R.EVEEQLESLM*SNK.V	2160.131	0.00751	3	1	49	0
P12163_1_F6,22569	R.EVEEQLESLM*SNK.V	2160.131	0.00022	3	1	36	0
P12163_1_F3,22771	R.EVEEQLESLMSNK.V	2144.136	0.0037	3	1	39.9	0
P12163_1_F3,23809	R.EVEEQLESLMSNK.V	2144.136	0.00589	3	1	49.2	0
P12163_1_F3,24040	R.EVEEQLESLMSNK.V	2144.136	0.00592	3	1	54.4	0
P12163_2_F8_12070	R.IEAESAENAVSEHSA	2991.573	0.00462	4	1	72.6	0
P12163_1_F2,18133	R.LQYELEVER.K	1482.811	0.00311	2	1	35.4	0
P12163_1_F3,18632	R.LQYELEVER.K	1482.811	0.00355	2	1	26.8	0
P12163_2_F1,18388	R.LQYELEVER.K	1482.811	0.00307	2	1	26.1	0
P12163_2_F1,17558	R.QDLVSWK.M	1483.873	0.001	3	1	27.7	0
P12163_1_F5,10603	R.QLPEANK.K	1407.842	0.00258	3	1	32.8	0
P12163_1_F6,10395	R.SNLTEGAK.R	1427.831	0.00653	2	1	31.5	0
P12163_2_F2,10195	R.SNLTEGAK.R	1427.831	0.00836	3	1	35.6	0
P12163_2_F2,10258	R.SNLTEGAK.R	1427.831	0.00879	2	1	29.9	0
P12163_1_F6,12822	K.AGEDADSLGLTGHER.	1831.909	0.00625	3	1	44	0
P12163_1_F6,12840	K.AGEDADSLGLTGHER.	1831.909	0.00263	2	1	31	0
P12163_1_F8,10126	K.AGEDADSLGLTGHER.	1831.909	0.00346	3	1	30.9	0
P12163_1_F8,11186	K.AGEDADSLGLTGHER.	1831.909	0.00289	3	1	53.9	0
P12163_1_F8,12616	K.AGEDADSLGLTGHER.	1831.909	0.00091	2	1	32.1	0
P12163_1_F8,12620	K.AGEDADSLGLTGHER.	1831.909	0.00364	3	1	48.1	0
P12163_2_F6,12212	K.AGEDADSLGLTGHER.	1831.909	-0.0002	3	1	98.4	0

P12163_2_F6,12215	K.AGEDADSLGLTGBHER.	1831.909	-0.00083	2	1	42.5	0
P12163_2_S5,10963	K.AGEDADSLGLTGBHER.	1831.909	0.00433	3	1	37.3	0
P12163_2_S5,12296	K.AGEDADSLGLTGBHER.	1831.909	0.00232	3	1	62	0
P12163_1_F6,16590	K.FSFHGQPAELK.H	1869.048	0.00682	3	1	23.2	0
P12163_2_F6,15944	K.FSFHGQPAELK.H	1869.048	0.00589	3	1	27.8	0
P12163_2_F6,15948	K.FSFHGQPAELK.H	1869.048	0.00292	2	1	38.3	0
P12163_1_S1,20805	K.FYSLPALNDPR.I	1596.869	0.00309	2	1	25.4	0
P12163_1_S1,20917	K.FYSLPALNDPR.I	1596.869	0.00181	3	1	40.9	0
P12163_2_F7,19069	K.FYSLPALNDPR.I	1596.869	0.00265	2	1	27.8	0
P12163_1_F4,18016	K.GNPTWNQLSVPASK.L	2107.176	0.00653	3	1	51.1	0
P12163_1_F4,18029	K.GNPTWNQLSVPASK.L	2107.176	0.00384	2	1	56.8	0
P12163_2_F1,16390	K.GPM*LLGVK.A	1438.891	0.00565	3	1	24	0
P12163_1_F4,19495	K.GPMLLGVK.A	1422.896	0.00937	2	1	33.4	0
P12163_1_F4,19501	K.GPMLLGVK.A	1422.896	0.00907	3	1	38.2	0
P12163_1_F5,18415	K.GPMLLGVK.A	1422.896	0.00418	3	1	28.7	0
P12163_1_F7,17285	K.GPMLLGVK.A	1422.896	0.00562	3	1	29.4	0
P12163_1_S10,8561	K.HGVVVGK.F	1204.762	0.00783	3	1	24.9	0
P12163_1_F4,20426	K.IIDWENSAPK.Q	1781.005	0.00744	2	1	40.1	0
P12163_2_F1,19823	K.IIDWENSAPK.Q	1781.005	0.00512	2	1	40.3	0
P12163_2_F1,21213	K.IILLESAIR.N ! R.IILLES/	1218.772	0.00386	2	1	24.5	0
P12163_1_F7,15043	K.ISEIRPGQDVTVTDDSC	2511.387	0.0076	4	1	24.5	0
P12163_1_F4,17461	K.LLNGEVGP.K.T	1534.941	0.00706	2	1	32	0
P12163_1_F4,17471	K.LLNGEVGP.K.T	1534.941	0.00476	3	1	38.3	0
P12163_1_F5,16162	K.LLNGEVGP.K.T	1534.941	0.00746	2	1	37.6	0
P12163_1_F5,16182	K.LLNGEVGP.K.T	1534.941	0.00515	3	1	36.2	0
P12163_1_F6,16731	K.LLNGEVGP.K.T	1534.941	0.01202	2	1	26.8	0
P12163_1_F7,15384	K.LLNGEVGP.K.T	1534.941	0.00192	2	1	31.9	0
P12163_2_F1,16641	K.LLNGEVGP.K.T	1534.941	0.00408	2	1	31.7	0
P12163_1_F4,23542	K.LSVFDAAM*K.Y	1605.913	0.01172	2	1	26.6	0
P12163_2_F1,22910	K.LSVFDAAMK.Y	1589.918	0.00624	2	1	47.8	0
P12163_2_F1,22920	K.LSVFDAAMK.Y	1589.918	0.00478	3	1	41	0
P12163_2_F6,16182	K.QVEIPFKPAR.V	1793.089	0.00682	2	1	25.6	0
P12163_2_F6,16262	K.QVEIPFKPAR.V	1793.089	0.0048	3	1	38.4	0
P12163_2_F7,14980	K.QVEIPFKPAR.V	1793.089	0.00531	3	1	38.2	0
P12163_1_F4,13574	K.STYEAITK.G	1520.878	0.01182	2	1	39.1	0
P12163_1_F4,13587	K.STYEAITK.G	1520.878	0.00608	3	1	36.3	0
P12163_1_F5,12147	K.STYEAITK.G	1520.878	0.01061	3	1	31.6	0
P12163_1_F9,13025	K.STYEAITK.G	1520.878	0.00516	2	1	26.9	0
P12163_1_F9,13054	K.STYEAITK.G	1520.878	0.00425	3	1	24.8	0
P12163_2_F1,12527	K.STYEAITK.G	1520.878	0.01038	2	1	31.7	0
P12163_2_F1,12528	K.STYEAITK.G	1520.878	0.00566	3	1	36	0
P12163_2_S5,11779	K.STYEAITK.G	1520.878	0.00047	3	1	28	0
P12163_1_F3,12729	K.TSLAPGSGVVTK.Y	1725.037	0.00679	3	1	28.7	0
P12163_1_F3,14623	K.TSLAPGSGVVTK.Y	1725.037	0.00595	2	1	49.3	0
P12163_1_F4,13159	K.TSLAPGSGVVTK.Y	1725.037	0.00391	3	1	40.9	0
P12163_1_F4,13214	K.TSLAPGSGVVTK.Y	1725.037	0.00617	2	1	41.1	0
P12163_1_F4,14929	K.TSLAPGSGVVTK.Y	1725.037	0.00037	2	1	40.9	0
P12163_2_F1,14052	K.TSLAPGSGVVTK.Y	1725.037	0.0052	3	1	54.1	0
P12163_1_F9,9105	K.TVHVPTGEK.L	1575.931	0.00655	3	1	22	0
P12163_1_F4,18887	K.YLLQSGLQK.Y	1658.01	0.00653	3	1	34.7	0
P12163_1_F4,18888	K.YLLQSGLQK.Y	1658.01	0.00761	2	1	34.1	0

P12163_1_F5,17588	K.YLLQSGLQK.Y	1658.01	0.00284	3	1	32.5	0
P12163_1_F9,17412	K.YLLQSGLQK.Y	1658.01	0.00548	3	1	32.1	0
P12163_1_F9,17441	K.YLLQSGLQK.Y	1658.01	0.00061	2	1	38.4	0
P12163_2_F1,18115	K.YLLQSGLQK.Y	1658.01	0.00353	3	1	32.8	0
P12163_2_F1,18130	K.YLLQSGLQK.Y	1658.01	0.00421	2	1	33.4	0
P12163_2_F2,18372	K.YLLQSGLQK.Y	1658.01	0.00151	2	1	30.5	0
P12163_2_F8_12070	K.YLLQSGLQK.Y	1658.01	-0.00067	3	1	33	0
P12163_2_F9,16499	K.YLLQSGLQK.Y	1658.01	0.00194	3	1	30.1	0
P12163_1_F4,20797	R.FSIDLPSK.I	1514.904	0.00582	2	1	44.6	0
P12163_2_F1,20250	R.FSIDLPSK.I	1514.904	0.00626	2	1	38.7	0
P12163_1_F5,11557	R.NCDNFQVK.K	1632.862	0.01121	2	1	29.6	0
P12163_2_F2,12334	R.NCDNFQVK.K	1632.862	0.0066	2	1	25.4	0
P12163_1_S10,8185	R.RGNDEVMAR.G	1351.705	0.0094	3	1	35.6	0
P12163_1_S10,8197	R.RGNDEVMAR.G	1351.705	0.00945	2	1	35.8	0
P12163_2_F8_12070	R.RGNDEVMAR.G	1351.705	0.00379	2	1	32.8	0
P12163_1_F3,24473	R.SNLVGM*GIPLCFK.A	2173.233	-0.00024	3	1	36.3	0
P12163_1_F3,24477	R.SNLVGM*GIPLCFK.A	2173.233	0.00332	2	1	32.2	0
P12163_1_F3,24493	R.SNLVGMGIPLCFK.A	2157.238	0.00555	3	1	41	0
P12163_1_F3,26349	R.SNLVGMGIPLCFK.A	2157.238	0.00885	3	1	43.8	0
P12163_1_F9,8784	R.VHPLTR.A	1026.636	0.00112	3	1	22.2	0
P12163_1_S10,9421	R.VHPLTR.A	1026.636	0.00382	3	1	24.8	0
P12163_2_F10,8793	R.VHPLTR.A	1026.636	0.00223	3	1	24.3	0
P12163_1_S1,21915	K.AAVEEGIVPGGGVALI	2493.454	0.00888	3	1	60.8	0
P12163_1_S1,21957	K.AAVEEGIVPGGGVALI	2493.454	0.00331	4	1	33.6	0
P12163_1_F8,21015	K.CELEDPLILVHEK.K	2203.225	0.00232	3	1	25.1	0
P12163_2_F6,20541	K.CELEDPLILVHEK.K	2203.225	0.00172	3	1	33.9	0
P12163_2_S5,19119	K.CELEDPLILVHEK.K	2203.225	0.00502	3	1	38.6	0
P12163_1_F4,11375	K.DGVTVAK.S	1297.794	0.0015	2	1	24.1	0
P12163_2_F6,12853	K.EGVITHDGK.T	1676.979	0.00138	3	1	30	0
P12163_2_F7,12288	K.EGVITHDGK.T	1676.979	0.00081	3	1	36.8	0
P12163_1_F3,19089	K.GVEELADAVK.V	1638.952	0.006	2	1	58.7	0
P12163_1_F4,19380	K.GVEELADAVK.V	1638.952	0.00562	3	1	43.4	0
P12163_1_F4,19421	K.GVEELADAVK.V	1638.952	0.00866	2	1	57.7	0
P12163_1_F4,13621	K.IGGASEAEVGEK.K	1754.974	0.00887	3	1	38.1	0
P12163_1_F4,13661	K.IGGASEAEVGEK.K	1754.974	0.00827	2	1	51.7	0
P12163_2_F1,12664	K.IGGASEAEVGEK.K	1754.974	0.00367	2	1	46.2	0
P12163_2_F1,12703	K.IGGASEAEVGEK.K	1754.974	0.00668	3	1	35.3	0
P12163_1_F4,24885	K.IGVQIIQNALK.T	1805.147	0.00961	2	1	46.1	0
P12163_1_F4,24892	K.IGVQIIQNALK.T	1805.147	0.00518	3	1	39.5	0
P12163_1_F2,15127	K.ISNLTAVVR.V	1276.789	0.00393	3	1	23.3	0
P12163_2_F1,19274	K.ISNLTAVVR.V	1276.789	0.0039	2	1	29.8	0
P12163_1_S1,17380	K.LLEQDNTDLGYDAAK	2274.207	0.0088	3	1	67.4	0
P12163_1_F4,17840	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00685	2	1	36.2	0
P12163_1_F4,17849	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00546	3	1	29.5	0
P12163_1_F4,18755	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00627	3	1	29.5	0
P12163_1_F4,18793	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00573	2	1	36.3	0
P12163_1_F5,16593	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00381	2	1	33	0
P12163_1_F6,17094	K.LSGGVAVIK.V ! K.LSC	1451.941	0.0066	3	1	25.3	0
P12163_1_F7,15767	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00323	2	1	24.7	0
P12163_1_F7,15810	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00276	3	1	32.1	0
P12163_1_F7,16269	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00321	3	1	25.8	0

P12163_1_F8,17074	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00288	3	1	34.2	0
P12163_1_F9,16894	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00606	3	1	33.7	0
P12163_2_F1,16989	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00463	2	1	27.1	0
P12163_2_F1,17994	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00413	2	1	33.8	0
P12163_2_F2,356	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00372	3	1	27.9	0
P12163_2_F2,835	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00492	3	1	35.2	0
P12163_2_F2,864	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00453	2	1	37.9	0
P12163_2_F2,1030	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00414	3	1	33.4	0
P12163_2_F2,1058	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00323	2	1	37.1	0
P12163_2_F2,1221	K.LSGGVAVIK.V ! K.LSC	1451.941	0.0039	3	1	31.6	0
P12163_2_F2,1252	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00427	2	1	39.5	0
P12163_2_F2,1417	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00498	3	1	29.2	0
P12163_2_F2,1500	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00493	2	1	24.3	0
P12163_2_F2,1603	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00693	3	1	29.1	0
P12163_2_F2,1801	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00441	3	1	28.2	0
P12163_2_F2,1909	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00331	2	1	29.3	0
P12163_2_F2,1994	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00531	3	1	32.3	0
P12163_2_F2,2097	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00349	2	1	38.1	0
P12163_2_F2,2189	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00324	3	1	24.9	0
P12163_2_F4,15464	K.LSGGVAVIK.V ! K.LSC	1451.941	-0.00073	2	1	24.6	0
P12163_2_F4,15934	K.LSGGVAVIK.V ! K.LSC	1451.941	0.0063	3	1	24.1	0
P12163_2_F9,15243	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00042	3	1	22.6	0
P12163_2_S5,15426	K.LSGGVAVIK.V ! K.LSC	1451.941	0.0042	3	1	27.3	0
P12163_1_F5,14503	K.LSTANFDQK.I	1631.921	0.0073	2	1	37.4	0
P12163_1_F5,14724	K.NIGASLVK.Q	1409.894	0.0088	2	1	29.4	0
P12163_1_F5,14743	K.NIGASLVK.Q	1409.894	0.00155	3	1	38.6	0
P12163_2_F2,15519	K.NIGASLVK.Q	1409.894	0.00136	2	1	28.2	0
P12163_2_F2,15547	K.NIGASLVK.Q	1409.894	-0.00011	3	1	38.5	0
P12163_1_F4,18948	K.SGIIDPLK.V	1450.909	0.00912	2	1	35.4	0
P12163_1_F2,13795	K.SVAAGMNAMDRLR.R	1539.792	-0.00696	3	1	41.7	0
P12163_1_F2,17528	K.SVAAGMNAMDRLR.R	1539.792	0.00671	2	1	30.9	0
P12163_1_F3,24486	K.TLYNELEVVEGMK.L	2133.172	0.01227	3	1	42.2	0
P12163_1_F7,16533	K.TPVHTIAANAGVEGA\	2498.455	0.00392	3	1	25.3	0
P12163_1_F4,18420	K.VNLDMLGTCK.K	1758.97	0.01302	3	1	33.2	0
P12163_2_F1,19475	K.VNLDMLGTCK.K	1758.97	0.00447	3	1	40.6	0
P12163_2_F1,19535	K.VNLDMLGTCK.K	1758.97	0.01189	2	1	25.2	0
P12163_1_F4,21117	R.GYISPYFITNQK.N	2039.142	0.00551	3	1	31.7	0
P12163_1_F4,21126	R.GYISPYFITNQK.N	2039.142	0.01324	2	1	39.1	0
P12163_2_F1,20638	R.GYISPYFITNQK.N	2039.142	0.00086	3	1	40	0
P12163_2_F1,17864	R.NVVIEQSWGAPK.V	1936.111	0.00559	3	1	32.8	0
P12163_1_F4,12820	R.SAIENSTSDYDK.E	1937.991	0.00465	2	1	26.2	0
P12163_1_F4,24095	R.VLELALK.R	1393.924	0.00685	2	1	30.9	0
P12163_1_F4,24100	R.VLELALK.R	1393.924	0.00833	3	1	23.9	0
P12163_1_F5,22658	R.VLELALK.R	1393.924	0.00833	2	1	32.1	0
P12163_1_F5,22671	R.VLELALK.R	1393.924	0.01064	3	1	23.4	0
P12163_2_F1,23517	R.VLELALK.R	1393.924	0.00367	2	1	30.9	0
P12163_2_F1,23538	R.VLELALK.R	1393.924	0.00446	3	1	23.4	0
P12163_2_F1,23746	R.VLELALK.R	1393.924	0.00517	2	1	30.5	0
P12163_2_F1,11597	K.EVDGIK.V ! K.EVDGLI	1268.767	0.00441	3	1	23.8	0
P12163_1_F4,15788	K.GGTLISYEGK.V	1632.942	0.00252	2	1	38.7	0
P12163_1_F4,15828	K.GGTLISYEGK.V	1632.942	-0.00403	3	1	29.3	0

P12163_1_F4,15988	K.GGTLISYEGK.V	1632.942	0.00658	2	1	38.1	0
P12163_1_F4,16206	K.GGTLISYEGK.V	1632.942	0.00754	2	1	36	0
P12163_1_F5,14815	K.GGTLISYEGK.V	1632.942	-0.00082	2	1	31.8	0
P12163_1_F7,14170	K.GGTLISYEGK.V	1632.942	0.00482	3	1	32.3	0
P12163_2_F1,14764	K.GGTLISYEGK.V	1632.942	-0.00538	2	1	32	0
P12163_2_F1,14818	K.GGTLISYEGK.V	1632.942	0.00419	3	1	38.1	0
P12163_2_F1,14980	K.GGTLISYEGK.V	1632.942	0.00946	2	1	36.3	0
P12163_2_F1,15263	K.GGTLISYEGK.V	1632.942	0.01014	2	1	28.8	0
P12163_2_F9,14423	K.GGTLISYEGK.V	1632.942	0.00576	2	1	38.9	0
P12163_2_S5,14000	K.GGTLISYEGK.V	1632.942	-0.00203	3	1	23	0
P12163_1_F4,26557	K.IFNNTNLWVNLK.A	2084.211	0.00427	3	1	44.1	0
P12163_1_F9,18979	K.ILNHLIQNK.N	1701.063	0.00299	2	1	49.8	0
P12163_2_F9,17738	K.ILNHLIQNK.N	1701.063	0.00488	3	1	22.2	0
P12163_2_F9,17930	K.ILNHLIQNK.N	1701.063	0.00587	3	1	24.3	0
P12163_1_F4,23039	K.LDALISQGK.E	1552.952	0.00554	2	1	32.6	0
P12163_2_F1,21026	K.LDALISQGK.E	1552.952	0.01028	3	1	23.9	0
P12163_2_F1,21031	K.LDALISQGK.E	1552.952	0.00764	2	1	37.2	0
P12163_1_F2,19944	K.LEIPDGAVLENK.E	1906.111	0.00562	2	1	48.1	0
P12163_1_F2,19951	K.LEIPDGAVLENK.E	1906.111	0.00961	3	1	45.3	0
P12163_1_S1,18888	K.LEIPDGAVLENK.E	1906.111	0.00073	3	1	24.3	0
P12163_2_F2,20126	K.LEIPDGAVLENK.E	1906.111	-0.00935	3	1	33.6	0
P12163_1_F7,21281	K.LLEIAQVPDEHVNEFK	2489.386	0.00442	4	1	45.5	0
P12163_1_F7,21359	K.LLEIAQVPDEHVNEFK	2489.386	0.00141	2	1	39.3	0
P12163_1_F7,21473	K.LLEIAQVPDEHVNEFK	2489.386	0.00398	3	1	44.4	0
P12163_2_S5,20491	K.LLEIAQVPDEHVNEFK	2489.386	0.00833	3	1	29.5	0
P12163_2_S5,20548	K.LLEIAQVPDEHVNEFK	2489.386	0.00386	4	1	35.4	0
P12163_1_F4,16948	K.LNGGLGTTMGCTGPK	2072.109	0.00407	2	1	49.5	0
P12163_1_F4,16954	K.LNGGLGTTMGCTGPK	2072.109	0.00687	3	1	43.1	0
P12163_2_F1,16149	K.LNGGLGTTMGCTGPK	2072.109	0.00447	3	1	57	0
P12163_2_F1,16158	K.LNGGLGTTMGCTGPK	2072.109	0.00417	2	1	72	0
P12163_1_F4,18890	K.MEIPNPK.E	1549.923	0.00966	3	1	26.4	0
P12163_2_F1,18149	K.MEIPNPK.E	1549.923	0.00445	2	1	28.2	0
P12163_2_F1,18169	K.MEIPNPK.E	1549.923	0.00237	3	1	23.3	0
P12163_1_F4,12482	K.NEYCM*EVTPK.T	1894.95	0.00423	2	1	25.2	0
P12163_1_F4,14844	K.NEYCM*EVTPK.T	1878.955	0.00733	2	1	29	0
P12163_1_F4,14865	K.NEYCM*EVTPK.T	1878.955	0.00468	3	1	39.2	0
P12163_2_F1,13838	K.NEYCM*EVTPK.T	1878.955	0.00137	2	1	35.5	0
P12163_1_F3,19812	K.NPANPTIELGPEFK.K	2135.196	0.00245	2	1	65.7	0
P12163_1_F4,13777	K.SAVAGLNQISENEK.N	2068.149	0.00744	3	1	35.3	0
P12163_1_F4,16452	K.SAVAGLNQISENEK.N	2068.149	0.00351	3	1	27.8	0
P12163_1_F4,16480	K.SAVAGLNQISENEK.N	2068.149	0.00091	2	1	75.3	0
P12163_2_F1,15632	K.SAVAGLNQISENEK.N	2068.149	-0.00189	2	1	67	0
P12163_2_F4,14263	K.SAVAGLNQISENEK.N	2068.149	-0.00675	3	1	26.9	0
P12163_1_F3,21590	K.SIPSIHEDSLK.V	1923.162	0.00172	3	1	38.3	0
P12163_1_F3,24226	K.SIPSIHEDSLK.V	1923.162	0.0064	3	1	30.7	0
P12163_1_F5,23076	K.SIPSIHEDSLK.V	1923.162	0.00253	3	1	27.4	0
P12163_1_S1,21087	K.SIPSIHEDSLK.V	1923.162	-0.00059	3	1	38.8	0
P12163_1_F6,14222	K.SNVEIHTFNQSQYPR.L	2124.078	0.00006	2	1	35.9	0
P12163_1_S1,16323	K.VLQLETAAGAAIR.F	1616.964	0.00207	3	1	25.8	0
P12163_1_S1,21328	K.VLQLETAAGAAIR.F	1616.964	-0.00555	2	1	44.6	0
P12163_1_F7,22636	K.YGCNVPLLLM*NSFN1	3050.517	0.00362	3	1	35.2	0

P12163_1_F7,22677	K.YGCNVPLLLMNSFNTI	3034.522	0.00402	4	1	29.9	0
P12163_1_F7,22693	K.YGCNVPLLLMNSFNTI	3034.522	0.00077	3	1	22.1	0
P12163_1_F6,16277	R.FFDHAIGCNVHR.S	1776.891	0.00125	3	1	29.2	0
P12163_1_F6,16358	R.FFDHAIGCNVHR.S	1776.891	0.00225	4	1	43.1	0
P12163_2_F6,15479	R.FFDHAIGCNVHR.S	1776.891	0.00392	3	1	22.8	0
P12163_2_F6,15525	R.FFDHAIGCNVHR.S	1776.891	0.00265	4	1	40.6	0
P12163_2_F6,15536	R.FFDHAIGCNVHR.S	1776.891	0.00182	2	1	46.1	0
P12163_2_F8_12070	R.KNPANPTIELGPEFK.K	2567.496	-0.00346	4	1	32.4	0
P12163_1_F2,21411	R.LCADDVPLPCK.G	2043.086	0.00555	2	1	27.2	0
P12163_1_F2,21468	R.LCADDVPLPCK.G	2043.086	0.00327	3	1	37.2	0
P12163_1_F3,22054	R.LCADDVPLPCK.G	2043.086	0.01194	3	1	28.2	0
P12163_1_F3,22055	R.LCADDVPLPCK.G	2043.086	0.01031	2	1	34	0
P12163_2_F4,19928	R.LCADDVPLPCK.G	2043.086	0.00924	3	1	30.6	0
P12163_2_F1,17359	R.LVEADALK.M	1466.904	-0.00137	3	1	34.4	0
P12163_2_F4,15668	R.LVEADALK.M	1466.904	0.00362	2	1	35.7	0
P12163_2_F4,15677	R.LVEADALK.M	1466.904	0.00295	3	1	34.8	0
P12163_2_F6,15956	R.YLSGEAQHVEWSK.I	2142.144	0.00741	2	1	55.6	0
P12163_2_F6,15993	R.YLSGEAQHVEWSK.I	2142.144	0.0062	3	1	27.4	0
P12163_1_F3,9518	K.EAGVAVAR.V	1076.637	0.00267	2	1	24.9	0
P12163_2_F1,9078	K.EAGVAVAR.V	1076.637	0.00453	2	1	28.2	0
P12163_1_F4,10872	K.EVEEAEGK.V	1498.821	0.00819	3	1	24.7	0
P12163_2_F1,10040	K.EVEEAEGK.V	1498.821	0.00738	2	1	34.7	0
P12163_1_F2,15379	K.LDPVIGR.D	1073.662	0.00271	2	1	26	0
P12163_1_S1,14477	K.LDPVIGR.D	1073.662	0.00422	3	1	39.7	0
P12163_1_S1,14594	K.LDPVIGR.D	1073.662	0.00351	2	1	24.4	0
P12163_1_F3,16737	K.NNPVIIGEPGVGK.T ! f	1902.127	0.00297	3	1	31.1	0
P12163_1_F3,16751	K.NNPVIIGEPGVGK.T ! f	1902.127	0.00722	2	1	48.9	0
P12163_1_F4,17243	K.NNPVIIGEPGVGK.T ! f	1902.127	0.00414	3	1	50.9	0
P12163_1_F4,17252	K.NNPVIIGEPGVGK.T ! f	1902.127	0.0091	2	1	42.6	0
P12163_1_F5,16038	K.NNPVIIGEPGVGK.T ! f	1902.127	0.0046	2	1	42.6	0
P12163_1_F6,16044	K.NNPVIIGEPGVGK.T ! f	1902.127	0.00396	2	1	27.9	0
P12163_1_F6,16047	K.NNPVIIGEPGVGK.T ! f	1902.127	-0.00045	3	1	50.9	0
P12163_1_F6,16533	K.NNPVIIGEPGVGK.T ! f	1902.127	0.00396	2	1	24.1	0
P12163_2_F1,16460	K.NNPVIIGEPGVGK.T ! f	1902.127	0.0069	3	1	68.8	0
P12163_2_F1,16482	K.NNPVIIGEPGVGK.T ! f	1902.127	0.0034	2	1	61	0
P12163_2_F2,429	K.NNPVIIGEPGVGK.T ! f	1902.127	0.00675	3	1	30.1	0
P12163_2_F4,14921	K.NNPVIIGEPGVGK.T ! f	1902.127	-0.00324	3	1	33.4	0
P12163_2_F4,14959	K.NNPVIIGEPGVGK.T ! f	1902.127	-0.00354	2	1	40.7	0
P12163_1_F2,11368	K.TAVVEGLAQR.I	1347.79	0.00264	3	1	24.7	0
P12163_1_F2,16738	K.TAVVEGLAQR.I	1347.79	0.00447	3	1	30.7	0
P12163_1_F2,16950	K.VESASGDTTFQALK.T	2062.128	0.00908	3	1	27.7	0
P12163_1_F2,5559	K.YEGHHGVR.I	1258.659	0.00371	3	1	29.3	0
P12163_1_F3,5561	K.YEGHHGVR.I	1258.659	0.00098	3	1	25	0
P12163_2_F2,5837	K.YEGHHGVR.I	1258.659	0.00605	3	1	25.7	0
P12163_2_F4,5176	K.YEGHHGVR.I	1258.659	0.00656	3	1	28.5	0
P12163_1_F7,20621	R.AGLGRPQQPTGSFLFL	2893.651	-0.00437	3	1	22.7	0
P12163_1_F2,17783	R.ALVVAAQLSAR.Y	1402.868	0.00289	3	1	52.5	0
P12163_1_S1,20020	R.ALVVAAQLSAR.Y	1402.868	0.00241	3	1	56.2	0
P12163_1_F4,13310	R.DLVEQAGK.L	1467.863	0.00682	2	1	36.5	0
P12163_1_F4,13362	R.DLVEQAGK.L	1467.863	0.00663	3	1	29.2	0
P12163_2_F1,12327	R.DLVEQAGK.L	1467.863	0.00618	2	1	35.6	0

P12163_2_F1,12387	R.DLVEQAGK.L	1467.863	0.00531	3	1	23.8	0
P12163_1_F2,14791	R.DQVLQEV.R	1290.732	0.00198	2	1	24	0
P12163_1_S1,23673	R.EELLFALQEAER.R	1751.948	0.00222	2	1	49	0
P12163_1_S1,23679	R.EELLFALQEAER.R	1751.948	0.00239	3	1	72.1	0
P12163_1_S1,23882	R.EELLFALQEAER.R	1751.948	0.00188	2	1	48.1	0
P12163_1_S1,23886	R.EELLFALQEAER.R	1751.948	0.00356	3	1	50.1	0
P12163_1_S1,14003	R.GDVPSNLADVR.L	1446.785	0.00546	2	1	40.5	0
P12163_2_S5,13370	R.IDMSEYM*EQHSVSR.I	2031.942	-0.00111	3	1	29.5	0
P12163_1_F8,17162	R.IDMSEYMEQHSVSR.L	2015.947	0.00393	3	1	40.8	0
P12163_2_F4,16114	R.IDMSEYMEQHSVSR.L	2015.947	0.00276	3	1	40	0
P12163_2_F8_12070	R.IDMSEYMEQHSVSR.L	2015.947	0.00258	3	1	32.5	0
P12163_2_S5,16280	R.IDMSEYMEQHSVSR.L	2015.947	0.00303	3	1	41	0
P12163_1_F5,24826	R.LDEIVVFDPLSHEQLR.	2214.207	0.00284	3	1	36.6	0
P12163_1_F2,22467	R.LIALDM*GALVAGAK.	1967.182	0.00155	3	1	38.8	0
P12163_1_F3,27100	R.LIALDMGALVAGAK.Y	1951.187	0.01232	3	1	26.7	0
P12163_1_F5,17901	R.LIGAPPGYVGHEEGGQ	2554.357	0.00162	3	1	37.3	0
P12163_1_S10,17088	R.LIGAPPGYVGHEEGGQ	2554.357	0.00405	3	1	44.8	0
P12163_1_S10,17288	R.LIGAPPGYVGHEEGGQ	2554.357	0.00399	3	1	25.2	0
P12163_2_F8_12070	R.LIGAPPGYVGHEEGGQ	2554.357	0.00075	3	1	26.8	0
P12163_2_F8_12070	R.LIGAPPGYVGHEEGGQ	2554.357	-0.00066	4	1	48.5	0
P12163_1_F3,19517	R.LIGLAER.L	1075.678	0.002	2	1	23.9	0
P12163_1_F6,20028	R.RPYSVVLDFDEVEK.A	2189.243	0.00477	3	1	30.7	0
P12163_2_F6,19686	R.RPYSVVLDFDEVEK.A	2189.243	0.00219	3	1	48.5	0
P12163_2_F7,17881	R.RPYSVVLDFDEVEK.A	2189.243	0.00411	3	1	28	0
P12163_1_F4,9751	R.RYDLAR.A	1097.637	0.00625	3	1	28.6	0
P12163_2_F2,15825	R.VFNQAMK.K	1445.839	0.00172	2	1	25.5	0
P12163_2_F2,15924	R.VFNQAMK.K	1445.839	0.00306	3	1	24.2	0
P12163_2_F2,16044	R.VFNQAMK.K	1445.839	0.0062	2	1	24.9	0
P12163_1_S1,17152	K.AQALGDTSSLEFMR.G	1829.937	0.00255	3	1	59.8	0
P12163_1_S1,19443	K.AQALGDTSSLEFMR.G	1829.937	0.00259	2	1	64	0
P12163_1_S1,19447	K.AQALGDTSSLEFMR.G	1829.937	0.00357	3	1	44.5	0
P12163_1_F4,8830	K.EAPDTSGEK.F	1541.827	0.00734	3	1	28.4	0
P12163_2_F1,7997	K.EAPDTSGEK.F	1541.827	0.00671	3	1	29	0
P12163_2_S5,13785	K.EDLELGDEDEVKER.E	2284.176	0.00622	3	1	42.3	0
P12163_1_S1,17484	K.EELVDCLGTIAQSGTSI	2416.285	0.00681	3	1	38	0
P12163_1_S1,20440	K.EELVDCLGTIAQSGTSI	2416.285	0.0117	3	1	33.5	0
P12163_1_S1,20861	K.EELVDCLGTIAQSGTSI	2416.285	0.00685	4	1	24.4	0
P12163_1_S1,21466	K.EELVDCLGTIAQSGTSI	2416.285	0.01533	3	1	29.3	0
P12163_1_S1,21677	K.EELVDCLGTIAQSGTSI	2416.285	0.01755	3	1	53.3	0
P12163_1_S1,21697	K.EELVDCLGTIAQSGTSI	2416.285	0.00909	4	1	26.8	0
P12163_2_F9,14093	K.FEYQAEVSR.L	1432.737	0.00388	2	1	25.6	0
P12163_2_F6,11543	K.LGCVEDSGNHK.R	1823.953	0.00518	3	1	37	0
P12163_2_F7,10990	K.LGCVEDSGNHK.R	1823.953	0.0092	3	1	30.4	0
P12163_1_F4,6788	K.NAPDSTDAK.R	1526.827	0.00438	3	1	24.1	0
P12163_2_F1,7333	K.NAPDSTDAK.R	1526.827	0.00346	2	1	28.7	0
P12163_1_F3,25242	K.NYSQFVSFPIYTWQEK	2645.386	0.00552	3	1	48.4	0
P12163_1_F3,19811	K.QNAIYYLATDSLK.S	2108.185	0.00278	3	1	46.7	0
P12163_1_F3,23038	K.QNAIYYLATDSLK.S	2108.185	0.00341	3	1	43.8	0
P12163_1_F4,23837	K.QNAIYYLATDSLK.S	2108.185	0.00578	3	1	43.4	0
P12163_1_F4,23862	K.QNAIYYLATDSLK.S	2108.185	0.00082	2	1	71.4	0
P12163_1_F4,24073	K.QNAIYYLATDSLK.S	2108.185	0.00446	3	1	46	0

P12163_2_F1,23342	K.QNAIYYLATDSLK.S	2108.185	0.00632	3	1	40.1	0
P12163_2_F7,19861	K.QNAIYYLATDSLK.S	2108.185	0.00596	3	1	43.9	0
P12163_2_F9,20435	K.QNAIYYLATDSLK.S	2108.185	0.00575	3	1	48.9	0
P12163_1_S1,20396	K.QYVWEAEADSSSYVIF	2207.092	0.00409	3	1	62	0
P12163_1_S10,1530	K.RLAPLLR.F	1142.767	0.00472	3	1	29.3	0
P12163_2_F1,15660	K.SAPFLEK.L	1399.84	0.00003	3	1	25.8	0
P12163_1_F3,14313	R.ELVSNASDALDK.L	1870.038	0.00051	2	1	43	0
P12163_1_F3,14318	R.ELVSNASDALDK.L	1870.038	0.0084	3	1	46.3	0
P12163_1_F3,15042	R.ELVSNASDALDK.L	1870.038	0.02085	3	1	23.6	0
P12163_1_F3,15087	R.ELVSNASDALDK.L	1870.038	0.00061	2	1	26.7	0
P12163_1_F3,17085	R.ELVSNASDALDK.L	1870.038	0.00711	2	1	50.3	0
P12163_1_F6,16475	R.ELVSNASDALDK.L	1870.038	-0.00024	3	1	51.7	0
P12163_2_F2,16989	R.ELVSNASDALDK.L	1870.038	0.00108	3	1	26.5	0
P12163_1_F4,20630	R.GTQITLYLK.E	1645.014	0.00264	3	1	28.3	0
P12163_2_S5,15928	R.IKPDPENGTITITDTGIC	3130.743	-0.00017	4	1	42.5	0
P12163_1_F7,18030	R.IKPDPENGTITITDTGIC	3114.748	0.01442	3	1	61.5	0
P12163_1_F8,19851	R.ILEINPDHPIVK.D	1996.205	0.00493	2	1	49.3	0
P12163_1_F8,20023	R.ILEINPDHPIVK.D	1996.205	0.00474	3	1	33.8	0
P12163_2_F6,19507	R.ILEINPDHPIVK.D	1996.205	0.00499	2	1	51.8	0
P12163_2_F9,17399	R.ILEINPDHPIVK.D	1996.205	0.00159	3	1	23.9	0
P12163_2_S5,17972	R.ILEINPDHPIVK.D	1996.205	0.006	3	1	26.3	0
P12163_2_F7,16984	R.KTFDMIQDISQSENK.E	2696.469	0.00855	3	1	44.8	0
P12163_1_F3,17533	R.LSSSPCVLVSGK.F	1842.061	0.00417	2	1	52.4	0
P12163_1_F4,18044	R.LSSSPCVLVSGK.F	1842.061	0.00577	2	1	40.9	0
P12163_2_F1,17271	R.LSSSPCVLVSGK.F	1842.061	0.00387	2	1	34.2	0
P12163_1_F7,16098	R.RILEINPDHPIVK.D	2152.306	0.00801	4	1	27.5	0
P12163_2_F10,1504	R.RILEINPDHPIVK.D	2152.306	0.00557	4	1	30.5	0
P12163_1_S1,20275	R.SVLYIPGM*GPLNNEE	2840.515	0.00715	3	1	32.4	0
P12163_1_S1,21523	R.SVLYIPGMGPLNNEE	2840.515	-0.00695	3	1	23.4	0
P12163_1_S1,22677	R.SVLYIPGMGPLNNEE	2824.52	0.00973	3	1	51.8	0
P12163_1_S10,1886	R.YLSFVK.G	1364.84	0.0068	3	1	23.3	0
P12163_1_F3,17366	K.ASGSSTSNAIQSALPDI	2355.298	-0.00371	3	1	28.6	0
P12163_1_F3,19289	K.ASGSSTSNAIQSALPDI	2355.298	0.00292	3	1	65.9	0
P12163_1_F3,17353	K.DALAAM*EVLK.D	1684.976	0.00363	2	1	33.6	0
P12163_1_F3,21924	K.DALAAMEVLK.D	1668.981	0.00867	2	1	26.9	0
P12163_1_F3,22139	K.DALAAMEVLK.D	1668.981	0.00757	2	1	47.6	0
P12163_1_F3,22152	K.DALAAMEVLK.D	1668.981	0.00525	3	1	41	0
P12163_1_F4,22761	K.DALAAMEVLK.D	1668.981	0.00435	3	1	40.1	0
P12163_1_F4,12319	K.DDSAGPLDK.W	1525.832	0.0091	2	1	28.7	0
P12163_1_F2,11012	K.DQSSSSGDIQIEGEEK.S	2317.162	-0.00401	3	1	26.1	0
P12163_1_F2,12528	K.DQSSSSGDIQIEGEEK.S	2317.162	0.00646	3	1	61.9	0
P12163_2_F1,9228	K.EVDAAGCK.I	1457.788	0.00116	3	1	28.6	0
P12163_1_F8,20787	K.IAAWDANFVTPHK.R	2078.164	-0.00065	2	1	45.7	0
P12163_1_F8,20791	K.IAAWDANFVTPHK.R	2078.164	0.00365	3	1	60	0
P12163_2_F6,20342	K.IAAWDANFVTPHK.R	2078.164	0.00773	3	1	47.1	0
P12163_1_F3,19084	K.LGLPVPEK.L	1460.93	0.00281	2	1	27.5	0
P12163_1_F3,19409	K.NFADIVNQNVVQK.L	2097.191	0.00389	2	1	69.8	0
P12163_1_F3,19435	K.NFADIVNQNVVQK.L	2097.191	0.00664	3	1	51.8	0
P12163_1_F4,20039	K.NFADIVNQNVVQK.L	2097.191	0.00829	3	1	29.9	0
P12163_1_F4,20048	K.NFADIVNQNVVQK.L	2097.191	0.00349	2	1	65.4	0
P12163_2_F1,19568	K.NFADIVNQNVVQK.L	2097.191	0.00645	2	1	42.8	0

P12163_1_F8,18028	K.QEVQVHSGFLSAYDSV	2226.146	0.00225	3	1	48.5	0
P12163_1_S1,22845	K.QGAIFVTMYNFGSPR.'	1992.031	0.0048	3	1	51.3	0
P12163_1_F3,13453	K.SENGAVVSDMPSK.M	1929.021	0.00916	3	1	23.8	0
P12163_1_F4,12759	K.SFDEIQEEK.K	1732.921	0.00064	2	1	28.6	0
P12163_1_F4,15389	K.SFDEIQEEK.K	1732.921	0.00664	2	1	52.4	0
P12163_1_F4,19417	K.SFNDAYILK.D	1678.962	0.00832	2	1	36.1	0
P12163_1_F4,19475	K.SFNDAYILK.D	1678.962	0.00758	3	1	32.5	0
P12163_1_F5,18449	K.SFNDAYILK.D	1678.962	0.00707	3	1	22.6	0
P12163_1_F9,18214	K.SFNDAYILK.D	1678.962	0.00682	2	1	39.4	0
P12163_2_F1,18727	K.SFNDAYILK.D	1678.962	0.00894	2	1	49.4	0
P12163_2_F1,18754	K.SFNDAYILK.D	1678.962	0.00515	3	1	32	0
P12163_2_F9,17118	K.SFNDAYILK.D	1678.962	0.00632	3	1	22.6	0
P12163_1_F7,12621	K.SSNEESNVEEIYTHK.A	2374.198	0.00578	4	1	23.8	0
P12163_2_F4,13662	K.SSNEESNVEEIYTHK.A	2374.198	0.00935	3	1	26.1	0
P12163_1_F5,8142	R.AGLQSQK.I	1339.815	0.00165	2	1	30.9	0
P12163_2_F2,8997	R.AGLQSQK.I	1339.815	0.00597	2	1	31.2	0
P12163_1_S1,15881	R.DIIPTVPR.L	1214.741	0.00625	3	1	25.8	0
P12163_1_F3,20933	R.EIYDGQLFIK.L	1834.057	0.00767	3	1	47	0
P12163_1_F9,19960	R.EIYDGQLFIK.L	1834.057	0.00372	2	1	34.9	0
P12163_2_F1,21083	R.EIYDGQLFIK.L	1834.057	0.01178	2	1	50.8	0
P12163_2_F9,18685	R.EIYDGQLFIK.L	1834.057	0.01142	2	1	30	0
P12163_2_F9,18696	R.EIYDGQLFIK.L	1834.057	0.00665	3	1	36.8	0
P12163_2_F1,16563	R.FADVYNEK.V	1593.873	0.00687	3	1	23.4	0
P12163_2_F1,16566	R.FADVYNEK.V	1593.873	0.00576	2	1	35.9	0
P12163_2_F2,11480	R.GTEQTSWK.D	1544.853	0.00559	2	1	34	0
P12163_1_F4,23492	R.QFVDYAFGQLK.S	1924.079	0.0045	3	1	42.1	0
P12163_1_F3,15890	R.SIDGSMLDEK.K	1702.914	0.00348	2	1	35.7	0
P12163_1_F4,16407	R.SIDGSMLDEK.K	1702.914	0.00436	2	1	32.7	0
P12163_2_F1,8460	K.AEDEQVK.K	1426.8	0.00764	2	1	27.1	0
P12163_1_F7,11571	K.ATAGDTHLGGEDFDN	1979.936	0.00221	3	1	31.1	0
P12163_1_F8,9335	K.ATAGDTHLGGEDFDN	1979.936	0.00154	4	1	32.9	0
P12163_1_F8,10350	K.ATAGDTHLGGEDFDN	1979.936	0.00474	4	1	44.7	0
P12163_1_F8,10358	K.ATAGDTHLGGEDFDN	1979.936	0.00495	2	1	39	0
P12163_1_F8,10594	K.ATAGDTHLGGEDFDN	1979.936	0.00784	3	1	35.8	0
P12163_1_F8,10598	K.ATAGDTHLGGEDFDN	1979.936	0.00085	2	1	45.7	0
P12163_1_F8,10606	K.ATAGDTHLGGEDFDN	1979.936	0.0029	4	1	38.9	0
P12163_1_F8,12056	K.ATAGDTHLGGEDFDN	1979.936	0.00302	3	1	55.8	0
P12163_1_F8,12232	K.ATAGDTHLGGEDFDN	1979.936	0.00173	2	1	44.6	0
P12163_2_F9,11279	K.ATAGDTHLGGEDFDN	1979.936	0.00163	3	1	61.8	0
P12163_2_S5,9391	K.ATAGDTHLGGEDFDN	1979.936	0.00354	4	1	35.8	0
P12163_2_S5,10362	K.ATAGDTHLGGEDFDN	1979.936	0.00242	4	1	55.1	0
P12163_2_S5,10365	K.ATAGDTHLGGEDFDN	1979.936	0.00311	3	1	39.6	0
P12163_2_S5,10368	K.ATAGDTHLGGEDFDN	1979.936	0.01013	2	1	35	0
P12163_2_S5,10564	K.ATAGDTHLGGEDFDN	1979.936	0.00286	4	1	37.9	0
P12163_2_S5,11889	K.ATAGDTHLGGEDFDN	1979.936	0.0021	4	1	49.3	0
P12163_2_S5,11953	K.ATAGDTHLGGEDFDN	1979.936	-0.00161	3	1	41	0
P12163_1_F5,11319	K.CMEPVEK.C	1500.801	0.00642	2	1	25.4	0
P12163_1_S1,14893	K.DAGAIAGLNVM*R.I	1507.82	0.00185	3	1	74.5	0
P12163_1_S1,17881	K.DAGAIAGLNVMR.I	1491.825	0.0041	3	1	44.6	0
P12163_1_F4,23312	K.DNNLLGTFELK.G	1872.069	0.00604	2	1	50.3	0
P12163_1_F4,23511	K.DNNLLGTFELK.G	1872.069	-0.00285	3	1	21.9	0

P12163_1_F5,21942	K.DNNLLGTFELK.G	1872.069	0.00492	3	1	24.6	0
P12163_2_F1,22778	K.DNNLLGTFELK.G	1872.069	0.00759	3	1	61.9	0
P12163_2_F1,22812	K.DNNLLGTFELK.G	1872.069	0.00634	2	1	47.4	0
P12163_1_F7,17180	K.EIAEAYLGHAVK.N	1909.1	0.00661	3	1	35.4	0
P12163_1_F8,17972	K.EIAEAYLGHAVK.N	1909.1	0.0022	3	1	51.1	0
P12163_1_F8,17987	K.EIAEAYLGHAVK.N	1909.1	0.00116	2	1	78	0
P12163_2_F6,17471	K.EIAEAYLGHAVK.N	1909.1	0.0016	2	1	87.3	0
P12163_2_F6,17479	K.EIAEAYLGHAVK.N	1909.1	0.00375	3	1	39.1	0
P12163_1_F2,19591	K.ELEGICNPIIAK.M ! K.F	1965.13	0.00303	3	1	28.3	0
P12163_1_F3,20189	K.ELEGICNPIIAK.M ! K.F	1965.13	0.00643	2	1	57.2	0
P12163_1_F3,20297	K.ELEGICNPIIAK.M ! K.F	1965.13	0.00384	3	1	54.2	0
P12163_1_F3,20530	K.ELEGICNPIIAK.M ! K.F	1965.13	0.00767	2	1	70.2	0
P12163_1_F3,20577	K.ELEGICNPIIAK.M ! K.F	1965.13	0.00741	3	1	42	0
P12163_1_F6,19161	K.ELEGICNPIIAK.M ! K.F	1965.13	0.00165	3	1	25.6	0
P12163_1_F6,19175	K.ELEGICNPIIAK.M ! K.F	1965.13	0.00273	2	1	27	0
P12163_1_F6,19628	K.ELEGICNPIIAK.M ! K.F	1965.13	-0.00357	3	1	29.8	0
P12163_2_F4,18689	K.ELEGICNPIIAK.M ! K.F	1965.13	0.00795	3	1	25.5	0
P12163_2_F9,16996	K.LENYAYSMR.N	1450.73	0.00379	2	1	29.4	0
P12163_1_F4,12357	K.MVQEAEK.Y ! R.MVQI	1442.813	0.00599	2	1	28.1	0
P12163_1_F5,10859	K.MVQEAEK.Y ! R.MVQI	1442.813	0.00519	2	1	26.8	0
P12163_1_F5,10908	K.MVQEAEK.Y ! R.MVQI	1442.813	0.00899	3	1	35.2	0
P12163_1_F6,11909	K.MVQEAEK.Y ! R.MVQI	1442.813	0.00945	2	1	30.4	0
P12163_2_F1,11370	K.MVQEAEK.Y ! R.MVQI	1442.813	0.00503	2	1	27.8	0
P12163_2_F1,11390	K.MVQEAEK.Y ! R.MVQI	1442.813	0.00722	3	1	39.8	0
P12163_1_F8,18778	K.NAVVTVPAYFNDSQR	1985.039	-0.00348	2	1	30.4	0
P12163_1_F8,18854	K.NAVVTVPAYFNDSQR	1985.039	0.00299	3	1	33.4	0
P12163_1_S1,17806	K.NAVVTVPAYFNDSQR	1985.039	0.01346	2	1	36.9	0
P12163_1_S1,17812	K.NAVVTVPAYFNDSQR	1985.039	0.00257	3	1	27.2	0
P12163_2_F6,18372	K.NAVVTVPAYFNDSQR	1985.039	0.00464	2	1	47.4	0
P12163_2_F6,18440	K.NAVVTVPAYFNDSQR	1985.039	-0.00088	3	1	39.9	0
P12163_1_F4,13156	K.NQITITNDK.G	1654.958	0.00175	2	1	37.3	0
P12163_1_F5,11708	K.NQITITNDK.G	1654.958	0.00741	2	1	34.1	0
P12163_1_F5,11726	K.NQITITNDK.G	1654.958	0.00599	3	1	38.1	0
P12163_2_F1,12162	K.NQITITNDK.G	1654.958	0.00311	2	1	25.6	0
P12163_2_S5,11124	K.NQITITNDK.G	1654.958	0.0023	3	1	34.8	0
P12163_1_F3,11816	K.NQVAM*NPQNTVFDA	2301.212	0.01034	3	1	34.5	0
P12163_1_F3,13799	K.NQVAMNPQNTVFDAK	2285.217	0.00603	3	1	48	0
P12163_1_F3,17207	K.NQVAMNPQNTVFDAK	2285.217	0.00519	3	1	54.1	0
P12163_1_F3,17213	K.NQVAMNPQNTVFDAK	2285.217	0.01319	2	1	32.5	0
P12163_2_F7,18832	K.RFSPEEISSMVLTK.M	2232.252	0.00054	3	1	33.8	0
P12163_1_F6,15213	K.SQVHDIVLVGGSTR.I	1771.997	0.00155	2	1	38.4	0
P12163_1_F8,15024	K.SQVHDIVLVGGSTR.I	1771.997	0.00447	2	1	50.3	0
P12163_1_F8,15047	K.SQVHDIVLVGGSTR.I	1771.997	0.0025	3	1	45.3	0
P12163_2_F6,14465	K.SQVHDIVLVGGSTR.I	1771.997	-0.00007	3	1	45.4	0
P12163_1_S1,23194	R.FEELNM*DLFR.K	1633.82	0.00103	3	1	40.2	0
P12163_1_S1,23396	R.FEELNM*DLFR.K	1633.82	0.00348	2	1	42.5	0
P12163_1_S1,23417	R.FEELNM*DLFR.K	1633.82	0.00235	3	1	57.6	0
P12163_1_F2,23638	R.FSPEEISSM*VLTK.M	2092.146	0.00239	3	1	27.9	0
P12163_1_F2,22404	R.IINEPTAAAIAAYGLDK.I	2268.306	0.00735	3	1	45.2	0
P12163_1_F4,23908	R.IINEPTAAAIAAYGLDK.I	2268.306	0.00405	3	1	59.2	0
P12163_1_F5,22034	R.IINEPTAAAIAAYGLDK.I	2268.306	0.00048	3	1	35.6	0

P12163_1_F8,22408	R.IINEPTAAAIAAYGLDK.I	2268.306	0.00681	3	1	49.7	0
P12163_1_S1,21321	R.IINEPTAAAIAAYGLDK.I	2268.306	0.00492	3	1	53.3	0
P12163_1_S1,21346	R.IINEPTAAAIAAYGLDK.I	2268.306	-0.00297	2	1	75.2	0
P12163_1_S1,21375	R.IINEPTAAAIAAYGLDK.I	2268.306	0.00752	4	1	61	0
P12163_1_S1,21490	R.IINEPTAAAIAAYGLDK.I	2268.306	0.0003	3	1	54.8	0
P12163_1_S10,2039	R.IINEPTAAAIAAYGLDK.I	2268.306	0.00414	3	1	22.1	0
P12163_1_F8,21453	R.LVNHFVAEFR.R	1535.864	0.00198	3	1	24.2	0
P12163_2_F10,1917	R.LVNHFVAEFR.R	1535.864	-0.00531	3	1	27.3	0
P12163_2_F6,21030	R.LVNHFVAEFR.R	1535.864	0.00042	3	1	59	0
P12163_2_F6,21148	R.LVNHFVAEFR.R	1535.864	0.00371	2	1	25.8	0
P12163_2_F7,19163	R.LVNHFVAEFR.R	1535.864	0.0018	3	1	45.7	0
P12163_1_F8,14527	R.TTPSYVAFTDTER.L	1791.907	0.00344	3	1	24.1	0
P12163_1_F8,14585	R.TTPSYVAFTDTER.L	1791.907	0.00829	2	1	31.6	0
P12163_1_F8,16589	R.TTPSYVAFTDTER.L	1791.907	0.00553	2	1	47.8	0
P12163_2_F6,16074	R.TTPSYVAFTDTER.L	1791.907	0.00237	2	1	58	0
P12163_1_S1,14498	R.VEIIANDQGNR.I ! R.VI	1532.833	0.00335	2	1	30.8	0
P12163_1_S1,14657	R.VEIIANDQGNR.I ! R.VI	1532.833	0.00328	3	1	71.6	0
P12163_1_S1,14739	R.VEIIANDQGNR.I ! R.VI	1532.833	0.00397	2	1	33.7	0
P12163_1_S1,14901	R.VEIIANDQGNR.I ! R.VI	1532.833	0.00187	3	1	69.2	0
P12163_1_S1,14978	R.VEIIANDQGNR.I ! R.VI	1532.833	0.00507	2	1	32	0
P12163_1_S10,199	R.VEIIANDQGNR.I ! R.VI	1532.833	0.00184	3	1	35.4	0
P12163_1_S10,276	R.VEIIANDQGNR.I ! R.VI	1532.833	0.00555	2	1	29.8	0
P12163_1_F3,13701	K.ADDCIGPEVEK.L	1840.957	0.0075	3	1	35.1	0
P12163_1_F3,13838	K.ADDCIGPEVEK.L	1840.957	0.00876	2	1	50.6	0
P12163_1_F3,14165	K.ADDCIGPEVEK.L	1840.957	0.00809	2	1	26.4	0
P12163_1_F2,22301	K.ELDYLVGAVSSPK.R	1986.137	0.00448	3	1	38.2	0
P12163_1_F2,22463	K.ELDYLVGAVSSPK.R	1986.137	0.00489	2	1	63.7	0
P12163_1_F2,22500	K.ELDYLVGAVSSPK.R	1986.137	0.00271	3	1	45.9	0
P12163_1_F3,22905	K.ELDYLVGAVSSPK.R	1986.137	0.0067	3	1	39.4	0
P12163_1_F3,23139	K.ELDYLVGAVSSPK.R	1986.137	0.01745	2	1	54.9	0
P12163_1_F3,23252	K.ELDYLVGAVSSPK.R	1986.137	0.00178	3	1	44.9	0
P12163_1_F5,22151	K.ELDYLVGAVSSPK.R	1986.137	0.0013	3	1	47.2	0
P12163_2_F6,22094	K.ELDYLVGAVSSPK.R	1986.137	0.00244	3	1	48.6	0
P12163_2_F7,19972	K.ELDYLVGAVSSPK.R	1986.137	0.00265	3	1	29.4	0
P12163_1_F4,12676	K.FAPDANSK.V	1457.821	0.00651	3	1	21.9	0
P12163_1_F4,12697	K.FAPDANSK.V	1457.821	0.00671	2	1	28.3	0
P12163_1_F3,18027	K.FAVGTEAIAK.K	1614.967	0.00636	2	1	37.2	0
P12163_1_F3,18071	K.FAVGTEAIAK.K	1614.967	0.00321	3	1	51.2	0
P12163_1_F4,18475	K.FAVGTEAIAK.K	1614.967	0.00932	2	1	33.6	0
P12163_1_F4,18494	K.FAVGTEAIAK.K	1614.967	0.01065	3	1	33.6	0
P12163_1_F5,17253	K.FAVGTEAIAK.K	1614.967	0.00612	3	1	30.2	0
P12163_1_F5,17266	K.FAVGTEAIAK.K	1614.967	0.00524	2	1	47.8	0
P12163_1_F6,17224	K.FAVGTEAIAK.K	1614.967	0.00303	3	1	35.9	0
P12163_2_F1,17792	K.FAVGTEAIAK.K	1614.967	0.00524	2	1	49.7	0
P12163_2_F1,17817	K.FAVGTEAIAK.K	1614.967	0.0066	3	1	46.9	0
P12163_2_F1,18084	K.FAVGTEAIAK.K	1614.967	0.00292	2	1	32.4	0
P12163_2_F4,15849	K.FAVGTEAIAK.K	1614.967	0.00114	3	1	35.6	0
P12163_2_F4,15875	K.FAVGTEAIAK.K	1614.967	0.0013	2	1	32.1	0
P12163_1_F2,17770	K.FSLAPLVPR.L	1303.804	0.00457	3	1	30.7	0
P12163_1_F2,22618	K.FSLAPLVPR.L	1303.804	0.00284	2	1	25.8	0
P12163_1_F2,22634	K.FSLAPLVPR.L	1303.804	0.00265	3	1	22.1	0

P12163_1_S1,16510	K.FSLAPLVPR.L	1303.804	0.00442	3	1	43.3	0
P12163_1_S1,21208	K.FSLAPLVPR.L	1303.804	0.00166	3	1	46.6	0
P12163_1_F2,23316	K.GVNLLLPSDVVIADK.I	2161.305	0.00053	3	1	22.7	0
P12163_1_F3,24343	K.GVNLLLPSDVVIADK.I	2161.305	0.00095	3	1	44.1	0
P12163_1_F5,23098	K.GVNLLLPSDVVIADK.I	2161.305	0.00116	3	1	43	0
P12163_1_F7,22300	K.GVNLLLPSDVVIADK.I	2161.305	0.00665	3	1	31.3	0
P12163_1_S1,21820	K.GVNLLLPSDVVIADK.I	2161.305	0.00482	3	1	53.2	0
P12163_1_S1,21836	K.GVNLLLPSDVVIADK.I	2161.305	0.00295	4	1	52.2	0
P12163_1_S1,21849	K.GVNLLLPSDVVIADK.I	2161.305	0.00554	2	1	32.8	0
P12163_1_S1,22080	K.GVNLLLPSDVVIADK.I	2161.305	0.00425	3	1	36.5	0
P12163_1_S10,20750	K.GVNLLLPSDVVIADK.I	2161.305	0.01151	3	1	26.8	0
P12163_1_F2,16437	K.GVTTHIGGGDSVAAVE	2182.254	0.00519	3	1	52.8	0
P12163_1_F2,18546	K.GVTTHIGGGDSVAAVE	2182.254	0.0054	3	1	52.9	0
P12163_1_F2,18639	K.GVTTHIGGGDSVAAVE	2182.254	0.00535	2	1	72.6	0
P12163_1_F3,19208	K.GVTTHIGGGDSVAAVE	2182.254	0.00801	3	1	43.6	0
P12163_1_F5,18050	K.GVTTHIGGGDSVAAVE	2182.254	0.00501	3	1	73	0
P12163_1_F7,17774	K.GVTTHIGGGDSVAAVE	2182.254	-0.00243	3	1	46	0
P12163_1_S1,14256	K.GVTTHIGGGDSVAAVE	2182.254	0.01662	3	1	27.6	0
P12163_1_S1,17262	K.GVTTHIGGGDSVAAVE	2182.254	0.00435	3	1	84.6	0
P12163_1_S1,17305	K.GVTTHIGGGDSVAAVE	2182.254	0.00519	2	1	102	0
P12163_1_S1,17309	K.GVTTHIGGGDSVAAVE	2182.254	0.00587	4	1	94.9	0
P12163_1_S1,17551	K.GVTTHIGGGDSVAAVE	2182.254	0.00696	3	1	74.6	0
P12163_1_S10,17310	K.GVTTHIGGGDSVAAVE	2182.254	0.00528	3	1	74.8	0
P12163_1_F9,9808	K.HLIQNGAK.V	1488.911	0.00393	3	1	33.2	0
P12163_1_F6,16504	K.LADLSGK.G	1311.809	0.00424	2	1	31.3	0
P12163_1_F7,23912	K.LASLADLYVNDAFGT.	2238.182	0.00345	3	1	22.7	0
P12163_1_F3,25809	K.LDLATTLAK.A	1667.056	0.00428	3	1	29.5	0
P12163_1_F9,15934	K.RPFAAIVGGSK.V	1711.047	0.00382	3	1	22	0
P12163_1_S10,15830	K.RPFAAIVGGSK.V	1711.047	0.00631	3	1	35.2	0
P12163_2_F10,14720	K.RPFAAIVGGSK.V	1711.047	0.00787	3	1	28.3	0
P12163_2_F8_12070	K.RPFAAIVGGSK.V	1711.047	0.00706	3	1	25.2	0
P12163_2_F8_12070	K.RPFAAIVGGSK.V	1711.047	0.00532	3	1	33.7	0
P12163_1_F3,16237	K.SVGELSGADLK.G	1683.974	0.00403	2	1	32.1	0
P12163_1_F4,13971	K.SVGELSGADLK.G	1683.974	0.00591	3	1	26.8	0
P12163_1_F4,14638	K.SVGELSGADLK.G	1683.974	0.00612	3	1	40	0
P12163_1_F4,16750	K.SVGELSGADLK.G	1683.974	0.00367	2	1	59.7	0
P12163_1_F4,16802	K.SVGELSGADLK.G	1683.974	0.00588	3	1	51.7	0
P12163_1_F5,15486	K.SVGELSGADLK.G	1683.974	0.00893	2	1	43.7	0
P12163_1_F7,14779	K.SVGELSGADLK.G	1683.974	0.00078	3	1	34.4	0
P12163_2_F1,12760	K.SVGELSGADLK.G	1683.974	0.00624	3	1	37.3	0
P12163_2_F1,15873	K.SVGELSGADLK.G	1683.974	0.00684	3	1	58.4	0
P12163_2_F1,15881	K.SVGELSGADLK.G	1683.974	0.00511	2	1	59.5	0
P12163_2_F2,673	K.SVGELSGADLK.G	1683.974	0.00225	3	1	33	0
P12163_2_F4,14393	K.SVGELSGADLK.G	1683.974	0.00381	2	1	30.9	0
P12163_1_F4,12946	K.TFNEALDTTK.T	1747.969	0.00879	3	1	35.9	0
P12163_1_F4,14277	K.TFNEALDTTK.T	1747.969	0.00552	3	1	41.2	0
P12163_1_F4,16244	K.TFNEALDTTK.T	1747.969	0.00369	3	1	28.1	0
P12163_1_F5,14979	K.TFNEALDTTK.T	1747.969	0.00881	2	1	51.2	0
P12163_1_F7,14337	K.TFNEALDTTK.T	1747.969	0.00385	2	1	27.5	0
P12163_2_F1,15384	K.TFNEALDTTK.T	1747.969	0.01095	3	1	25.5	0
P12163_2_F1,15394	K.TFNEALDTTK.T	1747.969	0.00647	2	1	55.4	0

P12163_1_F4,15095	K.VILSSHLGRP.K	1815.142	0.00772	2	1	29.9	0
P12163_1_F6,14702	K.VILSSHLGRP.K	1815.142	0.00798	3	1	22.2	0
P12163_2_F6,21768	K.YLKPSVAGFLLQK.E	2376.478	0.00547	3	1	34.3	0
P12163_1_F4,14637	R.AAVPTIK.H ! R.AAVPT	1307.851	0.00683	3	1	28	0
P12163_1_F5,13135	R.AAVPTIK.H ! R.AAVPT	1307.851	0.00884	3	1	29.6	0
P12163_2_F1,13618	R.AAVPTIK.H ! R.AAVPT	1307.851	0.00683	3	1	28.6	0
P12163_2_F2,3791	R.AAVPTIK.H ! R.AAVPT	1307.851	0.01148	3	1	27.9	0
P12163_2_S5,12124	R.AAVPTIK.H ! R.AAVPT	1307.851	0.00107	3	1	27.9	0
P12163_1_F6,8430	R.AHASTEGVTK.Y	1608.917	0.01051	2	1	38.1	0
P12163_1_F6,8434	R.AHASTEGVTK.Y	1608.917	0.00424	3	1	37.1	0
P12163_2_F7,7619	R.AHASTEGVTK.Y	1608.917	0.00442	3	1	50.7	0
P12163_2_S5,8088	R.AHASTEGVTK.Y	1608.917	0.00574	3	1	44.1	0
P12163_2_S5,8187	R.AHASTEGVTK.Y	1608.917	0.0033	4	1	44.3	0
P12163_2_F8_12070	R.FYKEEEK.N	1885.083	0.01154	2	1	29	0
P12163_1_F3,26432	R.LSELLGIQVVK.A	1807.151	0.00576	3	1	38.4	0
P12163_1_F4,27273	R.LSELLGIQVVK.A	1807.151	0.00555	3	1	31.6	0
P12163_1_F8,13032	K.DEVQNVGVHVDK.K	1947.076	0.00793	3	1	39.2	0
P12163_1_F8,13110	K.DEVQNVGVHVDK.K	1947.076	0.00372	2	1	69.6	0
P12163_1_F7,11866	K.DEVQNVGVHVDK.K.R	2379.376	0.01447	4	1	32.4	0
P12163_1_F3,14614	K.DEYGEGELVDK.I	1861.964	0.00695	2	1	38.4	0
P12163_1_F6,16519	K.EAGLKDEVQNVGVHV	2749.561	0.00425	3	1	28.7	0
P12163_1_F8,17279	K.EAGLKDEVQNVGVHV	2749.561	0.00538	4	1	27.7	0
P12163_2_F10,15410	K.EAGLKDEVQNVGVHV	2749.561	0.00976	5	1	29	0
P12163_1_F8,19950	K.GLLYLGM*GVSGGEE	1986.027	0.00154	2	1	36.5	0
P12163_2_F6,19414	K.GLLYLGM*GVSGGEE	1986.027	0.00176	2	1	41.1	0
P12163_1_F3,23306	K.GWNLNFGELAR.I	1580.849	0.00329	2	1	33.8	0
P12163_2_F1,23357	K.GWNLNFGELAR.I	1580.849	0.00425	2	1	39.5	0
P12163_1_F2,21690	K.ICSYAQGM*NLIR.A !	1745.898	0.00184	3	1	32.9	0
P12163_2_F1,18407	K.ICSYAQGM*NLIR.A !	1745.898	0.00632	2	1	25.6	0
P12163_1_S10,1298	K.RLIDDVR.Q	1190.716	0.00352	3	1	33.2	0
P12163_2_F8_12070	K.RLIDDVR.Q	1190.716	0.00127	3	1	37.1	0
P12163_1_F8,19424	K.VAAQVDDGPCVTYIG	3048.556	0.0073	3	1	85.6	0
P12163_1_S1,18237	K.VAAQVDDGPCVTYIG	3048.556	0.00424	3	1	85.8	0
P12163_1_F9,14434	R.ARLPANLVQAQR.D	1640.986	0.00371	3	1	33.9	0
P12163_2_F8_12070	R.ARLPANLVQAQR.D	1640.986	0.00146	3	1	28.8	0
P12163_1_F3,16741	R.AVFLDR.I	1024.609	0.00173	2	1	26.8	0
P12163_2_F6,16904	R.DFVLSIQRPR.S	1534.901	0.00293	3	1	24.3	0
P12163_1_F6,14991	R.DLFGAHTYER.I	1512.775	0.00182	3	1	47.5	0
P12163_1_F9,14647	R.DLFGAHTYER.I	1512.775	0.00014	3	1	33.8	0
P12163_2_F4,13764	R.DLFGAHTYER.I	1512.775	0.00449	3	1	37.5	0
P12163_2_F6,14171	R.DLFGAHTYER.I	1512.775	0.00401	3	1	48.8	0
P12163_2_F7,13229	R.DLFGAHTYER.I	1512.775	0.00083	3	1	49.1	0
P12163_2_F7,13455	R.DLFGAHTYER.I	1512.775	0.00149	3	1	30.3	0
P12163_1_F6,14764	R.EGQLPLTGHYTPR.D	1772.96	0.00306	3	1	36.7	0
P12163_1_F7,12326	R.EGQLPLTGHYTPR.D	1772.96	0.00297	3	1	31.1	0
P12163_1_F7,14030	R.EGQLPLTGHYTPR.D	1772.96	0.00237	3	1	49.8	0
P12163_1_F8,14662	R.EGQLPLTGHYTPR.D	1772.96	0.00237	3	1	53.2	0
P12163_2_F6,14123	R.EGQLPLTGHYTPR.D	1772.96	0.00163	2	1	29.4	0
P12163_2_F9,13526	R.EGQLPLTGHYTPR.D	1772.96	-0.00058	3	1	45.4	0
P12163_2_S3,12873	R.EGQLPLTGHYTPR.D	1772.96	0.00302	3	1	35.3	0
P12163_1_F6,16471	R.HGPSLM*PGGSFEAYN	2267.118	0.00747	3	1	36.8	0

P12163_1_F7,15599	R.HGPSLM*PGGSFEAYN	2267.118	0.00087	3	1	54.2	0
P12163_1_F7,17448	R.HGPSLM*PGGSFEAYN	2267.118	0.0003	3	1	41.5	0
P12163_2_F10,1507	R.HGPSLM*PGGSFEAYN	2267.118	-0.00132	3	1	24.4	0
P12163_2_F6,17725	R.HGPSLM*PGGSFEAYN	2267.118	0.0057	3	1	59.6	0
P12163_1_F6,18293	R.HGPSLMPGGSFEAYN	2251.123	0.00312	3	1	41	0
P12163_1_F7,17409	R.HGPSLMPGGSFEAYN	2251.123	0.00765	3	1	45.6	0
P12163_1_F8,18182	R.HGPSLMPGGSFEAYN	2251.123	0.00345	3	1	50.2	0
P12163_2_F10,1643	R.HGPSLMPGGSFEAYN	2251.123	0.01245	3	1	23	0
P12163_2_F6,17708	R.HGPSLMPGGSFEAYN	2251.123	0.00414	3	1	34.7	0
P12163_1_F5,7343	R.IHEASQK.G	1420.837	0.00231	3	1	26.9	0
P12163_1_S10,9002	R.IHEASQK.G	1420.837	0.00798	3	1	32	0
P12163_1_S10,9208	R.IHEASQK.G	1420.837	0.00711	3	1	24.8	0
P12163_2_F8_1207	R.IHEASQK.G	1420.837	0.00549	3	1	32.7	0
P12163_1_F2,15655	R.LIDDVR.Q ! K.LIDDVR	1034.615	0.00216	2	1	26.7	0
P12163_1_F3,16355	R.LIDDVR.Q ! K.LIDDVR	1034.615	0.0016	2	1	36.5	0
P12163_1_S1,14090	R.LIDDVR.Q ! K.LIDDVR	1034.615	0.00218	2	1	35.5	0
P12163_1_F2,16574	R.LPANLVQAQR.D	1413.848	0.00372	3	1	22.9	0
P12163_1_F2,16815	R.LPANLVQAQR.D	1413.848	0.00343	2	1	25.5	0
P12163_1_S1,15559	R.LPANLVQAQR.D	1413.848	0.00063	3	1	53.7	0
P12163_1_F5,11592	R.QALYASK.I	1388.836	0.00874	2	1	30.2	0
P12163_1_F5,11663	R.QALYASK.I	1388.836	0.00755	3	1	33.6	0
P12163_1_F6,12559	R.QALYASK.I	1388.836	0.00528	2	1	26.3	0
P12163_1_S10,1296	R.QALYASK.I	1388.836	0.00581	3	1	26.6	0
P12163_2_F2,12380	R.QALYASK.I	1388.836	0.00652	2	1	29.9	0
P12163_2_F2,12384	R.QALYASK.I	1388.836	0.00686	3	1	30	0
P12163_2_F8_1207	R.QALYASK.I	1388.836	0.00676	2	1	30.4	0
P12163_1_F4,20176	R.SVILVK.A	1379.945	0.00419	3	1	23.9	0
P12163_1_F4,20204	R.SVILVK.A	1379.945	0.00436	2	1	33.3	0
P12163_1_F4,20444	R.SVILVK.A	1379.945	0.00617	3	1	24.6	0
P12163_2_F1,19742	R.SVILVK.A	1379.945	0.00584	3	1	26.8	0
P12163_2_F1,19762	R.SVILVK.A	1379.945	0.00538	2	1	34.7	0
P12163_2_F1,20012	R.SVILVK.A	1379.945	-0.0032	2	1	26	0
P12163_2_F4,17816	R.SVILVK.A	1379.945	0.00191	3	1	26.9	0
P12163_2_F1,6891	K.DPSGAK.V	1182.694	0.00091	3	1	26.7	0
P12163_1_F5,14587	K.EVSSYLK.K	1433.846	0.01118	2	1	24.6	0
P12163_2_F1,14639	K.EVSSYLK.K	1433.846	0.0115	2	1	30.2	0
P12163_2_F1,14650	K.EVSSYLK.K	1433.846	0.00492	3	1	23.7	0
P12163_2_F2,15372	K.EVSSYLK.K	1433.846	0.00562	2	1	30.1	0
P12163_2_F8_1207	K.EVSSYLK.K	1433.846	0.00459	3	1	25.3	0
P12163_1_S1,13053	K.IGGIGTVPVGR.V	1329.816	0.00272	3	1	35	0
P12163_1_S1,15806	K.IGGIGTVPVGR.V	1329.816	0.00299	3	1	50.3	0
P12163_1_S1,16020	K.IGGIGTVPVGR.V	1329.816	0.004	2	1	34.8	0
P12163_1_S1,23690	K.LDFLLSNAAR.F	1494.858	0.00104	3	1	52	0
P12163_1_S1,23750	K.LDFLLSNAAR.F	1494.858	0.00352	2	1	39.6	0
P12163_1_S1,23896	K.LDFLLSNAAR.F	1494.858	0.00272	3	1	68.9	0
P12163_1_S1,23954	K.LDFLLSNAAR.F	1494.858	0.00382	2	1	39.3	0
P12163_2_F2,11403	K.QMICCCNK.M	1721.842	0.00714	2	1	29.4	0
P12163_1_F4,10642	K.SFIGTTR.R	1085.626	0.00378	3	1	27.2	0
P12163_1_F3,26990	K.SFPADLVLEQLK.A	2081.247	0.00584	3	1	39.9	0
P12163_2_S3,11488	K.STTGHLIYK.L	1729.01	0.00463	3	1	31.3	0
P12163_2_S5,12215	K.STTGHLIYK.L	1729.01	0.00507	2	1	28.4	0

P12163_1_F4,21367	K.YCCQINGFSSLNLTK.L	2413.246	0.00194	3	1	45.2	0
P12163_1_F6,12423	K.YYCTVIDAPGHR.D	1755.879	0.00383	4	1	22.6	0
P12163_1_F7,14645	K.YYCTVIDAPGHR.D	1755.879	0.0032	3	1	39.4	0
P12163_1_F8,15318	K.YYCTVIDAPGHR.D	1755.879	0.00347	3	1	35.4	0
P12163_1_F8,15337	K.YYCTVIDAPGHR.D	1755.879	0.01186	2	1	34.7	0
P12163_2_F6,14776	K.YYCTVIDAPGHR.D	1755.879	0.01322	2	1	35.8	0
P12163_2_F9,14517	K.YYCTVIDAPGHR.D	1755.879	0.00266	3	1	40.1	0
P12163_2_S3,13753	K.YYCTVIDAPGHR.D	1755.879	0.00275	3	1	38.4	0
P12163_2_S5,14626	K.YYCTVIDAPGHR.D	1755.879	0.00167	3	1	24	0
P12163_1_S1,12316	R.AAPSSLAVTANESPNR	1889.003	0.0013	2	1	38.8	0
P12163_1_F8,10779	R.CQGGANAGHTIYNAE	2356.192	0.00415	3	1	25	0
P12163_1_F4,12766	R.GIGPAYSSK.V	1487.868	0.00618	2	1	26.5	0
P12163_1_F5,11274	R.GIGPAYSSK.V	1487.868	0.00765	3	1	26.1	0
P12163_1_S10,12310	R.GIGPAYSSK.V	1487.868	0.00738	3	1	26.7	0
P12163_2_F8_12070	R.GIGPAYSSK.V	1487.868	-0.00018	3	1	28.8	0
P12163_2_F8_12070	R.GIGPAYSSK.V	1487.868	0.0061	2	1	34.7	0
P12163_1_F5,8390	R.GYVASNSK.D	1433.821	0.00221	2	1	27.8	0
P12163_1_S10,10000	R.GYVASNSK.D	1433.821	0.00625	2	1	27.7	0
P12163_1_F9,12352	R.HMDTFPQK.L	1611.877	0.00748	2	1	24.3	0
P12163_2_F9,11621	R.HMDTFPQK.L	1611.877	0.00741	3	1	28.7	0
P12163_1_F4,19769	R.LPLQDVYK.I	1583.962	0.01294	2	1	29.6	0
P12163_1_F4,19960	R.LPLQDVYK.I	1583.962	0.00988	2	1	29.3	0
P12163_1_F9,18573	R.LPLQDVYK.I	1583.962	0.00766	2	1	25.6	0
P12163_2_F1,19232	R.LPLQDVYK.I	1583.962	0.00594	2	1	27.5	0
P12163_2_F1,19251	R.LPLQDVYK.I	1583.962	0.00828	3	1	26.4	0
P12163_2_F1,19432	R.LPLQDVYK.I	1583.962	0.00882	2	1	27.3	0
P12163_2_F1,19651	R.LPLQDVYK.I	1583.962	0.0055	2	1	27.3	0
P12163_1_F4,15684	R.QTVAVGVIK.S ! R.QTV	1522.978	0.00495	2	1	50	0
P12163_1_F4,15687	R.QTVAVGVIK.S ! R.QTV	1522.978	0.00277	3	1	40.1	0
P12163_1_F7,14182	R.QTVAVGVIK.S ! R.QTV	1522.978	0.00286	3	1	41.9	0
P12163_1_F7,14194	R.QTVAVGVIK.S ! R.QTV	1522.978	0.00483	2	1	24.1	0
P12163_2_F1,14780	R.QTVAVGVIK.S ! R.QTV	1522.978	0.01093	2	1	32.4	0
P12163_2_F1,14786	R.QTVAVGVIK.S ! R.QTV	1522.978	0.01153	3	1	40.7	0
P12163_1_F5,16409	R.STNLDWYK.G	1634.9	0.00839	2	1	29.7	0
P12163_2_F1,16778	R.STNLDWYK.G	1634.9	0.00543	2	1	41.9	0
P12163_2_F2,17076	R.STNLDWYK.G	1634.9	0.00583	2	1	39.8	0
P12163_2_F2,17156	R.STNLDWYK.G	1634.9	0.00448	3	1	25	0
P12163_1_F7,17658	R.VGSGFPFTEILGQGGD	2241.193	0.00112	4	1	48.3	0
P12163_1_F7,17690	R.VGSGFPFTEILGQGGD	2241.193	0.00239	3	1	43.4	0
P12163_1_F7,19414	R.VGSGFPFTEILGQGGD	2241.193	0.00245	3	1	71.8	0
P12163_1_F8,20488	R.VGSGFPFTEILGQGGD	2241.193	0.00638	3	1	30.3	0
P12163_2_F4,19002	R.VGSGFPFTEILGQGGD	2241.193	-0.00094	3	1	23.5	0
P12163_2_S5,18707	R.VGSGFPFTEILGQGGD	2241.193	0.00016	4	1	25.7	0
P12163_2_S5,18713	R.VGSGFPFTEILGQGGD	2241.193	0.0038	3	1	67.1	0
P12163_1_F3,24084	R.VVGDIGVVK.A	1607.035	0.00533	3	1	43.6	0
P12163_1_F3,24313	R.VVGDIGVVK.A	1607.035	0.0059	2	1	58.6	0
P12163_1_S1,8419	K.CATITPDEAR.V	1437.731	-0.00132	3	1	30.5	0
P12163_1_S1,10490	K.CATITPDEAR.V	1437.731	0.00381	3	1	82	0
P12163_1_F3,24362	K.DIFQEVYEANWK.S	2150.138	0.00607	3	1	45.2	0
P12163_1_F6,18866	K.DLALIIHGSK.M ! K.DL	1675.036	0.00589	3	1	28.5	0
P12163_1_F6,18919	K.DLALIIHGSK.M ! K.DL	1675.036	0.00754	2	1	32.4	0

P12163_2_F6,18431	K.DLALIIHGSK.M ! K.DL	1675.036	0.00178	3	1	42.2	0
P12163_1_F6,19797	K.FEAAGIWYEHR.L	1682.859	0.00171	3	1	33.5	0
P12163_2_F6,19211	K.FEAAGIWYEHR.L	1682.859	0.0027	3	1	28.9	0
P12163_1_F9,18612	K.KWPLYLSTK.N	2048.267	0.01307	3	1	30.1	0
P12163_2_F9,17580	K.KWPLYLSTK.N	2048.267	0.00248	3	1	32.8	0
P12163_1_F3,16245	K.LEAACVGTVESGK.M	1929.057	0.00706	3	1	46.9	0
P12163_1_F3,16247	K.LEAACVGTVESGK.M	1929.057	0.00877	2	1	52.9	0
P12163_1_F3,19937	K.LVFPVEGK.D	1496.93	0.00973	2	1	25.9	0
P12163_1_F3,19951	K.LVFPVEGK.D	1496.93	0.00438	3	1	31.8	0
P12163_1_F5,15191	K.SEGGYVWACK.N	1764.92	0.00358	2	1	39.2	0
P12163_1_F6,11911	K.TIEAEAAHGTVTR.H !	1659.897	0.00126	3	1	24.2	0
P12163_1_F7,7463	K.TIEAEAAHGTVTR.H !	1659.897	0.00228	3	1	32.3	0
P12163_1_F7,10909	K.TIEAEAAHGTVTR.H !	1659.897	0.00198	3	1	42.2	0
P12163_1_F7,11225	K.TIEAEAAHGTVTR.H !	1659.897	0.00036	3	1	32.2	0
P12163_1_F8,7716	K.TIEAEAAHGTVTR.H !	1659.897	0.003	3	1	37.8	0
P12163_1_F8,11355	K.TIEAEAAHGTVTR.H !	1659.897	0.00534	3	1	36.8	0
P12163_2_F6,7635	K.TIEAEAAHGTVTR.H !	1659.897	0.00177	3	1	31.8	0
P12163_2_F6,8008	K.TIEAEAAHGTVTR.H !	1659.897	0.00231	3	1	36.1	0
P12163_2_F6,11169	K.TIEAEAAHGTVTR.H !	1659.897	0.00225	3	1	53.3	0
P12163_2_F6,11196	K.TIEAEAAHGTVTR.H !	1659.897	-0.00213	2	1	27.8	0
P12163_2_F6,11481	K.TIEAEAAHGTVTR.H !	1659.897	0.00225	3	1	52.8	0
P12163_1_F3,17087	K.VTVESAEATLK.Y	1756.031	0.0072	3	1	32	0
P12163_1_F3,17128	K.VTVESAEATLK.Y	1756.031	-0.0027	2	1	52.2	0
P12163_2_F1,16767	K.VTVESAEATLK.Y	1756.031	0	3	1	22.2	0
P12163_2_F1,22501	K.WPLYLSTK.N	1615.967	0.00513	3	1	26.3	0
P12163_1_S10,1407	K.YNVAIK.C	1315.819	0.00485	3	1	25.2	0
P12163_2_F2,14319	K.YNVAIK.C	1315.819	0.00587	3	1	22.3	0
P12163_1_F4,17196	R.AFAEASM*NTAYQK.K	2056.063	0.00932	3	1	32.9	0
P12163_1_F4,17194	R.AFAEASMNTAYQK.K	2040.068	0.00833	3	1	51.2	0
P12163_1_F4,17206	R.AFAEASMNTAYQK.K	2040.068	0.00371	2	1	65.2	0
P12163_2_F1,16357	R.AFAEASMNTAYQK.K	2040.068	0.01835	3	1	28	0
P12163_2_F1,16409	R.AFAEASMNTAYQK.K	2040.068	0.01301	2	1	57.3	0
P12163_1_F3,12940	R.ATDTVIQGPBK.L	1694.99	0.0058	3	1	24.3	0
P12163_1_F3,12968	R.ATDTVIQGPBK.L	1694.99	0.00627	2	1	36.5	0
P12163_1_F4,13511	R.ATDTVIQGPBK.L	1694.99	0.00509	2	1	42.8	0
P12163_2_S5,15581	R.DATDDKVTVESAEATI	2705.497	-0.00113	3	1	37.5	0
P12163_1_F4,14531	R.EPIICK.N	1367.818	0.01134	3	1	22.7	0
P12163_2_S5,9795	R.HAFGDQYR.A	1297.659	0.00302	3	1	34.1	0
P12163_1_F3,27915	R.LIDDM*VAYAIK.S ! R.	1876.071	0.00822	3	1	38.5	0
P12163_1_F3,26913	R.LIDDMVAYAIK.S ! R.L	1860.076	0.00567	3	1	39.8	0
P12163_1_F3,27973	R.LIDDMVAYAIK.S ! R.L	1860.076	0.00441	3	1	25.1	0
P12163_1_F4,22587	R.LLDFTEK.L	1473.877	0.00567	2	1	25.6	0
P12163_1_F3,15656	R.NILNGTVFR.E	1337.784	0.00247	3	1	28.4	0
P12163_1_F3,11607	K.AIVYDNNSR.Q	1355.722	0.00526	2	1	26.7	0
P12163_1_F9,11547	K.AIVYDNNSR.Q	1355.722	0.00164	2	1	24.1	0
P12163_1_F5,9563	K.ASEDASLK.L	1428.815	0.00486	3	1	26.1	0
P12163_1_F6,9923	K.ATTVSHTYSK.E	1702.958	0.00434	2	1	40.7	0
P12163_2_S5,9395	K.ATTVSHTYSK.E	1702.958	0.00022	3	1	31.5	0
P12163_1_F2,10739	K.DGLSIVAR.L	1134.678	0.00089	3	1	30.5	0
P12163_1_F2,14538	K.DGLSIVAR.L	1134.678	0.00234	2	1	35.9	0
P12163_1_F2,14772	K.DGLSIVAR.L	1134.678	0.00282	2	1	30.7	0

P12163_1_F3,12142	K.EGSGTPVSGEYGGPTK	2131.113	0.0134	3	1	50.5	0
P12163_1_F7,13196	K.EVAGDPAIAPHLHK.F	2063.186	0.00975	3	1	33.5	0
P12163_1_F7,13210	K.EVAGDPAIAPHLHK.F	2063.186	0.00649	4	1	30.4	0
P12163_1_F8,13754	K.EVAGDPAIAPHLHK.F	2063.186	0.00269	4	1	34	0
P12163_1_F8,13797	K.EVAGDPAIAPHLHK.F	2063.186	0.00504	3	1	43.7	0
P12163_2_F10,1260	K.EVAGDPAIAPHLHK.F	2063.186	0.00473	3	1	33	0
P12163_1_S1,20282	K.FIPVSYTSENLEVEGK.R	2291.274	0.01384	3	1	62.9	0
P12163_1_S10,1187	K.HLNLNK.S	1346.836	0.00654	3	1	27.9	0
P12163_2_F8_12070	K.HLNLNK.S	1346.836	0.00666	3	1	26.6	0
P12163_2_S3,7791	K.QSSSLAHAK.E	1536.895	0.00589	3	1	25.4	0
P12163_1_F3,9122	K.SSQVVGNGSVGR.I	1450.792	0.00314	2	1	26.8	0
P12163_2_F10,1674	K.TGGLYDTVFDVDHDK	2575.325	0.00904	4	1	29.5	0
P12163_2_F4,17212	K.TGGLYDTVFDVDHDK	2575.325	0.0084	4	1	33.8	0
P12163_2_F9,14292	R.AISAYYDGR.E	1319.69	0.00624	2	1	30.4	0
P12163_1_F5,18891	R.EWLNSLCK.T	1657.919	0.00294	2	1	30.7	0
P12163_2_F1,18873	R.IDDVFEK.E	1601.899	0.00949	2	1	30.4	0
P12163_1_F8,12757	R.IEAEHAAIEADR.A	1628.854	0.00171	3	1	39.6	0
P12163_1_F8,12763	R.IEAEHAAIEADR.A	1628.854	0.00053	2	1	26	0
P12163_2_F6,12315	R.IEAEHAAIEADR.A	1628.854	0.00165	3	1	45.4	0
P12163_2_F4,19887	R.IQNDFVNLANELHSSH	2484.253	0.00116	4	1	26.2	0
P12163_1_F3,19336	R.LADENFLR.Q	1281.71	0.00266	2	1	25	0
P12163_1_F6,10790	R.RIEAEHAAIEADR.A	1784.956	0.00819	3	1	44.9	0
P12163_2_F1,18760	R.TGDWVYAK.V	1749.906	0.00158	2	1	26.1	0
P12163_1_F7,16279	R.TVQDLNHNVDIILPK.Y	2327.354	0.00545	3	1	29.3	0
P12163_1_F7,18552	R.TVQDLNHNVDIILPK.Y	2327.354	0.0063	4	1	24	0
P12163_1_F8,19515	R.TVQDLNHNVDIILPK.Y	2327.354	0.00947	3	1	24	0
P12163_1_F8,19567	R.TVQDLNHNVDIILPK.Y	2327.354	0.00322	4	1	22.8	0
P12163_2_S5,17691	R.TVQDLNHNVDIILPK.Y	2327.354	0.00677	3	1	42.9	0
P12163_1_F4,11211	K.AQAETGEIK.G	1554.895	0.00691	2	1	24.7	0
P12163_1_F4,11254	K.AQAETGEIK.G	1554.895	0.00465	3	1	51.8	0
P12163_1_F5,7974	K.AQAETGEIK.G	1554.895	0.00261	3	1	31.4	0
P12163_1_F5,9786	K.AQAETGEIK.G	1554.895	0.00721	2	1	38.9	0
P12163_1_F5,9796	K.AQAETGEIK.G	1554.895	0.00774	3	1	42.6	0
P12163_1_F8,10103	K.AQAETGEIK.G	1554.895	0.00075	2	1	28.7	0
P12163_2_F1,10317	K.AQAETGEIK.G	1554.895	0.00583	2	1	36.7	0
P12163_2_F1,10462	K.AQAETGEIK.G	1554.895	0.00513	3	1	55.5	0
P12163_2_F2,10723	K.AQAETGEIK.G	1554.895	0.00533	2	1	35.8	0
P12163_2_S5,9619	K.AQAETGEIK.G	1554.895	-0.00075	3	1	43.8	0
P12163_1_F8,12166	K.ASVGFK.A	1216.751	0.00075	3	1	23.8	0
P12163_2_F6,11868	K.ASVGFK.A	1216.751	0.00165	3	1	21.9	0
P12163_1_S1,9960	K.DDENVNSQPFM*R.W	1771.822	0.00624	3	1	29.3	0
P12163_1_S1,11345	K.DDENVNSQPFM*R.W	1771.822	0.0041	3	1	40.1	0
P12163_1_S1,11543	K.DDENVNSQPFMR.W	1755.827	0.0042	3	1	32.5	0
P12163_1_S1,13426	K.DDENVNSQPFMR.W	1755.827	0.00369	2	1	37.1	0
P12163_1_S1,13458	K.DDENVNSQPFMR.W	1755.827	0.00351	3	1	66.4	0
P12163_1_S1,13674	K.DDENVNSQPFMR.W	1755.827	0.00417	2	1	26.8	0
P12163_1_F2,18796	K.DTDILAAFR.V	1325.737	0.00689	3	1	26	0
P12163_1_F2,21865	K.DTDILAAFR.V	1325.737	-0.00317	2	1	28.8	0
P12163_1_F5,21201	K.DTDILAAFR.V	1325.737	0.00051	2	1	31.7	0
P12163_1_F5,21745	K.DTDILAAFR.V	1325.737	0.00647	2	1	32.6	0
P12163_1_S1,18186	K.DTDILAAFR.V	1325.737	0.00275	3	1	36.2	0

P12163_1_S1,18194	K.DTDILAAFR.V	1325.737	0.00061	2	1	27.8	0
P12163_1_S1,21111	K.DTDILAAFR.V	1325.737	0.00485	3	1	47.3	0
P12163_1_S1,21217	K.DTDILAAFR.V	1325.737	0.00273	2	1	45.5	0
P12163_2_F4,20156	K.DTDILAAFR.V	1325.737	0.00441	2	1	37.2	0
P12163_1_F6,13621	K.GHYLNATAGTCEEM*	2419.221	0.0041	3	1	37.7	0
P12163_1_F6,13913	K.GHYLNATAGTCEEM*	2419.221	0.00593	3	1	73.7	0
P12163_1_F6,15696	K.GHYLNATAGTCEEM*	2419.221	0.00431	3	1	72.8	0
P12163_1_F6,15713	K.GHYLNATAGTCEEM*	2419.221	0.00814	4	1	39.5	0
P12163_1_F7,13228	K.GHYLNATAGTCEEM*	2419.221	0.00836	3	1	37.8	0
P12163_1_F7,13265	K.GHYLNATAGTCEEM*	2419.221	0.01066	4	1	26.8	0
P12163_1_F7,14913	K.GHYLNATAGTCEEM*	2419.221	0.00587	3	1	55.2	0
P12163_1_F8,13809	K.GHYLNATAGTCEEM*	2419.221	0.01568	3	1	24.3	0
P12163_2_F6,13294	K.GHYLNATAGTCEEM*	2419.221	-0.00046	3	1	68	0
P12163_2_F6,15015	K.GHYLNATAGTCEEM*	2419.221	0.00214	4	1	55.9	0
P12163_2_F6,15049	K.GHYLNATAGTCEEM*	2419.221	0.00713	3	1	79.4	0
P12163_1_F6,13842	K.GHYLNATAGTCEEML	2403.226	0.00563	3	1	51.8	0
P12163_1_F6,15695	K.GHYLNATAGTCEEML	2403.226	0.0056	3	1	71.9	0
P12163_1_F6,15697	K.GHYLNATAGTCEEML	2403.226	0.00422	4	1	52.5	0
P12163_1_F8,15577	K.GHYLNATAGTCEEML	2403.226	0.00626	3	1	71.1	0
P12163_2_F6,15002	K.GHYLNATAGTCEEML	2403.226	0.00443	3	1	72.7	0
P12163_2_F6,15021	K.GHYLNATAGTCEEML	2403.226	0.00206	4	1	39.9	0
P12163_2_F6,15026	K.GHYLNATAGTCEEML	2403.226	0.00605	2	1	42.6	0
P12163_2_F7,12351	K.GHYLNATAGTCEEML	2403.226	0.0113	4	1	22.5	0
P12163_2_F7,13835	K.GHYLNATAGTCEEML	2403.226	0.00452	3	1	63.7	0
P12163_2_F2,14178	K.LGLSAK.N	1196.782	0.00696	3	1	22	0
P12163_1_F2,18879	K.LTYYPDPDYVTK.D	1972.089	0.00274	2	1	50.8	0
P12163_1_F2,18885	K.LTYYPDPDYVTK.D	1972.089	-0.00208	3	1	31.8	0
P12163_1_F3,16748	K.LTYYPDPDYVTK.D	1972.089	0.00532	2	1	26.4	0
P12163_1_F3,19408	K.LTYYPDPDYVTK.D	1972.089	0.00454	2	1	44	0
P12163_1_F3,19418	K.LTYYPDPDYVTK.D	1972.089	0.00452	3	1	34.7	0
P12163_1_F5,18386	K.LTYYPDPDYVTK.D	1972.089	0.00284	2	1	25.3	0
P12163_1_F5,18772	K.LTYYPDPDYVTK.D	1972.089	0.00676	2	1	31.2	0
P12163_1_F7,18028	K.LTYYPDPDYVTK.D	1972.089	0.00671	3	1	35.4	0
P12163_1_F7,18035	K.LTYYPDPDYVTK.D	1972.089	0.00296	2	1	53.5	0
P12163_1_S10,1762	K.LTYYPDPDYVTK.D	1972.089	0.00497	3	1	29.9	0
P12163_2_F4,17643	K.LTYYPDPDYVTK.D	1972.089	0.00266	2	1	46	0
P12163_2_F4,17648	K.LTYYPDPDYVTK.D	1972.089	0.0038	3	1	34.9	0
P12163_2_F6,18466	K.LTYYPDPDYVTK.D	1972.089	0.00476	2	1	46	0
P12163_2_F6,18477	K.LTYYPDPDYVTK.D	1972.089	0.00353	3	1	35.8	0
P12163_2_F7,16841	K.LTYYPDPDYVTK.D	1972.089	0.00572	2	1	58.9	0
P12163_2_F7,16858	K.LTYYPDPDYVTK.D	1972.089	0.00944	3	1	26.3	0
P12163_2_F7,17047	K.LTYYPDPDYVTK.D	1972.089	0.00788	2	1	43.7	0
P12163_1_F4,4796	K.NHGM*HFR.V	1218.61	0.00451	3	1	31.1	0
P12163_1_F4,7807	K.NHGM*HFR.V	1218.61	0.00466	3	1	34.7	0
P12163_1_F4,7820	K.NHGMHFR.V	1202.615	0.00175	3	1	42.9	0
P12163_2_S3,7316	K.NHGMHFR.V	1202.615	0.00244	4	1	36.8	0
P12163_2_S3,7423	K.NHGMHFR.V	1202.615	-0.00059	3	1	39.6	0
P12163_1_F8,10161	K.RAVFAR.E	1023.636	0.00645	3	1	27.5	0
P12163_1_F6,14275	K.TFQGPPHGIQVER.D	1769.96	0.00086	3	1	25	0
P12163_1_F7,13488	K.TFQGPPHGIQVER.D	1769.96	0.0032	3	1	46.6	0
P12163_1_F7,13494	K.TFQGPPHGIQVER.D	1769.96	0.00006	2	1	28.7	0

P12163_1_F8,11819 K.TFQGPPHGIQVER.D	1769.96	-0.00436	3	1	51.2	0
P12163_1_F8,11841 K.TFQGPPHGIQVER.D	1769.96	0.00263	4	1	41.1	0
P12163_1_F8,14037 K.TFQGPPHGIQVER.D	1769.96	0.00138	2	1	49	0
P12163_1_F8,14043 K.TFQGPPHGIQVER.D	1769.96	0.00227	3	1	58.3	0
P12163_1_F8,17431 K.TFQGPPHGIQVER.D	1769.96	0.00188	3	1	24.7	0
P12163_1_F8,17634 K.TFQGPPHGIQVER.D	1769.96	0.00272	3	1	41.5	0
P12163_1_F8,18390 K.TFQGPPHGIQVER.D	1769.96	0.00293	3	1	27.5	0
P12163_1_F8,19840 K.TFQGPPHGIQVER.D	1769.96	-0.004	3	1	30.7	0
P12163_1_F8,20075 K.TFQGPPHGIQVER.D	1769.96	0.0044	3	1	25.5	0
P12163_1_F8,20326 K.TFQGPPHGIQVER.D	1769.96	0.00266	3	1	55.5	0
P12163_1_F9,13954 K.TFQGPPHGIQVER.D	1769.96	0.00203	3	1	23.6	0
P12163_2_F6,11556 K.TFQGPPHGIQVER.D	1769.96	-0.00025	3	1	31	0
P12163_2_F6,11571 K.TFQGPPHGIQVER.D	1769.96	0.00103	4	1	43.6	0
P12163_2_F6,21031 K.TFQGPPHGIQVER.D	1769.96	0.00218	3	1	23.3	0
P12163_2_F6,21612 K.TFQGPPHGIQVER.D	1769.96	0.00041	3	1	26.2	0
P12163_2_F6,23513 K.TFQGPPHGIQVER.D	1769.96	0.00305	3	1	26.4	0
P12163_2_F6,24211 K.TFQGPPHGIQVER.D	1769.96	0.00149	3	1	42.2	0
P12163_2_F6,24705 K.TFQGPPHGIQVER.D	1769.96	0.00065	3	1	38.9	0
P12163_2_F6,24862 K.TFQGPPHGIQVER.D	1769.96	0.00209	3	1	24.7	0
P12163_1_F3,23238 K.WSPELAAACEVWK.S	2155.147	0.00299	2	1	46.3	0
P12163_1_F3,23299 K.WSPELAAACEVWK.S	2155.147	0.00615	3	1	49.3	0
P12163_1_F4,23994 K.WSPELAAACEVWK.S	2155.147	0.00545	3	1	41.2	0
P12163_1_F7,10862 R.AM*HAVIDR.Q	1232.672	0.00108	3	1	33.6	0
P12163_1_F9,7498 R.AM*HAVIDR.Q	1232.672	0.00283	2	1	28.6	0
P12163_1_F9,11601 R.AM*HAVIDR.Q	1232.672	0.00399	3	1	24	0
P12163_2_F7,10803 R.AM*HAVIDR.Q	1232.672	0.00342	3	1	39.6	0
P12163_2_F7,10809 R.AM*HAVIDR.Q	1232.672	0.00217	2	1	27.2	0
P12163_1_F7,10900 R.AMHAVIDR.Q	1216.677	-0.00006	3	1	26.7	0
P12163_1_F9,11576 R.AMHAVIDR.Q	1216.677	0.00373	2	1	29.1	0
P12163_1_F9,11760 R.AMHAVIDR.Q	1216.677	0.003	3	1	46.3	0
P12163_2_F10,1083 R.AMHAVIDR.Q	1216.677	-0.00126	3	1	31	0
P12163_2_F7,10750 R.AMHAVIDR.Q	1216.677	0.00267	2	1	30.5	0
P12163_1_F5,14113 R.DNGLLLHIHR.A	1491.87	0.00252	3	1	35.8	0
P12163_1_F6,15041 R.DNGLLLHIHR.A	1491.87	0.00095	3	1	45.4	0
P12163_1_F6,15043 R.DNGLLLHIHR.A	1491.87	0.00161	4	1	38	0
P12163_1_F6,15053 R.DNGLLLHIHR.A	1491.87	0.0036	2	1	48	0
P12163_1_F6,15304 R.DNGLLLHIHR.A	1491.87	0.00153	3	1	51.1	0
P12163_1_F6,22250 R.DNGLLLHIHR.A	1491.87	0.00237	3	1	28.7	0
P12163_1_F6,22514 R.DNGLLLHIHR.A	1491.87	0.0032	3	1	35.3	0
P12163_1_F6,22725 R.DNGLLLHIHR.A	1491.87	-0.01066	3	1	34.8	0
P12163_1_F6,22955 R.DNGLLLHIHR.A	1491.87	0.00615	3	1	26.5	0
P12163_1_F6,24403 R.DNGLLLHIHR.A	1491.87	0.00147	3	1	30.4	0
P12163_1_F7,14302 R.DNGLLLHIHR.A	1491.87	0.0032	3	1	26.5	0
P12163_2_F4,13462 R.DNGLLLHIHR.A	1491.87	-0.00019	4	1	32.5	0
P12163_2_F4,13860 R.DNGLLLHIHR.A	1491.87	0.00345	3	1	36.3	0
P12163_2_F6,14215 R.DNGLLLHIHR.A	1491.87	0.00288	3	1	41.3	0
P12163_2_F6,14220 R.DNGLLLHIHR.A	1491.87	0.00145	4	1	49.6	0
P12163_2_F6,14227 R.DNGLLLHIHR.A	1491.87	0.00337	4	1	55.5	0
P12163_2_F6,14242 R.DNGLLLHIHR.A	1491.87	0.00272	2	1	48.1	0
P12163_2_F6,14483 R.DNGLLLHIHR.A	1491.87	0.00381	4	1	23.1	0
P12163_2_F6,14579 R.DNGLLLHIHR.A	1491.87	0.00018	3	1	29.6	0

P12163_2_F6,23058	R.DNGLLLHIHR.A	1491.87	0.00185	3	1	32.6	0
P12163_2_F7,13299	R.DNGLLLHIHR.A	1491.87	0.00374	3	1	47.7	0
P12163_2_F7,13312	R.DNGLLLHIHR.A	1491.87	-0.00547	4	1	37.1	0
P12163_1_F7,22788	R.FLFCAEALYK.A	1870.039	-0.00232	3	1	30.5	0
P12163_1_F5,14504	R.GGLDFTK.D	1345.794	0.0108	3	1	25.8	0
P12163_1_F5,14576	R.GGLDFTK.D	1345.794	0.00782	2	1	28.7	0
P12163_2_F1,14594	R.GGLDFTK.D	1345.794	0.0065	2	1	26.3	0
P12163_2_F1,14621	R.GGLDFTK.D	1345.794	0.00486	3	1	23.5	0
P12163_2_S5,13710	R.GGLDFTK.D	1345.794	-0.00771	3	1	25.7	0
P12163_1_F8,16534	R.GGLDFTKDDENVNSQ	2794.393	0.01155	3	1	36	0
P12163_2_S5,15499	R.GGLDFTKDDENVNSQ	2794.393	0.01259	4	1	27.3	0
P12163_2_S5,15507	R.GGLDFTKDDENVNSQ	2794.393	0.0027	3	1	28.5	0
P12163_2_S5,16797	R.GGLDFTKDDENVNSQ	2778.398	0.00643	4	1	43.3	0
P12163_1_F4,14458	R.IPPAYTK.T	1397.861	0.01364	3	1	27	0
P12163_1_F4,14721	R.IPPAYTK.T	1397.861	0.00524	3	1	41.8	0
P12163_1_F5,13205	R.IPPAYTK.T	1397.861	0.01067	3	1	25.8	0
P12163_1_F9,13858	R.IPPAYTK.T	1397.861	0.01091	3	1	24	0
P12163_2_F1,13643	R.IPPAYTK.T	1397.861	0.00668	3	1	37	0
P12163_2_F1,13926	R.IPPAYTK.T	1397.861	0.00302	3	1	25.7	0
P12163_2_F9,12677	R.IPPAYTK.T	1397.861	0.00446	3	1	26.1	0
P12163_2_S5,12250	R.IPPAYTK.T	1397.861	0.00158	3	1	26.6	0
P12163_1_F4,13249	R.LSGGDHIHAGTVVGK	2056.176	0.00792	3	1	24.5	0
P12163_1_F4,13298	R.LSGGDHIHAGTVVGK	2056.176	0.00464	2	1	54.7	0
P12163_1_F6,12797	R.LSGGDHIHAGTVVGK	2056.176	0.00972	3	1	37.1	0
P12163_1_F7,10443	R.LSGGDHIHAGTVVGK	2056.176	0.00777	3	1	23.3	0
P12163_1_F7,12170	R.LSGGDHIHAGTVVGK	2056.176	0.00452	2	1	43.2	0
P12163_2_F10,1186	R.LSGGDHIHAGTVVGK	2056.176	0.00429	3	1	32.8	0
P12163_2_F4,11808	R.LSGGDHIHAGTVVGK	2056.176	0.00326	2	1	47.7	0
P12163_2_F4,11921	R.LSGGDHIHAGTVVGK	2056.176	0.00315	3	1	36.7	0
P12163_2_F4,12652	R.LSGGDHIHAGTVVGK	2056.176	0.0042	3	1	31.2	0
P12163_2_F4,23710	R.LSGGDHIHAGTVVGK	2056.176	0.00432	3	1	40.3	0
P12163_2_F8_12070	R.LSGGDHIHAGTVVGK	2056.176	0.00615	3	1	38.5	0
P12163_2_S3,11261	R.LSGGDHIHAGTVVGK	2056.176	0.00606	3	1	32.3	0
P12163_1_F2,15163	R.VALEACVQAR.N	1420.788	0.00398	2	1	25.6	0
P12163_2_F7,5789	K.AEDDEHK.K	1451.759	0.00358	3	1	25	0
P12163_1_F7,11571	K.ATAGDTHLGGEDFDN	1979.936	0.00221	3	1	31.1	0
P12163_1_F8,9335	K.ATAGDTHLGGEDFDN	1979.936	0.00154	4	1	32.9	0
P12163_1_F8,10350	K.ATAGDTHLGGEDFDN	1979.936	0.00474	4	1	44.7	0
P12163_1_F8,10358	K.ATAGDTHLGGEDFDN	1979.936	0.00495	2	1	39	0
P12163_1_F8,10594	K.ATAGDTHLGGEDFDN	1979.936	0.00784	3	1	35.8	0
P12163_1_F8,10598	K.ATAGDTHLGGEDFDN	1979.936	0.00085	2	1	45.7	0
P12163_1_F8,10606	K.ATAGDTHLGGEDFDN	1979.936	0.0029	4	1	38.9	0
P12163_1_F8,12056	K.ATAGDTHLGGEDFDN	1979.936	0.00302	3	1	55.8	0
P12163_1_F8,12232	K.ATAGDTHLGGEDFDN	1979.936	0.00173	2	1	44.6	0
P12163_2_F9,11279	K.ATAGDTHLGGEDFDN	1979.936	0.00163	3	1	61.8	0
P12163_2_S5,9391	K.ATAGDTHLGGEDFDN	1979.936	0.00354	4	1	35.8	0
P12163_2_S5,10362	K.ATAGDTHLGGEDFDN	1979.936	0.00242	4	1	55.1	0
P12163_2_S5,10365	K.ATAGDTHLGGEDFDN	1979.936	0.00311	3	1	39.6	0
P12163_2_S5,10368	K.ATAGDTHLGGEDFDN	1979.936	0.01013	2	1	35	0
P12163_2_S5,10564	K.ATAGDTHLGGEDFDN	1979.936	0.00286	4	1	37.9	0
P12163_2_S5,11889	K.ATAGDTHLGGEDFDN	1979.936	0.0021	4	1	49.3	0

P12163_2_S5,11953	K.ATAGDTHLGGEDFDN	1979.936	-0.00161	3	1	41	0
P12163_1_F5,11319	K.CMEPVEK.C	1500.801	0.00642	2	1	25.4	0
P12163_1_S1,15598	K.DAGVISGLNVM*R.I	1551.847	0.00494	3	1	41	0
P12163_1_S1,15610	K.DAGVISGLNVM*R.I	1551.847	0.00586	2	1	40	0
P12163_1_S1,18405	K.DAGVISGLNVMR.I	1535.852	0.00202	2	1	39.3	0
P12163_1_S1,18420	K.DAGVISGLNVMR.I	1535.852	-0.00484	3	1	50.9	0
P12163_1_F3,19020	K.EIAEAYLGTTIK.N	1917.115	0.00194	2	1	43.6	0
P12163_1_F3,20551	K.EIAEAYLGTTIK.N	1917.115	0.0035	2	1	62.2	0
P12163_1_F3,20570	K.EIAEAYLGTTIK.N	1917.115	0.00445	3	1	48.6	0
P12163_1_F2,19591	K.ELEGICNPIIAK.M ! K.F	1965.13	0.00303	3	1	28.3	0
P12163_1_F3,20189	K.ELEGICNPIIAK.M ! K.F	1965.13	0.00643	2	1	57.2	0
P12163_1_F3,20297	K.ELEGICNPIIAK.M ! K.F	1965.13	0.00384	3	1	54.2	0
P12163_1_F3,20530	K.ELEGICNPIIAK.M ! K.F	1965.13	0.00767	2	1	70.2	0
P12163_1_F3,20577	K.ELEGICNPIIAK.M ! K.F	1965.13	0.00741	3	1	42	0
P12163_1_F6,19161	K.ELEGICNPIIAK.M ! K.F	1965.13	0.00165	3	1	25.6	0
P12163_1_F6,19175	K.ELEGICNPIIAK.M ! K.F	1965.13	0.00273	2	1	27	0
P12163_1_F6,19628	K.ELEGICNPIIAK.M ! K.F	1965.13	-0.00357	3	1	29.8	0
P12163_2_F4,18689	K.ELEGICNPIIAK.M ! K.F	1965.13	0.00795	3	1	25.5	0
P12163_1_F4,12357	K.MVQEAEK.Y ! R.MVQI	1442.813	0.00599	2	1	28.1	0
P12163_1_F5,10859	K.MVQEAEK.Y ! R.MVQI	1442.813	0.00519	2	1	26.8	0
P12163_1_F5,10908	K.MVQEAEK.Y ! R.MVQI	1442.813	0.00899	3	1	35.2	0
P12163_1_F6,11909	K.MVQEAEK.Y ! R.MVQI	1442.813	0.00945	2	1	30.4	0
P12163_2_F1,11370	K.MVQEAEK.Y ! R.MVQI	1442.813	0.00503	2	1	27.8	0
P12163_2_F1,11390	K.MVQEAEK.Y ! R.MVQI	1442.813	0.00722	3	1	39.8	0
P12163_1_F3,17989	K.NALENYAYNMR.N	1662.821	0.00301	2	1	33.4	0
P12163_1_F9,17110	K.NALENYAYNMR.N	1662.821	-0.00229	2	1	36.7	0
P12163_2_F1,17641	K.NALENYAYNMR.N	1662.821	0.00091	2	1	31.7	0
P12163_2_F9,16815	K.NALENYAYNMR.N	1662.821	0.00245	2	1	38.5	0
P12163_2_F9,16832	K.NALENYAYNMR.N	1662.821	0.00103	3	1	34	0
P12163_1_F8,18778	K.NAVVTVPAYFNDSQR	1985.039	-0.00348	2	1	30.4	0
P12163_1_F8,18854	K.NAVVTVPAYFNDSQR	1985.039	0.00299	3	1	33.4	0
P12163_1_S1,17806	K.NAVVTVPAYFNDSQR	1985.039	0.01346	2	1	36.9	0
P12163_1_S1,17812	K.NAVVTVPAYFNDSQR	1985.039	0.00257	3	1	27.2	0
P12163_2_F6,18372	K.NAVVTVPAYFNDSQR	1985.039	0.00464	2	1	47.4	0
P12163_2_F6,18440	K.NAVVTVPAYFNDSQR	1985.039	-0.00088	3	1	39.9	0
P12163_1_F3,12540	K.NQVAM*NPTNTVFDA	2274.201	0.00524	3	1	58	0
P12163_1_F3,15916	K.NQVAM*NPTNTVFDA	2274.201	0.00051	2	1	33.5	0
P12163_1_F3,15954	K.NQVAM*NPTNTVFDA	2274.201	0.00734	3	1	61.1	0
P12163_1_F3,17841	K.NQVAM*NPTNTVFDA	2274.201	0.00563	3	1	30.2	0
P12163_1_F3,14508	K.NQVAMNPTNTVFDAK	2258.206	0.01079	3	1	49.6	0
P12163_1_F3,14558	K.NQVAMNPTNTVFDAK	2258.206	0.01558	2	1	34.2	0
P12163_1_F3,17827	K.NQVAMNPTNTVFDAK	2258.206	0.00496	2	1	47.3	0
P12163_1_F3,17835	K.NQVAMNPTNTVFDAK	2258.206	0.00581	3	1	56.6	0
P12163_2_F1,17715	K.NQVAMNPTNTVFDAK	2258.206	0.0086	3	1	31.2	0
P12163_2_F1,17732	K.NQVAMNPTNTVFDAK	2258.206	0.0022	2	1	39.1	0
P12163_1_F3,20743	K.QFSAEEISSM*VLNK.M	2207.184	0.00394	3	1	45.6	0
P12163_1_F3,23482	K.QFSAEEISSM*VLNK.M	2207.184	0.00427	3	1	53.2	0
P12163_1_F3,23457	K.QFSAEEISSMVLNK.M	2191.189	0.00049	3	1	47.2	0
P12163_1_F3,23551	K.QFSAEEISSMVLNK.M	2191.189	0.00434	2	1	93.5	0
P12163_1_F4,24318	K.QFSAEEISSMVLNK.M	2191.189	0.00259	3	1	29.9	0
P12163_1_F4,14347	K.SSVHDVVLVGGSTR.I	1716.955	0.00968	3	1	41.2	0

P12163_1_F4,14348	K.SSVHDTVVLVGGSTR.I	1716.955	0.00904	2	1	63.8	0
P12163_1_F6,13771	K.SSVHDTVVLVGGSTR.I	1716.955	0.00268	2	1	40.6	0
P12163_1_F7,13090	K.SSVHDTVVLVGGSTR.I	1716.955	0.00387	3	1	28	0
P12163_2_F6,13064	K.SSVHDTVVLVGGSTR.I	1716.955	0.0003	3	1	30.2	0
P12163_2_F9,12613	K.SSVHDTVVLVGGSTR.I	1716.955	0.03138	2	1	24.2	0
P12163_1_F8,19068	K.VIAGAGDKPM*IVVNY	2603.536	0.01255	3	1	25.8	0
P12163_1_F8,19135	K.VIAGAGDKPMIVVNYI	2587.541	0.00811	3	1	23.3	0
P12163_1_S1,23194	R.FEELNM*DLFR.K	1633.82	0.00103	3	1	40.2	0
P12163_1_S1,23396	R.FEELNM*DLFR.K	1633.82	0.00348	2	1	42.5	0
P12163_1_S1,23417	R.FEELNM*DLFR.K	1633.82	0.00235	3	1	57.6	0
P12163_1_F3,13070	R.FSDPSVQSDM*K.L	1864.957	0.00613	2	1	29	0
P12163_1_F2,22404	R.IINEPTAAAIAAYGLDK.I	2268.306	0.00735	3	1	45.2	0
P12163_1_F4,23908	R.IINEPTAAAIAAYGLDK.I	2268.306	0.00405	3	1	59.2	0
P12163_1_F5,22034	R.IINEPTAAAIAAYGLDK.I	2268.306	0.00048	3	1	35.6	0
P12163_1_F8,22408	R.IINEPTAAAIAAYGLDK.I	2268.306	0.00681	3	1	49.7	0
P12163_1_S1,21321	R.IINEPTAAAIAAYGLDK.I	2268.306	0.00492	3	1	53.3	0
P12163_1_S1,21346	R.IINEPTAAAIAAYGLDK.I	2268.306	-0.00297	2	1	75.2	0
P12163_1_S1,21375	R.IINEPTAAAIAAYGLDK.I	2268.306	0.00752	4	1	61	0
P12163_1_S1,21490	R.IINEPTAAAIAAYGLDK.I	2268.306	0.0003	3	1	54.8	0
P12163_1_S10,2039	R.IINEPTAAAIAAYGLDK.I	2268.306	0.00414	3	1	22.1	0
P12163_1_F9,17016	R.M*VNHFVQEFK.R	1903.036	0.00793	2	1	24.1	0
P12163_1_F9,19653	R.M*VNHFVQEFK.R	1903.036	0.00674	3	1	24.3	0
P12163_1_F9,20038	R.M*VNHFVQEFK.R	1903.036	0.00752	3	1	26.5	0
P12163_2_F7,15183	R.M*VNHFVQEFK.R	1903.036	0.00599	3	1	42	0
P12163_2_F9,19029	R.MVNHFVQEFK.R	1887.041	0.01061	3	1	33	0
P12163_2_F9,19097	R.MVNHFVQEFK.R	1887.041	0.00653	3	1	33	0
P12163_1_F8,14527	R.TTPSYVAFTDTER.L	1791.907	0.00344	3	1	24.1	0
P12163_1_F8,14585	R.TTPSYVAFTDTER.L	1791.907	0.00829	2	1	31.6	0
P12163_1_F8,16589	R.TTPSYVAFTDTER.L	1791.907	0.00553	2	1	47.8	0
P12163_2_F6,16074	R.TTPSYVAFTDTER.L	1791.907	0.00237	2	1	58	0
P12163_1_S1,14498	R.VEIIANDQGNR.I ! R.VI	1532.833	0.00335	2	1	30.8	0
P12163_1_S1,14657	R.VEIIANDQGNR.I ! R.VI	1532.833	0.00328	3	1	71.6	0
P12163_1_S1,14739	R.VEIIANDQGNR.I ! R.VI	1532.833	0.00397	2	1	33.7	0
P12163_1_S1,14901	R.VEIIANDQGNR.I ! R.VI	1532.833	0.00187	3	1	69.2	0
P12163_1_S1,14978	R.VEIIANDQGNR.I ! R.VI	1532.833	0.00507	2	1	32	0
P12163_1_S10,199	R.VEIIANDQGNR.I ! R.VI	1532.833	0.00184	3	1	35.4	0
P12163_1_S10,276	R.VEIIANDQGNR.I ! R.VI	1532.833	0.00555	2	1	29.8	0
P12163_1_F5,10730	K.AAEALTNAEK.I	1625.932	0.00619	2	1	24.4	0
P12163_1_F5,13303	K.AAEALTNAEK.I	1625.932	0.00817	2	1	46.9	0
P12163_1_F5,13312	K.AAEALTNAEK.I	1625.932	0.00372	3	1	28.6	0
P12163_1_F6,14194	K.AAEALTNAEK.I	1625.932	0.00961	2	1	35.8	0
P12163_1_F7,12969	K.AAEALTNAEK.I	1625.932	-0.00279	2	1	27.4	0
P12163_1_F7,13108	K.AAEALTNAEK.I	1625.932	-0.00102	3	1	27.8	0
P12163_2_F1,13613	K.AAEALTNAEK.I	1625.932	0.00439	2	1	53.7	0
P12163_2_F2,2580	K.AAEALTNAEK.I	1625.932	0.00711	3	1	31.7	0
P12163_2_F2,3074	K.AAEALTNAEK.I	1625.932	0.00924	3	1	31.4	0
P12163_2_F2,14122	K.AAEALTNAEK.I	1625.932	0.00606	3	1	24.1	0
P12163_2_F2,14141	K.AAEALTNAEK.I	1625.932	0.00783	2	1	50.4	0
P12163_2_S5,12988	K.AAEALTNAEK.I	1625.932	0.00174	3	1	43.6	0
P12163_1_F4,18165	K.AFATYVQAK.R	1606.941	0.0045	2	1	44.3	0
P12163_1_F5,16815	K.AFATYVQAK.R	1606.941	0.00428	2	1	45.8	0

P12163_1_F5,16841	K.AFATYVQAK.R	1606.941	0.00473	3	1	38.9	0
P12163_1_F9,16955	K.AFATYVQAK.R	1606.941	0.00182	2	1	31.4	0
P12163_2_F1,17215	K.AFATYVQAK.R	1606.941	0.01328	3	1	32.9	0
P12163_2_F1,17225	K.AFATYVQAK.R	1606.941	0.0087	2	1	52.8	0
P12163_2_F2,17645	K.AFATYVQAK.R	1606.941	0.00618	2	1	56.1	0
P12163_2_F9,16147	K.AFATYVQAK.R	1606.941	0.0051	2	1	46.4	0
P12163_2_F9,16190	K.AFATYVQAK.R	1606.941	0.00386	3	1	29	0
P12163_1_F2,13935	K.AFFATAQSVR.D	1401.779	0.00213	3	1	29.4	0
P12163_1_F2,14832	K.AFFATAQSVR.D	1401.779	0.00378	3	1	28.9	0
P12163_1_F3,14612	K.AFFATAQSVR.D	1401.779	0.0027	3	1	25.4	0
P12163_1_F3,15362	K.AFFATAQSVR.D	1401.779	-0.00192	3	1	35.4	0
P12163_2_F1,18227	K.AFFATAQSVR.D	1401.779	0.00237	2	1	25.1	0
P12163_1_F2,20955	K.AVAYDIPIPGYK.T	1915.115	0.00114	2	1	29.3	0
P12163_1_F2,20988	K.AVAYDIPIPGYK.T	1915.115	0.00543	3	1	45.8	0
P12163_1_F3,21516	K.AVAYDIPIPGYK.T	1915.115	-0.00188	2	1	63	0
P12163_1_F3,21522	K.AVAYDIPIPGYK.T	1915.115	0.00129	3	1	38.1	0
P12163_1_F4,22283	K.AVAYDIPIPGYK.T	1915.115	-0.00345	3	1	39.9	0
P12163_1_F4,22285	K.AVAYDIPIPGYK.T	1915.115	0.00168	2	1	56.7	0
P12163_1_F6,20428	K.AVAYDIPIPGYK.T	1915.115	0.00216	3	1	30.3	0
P12163_1_F7,19991	K.AVAYDIPIPGYK.T	1915.115	-0.00504	3	1	37.4	0
P12163_1_F8,21013	K.AVAYDIPIPGYK.T	1915.115	0.00804	3	1	40.7	0
P12163_1_F8,21030	K.AVAYDIPIPGYK.T	1915.115	0.00134	2	1	33.3	0
P12163_2_F4,19540	K.AVAYDIPIPGYK.T	1915.115	0.00597	3	1	39.6	0
P12163_2_F6,20575	K.AVAYDIPIPGYK.T	1915.115	0.00024	2	1	50.3	0
P12163_2_F6,20592	K.AVAYDIPIPGYK.T	1915.115	0.00309	3	1	35.6	0
P12163_2_F7,18616	K.AVAYDIPIPGYK.T	1915.115	0.00226	2	1	38.1	0
P12163_2_F8_12070	K.AVAYDIPIPGYK.T	1915.115	-0.00054	3	1	25.8	0
P12163_1_F4,18625	K.DFPSYLECQEK.V	2024.025	0.00694	2	1	66.3	0
P12163_1_F4,18634	K.DFPSYLECQEK.V	2024.025	0.0046	3	1	31.2	0
P12163_1_F4,19009	K.DFPSYLECQEK.V	2024.025	-0.011	3	1	24.6	0
P12163_1_F9,17207	K.DFPSYLECQEK.V	2024.025	-0.00113	3	1	26.4	0
P12163_2_F1,17904	K.DFPSYLECQEK.V	2024.025	0.0005	2	1	41.4	0
P12163_2_F1,17935	K.DFPSYLECQEK.V	2024.025	0.00655	3	1	35.7	0
P12163_2_F9,16532	K.DFPSYLECQEK.V	2024.025	0.00628	3	1	23	0
P12163_1_F4,15525	K.EAWNITQR.T	1321.717	0.00081	2	1	29.5	0
P12163_1_F4,18450	K.FADNEDLQSQFR.A	1773.871	0.00319	2	1	28.9	0
P12163_1_S1,14852	K.FADNEDLQSQFR.A	1773.871	0.00077	3	1	50.6	0
P12163_1_S1,17085	K.FADNEDLQSQFR.A	1773.871	0.00317	3	1	66.6	0
P12163_1_F8,22490	K.ICYILYPGDESVEGK.V	2351.241	0.00497	3	1	28.7	0
P12163_1_S1,21630	K.ICYILYPGDESVEGK.V	2351.241	0.00445	2	1	30.6	0
P12163_1_S1,21668	K.ICYILYPGDESVEGK.V	2351.241	0.01247	3	1	53.7	0
P12163_2_F6,22160	K.ICYILYPGDESVEGK.V	2351.241	0.00476	3	1	33.5	0
P12163_1_F3,10642	K.IVPGSDGK.S	1380.831	0.00843	2	1	24	0
P12163_1_F4,13043	K.IVPGSDGK.S	1380.831	0.00674	3	1	22.4	0
P12163_2_F1,12070	K.IVPGSDGK.S	1380.831	0.00479	3	1	26	0
P12163_2_F4,10840	K.IVPGSDGK.S	1380.831	0.00279	2	1	26	0
P12163_1_F8,21492	K.QQYTLCSASLQDIIAR.	2171.143	0.00031	2	1	70.8	0
P12163_2_F8_12070	K.SHWIGGEDIK.A	1749.974	0.00536	3	1	24.2	0
P12163_1_F3,11389	K.VDEAYCDQK.R	1735.878	0.00572	2	1	37.3	0
P12163_1_F4,12335	K.VDEAYCDQK.R	1735.878	0.00496	2	1	30	0
P12163_1_F5,11045	K.VDEAYCDQK.R	1735.878	0.0063	2	1	38.5	0

P12163_1_F9,11696	K.VDEAYCDQK.R	1735.878	0.00276	2	1	36.3	0
P12163_2_F1,11379	K.VDEAYCDQK.R	1735.878	0.00316	2	1	33.2	0
P12163_2_F8,12070	K.VDEAYCDQK.R	1735.878	0.00854	2	1	28.9	0
P12163_2_F9,11383	K.VDEAYCDQK.R	1735.878	0.00388	2	1	32.7	0
P12163_1_F6,3681	K.VVSFIK.E	1300.845	0.00642	2	1	24.4	0
P12163_1_F9,11567	R.AHEIAGLR.K	1170.69	0.00302	3	1	31.8	0
P12163_1_F9,11587	R.AHEIAGLR.K	1170.69	0.0029	2	1	30.7	0
P12163_2_F9,11273	R.AHEIAGLR.K	1170.69	0.0029	3	1	36.9	0
P12163_1_F4,12499	R.MSIM*NTAGSSK.F	1750.929	0.00336	2	1	33.2	0
P12163_2_F1,11567	R.MSIM*NTAGSSK.F	1750.929	0.00722	2	1	37.5	0
P12163_1_F4,16261	R.MSIMNTAGSSK.F	1734.934	0.01058	3	1	29.1	0
P12163_1_F4,16315	R.MSIMNTAGSSK.F	1734.934	0.00766	2	1	43.9	0
P12163_1_F5,15008	R.MSIMNTAGSSK.F	1734.934	0.00982	2	1	38	0
P12163_2_F1,15092	R.MSIMNTAGSSK.F	1734.934	0.00803	3	1	33.5	0
P12163_2_F1,15290	R.MSIMNTAGSSK.F	1734.934	0.0123	2	1	54.2	0
P12163_2_F1,15300	R.MSIMNTAGSSK.F	1734.934	0.01055	3	1	32.3	0
P12163_1_F4,13170	R.NDVSYPVK.F	1529.878	0.00616	2	1	36.2	0
P12163_1_F5,11727	R.NDVSYPVK.F	1529.878	0.00447	2	1	27.3	0
P12163_1_F6,12694	R.NDVSYPVK.F	1529.878	-0.00131	2	1	26.4	0
P12163_1_F7,11418	R.NDVSYPVK.F	1529.878	0.00074	2	1	31.4	0
P12163_1_F8,11962	R.NDVSYPVK.F	1529.878	0.00094	2	1	27.4	0
P12163_2_F1,12215	R.NDVSYPVK.F	1529.878	0.00572	2	1	29.9	0
P12163_1_S1,22783	R.QEVGEENFFLFGAR.A	1946.991	0.00109	3	1	43.5	0
P12163_1_S1,22990	R.QEVGEENFFLFGAR.A	1946.991	0.00319	3	1	57	0
P12163_1_S1,23222	R.QEVGEENFFLFGAR.A	1946.991	0.00994	3	1	39.1	0
P12163_1_F4,18851	R.SGANVNWEEFPEK.V	2115.097	0.00358	2	1	55.3	0
P12163_2_F1,18123	R.SGANVNWEEFPEK.V	2115.097	0.00484	2	1	65.2	0
P12163_1_F7,16876	R.TVAYTNHTVLPEALEK	2394.349	0.00513	3	1	47	0
P12163_2_F10,1565	R.TVAYTNHTVLPEALEK	2394.349	0.00483	3	1	26.9	0
P12163_2_F10,1567	R.TVAYTNHTVLPEALEK	2394.349	0.00723	4	1	27.5	0
P12163_2_F10,1584	R.TVAYTNHTVLPEALEK	2394.349	0.00738	3	1	32.7	0
P12163_2_S5,16154	R.TVAYTNHTVLPEALEK	2394.349	0.00431	4	1	26.4	0
P12163_2_S5,16169	R.TVAYTNHTVLPEALEK	2394.349	0.00285	3	1	32.5	0
P12163_1_F4,22879	K.AFELLEK.L	1457.882	0.00491	2	1	30.5	0
P12163_1_F5,21349	K.AFELLEK.L	1457.882	0.00681	2	1	26.2	0
P12163_1_F6,21358	K.AFELLEK.L	1457.882	0.00547	2	1	28	0
P12163_2_F1,22277	K.AFELLEK.L	1457.882	0.00428	3	1	33.9	0
P12163_2_F2,21823	K.AFELLEK.L	1457.882	0.00647	3	1	26.2	0
P12163_1_F3,4722	K.AVQDTGR.R	1050.585	0.00315	3	1	22.4	0
P12163_1_F3,9906	K.DTPELR.S ! K.DTPELR	1034.578	0.00333	2	1	23.9	0
P12163_2_F6,16297	K.EAVLNGVSLEDDKR.E	2153.202	0.00695	3	1	29.8	0
P12163_2_F6,16300	K.EAVLNGVSLEDDKR.E	2153.202	0.00153	2	1	44.2	0
P12163_1_F5,17681	K.FSENVLDATK.K	1731.974	0.00075	2	1	28.9	0
P12163_2_F1,18233	K.FSENVLDATK.K	1731.974	0.00612	3	1	41.3	0
P12163_1_F6,15752	K.HYQTGESLPEDVYLK.	2387.27	0.00057	3	1	36.7	0
P12163_1_F6,17098	K.HYQTGESLPEDVYLK.	2387.27	0.0057	3	1	55	0
P12163_1_F6,17112	K.HYQTGESLPEDVYLK.	2387.27	0.00541	4	1	37.1	0
P12163_1_F7,16213	K.HYQTGESLPEDVYLK.	2387.27	0.00409	4	1	28.8	0
P12163_2_F4,15880	K.HYQTGESLPEDVYLK.	2387.27	0.00333	4	1	41	0
P12163_2_F9,15814	K.HYQTGESLPEDVYLK.	2387.27	0.00477	4	1	30.3	0
P12163_2_F9,15822	K.HYQTGESLPEDVYLK.	2387.27	0.00924	3	1	24.4	0

P12163_2_S3,14858	K.HYQTGESLPEDVYLK.	2387.27	0.00162	3	1	26.2	0
P12163_1_F5,15450	K.IEQELEK.L	1496.878	0.00447	2	1	27.9	0
P12163_1_F5,15495	K.IEQELEK.L	1496.878	0.00649	3	1	25.2	0
P12163_1_F6,16165	K.IEQELEK.L	1496.878	0.00349	2	1	27.9	0
P12163_2_F1,15731	K.IEQELEK.L	1496.878	0.01033	2	1	27.1	0
P12163_2_F1,15772	K.IEQELEK.L	1496.878	0.00661	3	1	25.1	0
P12163_2_F4,15430	K.LVEPLEK.I	1435.898	0.00121	2	1	28.7	0
P12163_2_F1,8455	K.M*ATVVDK.A	1288.739	0.00557	3	1	24.7	0
P12163_2_F1,11540	K.MATVVDK.A	1272.744	0.00401	3	1	29.4	0
P12163_1_F4,17372	K.NYAEVSM*AM*K.M	1783.918	0.01503	3	1	36.1	0
P12163_1_F4,14628	K.NYAEVSMAM*K.M	1767.923	0.00798	3	1	41.9	0
P12163_1_F4,14631	K.NYAEVSMAM*K.M	1767.923	0.00783	2	1	41.3	0
P12163_1_F4,17338	K.NYAEVSMAMK.M	1751.928	0.00549	3	1	52.1	0
P12163_1_F5,16078	K.NYAEVSMAMK.M	1751.928	0.00747	2	1	41.8	0
P12163_1_F9,16297	K.NYAEVSMAMK.M	1751.928	0.01065	3	1	29.2	0
P12163_2_F1,16444	K.NYAEVSMAMK.M	1751.928	0.00897	3	1	49.9	0
P12163_2_F1,16471	K.NYAEVSMAMK.M	1751.928	0.00469	2	1	53.6	0
P12163_2_F8_12070	K.NYAEVSMAMK.M	1751.928	0.00792	3	1	40.1	0
P12163_1_S1,20033	K.QLESDDLDELER.T	1650.849	0.00762	3	1	26.5	0
P12163_1_S1,20173	K.QLESDDLDELER.T	1650.849	0.00213	2	1	39.4	0
P12163_1_S1,20427	K.QLESDDLDELER.T	1650.849	0.00399	2	1	42.1	0
P12163_1_F2,22460	K.VM*DGLFNLA.K.T	1731.992	0.0045	3	1	33	0
P12163_1_F4,21612	K.VM*DGLFNLA.K.T	1731.992	0.00282	3	1	26.9	0
P12163_1_F4,21637	K.VM*DGLFNLA.K.T	1731.992	0.00728	2	1	45.4	0
P12163_1_F4,25903	K.VM*DGLFNLA.K.T	1731.992	0.00576	2	1	40.2	0
P12163_1_F4,26204	K.VM*DGLFNLA.K.T	1731.992	0.00801	3	1	26.4	0
P12163_1_F5,24048	K.VM*DGLFNLA.K.T	1731.992	0.00234	3	1	25	0
P12163_1_F6,23506	K.VM*DGLFNLA.K.T	1731.992	0.0006	3	1	31.9	0
P12163_1_F7,22700	K.VM*DGLFNLA.K.T	1731.992	0.0027	3	1	35.9	0
P12163_2_F1,25150	K.VM*DGLFNLA.K.T	1731.992	0.00663	3	1	35.2	0
P12163_1_F3,25103	K.VMDGLFNLA.K.T	1715.997	0.00181	3	1	23.1	0
P12163_1_F3,25122	K.VMDGLFNLA.K.T	1715.997	0.00632	2	1	61.2	0
P12163_1_F4,25955	K.VMDGLFNLA.K.T	1715.997	0.00436	2	1	38.6	0
P12163_1_F4,25964	K.VMDGLFNLA.K.T	1715.997	0.00445	3	1	32.1	0
P12163_2_F1,25136	K.VMDGLFNLA.K.T	1715.997	0.00511	3	1	26.7	0
P12163_1_F7,21089	K.YEINEEELRPYFSLPK.V	2635.423	0.00509	4	1	23.2	0
P12163_1_F4,14995	R.DTLM*SIAK.H	1502.871	0.00339	3	1	30	0
P12163_1_F4,18508	R.DTLMSIAK.H	1486.876	0.00379	3	1	35.2	0
P12163_2_F1,17763	R.DTLMSIAK.H	1486.876	0.00766	2	1	37.6	0
P12163_1_F8,13113	R.GREPSPEPLLR.H	1554.89	0.00119	3	1	49	0
P12163_2_F7,12010	R.GREPSPEPLLR.H	1554.89	0.00263	3	1	39.1	0
P12163_1_S10,1374	R.HNGLLSTAASA.-	1345.738	0.0041	2	1	31.8	0
P12163_2_S3,12128	R.HNGLLSTAASA.-	1345.738	0.0043	2	1	47.1	0
P12163_1_F4,15274	R.IVESQIK.E	1424.893	0.00534	2	1	23.9	0
P12163_1_F4,15276	R.IVESQIK.E	1424.893	0.00544	3	1	29.6	0
P12163_1_F5,13930	R.IVESQIK.E	1424.893	0.00562	3	1	22.1	0
P12163_2_F1,14160	R.IVESQIK.E	1424.893	0.0058	3	1	28.4	0
P12163_2_F9,18329	R.LPVAHMVCNQTTPVGV	3303.762	-0.00022	4	1	22.7	0
P12163_1_F3,11175	R.SAIEEVQPEK.V	1737.984	0.00545	3	1	29.4	0
P12163_1_F3,13522	R.SAIEEVQPEK.V	1737.984	0.00215	2	1	44.4	0
P12163_1_F3,13542	R.SAIEEVQPEK.V	1737.984	0.00455	3	1	27.7	0

P12163_1_F4,11585	R.SAIEEVQPEK.V	1737.984	0.00383	2	1	24.5	0
P12163_1_F4,14052	R.SAIEEVQPEK.V	1737.984	-0.00214	3	1	28.1	0
P12163_1_F4,14054	R.SAIEEVQPEK.V	1737.984	0.00509	2	1	42.1	0
P12163_1_F5,12753	R.SAIEEVQPEK.V	1737.984	0.00731	2	1	48.6	0
P12163_1_F7,12406	R.SAIEEVQPEK.V	1737.984	0.0023	3	1	27.5	0
P12163_2_F1,13142	R.SAIEEVQPEK.V	1737.984	0.00639	2	1	46	0
P12163_2_F1,13205	R.SAIEEVQPEK.V	1737.984	0.00515	3	1	35.6	0
P12163_2_F4,12041	R.SAIEEVQPEK.V	1737.984	-0.00325	2	1	29	0
P12163_2_F1,7718	K.ATEAATK.S	1299.773	0.00233	3	1	22.3	0
P12163_1_F3,15465	K.DVNGSLLVSSSSSK.E	1988.112	0.00578	2	1	40.1	0
P12163_1_F4,20218	K.EFPILSK.L	1441.887	0.00724	3	1	32.5	0
P12163_1_F4,20369	K.EFPILSK.L	1441.887	0.00627	2	1	27.4	0
P12163_1_F4,20481	K.EFPILSK.L	1441.887	0.01153	3	1	24.8	0
P12163_2_F1,19554	K.EFPILSK.L	1441.887	0.00635	2	1	25.4	0
P12163_2_F1,19798	K.EFPILSK.L	1441.887	0.00593	2	1	27.5	0
P12163_2_F1,19898	K.EFPILSK.L	1441.887	0.00361	3	1	30.3	0
P12163_1_F3,14459	K.EGLVDVR.A	1091.636	0.00341	2	1	30.4	0
P12163_1_F8,21411	K.ELIEEELHGLSVEK.A	2233.254	0.00539	3	1	34.7	0
P12163_1_F4,20162	K.FSANLEEIEK.I	1788	0.00482	3	1	33.9	0
P12163_1_F4,20212	K.FSANLEEIEK.I	1788	0.00451	2	1	50.3	0
P12163_1_F5,18897	K.FSANLEEIEK.I	1788	0.00333	2	1	27.8	0
P12163_1_F4,25730	K.LFLATVIK.Q	1512.997	0.00672	2	1	38.2	0
P12163_2_F1,25001	K.LFLATVIK.Q	1512.997	0.0078	2	1	37.8	0
P12163_2_F4,10035	K.LLHPHMR.Y	1207.703	0.00242	3	1	37.1	0
P12163_1_F4,22825	K.LYNSGFLLK.D	1663.004	0.00039	2	1	31.8	0
P12163_1_F4,22851	K.LYNSGFLLK.D	1663.004	0.00389	3	1	40.1	0
P12163_1_F5,21481	K.LYNSGFLLK.D	1663.004	-0.00004	3	1	35.2	0
P12163_2_F1,22293	K.LYNSGFLLK.D	1663.004	0.00513	2	1	35.2	0
P12163_2_F1,22309	K.LYNSGFLLK.D	1663.004	0.0041	3	1	23.3	0
P12163_2_F9,19608	K.LYNSGFLLK.D	1663.004	0.00032	3	1	23.4	0
P12163_1_F3,15993	K.NQAYLPSQTPAGIK.D	2096.196	0.01012	2	1	28.8	0
P12163_1_F4,16428	K.NQAYLPSQTPAGIK.D	2096.196	0.00563	3	1	38.6	0
P12163_1_F4,16435	K.NQAYLPSQTPAGIK.D	2096.196	0.00824	2	1	35.5	0
P12163_2_F1,15658	K.NQAYLPSQTPAGIK.D	2096.196	0.00204	2	1	42.6	0
P12163_1_F2,8796	K.TDPLCESR.I	1281.641	0.00105	3	1	28.6	0
P12163_1_S1,9142	K.TDPLCESR.I	1281.641	0.00222	3	1	46.5	0
P12163_1_F2,11621	K.YETPAVIR.R	1252.72	0.0033	3	1	23	0
P12163_1_F4,16621	R.DETFEEIK.Q	1618.878	0.00692	3	1	31.9	0
P12163_2_F1,15760	R.DETFEEIK.Q	1618.878	0.00629	3	1	27.8	0
P12163_2_F1,15781	R.DETFEEIK.Q	1618.878	0.00914	2	1	34.7	0
P12163_1_F7,12995	R.IEKPHPVYVPR.D	1943.169	0.00807	4	1	29	0
P12163_1_F3,23653	R.QTLAGVNPVNIEFLK.F	2251.327	0.00683	3	1	64.3	0
P12163_1_F3,23688	R.QTLAGVNPVNIEFLK.F	2251.327	0.00723	2	1	64.3	0
P12163_1_F9,14976	R.REDLLSIR.G	1305.779	0.00438	3	1	43.1	0
P12163_1_F5,18340	R.TVFFYNK.A	1526.883	0.00838	2	1	26.6	0
P12163_2_F2,18945	R.TVFFYNK.A	1526.883	0.00354	3	1	23.7	0
P12163_1_F4,19043	R.YAMELSSAAYK.S	1841.993	0.00921	2	1	49.6	0
P12163_1_F4,19060	R.YAMELSSAAYK.S	1841.993	0.00698	3	1	36.7	0
P12163_1_F9,17597	R.YAMELSSAAYK.S	1841.993	0.00928	3	1	34.2	0
P12163_2_F1,18290	R.YAMELSSAAYK.S	1841.993	0.00293	2	1	42.8	0
P12163_2_F1,18299	R.YAMELSSAAYK.S	1841.993	0.0055	3	1	34.2	0

P12163_2_F9,16873	R.YAMELSSAAYK.S	1841.993	0.00493	3	1	32	0
P12163_2_F9,16913	R.YAMELSSAAYK.S	1841.993	0.00397	2	1	27	0
P12163_1_F2,16733	R.YTLEINALAR.Q	1467.847	0.00315	3	1	22.1	0
P12163_1_F6,15142	K.APHDLYESYYNTNK.A	2323.181	0.0077	3	1	36.5	0
P12163_2_F4,13931	K.APHDLYESYYNTNK.A	2323.181	0.00284	3	1	33.2	0
P12163_2_F6,14435	K.APHDLYESYYNTNK.A	2323.181	0.00572	3	1	25.8	0
P12163_1_F4,20721	K.AVLFVPPK.A	1478.955	0.00685	3	1	30.6	0
P12163_1_F4,20739	K.AVLFVPPK.A	1478.955	0.00725	2	1	30.8	0
P12163_2_F1,20149	K.AVLFVPPK.A	1478.955	0.00241	3	1	27.2	0
P12163_1_F3,20436	K.DIFYITGANK.E	1750	0.00157	2	1	37.5	0
P12163_1_F4,20971	K.DIFYITGANK.E	1750	0.00296	2	1	30.6	0
P12163_1_F9,19361	K.DIFYITGANK.E	1750	0.00458	2	1	51.7	0
P12163_2_F9,18165	K.DIFYITGANK.E	1750	0.00608	3	1	30.8	0
P12163_1_F4,12707	K.EVTEEEYAK.F	1705.91	0.01063	2	1	45.2	0
P12163_1_F4,12718	K.EVTEEEYAK.F	1705.91	0.00809	3	1	30.4	0
P12163_2_F1,11767	K.EVTEEEYAK.F	1705.91	0.00711	2	1	43.6	0
P12163_2_F4,14812	K.FYHSLVK.D	1501.899	0.00592	2	1	27.5	0
P12163_2_S5,15087	K.FYHSLVK.D	1501.899	0.0021	3	1	24.6	0
P12163_1_F4,14794	K.GALASENVDDVK.V	1826.012	0.00552	3	1	54.1	0
P12163_1_F2,11665	K.IAEEDPDESTGK.D	1898.98	0.00488	2	1	26.9	0
P12163_1_F4,19134	K.LEIQIK.L	1351.877	0.00176	3	1	22.6	0
P12163_1_S1,19667	K.LGIIEDAANR.N	1375.785	0.00416	2	1	33.3	0
P12163_1_S1,17577	K.LTSLDQYISR.M	1499.837	0.00098	3	1	41.9	0
P12163_1_S1,20668	K.LTSLDQYISR.M	1499.837	0.00422	2	1	26.1	0
P12163_2_F1,12570	K.SGTSAFVEK.M	1533.873	0.00343	2	1	39.5	0
P12163_2_F2,12923	K.SGTSAFVEK.M	1533.873	0.00417	2	1	30.8	0
P12163_1_F3,14896	R.DEAGEYLEESK.L	1877.959	0.00472	2	1	54.9	0
P12163_1_F3,18382	R.ELISNASDALDK.L ! R.	1884.053	0.00752	3	1	60.2	0
P12163_1_F3,18387	R.ELISNASDALDK.L ! R.	1884.053	0.01143	2	1	55.5	0
P12163_1_F6,13001	R.EMLQQHSSLK.T	1809.015	0.00392	2	1	34.6	0
P12163_1_F5,20456	R.FLSLTDK.E	1431.867	0.00997	2	1	25.5	0
P12163_1_F3,12347	R.IMQSQTLSDASK.Q	1917.057	0.00819	3	1	23.5	0
P12163_1_F3,15431	R.IMQSQTLSDASK.Q	1917.057	0.00591	3	1	37.4	0
P12163_1_F2,13861	R.LDNTPCVVVTSK.Y	1941.094	0.00558	3	1	22.5	0
P12163_1_F2,16083	R.LDNTPCVVVTSK.Y	1941.094	0.00385	2	1	36.1	0
P12163_1_F2,16101	R.LDNTPCVVVTSK.Y	1941.094	0.00669	3	1	23.5	0
P12163_2_F2,13711	R.NIGTLAK.S ! K.NLGTL	1324.841	0.00592	3	1	25.6	0
P12163_1_S1,24420	R.VFISDEFDELLPK.Y	2160.205	0.00714	3	1	48.8	0
P12163_1_S1,18242	K.DLQDDFM*GGAEIHK.S	2176.142	-0.00432	3	1	36.9	0
P12163_1_S1,18303	K.DLQDDFM*GGAEIHK.S	2176.142	0.00651	3	1	41	0
P12163_1_S1,20559	K.DLQDDFMGGAEIHK.S	2160.147	0.00234	3	1	60.6	0
P12163_1_F4,21237	K.DSVVAGFQWASK.E	1903.053	0.00965	3	1	36.4	0
P12163_1_F2,12482	K.EGALAEENMR.G	1423.715	0.00406	2	1	37	0
P12163_1_F3,12731	K.EGALAEENMR.G	1423.715	0.00604	2	1	27.5	0
P12163_1_F3,24569	K.EQMTPLSEFEDKL.-	2175.146	0.00451	3	1	38.8	0
P12163_1_F3,24570	K.EQMTPLSEFEDKL.-	2175.146	0.00124	2	1	31.1	0
P12163_2_F7,8632	K.EVDAHPIR.A	1240.695	0.00285	3	1	36.4	0
P12163_1_F3,15723	K.FSVSPVVR.V	1194.715	0.0064	3	1	43.1	0
P12163_2_F1,16832	K.FSVSPVVR.V	1194.715	0.00287	2	1	26.4	0
P12163_1_F4,18836	K.GVQYLNEIK.D	1671.989	0.00775	3	1	24.8	0
P12163_1_F5,17539	K.GVQYLNEIK.D	1671.989	0.00303	2	1	37.9	0

P12163_2_F8,12070	K.GVQYLNEIK.D	1671.989	0.00625	3	1	27.2	0
P12163_1_F4,24230	K.ILSEFGWDK.D	1832.005	0.00656	2	1	25.4	0
P12163_2_F2,10081	K.NATLTNEK.E	1498.868	0.00808	2	1	29.3	0
P12163_2_F2,10126	K.NATLTNEK.E	1498.868	0.00823	3	1	22.1	0
P12163_2_F2,6979	K.NTGSATCK.R	1446.783	0.00492	2	1	26.2	0
P12163_2_F2,6980	K.NTGSATCK.R	1446.783	0.00365	3	1	27.1	0
P12163_1_F2,12684	K.SDPVVSFR.E	1210.673	0.00177	3	1	35.2	0
P12163_1_F4,14704	K.VASDLPK.L	1337.825	0.0029	2	1	24.1	0
P12163_1_F7,18874	K.YRVENLYEGPLDDQY	2703.368	-0.00109	3	1	56.7	0
P12163_1_F2,10726	R.GGGQVIPTAR.R	1259.737	-0.00231	2	1	24.3	0
P12163_2_F10,16380	R.GHVFEEMQRPGTPLYT	2724.475	0.00603	4	1	23.3	0
P12163_1_F4,15336	R.IM*GPNYVPGEK.K	1829.009	0.00927	2	1	24.4	0
P12163_1_F4,17686	R.IMGPNYVPGEK.K	1813.014	0.00763	3	1	23.6	0
P12163_2_F1,16859	R.IMGPNYVPGEK.K	1813.014	0.00077	2	1	26.8	0
P12163_2_F1,16883	R.IMGPNYVPGEK.K	1813.014	0.00604	3	1	36.7	0
P12163_1_F3,24629	R.LWGENFFDPATK.K	2033.095	0.01263	3	1	22.7	0
P12163_1_F3,24630	R.LWGENFFDPATK.K	2033.095	0.00249	2	1	29.3	0
P12163_1_F2,20101	R.NCDPNGPLM*LYVSK.	2232.161	0.00308	3	1	26.1	0
P12163_1_F3,20611	R.NCDPNGPLMLYVSK.M	2216.166	0.00588	3	1	24	0
P12163_1_F6,13457	R.NMSVIAHVDHGK.S	1916.063	0.00983	4	1	33.6	0
P12163_1_F7,12772	R.NMSVIAHVDHGK.S	1916.063	0.00539	4	1	28.4	0
P12163_1_S1,15358	K.AEFTASVPLTR.I	1495.842	0.00513	3	1	37.4	0
P12163_1_F2,12182	K.ALGIPENSVR.T	1359.79	0.00326	3	1	23.5	0
P12163_1_S1,13572	K.DASPQEVLVIR.K	1530.879	0.00233	3	1	35	0
P12163_1_S1,16443	K.DASPQEVLVIR.K	1530.879	0.00417	2	1	34.1	0
P12163_2_S5,12830	K.DIYVVQTRPQH.-	1756.965	-0.00272	3	1	23.8	0
P12163_1_F2,18648	K.FGCPQDVEGCLVGK.D	2174.119	0.00241	3	1	40.9	0
P12163_1_F3,19195	K.FGCPQDVEGCLVGK.D	2174.119	0.00876	2	1	45.9	0
P12163_1_F3,19210	K.FGCPQDVEGCLVGK.D	2174.119	0.00838	3	1	46.1	0
P12163_2_F9,16861	K.GGAHWLAENVELK.N	2032.144	0.00608	3	1	48.8	0
P12163_2_F1,11412	K.GGESIEYK.F	1490.831	0.00555	2	1	32.3	0
P12163_2_F7,15360	K.IHPCLPSFK.A	1706.987	0.00421	3	1	23.6	0
P12163_1_F2,17380	K.VVFTCEDDEK.V	1949.015	0.0051	3	1	36.3	0
P12163_1_F3,17871	K.VVFTCEDDEK.V	1949.015	0.0054	2	1	40	0
P12163_2_F1,20943	R.AGIIFQVSK.L	1570.978	0.00116	2	1	30.9	0
P12163_1_S1,18595	R.ELIVENLQSDER.L	1748.933	0.00609	2	1	25.1	0
P12163_1_F4,22897	R.FLNALETK.G	1543.93	0.00719	2	1	39.2	0
P12163_1_F5,21543	R.FLNALETK.G	1543.93	-0.00235	2	1	25.5	0
P12163_1_F5,21571	R.FLNALETK.G	1543.93	0.00345	3	1	34.9	0
P12163_2_F1,22380	R.FLNALETK.G	1543.93	0.00581	2	1	34.3	0
P12163_2_F1,22402	R.FLNALETK.G	1543.93	0.00429	3	1	31	0
P12163_2_S3,11314	R.GVHVSSFSASK.A	1713.974	0.00438	3	1	34	0
P12163_1_F8,19453	R.IFPANAHLIVR.S	1554.942	0.00313	3	1	58.4	0
P12163_1_F4,19429	R.LASLSAVSEK.V	1612.973	0.00632	2	1	41	0
P12163_1_F6,20271	R.LEASSTCVNLNPYITHC	3329.704	0.00973	4	1	50.4	0
P12163_1_F6,20281	R.LEASSTCVNLNPYITHC	3329.704	0.00114	3	1	34.3	0
P12163_1_F2,21455	R.NAGPEDLVATEAM*L	2254.221	0.00855	3	1	35.8	0
P12163_1_S1,20528	R.NAGPEDLVATEAMLA	2238.226	0.00342	3	1	32	0
P12163_1_S1,7020	R.NDASDAAIAR.R	1307.686	0.00702	3	1	23.7	0
P12163_1_F5,7388	R.QAAGVSQK.D	1396.837	0.00896	2	1	26.7	0
P12163_2_F2,8262	R.QAAGVSQK.D	1396.837	0.00682	2	1	29.4	0

P12163_1_F9,12708	K.DGVPHLTK.V	1474.884	0.0027	3	1	23.2	0
P12163_2_F6,12162	K.DGVPHLTK.V	1474.884	0.00096	3	1	27.5	0
P12163_1_F3,19242	K.FASAISESGEIK.V	1847.037	0.01108	2	1	24	0
P12163_1_F4,15392	K.FASAISESGEIK.V	1847.037	0.00466	2	1	25.5	0
P12163_1_F4,17257	K.FASAISESGEIK.V	1847.037	0.00514	2	1	32.6	0
P12163_1_F4,19574	K.FASAISESGEIK.V	1847.037	0.00926	2	1	42.6	0
P12163_1_F4,19601	K.FASAISESGEIK.V	1847.037	0.00797	3	1	60	0
P12163_1_F4,19762	K.FASAISESGEIK.V	1847.037	0.01162	2	1	63.2	0
P12163_1_F4,19805	K.FASAISESGEIK.V	1847.037	0.00497	3	1	59	0
P12163_1_F4,19986	K.FASAISESGEIK.V	1847.037	0.00782	2	1	43.8	0
P12163_1_F5,18467	K.FASAISESGEIK.V	1847.037	0.00498	2	1	55.6	0
P12163_1_F5,18507	K.FASAISESGEIK.V	1847.037	0.00569	3	1	47.2	0
P12163_1_F6,18313	K.FASAISESGEIK.V	1847.037	0.00221	3	1	32.8	0
P12163_1_F6,18698	K.FASAISESGEIK.V	1847.037	0.00356	2	1	35.7	0
P12163_1_F7,17376	K.FASAISESGEIK.V	1847.037	0.0074	3	1	30.8	0
P12163_1_F9,18251	K.FASAISESGEIK.V	1847.037	0.00863	3	1	49.5	0
P12163_1_F9,18289	K.FASAISESGEIK.V	1847.037	0.01036	2	1	33.9	0
P12163_1_S10,1791	K.FASAISESGEIK.V	1847.037	0.00479	3	1	40.8	0
P12163_2_F1,18932	K.FASAISESGEIK.V	1847.037	-0.00204	2	1	38.3	0
P12163_2_F1,19143	K.FASAISESGEIK.V	1847.037	0.00636	2	1	60	0
P12163_2_F4,16997	K.FASAISESGEIK.V	1847.037	-0.00412	3	1	32.1	0
P12163_2_F4,17059	K.FASAISESGEIK.V	1847.037	0.00096	2	1	49.9	0
P12163_2_F9,17221	K.FASAISESGEIK.V	1847.037	0.00221	3	1	61	0
P12163_1_F5,12558	K.GLGM*HVIAHDPYAP/	2140.091	0.00447	3	1	35.6	0
P12163_1_S10,1350	K.GLGM*HVIAHDPYAP/	2140.091	0.00378	3	1	32.4	0
P12163_1_S10,1351	K.GLGM*HVIAHDPYAP/	2140.091	0.00231	4	1	39.7	0
P12163_2_F10,1273	K.GLGM*HVIAHDPYAP/	2140.091	0.00345	3	1	48.8	0
P12163_2_F10,1420	K.GLGM*HVIAHDPYAP/	2140.091	-0.00013	4	1	39.2	0
P12163_2_F4,12408	K.GLGM*HVIAHDPYAP/	2140.091	0.00372	3	1	38	0
P12163_2_S5,12704	K.GLGM*HVIAHDPYAP/	2140.091	0.00343	4	1	40.8	0
P12163_2_S5,14555	K.GLGM*HVIAHDPYAP/	2140.091	0.00405	3	1	37.8	0
P12163_1_F5,14921	K.GLGMHVIAHDPYAPA	2124.096	0.00719	4	1	27.9	0
P12163_1_F8,15420	K.GLGMHVIAHDPYAPA	2124.096	0.00387	3	1	29.8	0
P12163_1_F8,15445	K.GLGMHVIAHDPYAPA	2124.096	-0.00091	2	1	42	0
P12163_1_F8,15452	K.GLGMHVIAHDPYAPA	2124.096	0.00199	4	1	38.3	0
P12163_1_S10,1520	K.GLGMHVIAHDPYAPA	2124.096	0.00057	3	1	33	0
P12163_1_S10,1522	K.GLGMHVIAHDPYAPA	2124.096	0.00011	4	1	32.9	0
P12163_1_S10,1540	K.GLGMHVIAHDPYAPA	2124.096	0.00237	3	1	34.4	0
P12163_2_F10,1414	K.GLGMHVIAHDPYAPA	2124.096	0.00443	4	1	39.7	0
P12163_2_F10,1417	K.GLGMHVIAHDPYAPA	2124.096	0.00369	3	1	43	0
P12163_2_F10,1423	K.GLGMHVIAHDPYAPA	2124.096	-0.00167	2	1	50.5	0
P12163_2_F4,14427	K.GLGMHVIAHDPYAPA	2124.096	-0.00189	4	1	27.9	0
P12163_2_F4,14466	K.GLGMHVIAHDPYAPA	2124.096	0.00288	3	1	39.6	0
P12163_2_S5,14485	K.GLGMHVIAHDPYAPA	2124.096	0.00235	4	1	26.7	0
P12163_2_S5,14486	K.GLGMHVIAHDPYAPA	2124.096	0.00291	3	1	40.5	0
P12163_2_S5,14534	K.GLGMHVIAHDPYAPA	2124.096	-0.00029	2	1	70.1	0
P12163_1_F8,11617	K.HAVM*AIGVDEQPR.K	1742.916	-0.00155	2	1	24.9	0
P12163_1_F8,11627	K.HAVM*AIGVDEQPR.K	1742.916	0.00205	3	1	45.4	0
P12163_1_F8,14177	K.HAVM*AIGVDEQPR.K	1742.916	0.00238	3	1	52.4	0
P12163_1_F8,14197	K.HAVM*AIGVDEQPR.K	1742.916	0.00461	2	1	38.9	0
P12163_1_F8,17635	K.HAVM*AIGVDEQPR.K	1742.916	0.00343	3	1	25.9	0

P12163_1_F8,19289	K.HAVM*AIGVDEQPR.K	1742.916	0.0022	3	1	24.3	0
P12163_1_F8,20225	K.HAVM*AIGVDEQPR.K	1742.916	-0.00515	3	1	31.9	0
P12163_1_F8,20249	K.HAVM*AIGVDEQPR.K	1742.916	-0.00425	3	1	23.9	0
P12163_2_F6,11453	K.HAVM*AIGVDEQPR.K	1742.916	0.00697	3	1	63.5	0
P12163_2_F6,13683	K.HAVM*AIGVDEQPR.K	1742.916	0.00457	3	1	66.1	0
P12163_2_F6,13687	K.HAVM*AIGVDEQPR.K	1742.916	0.00441	2	1	50.3	0
P12163_2_F6,26404	K.HAVM*AIGVDEQPR.K	1742.916	0.00844	3	1	29.8	0
P12163_1_F8,14175	K.HAVMAIGVDEQPR.K	1726.921	0.00183	2	1	63.6	0
P12163_2_F6,13597	K.HAVMAIGVDEQPR.K	1726.921	0.00475	3	1	51.4	0
P12163_2_F6,13614	K.HAVMAIGVDEQPR.K	1726.921	0.00307	2	1	52.4	0
P12163_1_F6,7310	K.LVQHER.V	1085.637	0.00108	3	1	22.1	0
P12163_1_F9,7333	K.LVQHER.V	1085.637	0.00375	3	1	33.7	0
P12163_1_S10,8321	K.LVQHER.V	1085.637	0.00345	3	1	34.3	0
P12163_2_F9,7726	K.LVQHER.V	1085.637	0.00243	3	1	33.2	0
P12163_1_F5,21639	K.TLAVLGFGK.V	1513.956	0.00209	3	1	25.5	0
P12163_1_F5,21643	K.TLAVLGFGK.V	1513.956	0.00794	2	1	38.5	0
P12163_1_F6,21563	K.TLAVLGFGK.V	1513.956	0.00398	3	1	30.4	0
P12163_1_F7,20262	K.TLAVLGFGK.V	1513.956	0.00068	3	1	33.4	0
P12163_2_F1,22449	K.TLAVLGFGK.V	1513.956	0.0065	2	1	42.9	0
P12163_2_F1,22511	K.TLAVLGFGK.V	1513.956	0.0065	3	1	49.6	0
P12163_2_S5,19325	K.TLAVLGFGK.V	1513.956	0.00092	3	1	41.6	0
P12163_2_S5,19794	K.TLAVLGFGK.V	1513.956	0.00584	3	1	37.7	0
P12163_2_F1,8530	K.VGSEVAR.R	1021.594	0.0025	2	1	24.5	0
P12163_1_F4,15390	K.VLNDETFGK.M	1630.926	0.0077	2	1	30.7	0
P12163_1_F4,17636	K.VLNDETFGK.M	1630.926	0.0025	2	1	32.6	0
P12163_1_F4,17935	K.VLNDETFGK.M	1630.926	0.00822	2	1	37.1	0
P12163_1_F4,17940	K.VLNDETFGK.M	1630.926	0.00851	3	1	40.3	0
P12163_1_F7,15567	K.VLNDETFGK.M	1630.926	0.00078	2	1	44.3	0
P12163_1_F7,15580	K.VLNDETFGK.M	1630.926	-0.00014	3	1	35.6	0
P12163_2_F1,16819	K.VLNDETFGK.M	1630.926	0.00578	2	1	49.4	0
P12163_2_F1,16820	K.VLNDETFGK.M	1630.926	0.00556	3	1	44.2	0
P12163_2_F2,111	K.VLNDETFGK.M	1630.926	0.00856	3	1	38.8	0
P12163_2_F2,340	K.VLNDETFGK.M	1630.926	0.00268	3	1	29.1	0
P12163_2_F2,613	K.VLNDETFGK.M	1630.926	0.00588	2	1	30.1	0
P12163_2_F2,748	K.VLNDETFGK.M	1630.926	0.00361	3	1	40.9	0
P12163_2_F2,836	K.VLNDETFGK.M	1630.926	0.00672	2	1	32	0
P12163_2_F2,1060	K.VLNDETFGK.M	1630.926	0.00546	2	1	28.4	0
P12163_2_F2,1108	K.VLNDETFGK.M	1630.926	0.00446	3	1	26.4	0
P12163_2_F2,1456	K.VLNDETFGK.M	1630.926	-0.00131	3	1	29.4	0
P12163_2_F2,1631	K.VLNDETFGK.M	1630.926	0.00234	2	1	27.3	0
P12163_2_F2,2459	K.VLNDETFGK.M	1630.926	0.01108	3	1	31.8	0
P12163_2_F4,15194	K.VLNDETFGK.M	1630.926	-0.00041	3	1	28	0
P12163_2_F4,15206	K.VLNDETFGK.M	1630.926	0.00314	2	1	44.6	0
P12163_1_F4,7963	K.VSYASSR.A	1073.589	0.00544	3	1	25.3	0
P12163_2_F1,7103	K.VSYASSR.A	1073.589	0.00574	3	1	26.1	0
P12163_1_F4,18924	K.YVGVSLVGK.T	1529.951	0.00644	2	1	39.4	0
P12163_1_F4,18929	K.YVGVSLVGK.T	1529.951	0.00602	3	1	29.7	0
P12163_1_F5,17669	K.YVGVSLVGK.T	1529.951	0.00827	3	1	29.3	0
P12163_1_F5,17688	K.YVGVSLVGK.T	1529.951	0.00844	2	1	37.9	0
P12163_1_F6,17604	K.YVGVSLVGK.T	1529.951	0.0027	2	1	26.3	0
P12163_1_F6,18041	K.YVGVSLVGK.T	1529.951	0.00574	2	1	29	0

P12163_1_F6,18050	K.YVGVSLVGK.T	1529.951	0.0053	3	1	28.7	0
P12163_1_F7,16723	K.YVGVSLVGK.T	1529.951	0.00234	2	1	30.6	0
P12163_1_F7,17191	K.YVGVSLVGK.T	1529.951	0.00988	2	1	38.4	0
P12163_1_F7,17201	K.YVGVSLVGK.T	1529.951	0.00059	3	1	27.4	0
P12163_1_F8,17996	K.YVGVSLVGK.T	1529.951	0.00218	3	1	33.4	0
P12163_1_F9,17475	K.YVGVSLVGK.T	1529.951	0.00386	3	1	26	0
P12163_1_F9,17500	K.YVGVSLVGK.T	1529.951	0.0052	2	1	39.8	0
P12163_1_S10,1699	K.YVGVSLVGK.T	1529.951	0.00194	3	1	23	0
P12163_2_F1,18199	K.YVGVSLVGK.T	1529.951	0.00692	3	1	37.2	0
P12163_2_F1,18200	K.YVGVSLVGK.T	1529.951	0.0048	2	1	39.3	0
P12163_2_F4,16306	K.YVGVSLVGK.T	1529.951	0.00158	3	1	26.7	0
P12163_2_F4,16356	K.YVGVSLVGK.T	1529.951	0.00412	2	1	35.4	0
P12163_2_F8_12070	K.YVGVSLVGK.T	1529.951	0.01038	2	1	26	0
P12163_2_F8_12070	K.YVGVSLVGK.T	1529.951	0.00542	3	1	27.1	0
P12163_2_F9,16239	K.YVGVSLVGK.T	1529.951	0.01036	2	1	38.8	0
P12163_2_F9,16273	K.YVGVSLVGK.T	1529.951	0.00554	3	1	42.5	0
P12163_1_F4,6235	R.ALDSGR.V	922.5259	0.00487	3	1	27.5	0
P12163_2_F1,5584	R.ALDSGR.V	922.5259	0.00313	3	1	22.2	0
P12163_1_S1,9060	R.APDDLDR.L	1206.627	0.00364	3	1	27.6	0
P12163_1_S1,10216	R.APDDLDR.L	1206.627	0.00169	2	1	24.2	0
P12163_1_F2,10333	R.DVFESSAGR.L	1271.653	0.00064	3	1	30.6	0
P12163_1_F2,10644	R.DVFESSAGR.L	1271.653	0.00519	3	1	32.5	0
P12163_1_F2,12603	R.DVFESSAGR.L	1271.653	-0.00014	2	1	31.9	0
P12163_1_S1,10579	R.DVFESSAGR.L	1271.653	0.00679	3	1	28.1	0
P12163_1_S1,12600	R.DVFESSAGR.L	1271.653	0.00766	2	1	33.1	0
P12163_1_F4,17907	R.GGVIDEEALVR.A	1461.821	0.00924	2	1	34.1	0
P12163_1_F5,15933	R.GGVIDEEALVR.A	1461.821	0.00272	2	1	29.6	0
P12163_1_F6,17109	R.GGVIDEEALVR.A	1461.821	0.00466	2	1	36.9	0
P12163_1_S1,16081	R.GGVIDEEALVR.A	1461.821	0.00388	2	1	52.4	0
P12163_1_S1,16090	R.GGVIDEEALVR.A	1461.821	0.01271	3	1	65.2	0
P12163_1_S10,18	R.GGVIDEEALVR.A	1461.821	0.00768	2	1	28.1	0
P12163_2_F2,16722	R.GGVIDEEALVR.A	1461.821	0.00188	2	1	32.8	0
P12163_2_F4,15848	R.GGVIDEEALVR.A	1461.821	0.00012	2	1	49.4	0
P12163_1_F7,11599	R.KHAVM*AIGVDEQPR.	2175.216	0.00051	3	1	38.6	0
P12163_1_F7,13280	R.KHAVM*AIGVDEQPR.	2175.216	0.00683	4	1	27.9	0
P12163_1_F7,13290	R.KHAVM*AIGVDEQPR.	2175.216	0.00474	3	1	51.6	0
P12163_1_F6,14031	R.KHAVMAIGVDEQPR.K	2159.221	0.00787	4	1	31.8	0
P12163_1_F7,13368	R.KHAVMAIGVDEQPR.K	2159.221	0.00487	4	1	33.5	0
P12163_1_F3,18835	R.LAVQLVAGGSGVK.T	1807.126	0.00532	3	1	42.9	0
P12163_1_F3,20438	R.LAVQLVAGGSGVK.T	1807.126	0.0049	3	1	62	0
P12163_1_F3,20439	R.LAVQLVAGGSGVK.T	1807.126	0.00452	2	1	65.8	0
P12163_1_F4,19190	R.LAVQLVAGGSGVK.T	1807.126	-0.00038	3	1	25.2	0
P12163_1_F4,19251	R.LAVQLVAGGSGVK.T	1807.126	0.00848	2	1	38.2	0
P12163_1_F4,20857	R.LAVQLVAGGSGVK.T	1807.126	0.00352	3	1	56.1	0
P12163_1_F4,20867	R.LAVQLVAGGSGVK.T	1807.126	0.0008	2	1	63.2	0
P12163_1_F4,23026	R.LAVQLVAGGSGVK.T	1807.126	0.0088	3	1	44.1	0
P12163_1_F4,23054	R.LAVQLVAGGSGVK.T	1807.126	0.00476	2	1	55	0
P12163_1_F4,23356	R.LAVQLVAGGSGVK.T	1807.126	0.00691	3	1	37.9	0
P12163_1_F5,19704	R.LAVQLVAGGSGVK.T	1807.126	0.00292	3	1	43.8	0
P12163_1_F5,19735	R.LAVQLVAGGSGVK.T	1807.126	0.00334	2	1	31	0
P12163_1_F6,19374	R.LAVQLVAGGSGVK.T	1807.126	-0.00062	3	1	50.1	0

P12163_1_F6,19435	R.LAVQLVAGGSGVK.T	1807.126	-0.00186	2	1	32.2	0
P12163_1_F6,19769	R.LAVQLVAGGSGVK.T	1807.126	0.00319	3	1	43.3	0
P12163_1_F7,18960	R.LAVQLVAGGSGVK.T	1807.126	0.0055	3	1	28.2	0
P12163_1_F9,19469	R.LAVQLVAGGSGVK.T	1807.126	0.00532	3	1	31.7	0
P12163_2_F1,18528	R.LAVQLVAGGSGVK.T	1807.126	0.00724	3	1	31.7	0
P12163_2_F1,20381	R.LAVQLVAGGSGVK.T	1807.126	0.0098	2	1	66.6	0
P12163_2_F1,20395	R.LAVQLVAGGSGVK.T	1807.126	0.00712	3	1	45.7	0
P12163_2_F1,20604	R.LAVQLVAGGSGVK.T	1807.126	0.00026	2	1	48.3	0
P12163_2_F1,20618	R.LAVQLVAGGSGVK.T	1807.126	0.00196	3	1	43.9	0
P12163_2_F4,18184	R.LAVQLVAGGSGVK.T	1807.126	0.00181	3	1	47.2	0
P12163_2_F4,18212	R.LAVQLVAGGSGVK.T	1807.126	0.00342	2	1	41.6	0
P12163_2_F4,18541	R.LAVQLVAGGSGVK.T	1807.126	0.00094	3	1	46.9	0
P12163_1_F3,10238	R.NVAQADASVK.A	1610.932	0.00543	2	1	43.9	0
P12163_1_F4,9450	R.NVAQADASVK.A	1610.932	0.00773	2	1	26.1	0
P12163_1_F4,11420	R.NVAQADASVK.A	1610.932	0.00981	2	1	40.4	0
P12163_1_F4,23731	R.NVAQADASVK.A	1610.932	0.00305	2	1	30.6	0
P12163_1_F4,23835	R.NVAQADASVK.A	1610.932	0.00643	3	1	23.3	0
P12163_1_F4,24452	R.NVAQADASVK.A	1610.932	0.00295	3	1	24.3	0
P12163_1_F4,24567	R.NVAQADASVK.A	1610.932	0.00731	2	1	26.3	0
P12163_1_F5,10134	R.NVAQADASVK.A	1610.932	0.00707	2	1	44.1	0
P12163_1_F7,9993	R.NVAQADASVK.A	1610.932	0.0055	3	1	38.7	0
P12163_2_F1,10612	R.NVAQADASVK.A	1610.932	0.00499	3	1	42.7	0
P12163_2_F1,10725	R.NVAQADASVK.A	1610.932	0.00601	2	1	51.9	0
P12163_2_F1,11007	R.NVAQADASVK.A	1610.932	0.01085	2	1	35.6	0
P12163_2_F1,11985	R.NVAQADASVK.A	1610.932	0.00481	2	1	40.7	0
P12163_2_S5,9784	R.NVAQADASVK.A	1610.932	0.00256	3	1	47	0
P12163_1_F4,12201	R.QVDQPGM*IGK.V	1696.951	0.00485	3	1	29.7	0
P12163_1_F4,12240	R.QVDQPGM*IGK.V	1696.951	0.00622	2	1	29.6	0
P12163_1_F4,14070	R.QVDQPGM*IGK.V	1696.951	0.01116	2	1	24.8	0
P12163_2_F1,11342	R.QVDQPGM*IGK.V	1696.951	0.00716	3	1	28.4	0
P12163_1_F3,13557	R.QVDQPGMIGK.V	1680.956	0.0043	2	1	36.5	0
P12163_1_F4,14030	R.QVDQPGMIGK.V	1680.956	0.00458	2	1	35.1	0
P12163_1_F4,14076	R.QVDQPGMIGK.V	1680.956	0.00758	3	1	36.4	0
P12163_1_F5,12734	R.QVDQPGMIGK.V	1680.956	0.00838	2	1	31.4	0
P12163_2_F1,13094	R.QVDQPGMIGK.V	1680.956	0.00773	3	1	24.8	0
P12163_2_F4,12003	R.QVDQPGMIGK.V	1680.956	0.00152	3	1	27.7	0
P12163_1_F3,26923	K.AELLYNVIDGSNGFYK	2411.307	0.00428	3	1	35.8	0
P12163_2_F1,16700	K.AQSELYNWR.G	1470.764	0.00254	2	1	28.3	0
P12163_1_F4,14713	K.DLLGNAQDK.T	1581.906	0.00221	3	1	24.4	0
P12163_1_F5,13323	K.DLLGNAQDK.T	1581.906	0.0064	2	1	31.9	0
P12163_2_F1,13666	K.DLLGNAQDK.T	1581.906	0.00568	2	1	30.5	0
P12163_2_F1,13702	K.DLLGNAQDK.T	1581.906	0.00455	3	1	49.4	0
P12163_2_F4,12560	K.DLLGNAQDK.T	1581.906	0.00196	2	1	24.1	0
P12163_2_S5,13298	K.DLLGNAQDK.T	1581.906	0.00533	3	1	23.7	0
P12163_1_S10,1045'	K.EYPSAK.N	1302.751	0.00711	3	1	29.6	0
P12163_2_F1,9392	K.EYPSAK.N	1302.751	0.00444	3	1	30.3	0
P12163_1_F4,20850	K.FCNPQVIWSGK.A	1944.062	0.00565	3	1	26.6	0
P12163_1_F4,20932	K.FCNPQVIWSGK.A	1944.062	0.00678	2	1	43.5	0
P12163_1_F5,19673	K.FCNPQVIWSGK.A	1944.062	0.00709	3	1	30.3	0
P12163_2_F1,20261	K.FCNPQVIWSGK.A	1944.062	0.00463	3	1	31.8	0
P12163_2_F1,20287	K.FCNPQVIWSGK.A	1944.062	0.0052	2	1	36.6	0

P12163_1_F2,19997	K.IPNFDALEQNPDAK.Y	2180.181	0.00702	3	1	55.5	0
P12163_1_F2,20045	K.IPNFDALEQNPDAK.Y	2180.181	0.00842	4	1	29.3	0
P12163_1_F2,20116	K.IPNFDALEQNPDAK.Y	2180.181	0.00498	2	1	69.2	0
P12163_1_S1,19083	K.IPNFDALEQNPDAK.Y	2180.181	0.00882	4	1	43.9	0
P12163_1_S1,19127	K.IPNFDALEQNPDAK.Y	2180.181	0.00196	2	1	46	0
P12163_1_S1,19287	K.IPNFDALEQNPDAK.Y	2180.181	0.01134	3	1	26.6	0
P12163_2_F2,20198	K.IPNFDALEQNPDAK.Y	2180.181	0.00117	3	1	23.7	0
P12163_2_F4,18678	K.IPNFDALEQNPDAK.Y	2180.181	0.0033	3	1	36.3	0
P12163_1_F7,16508	K.NSTGILVADM*SSNFC	3122.607	-0.0015	3	1	27	0
P12163_1_F7,19609	K.NSTGILVADM*SSNFC	3122.607	0.00599	4	1	48.3	0
P12163_1_F7,19619	K.NSTGILVADM*SSNFC	3122.607	0.00081	3	1	29.8	0
P12163_2_S5,15848	K.NSTGILVADM*SSNFC	3122.607	0.01031	4	1	52.5	0
P12163_1_F7,19616	K.NSTGILVADMSSNFC	3106.612	0.00516	3	1	58	0
P12163_1_F7,19679	K.NSTGILVADMSSNFC	3106.612	0.00907	4	1	39.2	0
P12163_1_S1,17607	K.NVGPSGVTIVIVR.K	1614.984	-0.00098	3	1	72.6	0
P12163_1_S1,17921	K.NVGPSGVTIVIVR.K	1614.984	0.00172	3	1	47.2	0
P12163_1_F3,15886	K.SDLEAEFVK.E	1645.926	0.00755	3	1	51.3	0
P12163_1_F3,18450	K.SDLEAEFVK.E	1645.926	0.00209	2	1	39.4	0
P12163_1_F4,16034	K.SDLEAEFVK.E	1645.926	0.01478	3	1	38.3	0
P12163_1_F4,16284	K.SDLEAEFVK.E	1645.926	0.00359	3	1	35.9	0
P12163_1_F4,18998	K.SDLEAEFVK.E	1645.926	0.0101	3	1	54.1	0
P12163_1_F6,18043	K.SDLEAEFVK.E	1645.926	0.00662	3	1	40.7	0
P12163_1_F6,18058	K.SDLEAEFVK.E	1645.926	0.00599	2	1	35.6	0
P12163_1_F7,16535	K.SDLEAEFVK.E	1645.926	-0.00061	3	1	38.3	0
P12163_1_F8,17994	K.SDLEAEFVK.E	1645.926	0.00788	3	1	27.2	0
P12163_2_F1,18268	K.SDLEAEFVK.E	1645.926	0.00607	2	1	47.5	0
P12163_2_F4,16386	K.SDLEAEFVK.E	1645.926	0.0017	3	1	39.1	0
P12163_2_F4,16394	K.SDLEAEFVK.E	1645.926	0.00239	2	1	35.9	0
P12163_2_F4,15769	K.TPVMLDYK.I	1574.907	-0.00143	3	1	22.2	0
P12163_2_F9,16002	K.TPVMLDYK.I	1574.907	0.00418	3	1	33.6	0
P12163_2_F4,17316	K.YLHICANETIHGVEFK.	2539.359	0.00305	4	1	22.2	0
P12163_2_F7,18187	R.ASIYNAM*PLAGVEK.I	2088.162	0.00323	3	1	53.5	0
P12163_2_F7,18229	R.ASIYNAM*PLAGVEK.I	2088.162	0.00263	2	1	30.7	0
P12163_1_F3,20863	R.ASIYNAMPLAGVEK.L	2072.167	0.00605	3	1	60.4	0
P12163_1_F3,20879	R.ASIYNAMPLAGVEK.L	2072.167	0.00341	2	1	78.8	0
P12163_1_F6,19924	R.ASIYNAMPLAGVEK.L	2072.167	0.002	3	1	42.2	0
P12163_2_F4,19086	R.ASIYNAMPLAGVEK.L	2072.167	0.00608	3	1	42.7	0
P12163_2_F7,18209	R.ASIYNAMPLAGVEK.L	2072.167	0.00173	3	1	48.8	0
P12163_1_F4,19756	R.FGVIYAGAQK.N	1661.983	0.01131	2	1	40.2	0
P12163_1_F4,19936	R.FGVIYAGAQK.N	1661.983	0.00857	3	1	43.8	0
P12163_1_F4,19945	R.FGVIYAGAQK.N	1661.983	0.00751	2	1	43	0
P12163_1_F4,20167	R.FGVIYAGAQK.N	1661.983	0.00572	3	1	43	0
P12163_1_F4,20193	R.FGVIYAGAQK.N	1661.983	0.00429	2	1	42.6	0
P12163_1_F5,19001	R.FGVIYAGAQK.N	1661.983	0.00602	3	1	41.6	0
P12163_1_F5,19015	R.FGVIYAGAQK.N	1661.983	0.00429	2	1	43.1	0
P12163_1_F6,19132	R.FGVIYAGAQK.N	1661.983	0.00299	3	1	34.3	0
P12163_1_F7,17858	R.FGVIYAGAQK.N	1661.983	0.00206	3	1	39.2	0
P12163_1_F9,18646	R.FGVIYAGAQK.N	1661.983	0.00611	3	1	41.6	0
P12163_1_F9,18660	R.FGVIYAGAQK.N	1661.983	0.00141	2	1	50	0
P12163_2_F1,19107	R.FGVIYAGAQK.N	1661.983	0.00721	2	1	33	0
P12163_2_F1,19112	R.FGVIYAGAQK.N	1661.983	0.00833	3	1	32.5	0

P12163_2_F1,19293	R.FGVIYAGAQK.N	1661.983	0.00817	2	1	42.7	0
P12163_2_F1,19298	R.FGVIYAGAQK.N	1661.983	0.00458	3	1	37.8	0
P12163_2_F1,19499	R.FGVIYAGAQK.N	1661.983	0.00545	3	1	29.6	0
P12163_2_F1,19574	R.FGVIYAGAQK.N	1661.983	0.00539	2	1	42.7	0
P12163_2_F1,19753	R.FGVIYAGAQK.N	1661.983	0.00575	3	1	54.2	0
P12163_2_F4,16961	R.FGVIYAGAQK.N	1661.983	-0.00184	3	1	23.3	0
P12163_2_F4,17463	R.FGVIYAGAQK.N	1661.983	0.00041	3	1	29.9	0
P12163_2_F9,17397	R.FGVIYAGAQK.N	1661.983	0.00449	3	1	25.6	0
P12163_2_F9,17458	R.FGVIYAGAQK.N	1661.983	0.00249	2	1	30.6	0
P12163_2_S5,16704	R.FGVIYAGAQK.N	1661.983	0.00089	3	1	26.6	0
P12163_2_F6,5512	R.GSGM*SVM*EM*SHR.	1660.739	-0.00096	3	1	24.7	0
P12163_2_F6,7893	R.GSGM*SVM*EMSHR.C	1644.745	0.00189	3	1	40.2	0
P12163_2_F6,12877	R.GSGM*SVMEM*SHR.C	1644.745	-0.00417	3	1	44.8	0
P12163_2_F6,12878	R.GSGMSVM*EMSHR.G	1628.75	0.0039	3	1	36.7	0
P12163_1_F8,10889	R.GSGMSVMEM*SHR.G	1628.75	0.0015	3	1	30.6	0
P12163_1_F6,13630	R.GSGMSVMEMSHR.G	1612.755	0.00114	3	1	26.1	0
P12163_1_F8,13460	R.GSGMSVMEMSHR.G	1612.755	0.00201	3	1	34.9	0
P12163_1_F8,13498	R.GSGMSVMEMSHR.G	1612.755	0.00248	2	1	34.8	0
P12163_2_F6,10995	R.GSGMSVMEMSHR.G	1612.755	0.00651	4	1	34.2	0
P12163_1_F9,14093	R.KDLLGNAQDK.T	2014.206	0.00994	3	1	28.5	0
P12163_1_F4,21724	R.SFM*NVPFTLEK.S	1937.066	0.00929	3	1	24.6	0
P12163_1_F4,24477	R.SFM*NVPFTLEK.S	1937.066	0.00821	3	1	26.8	0
P12163_1_F4,24491	R.SFM*NVPFTLEK.S	1937.066	0.00632	2	1	26.8	0
P12163_1_F5,22888	R.SFM*NVPFTLEK.S	1937.066	0.00755	3	1	30.7	0
P12163_1_F6,22622	R.SFM*NVPFTLEK.S	1937.066	0.00899	3	1	24	0
P12163_2_F1,21105	R.SFM*NVPFTLEK.S	1937.066	0.00092	3	1	32.9	0
P12163_2_F4,20883	R.SFM*NVPFTLEK.S	1937.066	0.00095	3	1	31.5	0
P12163_1_F3,20520	R.SFMNVPFTLEK.S	1921.071	0.00581	3	1	22.9	0
P12163_1_F3,20904	R.SFMNVPFTLEK.S	1921.071	0.00767	3	1	37.7	0
P12163_1_F3,20921	R.SFMNVPFTLEK.S	1921.071	0.00626	2	1	35.8	0
P12163_1_F3,23633	R.SFMNVPFTLEK.S	1921.071	0.00806	3	1	37.8	0
P12163_1_F3,23637	R.SFMNVPFTLEK.S	1921.071	0.00598	2	1	36.3	0
P12163_1_F4,21172	R.SFMNVPFTLEK.S	1921.071	0.00605	3	1	25.6	0
P12163_1_F4,24577	R.SFMNVPFTLEK.S	1921.071	0.00581	3	1	31.7	0
P12163_2_F1,23849	R.SFMNVPFTLEK.S	1921.071	0.00458	2	1	39.6	0
P12163_1_F2,5623	R.TAAQIQSGQEDR.V	1607.829	0.00235	3	1	33.7	0
P12163_1_F2,5676	R.TAAQIQSGQEDR.V	1607.829	0.0004	2	1	38.6	0
P12163_1_F2,6543	R.TAAQIQSGQEDR.V	1607.829	0.00172	3	1	36	0
P12163_1_F2,7345	R.TAAQIQSGQEDR.V	1607.829	0.0043	3	1	37	0
P12163_1_F2,8651	R.TAAQIQSGQEDR.V	1607.829	0.00466	2	1	47.4	0
P12163_1_F3,8881	R.TAAQIQSGQEDR.V	1607.829	0.00312	2	1	55.3	0
P12163_1_F4,9416	R.TAAQIQSGQEDR.V	1607.829	0.00588	2	1	47.3	0
P12163_1_S1,6964	R.TAAQIQSGQEDR.V	1607.829	0.00478	3	1	38.2	0
P12163_1_S1,9017	R.TAAQIQSGQEDR.V	1607.829	0.00196	3	1	45.3	0
P12163_1_S1,9045	R.TAAQIQSGQEDR.V	1607.829	0.0036	2	1	73.7	0
P12163_1_F3,22493	R.VFNFAAGPANLPEK.V	2083.18	0.00493	2	1	50.2	0
P12163_1_F3,22501	R.VFNFAAGPANLPEK.V	2083.18	0.00593	3	1	56.2	0
P12163_1_F3,22583	R.VFNFAAGPANLPEK.V	2083.18	0.00618	4	1	46.9	0
P12163_1_F4,23267	R.VFNFAAGPANLPEK.V	2083.18	0.00806	3	1	46	0
P12163_1_F4,23273	R.VFNFAAGPANLPEK.V	2083.18	0.00425	2	1	24.1	0
P12163_1_F5,21805	R.VFNFAAGPANLPEK.V	2083.18	0.00602	3	1	25.9	0

P12163_1_F6,21310 R.VFNFAAGPANLPEK.V	2083.18	-0.00079	3	1	49.3	0
P12163_1_F6,21316 R.VFNFAAGPANLPEK.V	2083.18	0.00141	2	1	27.6	0
P12163_1_F6,21645 R.VFNFAAGPANLPEK.V	2083.18	-0.00064	3	1	35.4	0
P12163_2_F4,20253 R.VFNFAAGPANLPEK.V	2083.18	0.00356	3	1	23.9	0
P12163_2_F10,9222 K.AGYTGK.V ! K.AGYTC	1204.715	0.00586	2	1	25.3	0
P12163_1_F5,14208 K.GVLNAVK.N	1308.846	0.00619	2	1	35.3	0
P12163_1_F7,14252 K.GVLNAVK.N	1308.846	0.00613	2	1	30.6	0
P12163_1_F8,14363 K.GVLNAVK.N	1308.846	0.0009	3	1	28.4	0
P12163_2_F2,15039 K.GVLNAVK.N	1308.846	-0.00066	3	1	26.3	0
P12163_2_F2,15278 K.GVLNAVK.N	1308.846	0.00725	2	1	32.7	0
P12163_1_F5,14018 K.GVPLYK.H	1284.814	0.00426	3	1	22.5	0
P12163_1_F6,11510 K.HIQELSGTK.E	1620.953	0.00887	2	1	26.3	0
P12163_1_F6,11512 K.HIQELSGTK.E	1620.953	0.009	3	1	41.4	0
P12163_1_F9,11347 K.HIQELSGTK.E	1620.953	0.01329	3	1	37	0
P12163_1_F9,11393 K.HIQELSGTK.E	1620.953	0.00719	2	1	35.6	0
P12163_1_F9,11635 K.HIQELSGTK.E	1620.953	0.00516	3	1	26.2	0
P12163_1_S10,1189 K.HIQELSGTK.E	1620.953	0.00711	3	1	28.7	0
P12163_2_F7,10595 K.HIQELSGTK.E	1620.953	0.01023	3	1	40.3	0
P12163_2_F8_12070 K.HIQELSGTK.E	1620.953	0.00657	3	1	49.6	0
P12163_2_F9,9426 K.HIQELSGTK.E	1620.953	0.00315	3	1	34.5	0
P12163_2_F9,10853 K.HIQELSGTK.E	1620.953	0.00516	4	1	26.2	0
P12163_2_F9,10879 K.HIQELSGTK.E	1620.953	0.00834	3	1	36.9	0
P12163_2_S5,10970 K.HIQELSGTK.E	1620.953	0.00525	3	1	35.3	0
P12163_1_F4,18746 K.NINDILGPK.L	1591.963	0.00648	2	1	36.2	0
P12163_1_F4,18756 K.NINDILGPK.L	1591.963	0.00653	3	1	29.6	0
P12163_1_F5,17438 K.NINDILGPK.L	1591.963	0.00482	2	1	36	0
P12163_1_F5,17617 K.NINDILGPK.L	1591.963	-0.00211	3	1	33.7	0
P12163_1_F5,17704 K.NINDILGPK.L	1591.963	0.00492	2	1	35.1	0
P12163_2_F1,17996 K.NINDILGPK.L	1591.963	0.00734	2	1	36.1	0
P12163_2_F1,18029 K.NINDILGPK.L	1591.963	0.00563	3	1	33.8	0
P12163_2_S5,15884 K.NINDILGPK.L	1591.963	0.0071	3	1	22.9	0
P12163_2_S5,16410 K.NINDILGPK.L	1591.963	0.00977	3	1	28.1	0
P12163_1_F8,18331 K.QPNDGAHVLSAQSLG	2621.414	0.00578	3	1	51.9	0
P12163_2_F10,1648 K.QPNDGAHVLSAQSLG	2621.414	0.00665	3	1	62.6	0
P12163_2_F10,1650 K.QPNDGAHVLSAQSLG	2621.414	0.00369	4	1	32.1	0
P12163_2_S5,17059 K.QPNDGAHVLSAQSLG	2621.414	0.01313	3	1	49.3	0
P12163_2_S5,17084 K.QPNDGAHVLSAQSLG	2621.414	0.00333	4	1	25.4	0
P12163_1_F9,14998 K.SAGWGVMSHR.S	1490.784	0.00102	3	1	24.6	0
P12163_2_F4,14153 K.SAGWGVMSHR.S	1490.784	0.00333	3	1	30.9	0
P12163_1_F5,15179 K.SCNGLLK.V	1512.903	0.0071	2	1	33.9	0
P12163_2_F2,16068 K.SCNGLLK.V	1512.903	0.00626	2	1	37.3	0
P12163_1_F4,4881 K.TGAPCR.S	965.514	0.00357	3	1	29.3	0
P12163_2_F1,4291 K.TGAPCR.S	965.514	0.00159	3	1	27	0
P12163_1_F2,18538 K.VNQIGTVTESIQAALD	2482.397	0.0111	3	1	35	0
P12163_1_F2,24494 K.VNQIGTVTESIQAALD	2482.397	0.01086	3	1	24.8	0
P12163_1_F5,16578 K.YDLNFK.K	1407.809	0.00482	3	1	23.9	0
P12163_1_F6,17086 K.YDLNFK.K	1407.809	0.00788	2	1	24.2	0
P12163_1_S10,1660 K.YDLNFK.K	1407.809	0.00383	3	1	23.8	0
P12163_1_F8,15112 K.YGQDACNVGDEGGFA	2687.206	0.00194	3	1	93.7	0
P12163_1_F8,15115 K.YGQDACNVGDEGGFA	2687.206	0.0002	2	1	60.6	0
P12163_2_F6,14623 K.YGQDACNVGDEGGFA	2687.206	-0.0013	3	1	68.4	0

P12163_2_F6,14631	K.YGQDACNVGDEGGFA	2687.206	0.00162	2	1	51.9	0
P12163_2_F2,6737	R.AGAGAK.G	1082.678	0.00348	3	1	30.9	0
P12163_1_S1,19857	R.DQAEVDAIM*LEIDGT	2583.343	0.01856	3	1	58.4	0
P12163_1_S1,22661	R.DQAEVDAIMLEIDGTP	2567.348	0.01103	3	1	57.2	0
P12163_1_F2,19877	R.EGLVLLTDAIEK.A	1909.147	0.00802	3	1	39.5	0
P12163_1_F2,24156	R.EGLVLLTDAIEK.A	1909.147	0.00409	3	1	47.9	0
P12163_1_F3,20395	R.EGLVLLTDAIEK.A	1909.147	-0.00067	2	1	40	0
P12163_1_F3,25394	R.EGLVLLTDAIEK.A	1909.147	0.00595	3	1	52.3	0
P12163_1_F3,25395	R.EGLVLLTDAIEK.A	1909.147	0.00563	2	1	46.3	0
P12163_1_F3,25606	R.EGLVLLTDAIEK.A	1909.147	0.00319	3	1	35.9	0
P12163_1_F4,26297	R.EGLVLLTDAIEK.A	1909.147	0.00448	3	1	34.1	0
P12163_1_F5,24022	R.EGLVLLTDAIEK.A	1909.147	0.00397	3	1	45.7	0
P12163_1_F7,23235	R.EGLVLLTDAIEK.A	1909.147	0.00217	3	1	26.8	0
P12163_2_F4,16010	R.IEEELGNVR.Y	1362.753	-0.00008	2	1	24.1	0
P12163_2_F6,15302	R.M*GSEVYHILK.G	1801.014	0.00397	3	1	22	0
P12163_2_F6,18316	R.M*GSEVYHILK.G	1801.014	0.00835	3	1	22.2	0
P12163_2_S3,13968	R.M*GSEVYHILK.G	1801.014	0.00781	3	1	24.2	0
P12163_1_F6,18801	R.MGSEVYHILK.G	1785.019	0.00166	3	1	22.3	0
P12163_1_F6,18828	R.MGSEVYHILK.G	1785.019	0.00347	2	1	34.8	0
P12163_2_F6,18305	R.MGSEVYHILK.G	1785.019	0.0028	3	1	22.1	0
P12163_2_S3,16336	R.MGSEVYHILK.G	1785.019	0.00517	3	1	26.6	0
P12163_1_F4,12192	R.YAGQDFR.S	1160.6	0.00264	2	1	24	0
P12163_1_F4,22006	K.GYLFPLDK.K	1560.925	0.01151	2	1	27.7	0
P12163_1_F4,22077	K.GYLFPLDK.K	1560.925	0.00709	3	1	31.8	0
P12163_1_F4,22235	K.GYLFPLDK.K	1560.925	0.00769	2	1	40.3	0
P12163_1_F9,20413	K.GYLFPLDK.K	1560.925	0.00649	2	1	25.2	0
P12163_2_F1,21551	K.GYLFPLDK.K	1560.925	0.00625	2	1	24.3	0
P12163_2_F8_12070	K.GYLFPLDK.K	1560.925	0.00645	2	1	25.3	0
P12163_2_F9,19141	K.GYLFPLDK.K	1560.925	0.00211	3	1	26.1	0
P12163_1_F4,25255	K.IATFWIDSGK.L	1746.005	0.00673	3	1	33.7	0
P12163_2_F1,24526	K.IATFWIDSGK.L	1746.005	0.00556	2	1	39.7	0
P12163_1_F6,19560	K.IGGYLPGVHYIR.D	1648.948	0.00233	3	1	26.5	0
P12163_1_F8,19658	K.IGGYLPGVHYIR.D	1648.948	0.00209	3	1	24.8	0
P12163_2_F6,19114	K.IGGYLPGVHYIR.D	1648.948	-0.00193	3	1	31.6	0
P12163_2_S5,18176	K.IGGYLPGVHYIR.D	1648.948	0.00035	3	1	40.2	0
P12163_1_F6,22065	K.LDTTIIFPENHLLQR.L	2114.191	0.00295	3	1	50.5	0
P12163_1_F7,21304	K.LDTTIIFPENHLLQR.L	2114.191	0.00145	3	1	35.5	0
P12163_1_F7,21532	K.LDTTIIFPENHLLQR.L	2114.191	-0.00101	3	1	23.2	0
P12163_2_S5,20411	K.LDTTIIFPENHLLQR.L	2114.191	0.00124	3	1	54.9	0
P12163_1_S1,21051	K.LQQASSVEEAEIAR.A	1948.065	0.00364	3	1	78	0
P12163_1_F2,6639	K.NLEAGSDGR.V	1222.633	0.00277	3	1	29.1	0
P12163_1_F3,6720	K.NLEAGSDGR.V	1222.633	0.00118	3	1	23.3	0
P12163_1_F4,13699	K.QLITNSGK.L	1569.942	0.00164	2	1	35.2	0
P12163_1_F5,12217	K.QLITNSGK.L	1569.942	0.0062	2	1	32.8	0
P12163_2_F1,12619	K.QLITNSGK.L	1569.942	-0.00216	2	1	31.5	0
P12163_1_S1,12590	K.YGSLIVATGCTASR.F	1759.931	0.00314	3	1	25.4	0
P12163_1_S1,14894	K.YGSLIVATGCTASR.F	1759.931	0.00104	3	1	34.6	0
P12163_1_S1,15381	K.YGSLIVATGCTASR.F	1759.931	0.0062	3	1	52.1	0
P12163_1_S1,15718	K.YGSLIVATGCTASR.F	1759.931	0.00797	3	1	34.3	0
P12163_1_S1,16979	K.YGSLIVATGCTASR.F	1759.931	0.00347	2	1	28.5	0
P12163_1_S1,16989	K.YGSLIVATGCTASR.F	1759.931	0.00266	3	1	51.2	0

P12163_2_F6,17320	K.YGSLIVATGCTASR.F	1759.931	0.00649	2	1	25.3	0
P12163_1_S1,22583	R.DVADADALISSLEK.A	2055.143	0.00735	3	1	36.7	0
P12163_1_S1,22645	R.DVADADALISSLEK.A	2055.143	0.00634	2	1	36.3	0
P12163_1_F8,18554	R.EFVIVGGGNAAGYAA	1855.997	0.00332	2	1	39.1	0
P12163_1_F8,18579	R.EFVIVGGGNAAGYAA	1855.997	0.00272	3	1	53.7	0
P12163_1_S1,17653	R.EFVIVGGGNAAGYAA	1855.997	0.00624	2	1	42.1	0
P12163_1_S1,17659	R.EFVIVGGGNAAGYAA	1855.997	0.00143	3	1	56.4	0
P12163_2_F6,18081	R.EFVIVGGGNAAGYAA	1855.997	0.00622	2	1	50.5	0
P12163_2_F6,18108	R.EFVIVGGGNAAGYAA	1855.997	0.00515	3	1	61	0
P12163_1_F2,18920	R.LFTPSLAQR.Y	1336.789	0.00226	2	1	27.4	0
P12163_1_F6,15540	R.LPGFHTCVGSGER.Q	1777.896	0.0009	3	1	58.3	0
P12163_1_F8,15339	R.LPGFHTCVGSGER.Q	1777.896	0.00033	3	1	31	0
P12163_1_F8,15361	R.LPGFHTCVGSGER.Q	1777.896	0.00686	2	1	38	0
P12163_2_F6,14757	R.LPGFHTCVGSGER.Q	1777.896	0.00774	3	1	58.1	0
P12163_2_F6,14774	R.LPGFHTCVGSGER.Q	1777.896	0.00838	2	1	42.1	0
P12163_2_F4,7204	R.QSAQHCIK.A	1579.883	-0.00282	3	1	32.7	0
P12163_1_F5,12058	R.SQPFVDK.A	1428.831	0.00956	3	1	25.7	0
P12163_2_F6,11977	R.TFVEHGM*ADGR.L	1539.753	0.00199	3	1	33	0
P12163_2_F6,11993	R.TFVEHGM*ADGR.L	1539.753	0.00553	2	1	34.3	0
P12163_2_F6,11988	R.TFVEHGMADGR.L	1523.758	0.00175	3	1	47.7	0
P12163_2_F6,11999	R.TFVEHGMADGR.L	1523.758	0.00723	2	1	34.8	0
P12163_1_F5,5140	R.VEHVDHAR.Q ! R.VEH	1266.686	0.00352	3	1	27.1	0
P12163_1_F5,5150	R.VEHVDHAR.Q ! R.VEH	1266.686	0.00162	2	1	35.7	0
P12163_2_S5,6262	R.VEHVDHAR.Q ! R.VEH	1266.686	0.00241	3	1	29	0
P12163_2_S5,6300	R.VEHVDHAR.Q ! R.VEH	1266.686	0.00362	2	1	32.7	0
P12163_1_F3,14594	R.VFEYEGSPR.K	1387.716	0.004	3	1	28.1	0
P12163_1_F5,15016	R.YEQLYQQNGVK.F	1978.085	0.00335	2	1	53.4	0
P12163_2_F1,15369	R.YEQLYQQNGVK.F	1978.085	0.01197	2	1	62.5	0
P12163_2_F8_12070	R.YEQLYQQNGVK.F	1978.085	0.00991	3	1	42.6	0
P12163_1_F2,18413	K.DIVDAALDECAK.S	1928.025	0.00678	2	1	33.6	0
P12163_1_F2,18540	K.DIVDAALDECAK.S	1928.025	0.00253	3	1	31.5	0
P12163_1_S1,17742	K.DIVDAALDECAK.S	1928.025	0.00692	2	1	53.1	0
P12163_2_F4,17262	K.DIVDAALDECAK.S	1928.025	0.00715	3	1	40.6	0
P12163_1_S1,16335	K.GGITNICYNCLDR.N	1859.905	0.01634	2	1	23.9	0
P12163_1_F3,17867	K.GVEIEGECGYLCIK.S	2322.193	0.0052	3	1	39.7	0
P12163_1_F3,19374	K.GVEIEGECGYLCIK.S	2322.193	0.00535	3	1	61.4	0
P12163_2_F4,15735	K.GVLHTTGGMVHTA1	2529.374	0.00235	4	1	34.5	0
P12163_2_F4,15743	K.GVLHTTGGMVHTA1	2529.374	0.00287	3	1	35.3	0
P12163_1_S1,22304	K.VTIFYTAPTLVR.S	1684.994	0.00537	3	1	33.6	0
P12163_2_F6,23165	K.VTIFYTAPTLVR.S	1684.994	0.00274	2	1	26.6	0
P12163_2_F1,14368	K.VVITSNAVK.R	1538.973	0.00308	3	1	26.6	0
P12163_2_F1,14398	K.VVITSNAVK.R	1538.973	0.00721	2	1	45.4	0
P12163_2_S5,12899	K.VVITSNAVK.R	1538.973	0.00263	3	1	45.7	0
P12163_1_S10,1766	K.YLEMYK.R	1454.817	0.00705	2	1	25.2	0
P12163_1_F3,8447	R.DGNEYVTR.Y	1257.638	0.00275	3	1	33.8	0
P12163_1_F3,23599	R.DIWWQDVVPK.Y	1894.068	0.00429	3	1	35.3	0
P12163_1_F3,23605	R.DIWWQDVVPK.Y	1894.068	0.00644	2	1	47	0
P12163_1_F4,24337	R.DIWWQDVVPK.Y	1894.068	0.01464	2	1	42.1	0
P12163_1_F4,24397	R.DIWWQDVVPK.Y	1894.068	0.00642	3	1	37.3	0
P12163_1_F6,22121	R.IGAVHSVVFAGFSSES1	2366.277	0.00237	3	1	39.1	0
P12163_1_F7,21302	R.IGAVHSVVFAGFSSES1	2366.277	0.00591	3	1	34.4	0

P12163_1_F4,14702	R.NIEAGLGDK.V	1524.884	0.00519	2	1	27.1	0
P12163_1_F5,13352	R.NIEAGLGDK.V	1524.884	0.00873	2	1	30.6	0
P12163_1_F6,14210	R.NIEAGLGDK.V	1524.884	0.00507	3	1	27.1	0
P12163_1_F7,12950	R.NIEAGLGDK.V	1524.884	0.0027	3	1	28.2	0
P12163_2_F1,13680	R.NIEAGLGDK.V	1524.884	0.00499	2	1	32	0
P12163_2_F1,13694	R.NIEAGLGDK.V	1524.884	0.00576	3	1	35.3	0
P12163_2_S5,12727	R.NIEAGLGDK.V	1524.884	0.00078	3	1	24.7	0
P12163_2_F1,13784	R.QALVPSPQK.Y	1575.968	0.00619	3	1	22.1	0
P12163_2_F2,3098	R.QALVPSPQK.Y	1575.968	0.00364	3	1	22.2	0
P12163_1_F5,16999	R.SWDIVDK.Y	1470.841	0.01383	2	1	26.2	0
P12163_2_F1,17534	R.SWDIVDK.Y	1470.841	0.00621	2	1	27.4	0
P12163_1_F5,5549	R.TLYGDHER.Y	1294.669	0.00154	3	1	34.7	0
P12163_1_F9,6241	R.TLYGDHER.Y	1294.669	0.00142	3	1	25.9	0
P12163_2_F9,7091	R.TLYGDHER.Y	1294.669	0.00259	3	1	30.3	0
P12163_2_F9,8981	R.TLYGDHER.Y	1294.669	0.00375	2	1	30.5	0
P12163_2_S5,6962	R.TLYGDHER.Y	1294.669	0.0046	3	1	22.7	0
P12163_2_S5,8970	R.TLYGDHER.Y	1294.669	0.00322	3	1	24.6	0
P12163_1_F2,12704	R.VCSENLDVR.K	1395.72	0.00299	2	1	32.6	0
P12163_1_F3,10990	R.VCSENLDVR.K	1395.72	0.0042	3	1	31.8	0
P12163_1_F3,13091	R.VCSENLDVR.K	1395.72	0.00427	2	1	42.3	0
P12163_2_F4,12021	R.VCSENLDVR.K	1395.72	0.00113	2	1	30.5	0
P12163_1_F6,15455	R.VDDVINVSCHR.I	1514.823	0.00388	2	1	39.7	0
P12163_1_F6,15462	R.VDDVINVSCHR.I	1514.823	0.00248	3	1	54.1	0
P12163_1_F8,15350	R.VDDVINVSCHR.I	1514.823	0.00353	3	1	51.5	0
P12163_1_F8,15374	R.VDDVINVSCHR.I	1514.823	0.00412	2	1	32.6	0
P12163_2_F4,13734	R.VDDVINVSCHR.I	1514.823	0.00437	3	1	23	0
P12163_2_F6,14784	R.VDDVINVSCHR.I	1514.823	0.00268	2	1	33.5	0
P12163_2_F6,14795	R.VDDVINVSCHR.I	1514.823	0.00221	3	1	53.4	0
P12163_2_F6,20921	R.VDDVINVSCHR.I	1514.823	0.0017	3	1	52.8	0
P12163_2_F6,21181	R.VDDVINVSCHR.I	1514.823	0.0035	3	1	22.9	0
P12163_2_F6,21408	R.VDDVINVSCHR.I	1514.823	0.00218	3	1	22.4	0
P12163_1_S1,21008	R.VLGSVGEPIPSAWR.V	1886.044	0.00383	3	1	50.2	0
P12163_1_S1,21018	R.VLGSVGEPIPSAWR.V	1886.044	0.00465	2	1	32.5	0
P12163_1_F7,21145	R.YETTYFKPFGYYFTG	3164.528	-0.00099	3	1	40.3	0
P12163_2_S5,16606	K.AIVGANAFAHESGIHQ	2774.487	0.00662	4	1	60.5	0
P12163_2_S5,16622	K.AIVGANAFAHESGIHQ	2774.487	0.0025	3	1	51.6	0
P12163_1_F4,19502	K.AVDLIVK.E	1365.893	0.00566	3	1	34.5	0
P12163_1_F7,17250	K.AVDLIVK.E	1365.893	-0.00001	3	1	26.4	0
P12163_2_F1,18798	K.AVDLIVK.E	1365.893	0.0056	3	1	34.4	0
P12163_2_F1,18804	K.AVDLIVK.E	1365.893	0.00507	2	1	33	0
P12163_2_S5,16263	K.AVDLIVK.E	1365.893	0.00014	3	1	24.3	0
P12163_1_S10,1554	K.AYIGALNK.M	1457.894	0.00327	3	1	38.6	0
P12163_2_F10,1455	K.AYIGALNK.M	1457.894	0.00675	3	1	33.5	0
P12163_1_F2,12775	K.EDFEAVR.T	1169.61	0.00216	2	1	29.8	0
P12163_1_F8,21394	K.GTYEIIISPEDIGLER.S	1996.054	-0.00388	2	1	27.5	0
P12163_1_S1,21625	K.LGVDIIEAGFPAASK.E	2096.221	0.00622	3	1	45.2	0
P12163_1_S1,21880	K.LGVDIIEAGFPAASK.E	2096.221	0.0064	3	1	48.8	0
P12163_1_S1,22495	K.LGVDIIEAGFPAASK.E	2096.221	0.00658	3	1	37.8	0
P12163_1_S1,22527	K.LGVDIIEAGFPAASK.E	2096.221	0.00572	4	1	33.3	0
P12163_1_S1,22577	K.LGVDIIEAGFPAASK.E	2096.221	0.00054	2	1	61	0
P12163_1_S1,22710	K.LGVDIIEAGFPAASK.E	2096.221	0.00628	3	1	50.5	0

P12163_1_S1,20041	K.LLDM*QVTCGLGLS1	2632.451	0.00051	3	1	64.4	0
P12163_1_F6,14422	K.LM*DANGEEHVACST	3133.503	0.00831	3	1	32.2	0
P12163_2_S5,13493	K.LM*DANGEEHVACST	3133.503	0.00037	4	1	25.9	0
P12163_2_S5,14876	K.LMDANGEEHVACSTG	3117.508	0.00649	4	1	46.1	0
P12163_2_S5,13382	K.M*VEEYTGHLHVQPHK	2292.227	0.00454	4	1	26.9	0
P12163_1_F5,15917	K.MVEEYTGHLHVQPHK./	2276.232	0.00071	4	1	29.5	0
P12163_1_F5,15926	K.MVEEYTGHLHVQPHK./	2276.232	0.01351	3	1	23.3	0
P12163_1_F8,16266	K.MVEEYTGHLHVQPHK./	2276.232	0.00535	4	1	27.3	0
P12163_2_S5,15560	K.MVEEYTGHLHVQPHK./	2276.232	0.00567	4	1	51.2	0
P12163_1_F5,14521	K.TAWEAVK.Y	1412.836	0.00871	2	1	24	0
P12163_2_F2,12215	K.TAWEAVK.Y	1412.836	0.00385	3	1	28.4	0
P12163_1_F3,24305	R.AGNASLEEVVM*AFK.	2090.141	0.00806	3	1	50.5	0
P12163_1_F3,25663	R.AGNASLEEVVM*AFK.	2090.141	0.00233	3	1	47.3	0
P12163_1_F4,26552	R.AGNASLEEVVM*AFK.	2090.141	0.00734	3	1	35.6	0
P12163_1_F3,25647	R.AGNASLEEVVMAFK.C	2074.146	0.00269	3	1	38.7	0
P12163_1_F3,25674	R.AGNASLEEVVMAFK.C	2074.146	0.00337	2	1	48.6	0
P12163_1_F3,10788	R.DGEQSPGATLTSK.E	1899.028	0.00355	3	1	26.3	0
P12163_1_F3,11979	R.DGEQSPGATLTSK.E	1899.028	0.00586	3	1	28.1	0
P12163_1_F7,17659	R.GEHILGGLYTGINTR.H	1905.05	0.002	3	1	33.3	0
P12163_1_F8,18452	R.GEHILGGLYTGINTR.H	1905.05	-0.00007	3	1	27.4	0
P12163_2_F6,17966	R.GEHILGGLYTGINTR.H	1905.05	0.00406	2	1	32.4	0
P12163_2_F6,18015	R.GEHILGGLYTGINTR.H	1905.05	0.00617	3	1	46.7	0
P12163_1_F9,9130	R.HIVM*ASK.M	1409.839	0.00732	3	1	32.4	0
P12163_1_F9,11326	R.HIVM*ASK.M	1409.839	0.00444	3	1	25	0
P12163_2_F9,8920	R.HIVM*ASK.M	1409.839	0.00603	3	1	26.3	0
P12163_1_F9,11282	R.HIVMASK.M	1393.845	0.00663	3	1	29.3	0
P12163_2_F4,10354	R.HIVMASK.M	1393.845	0.00579	3	1	31.8	0
P12163_2_F8_12070	R.HIVMASK.M	1393.845	0.00927	3	1	30.9	0
P12163_2_F9,10568	R.HIVMASK.M	1393.845	0.00537	3	1	39.3	0
P12163_2_F4,15608	R.IHTFIATSGIHMEHK.L	2330.29	0.00669	4	1	25.4	0
P12163_2_F4,15621	R.IHTFIATSGIHMEHK.L	2330.29	0.0039	5	1	29.5	0
P12163_1_S1,16298	R.QVEVTINGIGER.A	1618.907	0.00425	2	1	36	0
P12163_1_F4,16381	R.SSEAGIVL GK.L	1568.947	-0.00196	3	1	26.1	0
P12163_1_F4,16392	R.SSEAGIVL GK.L	1568.947	0.0032	2	1	31.7	0
P12163_2_F1,15578	R.SSEAGIVL GK.L	1568.947	0.00404	3	1	31.6	0
P12163_2_F1,15591	R.SSEAGIVL GK.L	1568.947	-0.00494	2	1	33.8	0
P12163_1_F2,14899	R.VFDTTLR.D	1155.668	0.0009	3	1	28.1	0
P12163_1_F3,15545	R.VFDTTLR.D	1155.668	0.00432	3	1	24.2	0
P12163_2_F1,8752	K.CLGGPER.T	1092.577	0.00025	2	1	26.4	0
P12163_1_F4,11696	K.DALAEGDK.I	1426.8	0.00534	3	1	28.1	0
P12163_2_F1,10812	K.DALAEGDK.I	1426.8	0.00825	3	1	25.2	0
P12163_1_S1,17185	K.FEDPAEGEPALVAK.F	2081.137	0.00798	3	1	51.5	0
P12163_1_S1,17229	K.FEDPAEGEPALVAK.F	2081.137	0.00945	2	1	50.1	0
P12163_1_F5,14240	K.ITLETAK.L	1383.867	0.00527	2	1	26.2	0
P12163_2_F1,14407	K.ITLETAK.L	1383.867	-0.00043	2	1	26.1	0
P12163_1_F4,19873	K.ITYT LIK.H	1459.934	0.00204	2	1	30.5	0
P12163_1_F4,19884	K.ITYT LIK.H	1459.934	0.00868	3	1	25.4	0
P12163_1_F4,20074	K.ITYT LIK.H	1459.934	0.0029	2	1	27	0
P12163_1_F4,20188	K.ITYT LIK.H	1459.934	0.00916	3	1	23.7	0
P12163_1_F9,18844	K.ITYT LIK.H	1459.934	0.00415	3	1	28.9	0
P12163_2_F1,19275	K.ITYT LIK.H	1459.934	-0.00204	2	1	27	0

P12163_2_F1,19299	K.ITYTLIK.H	1459.934	0.00187	3	1	26.8	0
P12163_2_F9,17323	K.ITYTLIK.H	1459.934	0.00262	3	1	29.3	0
P12163_2_F9,17334	K.ITYTLIK.H	1459.934	0.00506	2	1	25.8	0
P12163_2_F6,14399	K.KLHEDLTAGFR.A	1895.096	0.0041	4	1	31.8	0
P12163_1_S1,14237	K.LAADTPLLGTQR.V	1559.906	0.00316	3	1	36.6	0
P12163_1_S1,14261	K.LAADTPLLGTQR.V	1559.906	0.00258	2	1	29.6	0
P12163_1_S1,17352	K.LAADTPLLGTQR.V	1559.906	0.004	3	1	45.2	0
P12163_1_S1,18017	K.LAADTPLLGTQR.V	1559.906	0.00542	2	1	37.9	0
P12163_1_F9,16216	K.LHEDLTAGFR.A	1462.796	0.00397	3	1	30.5	0
P12163_2_F6,15864	K.LHEDLTAGFR.A	1462.796	0.00205	3	1	35.6	0
P12163_2_F7,14635	K.LHEDLTAGFR.A	1462.796	-0.00983	3	1	29.6	0
P12163_1_F4,13436	K.TVISQALSK.Y	1554.967	0.00723	3	1	25.8	0
P12163_1_F3,18129	K.VTYVAPAGQYSLK.D	2005.158	0.00428	2	1	45.9	0
P12163_1_F3,18159	K.VTYVAPAGQYSLK.D	2005.158	0.00595	3	1	64.4	0
P12163_2_F6,17237	K.VTYVAPAGQYSLK.D	2005.158	0.00262	2	1	25.4	0
P12163_2_F6,17259	K.VTYVAPAGQYSLK.D	2005.158	-0.00143	3	1	51.2	0
P12163_1_S1,14093	K.YSNSDTVYVVGCGER	2009.954	0.00495	2	1	63	0
P12163_1_S1,14104	K.YSNSDTVYVVGCGER	2009.954	0.01812	3	1	45.3	0
P12163_2_F6,14148	K.YSNSDTVYVVGCGER	2009.954	0.00411	2	1	47.5	0
P12163_2_F7,13408	K.YSNSDTVYVVGCGER	2009.954	0.00189	2	1	53.5	0
P12163_1_S1,23275	R.EDDLNEIVQLVGK.D	2080.175	0.00996	3	1	43.4	0
P12163_1_S1,23515	R.EDDLNEIVQLVGK.D	2080.175	0.00877	3	1	35.4	0
P12163_1_S1,23732	R.EDDLNEIVQLVGK.D	2080.175	0.02236	3	1	29.8	0
P12163_1_F2,18073	R.EDYLAQNAFTPYDK.F	2283.175	0.00902	3	1	28.7	0
P12163_1_F2,19238	R.EDYLAQNAFTPYDK.F	2283.175	0.00665	2	1	69.1	0
P12163_1_F2,19240	R.EDYLAQNAFTPYDK.F	2283.175	0.00737	3	1	46.3	0
P12163_1_F8,20773	R.LAEMPADSGYPAYLA.	2100.074	0.00407	2	1	46.8	0
P12163_2_S5,19113	R.LAEMPADSGYPAYLA.	2100.074	0.00353	3	1	43.1	0
P12163_2_S5,19128	R.LAEMPADSGYPAYLA.	2100.074	0.00187	2	1	28	0
P12163_1_S10,1833	R.LASFYER.A	1189.652	0.00488	2	1	26.5	0
P12163_1_F7,19790	R.NIIHFYNLANQAVEK.C	2382.339	0.00088	3	1	32.9	0
P12163_1_F8,20756	R.NIIHFYNLANQAVEK.C	2382.339	0.00601	3	1	33.2	0
P12163_1_F8,20774	R.NIIHFYNLANQAVEK.C	2382.339	0.00751	4	1	26.4	0
P12163_2_F6,20351	R.NIIHFYNLANQAVEK.C	2382.339	-0.00836	3	1	35	0
P12163_1_S1,15097	R.TTLVANTSMPVAAR.	1850.011	0.00435	2	1	37	0
P12163_1_F8,20014	R.VGHDNLIGEIR.L	1639.943	0.00238	3	1	28.5	0
P12163_1_F8,20040	R.VGHDNLIGEIR.L	1639.943	0.00296	2	1	34	0
P12163_1_F9,19542	R.VGHDNLIGEIR.L	1639.943	0.00745	3	1	38.4	0
P12163_2_F6,19484	R.VGHDNLIGEIR.L	1639.943	0.00013	3	1	47.6	0
P12163_2_F6,19485	R.VGHDNLIGEIR.L	1639.943	0.00372	2	1	29	0
P12163_2_F8_12070	R.VGHDNLIGEIR.L	1639.943	-0.00143	3	1	22.1	0
P12163_2_S5,9042	K.AEDHLSK.L	1407.805	0.00517	3	1	27.2	0
P12163_2_S5,9069	K.AEDHLSK.L	1407.805	0.00493	2	1	24.4	0
P12163_2_F9,12857	K.DREEIAEIEK.M	1840.027	0.0038	2	1	35.5	0
P12163_1_S1,20246	K.EELVDAAFNER.F	1596.817	0.00143	3	1	48.2	0
P12163_1_S1,20497	K.EELVDAAFNER.F	1596.817	0.00209	3	1	54.4	0
P12163_1_F9,15540	K.GHLLMLNDR.I	1372.767	0.00434	3	1	30.7	0
P12163_2_F9,14604	K.GHLLMLNDR.I	1372.767	0.00104	3	1	27.6	0
P12163_2_F6,17051	K.M*GITQCTIAHALEK.T	2197.193	0.01553	3	1	34.3	0
P12163_2_F6,19349	K.M*GITQCTIAHALEK.T	2197.193	0.00989	3	1	33.7	0
P12163_1_F8,19789	K.MGITQCTIAHALEK.T	2181.198	0.0101	3	1	45.7	0

P12163_1_F8,19791	K.MGITQCTIAHALEK.T	2181.198	0.00595	4	1	29.7	0
P12163_2_F6,19319	K.MGITQCTIAHALEK.T	2181.198	0.00992	3	1	40.9	0
P12163_1_S10,1403	K.MHELMK.T	1396.79	0.00929	3	1	28	0
P12163_1_F4,14605	K.NM*TGLVECYGK.N	1895.982	0.01075	3	1	27.1	0
P12163_2_F1,13586	K.NM*TGLVECYGK.N	1895.982	0.00414	2	1	29.9	0
P12163_1_F4,18132	K.NMTGLVECYGK.N	1879.987	-0.0016	2	1	28.8	0
P12163_1_F4,18146	K.NMTGLVECYGK.N	1879.987	0.00613	3	1	40.8	0
P12163_2_S5,19151	K.NTVGQYESHTAFTLPC	2458.267	0.00118	3	1	46.6	0
P12163_2_F7,10483	K.SVPLASENQH.-	1385.733	0.00336	2	1	24.7	0
P12163_1_F4,19184	R.DGPFSEVIK.S	1599.92	0.00661	3	1	26.2	0
P12163_2_F1,18431	R.DGPFSEVIK.S	1599.92	0.0069	2	1	25.1	0
P12163_1_F5,12812	R.LQSSLSK.A	1370.846	0.00835	3	1	24	0
P12163_1_F2,22214	R.NELVLLSR.Y	1334.794	0.00322	2	1	34.2	0
P12163_2_F1,22950	R.NELVLLSR.Y	1334.794	0.00308	2	1	31.5	0
P12163_1_F5,13393	R.QGLDISPK.I	1465.883	0.00912	2	1	28.7	0
P12163_2_F1,13747	R.QGLDISPK.I	1465.883	0.004	3	1	25.9	0
P12163_1_F3,17842	R.SSSINGVQFLNR.H	1682.913	-0.00074	2	1	42.1	0
P12163_1_F6,13011	R.VEDTLVHR.N	1359.753	0.00272	3	1	51.5	0
P12163_2_F6,12356	R.VEDTLVHR.N	1359.753	0.00485	3	1	40.6	0
P12163_2_F7,11818	R.VEDTLVHR.N	1359.753	0.00314	3	1	39.3	0
P12163_2_S3,9061	R.VSGTEHTHILR.V	1553.87	0.00625	3	1	58.2	0
P12163_1_F8,18653	R.VVHGIDVFDPK.F	1834.068	0.00211	2	1	51.7	0
P12163_2_F6,18164	R.VVHGIDVFDPK.F	1834.068	-0.00249	2	1	46.8	0
P12163_2_F6,18174	R.VVHGIDVFDPK.F	1834.068	0.00542	3	1	40.2	0
P12163_2_F6,18448	R.VVHGIDVFDPK.F	1834.068	0.00617	3	1	22.2	0
P12163_1_S10,1269	R.YIADTK.G	1318.783	0.00708	3	1	25.4	0
P12163_1_F2,18151	K.EFEMALQDR.V	1442.725	0.0036	2	1	31.9	0
P12163_2_F7,14860	K.FDHIDIAEK.Q	1695.953	0.00281	3	1	23.5	0
P12163_1_F9,15388	K.ILGHSFDR.S	1248.7	0.00419	3	1	39	0
P12163_1_S10,1568	K.ILGHSFDR.S	1248.7	0.00209	3	1	27.2	0
P12163_2_F9,14607	K.ILGHSFDR.S	1248.7	0.00593	3	1	23.4	0
P12163_1_F2,19756	K.NAVEAYVYDM*R.N	1650.81	0.00228	3	1	52.9	0
P12163_1_F2,19806	K.NAVEAYVYDM*R.N	1650.81	0.00311	2	1	35.6	0
P12163_1_F5,11463	K.NSISQIK.R	1397.857	0.00847	3	1	26.5	0
P12163_1_F3,9293	K.QGDPIEER.Y	1247.653	0.00142	2	1	39.2	0
P12163_1_F8,19698	K.RDEFEQISAPILER.V	2007.081	0.00341	2	1	38.2	0
P12163_1_F6,22271	K.SLPFAVTEGPDGYPLIH	2344.26	-0.00045	3	1	61.7	0
P12163_1_F7,21420	K.SLPFAVTEGPDGYPLIH	2344.26	0.00387	3	1	44.5	0
P12163_2_F10,1970	K.SLPFAVTEGPDGYPLIH	2344.26	-0.00267	3	1	40.7	0
P12163_2_F10,1988	K.SLPFAVTEGPDGYPLIH	2344.26	0.00153	3	1	26.5	0
P12163_1_S1,20597	K.VLSANPEAPLNIECLM	2781.462	0.00862	3	1	45.4	0
P12163_1_F9,16045	K.YQDFVTDSEER.E	1563.759	0.00453	2	1	26	0
P12163_1_S1,16175	K.YQDFVTDSEER.E	1563.759	0.00291	2	1	28.1	0
P12163_1_F7,20662	R.AVIDAATIAGLHPLR.L	1822.085	0.00261	3	1	87.9	0
P12163_1_F7,20677	R.AVIDAATIAGLHPLR.L	1822.085	0.00215	2	1	62.5	0
P12163_2_S5,19764	R.AVIDAATIAGLHPLR.L	1822.085	0.00267	3	1	63.4	0
P12163_2_S5,19981	R.AVIDAATIAGLHPLR.L	1822.085	0.00279	3	1	43.5	0
P12163_2_F6,22289	R.DFDEVLQHFQFAAK.F	2175.169	0.00597	3	1	42.3	0
P12163_2_F8_1207	R.DFDEVLQHFQFAAK.F	2175.169	-0.00137	4	1	22.6	0
P12163_2_F8_1207	R.DFDEVLQHFQFAAK.F	2175.169	0.00072	3	1	38.6	0
P12163_2_F1,11630	R.EAALSSDPK.F	1525.868	0.00694	2	1	26.6	0

P12163_1_F3,18301	R.ETPSIVCFGDK.Q	1860.999	0.00824	2	1	33.9	0
P12163_1_F3,18311	R.ETPSIVCFGDK.Q	1860.999	0.00608	3	1	28.3	0
P12163_1_F3,15069	R.FIGTAGAASSTMNPK.N	2061.126	0.00863	3	1	24	0
P12163_2_F1,17141	R.FIGTAGAASSTMNPK.N	2061.126	0.00872	3	1	51.6	0
P12163_1_F3,21755	R.GCALQCAILSPTFK.V	2174.192	0.00999	3	1	35.2	0
P12163_1_F4,22426	R.GCALQCAILSPTFK.V	2174.192	0.00984	3	1	26.3	0
P12163_1_F4,22493	R.GCALQCAILSPTFK.V	2174.192	0.00933	3	1	39	0
P12163_2_F1,21948	R.GCALQCAILSPTFK.V	2174.192	0.00729	3	1	41.9	0
P12163_1_F2,7649	R.TM*NASECVAR.G	1458.698	0.00667	3	1	25.7	0
P12163_2_F1,17054	R.VPAIHK.I	1248.85	0.0101	3	1	26.9	0
P12163_2_F7,9711	K.GVM*LTHK.N ! K.GVM	1409.839	0.00724	3	1	28.1	0
P12163_1_F9,12113	K.GVMLTHK.N ! K.GVM	1393.845	0.00432	2	1	28.3	0
P12163_1_F4,18023	K.IQSAIGISK.A	1524.957	0.00776	3	1	45.5	0
P12163_1_S1,14682	K.IVDAETNEVLPAGSK.C	2151.212	0.00775	4	1	30.2	0
P12163_1_S1,15685	K.IVDAETNEVLPAGSK.C	2151.212	0.00612	3	1	59.8	0
P12163_1_S1,16442	K.IVDAETNEVLPAGSK.C	2151.212	0.00581	3	1	46.1	0
P12163_1_S1,16471	K.IVDAETNEVLPAGSK.C	2151.212	0.0033	2	1	29.3	0
P12163_1_F2,18268	K.LSLFSDNSCR.W	1502.757	0.00332	3	1	22.3	0
P12163_1_F9,13609	K.NLLHQIR.S	1197.737	0.00215	3	1	38.5	0
P12163_2_F8_12070	K.NLLHQIR.S	1197.737	0.00197	3	1	29.7	0
P12163_1_F3,11402	K.QIFTSSAAR.R	1284.721	0.00256	3	1	30.8	0
P12163_1_F2,19177	K.TISLLYGELR.K	1468.868	0.00519	3	1	34.1	0
P12163_1_F8,19338	K.VQVGYGLTESSPVIAA	2051.144	-0.00146	2	1	43.6	0
P12163_1_F7,17419	K.YGDSIAVIDPYHDPPSF	2482.307	-0.0005	3	1	42.8	0
P12163_1_S10,1738	K.YGDSIAVIDPYHDPPSF	2482.307	0.00657	4	1	28.8	0
P12163_1_F3,19120	R.ACGYFIFSR.G	1424.73	0.00502	3	1	31.5	0
P12163_1_F2,16853	R.CGGVLVLEGR.A	1363.767	0.00248	2	1	40.9	0
P12163_1_S1,20444	R.GIELMYTAVR.N	1456.813	0.00399	2	1	27	0
P12163_1_S1,20476	R.GIELMYTAVR.N	1456.813	0.00619	3	1	55.5	0
P12163_1_F5,15837	R.IAETLCSK.A	1529.882	0.01023	2	1	35.9	0
P12163_1_F5,15856	R.IAETLCSK.A	1529.882	0.00595	3	1	28.3	0
P12163_2_F1,16239	R.IAETLCSK.A	1529.882	0.00575	2	1	37.5	0
P12163_1_F4,23576	R.ISFAYTAFK.R	1655.962	0.00738	3	1	30.6	0
P12163_1_F4,23593	R.ISFAYTAFK.R	1655.962	0.00268	2	1	41.9	0
P12163_1_F5,22112	R.ISFAYTAFK.R	1655.962	0.00402	3	1	27.4	0
P12163_2_F9,20108	R.ISFAYTAFK.R	1655.962	0.00552	3	1	30.3	0
P12163_1_F2,18427	R.IYEGFCLTR.N	1462.767	-0.00285	3	1	22	0
P12163_1_F3,18974	R.IYEGFCLTR.N	1462.767	0.0018	3	1	25.8	0
P12163_1_F7,17303	R.LSIVHADASELSK.E	1978.143	0.0031	3	1	38.5	0
P12163_1_F8,18140	R.LSIVHADASELSK.E	1978.143	0.0061	3	1	43.3	0
P12163_1_S1,13828	R.QIVVIGQDQR.R	1459.853	-0.00129	3	1	76.9	0
P12163_1_S1,13852	R.QIVVIGQDQR.R	1459.853	0.00148	2	1	43.9	0
P12163_1_F2,18549	R.SLYDIVPAENGDK.F	2029.106	0.00097	2	1	30.6	0
P12163_1_F2,18561	R.SLYDIVPAENGDK.F	2029.106	0.01258	3	1	28	0
P12163_1_S1,7648	K.AGSTDDVNVER.D	1466.739	0.00384	3	1	24.1	0
P12163_1_S1,7858	K.AGSTDDVNVER.D	1466.739	0.00225	3	1	47	0
P12163_1_F5,11863	K.AQMNALK.A	1383.824	0.00885	2	1	24.3	0
P12163_2_F2,12705	K.AQMNALK.A	1383.824	0.00387	3	1	22.2	0
P12163_1_F2,15116	K.ATMALSLEEAR.L	1437.804	0.00511	3	1	59.6	0
P12163_1_F4,11939	K.EAEVEAEK.S	1512.837	0.01332	2	1	36.2	0
P12163_1_F5,10575	K.EAEVEAEK.S	1512.837	0.00462	3	1	24.9	0

P12163_1_F5,10612	K.EAEVEAEK.S	1512.837	0.01006	2	1	37.1	0
P12163_2_F1,11071	K.EAEVEAEK.S	1512.837	0.0061	2	1	39.4	0
P12163_1_S1,13479	K.ECQANLANCETELR.R	2011.948	0.00395	3	1	62.1	0
P12163_1_F2,21478	K.ELEVAQLNSTM*FEEK	2392.253	0.00862	3	1	48.1	0
P12163_1_F3,27887	K.GGVGFQAIAEALGVA.	2266.338	0.00631	3	1	30.9	0
P12163_1_S1,24613	K.LPASEIAATINEFR.T	1836.017	0.00428	3	1	35.5	0
P12163_1_S1,24792	K.LPASEIAATINEFR.T	1836.017	0.00242	3	1	44.7	0
P12163_1_S1,10384	K.QEDDYPEGSTEDDAK.	2307.072	0.00625	3	1	33.3	0
P12163_1_S1,11457	K.SLSNSSVDISER.I	1597.833	0.00288	3	1	39	0
P12163_1_S1,15050	R.ACAAAITLDTPGANYF	1969.011	0.00439	3	1	43.8	0
P12163_1_S1,16397	R.ACAAAITLDTPGANYF	1969.011	0.00423	2	1	38.2	0
P12163_1_S1,16413	R.ACAAAITLDTPGANYF	1969.011	0.00145	3	1	70.2	0
P12163_1_F6,13944	R.AHDIDHGLNLEK.A	1970.092	0.00869	3	1	38.9	0
P12163_2_F1,19955	R.ELLMNAMK.E	1557.895	0.00495	2	1	31.7	0
P12163_1_F9,9170	R.FEQHDVR.S	1234.648	0.00398	2	1	31	0
P12163_2_F9,9357	R.FEQHDVR.S	1234.648	0.00562	3	1	32.6	0
P12163_1_F4,5330	R.HVHGTK.A	1286.779	0.00537	3	1	28	0
P12163_1_F5,13309	R.LNEVAEK.A	1410.841	0.01105	2	1	29.3	0
P12163_1_F5,13353	R.LNEVAEK.A	1410.841	0.00812	3	1	26.4	0
P12163_2_F1,13698	R.LNEVAEK.A	1410.841	0.00758	3	1	23.9	0
P12163_2_F1,13725	R.LNEVAEK.A	1410.841	0.01059	2	1	29.9	0
P12163_2_F2,14100	R.LNEVAEK.A	1410.841	0.01055	2	1	24.9	0
P12163_1_F3,25494	R.LQVAIESLQDVK.Q	1951.168	0.00589	3	1	47.1	0
P12163_1_F3,25528	R.LQVAIESLQDVK.Q	1951.168	0.00042	2	1	52.3	0
P12163_2_F2,18418	R.TVWALSK.Y	1412.872	0.0043	3	1	25.4	0
P12163_2_F2,13698	K.CLVMNSK.L	1459.822	-0.00028	2	1	27.9	0
P12163_1_F3,11173	K.DTSVDVHVNSGNQGT	2346.159	-0.0036	3	1	22.8	0
P12163_1_F4,9471	K.DTSVDVHVNSGNQGT	2346.159	0.00408	3	1	46.6	0
P12163_1_F4,10232	K.DTSVDVHVNSGNQGT	2346.159	0.00186	3	1	36.3	0
P12163_1_F4,10250	K.DTSVDVHVNSGNQGT	2346.159	0.0018	4	1	31.5	0
P12163_1_F4,10269	K.DTSVDVHVNSGNQGT	2346.159	0.00189	2	1	55.9	0
P12163_1_F4,10548	K.DTSVDVHVNSGNQGT	2346.159	-0.00076	4	1	30.9	0
P12163_1_F4,10554	K.DTSVDVHVNSGNQGT	2346.159	0.00279	2	1	54.1	0
P12163_1_F4,11534	K.DTSVDVHVNSGNQGT	2346.159	0.00411	3	1	58.8	0
P12163_1_F4,11539	K.DTSVDVHVNSGNQGT	2346.159	0.00471	2	1	41.2	0
P12163_1_F4,11841	K.DTSVDVHVNSGNQGT	2346.159	0.00138	3	1	38.7	0
P12163_1_F4,23991	K.DTSVDVHVNSGNQGT	2346.159	0.00861	3	1	28.7	0
P12163_1_F4,24645	K.DTSVDVHVNSGNQGT	2346.159	0.0072	3	1	32.4	0
P12163_1_F5,10283	K.DTSVDVHVNSGNQGT	2346.159	-0.00009	2	1	89.4	0
P12163_1_F5,10288	K.DTSVDVHVNSGNQGT	2346.159	0.00333	3	1	63	0
P12163_1_F6,9180	K.DTSVDVHVNSGNQGT	2346.159	-0.00471	3	1	24.1	0
P12163_1_F6,9960	K.DTSVDVHVNSGNQGT	2346.159	0.0072	4	1	39.1	0
P12163_1_F6,11071	K.DTSVDVHVNSGNQGT	2346.159	0.00201	2	1	55.4	0
P12163_1_F6,11236	K.DTSVDVHVNSGNQGT	2346.159	0.00414	3	1	62.5	0
P12163_1_F7,8003	K.DTSVDVHVNSGNQGT	2346.159	0.00584	4	1	29.1	0
P12163_1_F7,8339	K.DTSVDVHVNSGNQGT	2346.159	0.00676	4	1	29.2	0
P12163_1_F7,8387	K.DTSVDVHVNSGNQGT	2346.159	0.00516	3	1	24.5	0
P12163_1_F7,8640	K.DTSVDVHVNSGNQGT	2346.159	0.00867	3	1	30.5	0
P12163_1_F7,8800	K.DTSVDVHVNSGNQGT	2346.159	0.00928	4	1	34.7	0
P12163_1_F7,8952	K.DTSVDVHVNSGNQGT	2346.159	0.0099	3	1	25.7	0
P12163_1_F7,9039	K.DTSVDVHVNSGNQGT	2346.159	0.01212	4	1	45.6	0

P12163_1_F7,9183	K.DTSVDVHVNSGNQGT	2346.159	0.0078	3	1	52.1	0
P12163_1_F7,9396	K.DTSVDVHVNSGNQGT	2346.159	0.00927	3	1	32.6	0
P12163_1_F7,9535	K.DTSVDVHVNSGNQGT	2346.159	0.00047	2	1	55	0
P12163_1_F7,9545	K.DTSVDVHVNSGNQGT	2346.159	0.00292	4	1	41.2	0
P12163_1_F7,9596	K.DTSVDVHVNSGNQGT	2346.159	0.00486	3	1	44.8	0
P12163_1_F7,10508	K.DTSVDVHVNSGNQGT	2346.159	0.00093	2	1	89.3	0
P12163_1_F7,10529	K.DTSVDVHVNSGNQGT	2346.159	0.00216	4	1	50.6	0
P12163_1_F7,10720	K.DTSVDVHVNSGNQGT	2346.159	0.00381	3	1	67.9	0
P12163_1_F7,10734	K.DTSVDVHVNSGNQGT	2346.159	0.00163	2	1	91.1	0
P12163_1_F7,11745	K.DTSVDVHVNSGNQGT	2346.159	0.00528	3	1	52.2	0
P12163_1_F7,11981	K.DTSVDVHVNSGNQGT	2346.159	0.00456	3	1	44.5	0
P12163_1_F7,12437	K.DTSVDVHVNSGNQGT	2346.159	0.00504	3	1	28.5	0
P12163_1_F7,12672	K.DTSVDVHVNSGNQGT	2346.159	0.01341	3	1	24.7	0
P12163_1_F7,12898	K.DTSVDVHVNSGNQGT	2346.159	0.003	3	1	31.2	0
P12163_1_F8,12	K.DTSVDVHVNSGNQGT	2346.159	0.00126	3	1	24.5	0
P12163_1_F8,393	K.DTSVDVHVNSGNQGT	2346.159	0.00198	3	1	46.6	0
P12163_1_F8,571	K.DTSVDVHVNSGNQGT	2346.159	0.00666	3	1	25.8	0
P12163_1_F8,748	K.DTSVDVHVNSGNQGT	2346.159	0.00243	3	1	48.3	0
P12163_1_F8,1953	K.DTSVDVHVNSGNQGT	2346.159	0.00294	3	1	23.2	0
P12163_1_F8,8555	K.DTSVDVHVNSGNQGT	2346.159	0.00752	4	1	25.7	0
P12163_1_F8,9813	K.DTSVDVHVNSGNQGT	2346.159	0.00047	2	1	27.9	0
P12163_1_F8,9852	K.DTSVDVHVNSGNQGT	2346.159	0.00252	3	1	50.3	0
P12163_1_F8,10883	K.DTSVDVHVNSGNQGT	2346.159	0.00309	3	1	50.1	0
P12163_1_F8,10885	K.DTSVDVHVNSGNQGT	2346.159	0.00357	2	1	38.3	0
P12163_1_F8,11124	K.DTSVDVHVNSGNQGT	2346.159	0.00342	3	1	65.6	0
P12163_1_F8,23676	K.DTSVDVHVNSGNQGT	2346.159	-0.00208	4	1	26.8	0
P12163_1_F8,24113	K.DTSVDVHVNSGNQGT	2346.159	0.001	4	1	24	0
P12163_1_F9,9225	K.DTSVDVHVNSGNQGT	2346.159	0.01164	4	1	27.6	0
P12163_1_F9,9477	K.DTSVDVHVNSGNQGT	2346.159	0.00876	3	1	49.3	0
P12163_1_F9,9500	K.DTSVDVHVNSGNQGT	2346.159	0.00288	4	1	25.7	0
P12163_1_F9,9948	K.DTSVDVHVNSGNQGT	2346.159	0.00453	3	1	30.3	0
P12163_1_F9,10534	K.DTSVDVHVNSGNQGT	2346.159	0.00138	3	1	53.3	0
P12163_1_F9,10543	K.DTSVDVHVNSGNQGT	2346.159	-0.00123	2	1	24.1	0
P12163_1_F9,11038	K.DTSVDVHVNSGNQGT	2346.159	-0.00165	2	1	80.9	0
P12163_1_F9,11099	K.DTSVDVHVNSGNQGT	2346.159	0.00168	3	1	55.6	0
P12163_1_S10,1034	K.DTSVDVHVNSGNQGT	2346.159	0.00324	3	1	35.5	0
P12163_1_S10,1144	K.DTSVDVHVNSGNQGT	2346.159	0.01011	3	1	63.3	0
P12163_2_F10,8374	K.DTSVDVHVNSGNQGT	2346.159	0.00096	4	1	24.5	0
P12163_2_F10,8570	K.DTSVDVHVNSGNQGT	2346.159	0.01396	4	1	31.9	0
P12163_2_F10,8775	K.DTSVDVHVNSGNQGT	2346.159	0.00988	4	1	37.4	0
P12163_2_F10,9216	K.DTSVDVHVNSGNQGT	2346.159	0.01344	4	1	37	0
P12163_2_F10,9617	K.DTSVDVHVNSGNQGT	2346.159	0.01124	4	1	40.9	0
P12163_2_F10,9620	K.DTSVDVHVNSGNQGT	2346.159	0.00888	3	1	51.9	0
P12163_2_F10,9633	K.DTSVDVHVNSGNQGT	2346.159	0.00103	2	1	68.1	0
P12163_2_F10,1042	K.DTSVDVHVNSGNQGT	2346.159	0.00969	2	1	79.1	0
P12163_2_F10,1047	K.DTSVDVHVNSGNQGT	2346.159	0.00168	4	1	56.8	0
P12163_2_F10,1061	K.DTSVDVHVNSGNQGT	2346.159	0.00233	2	1	104	0
P12163_2_F10,1064	K.DTSVDVHVNSGNQGT	2346.159	0.00432	3	1	72.2	0
P12163_2_F10,1241	K.DTSVDVHVNSGNQGT	2346.159	0.01332	3	1	43.9	0
P12163_2_F4,7577	K.DTSVDVHVNSGNQGT	2346.159	0.00267	3	1	37.6	0
P12163_2_F4,7596	K.DTSVDVHVNSGNQGT	2346.159	0.003	4	1	23.9	0

P12163_2_F4,7949	K.DTSVDVHVNSGNQGT	2346.159	0.00528	3	1	35	0
P12163_2_F4,8303	K.DTSVDVHVNSGNQGT	2346.159	-0.0087	3	1	31.5	0
P12163_2_F4,8355	K.DTSVDVHVNSGNQGT	2346.159	-0.00516	4	1	40.5	0
P12163_2_F4,8663	K.DTSVDVHVNSGNQGT	2346.159	0.001	4	1	35.5	0
P12163_2_F4,8691	K.DTSVDVHVNSGNQGT	2346.159	0.00157	2	1	25.3	0
P12163_2_F4,8788	K.DTSVDVHVNSGNQGT	2346.159	0.00759	3	1	32.5	0
P12163_2_F4,9020	K.DTSVDVHVNSGNQGT	2346.159	0.01077	3	1	43.8	0
P12163_2_F4,9106	K.DTSVDVHVNSGNQGT	2346.159	-0.00008	4	1	46.9	0
P12163_2_F4,9136	K.DTSVDVHVNSGNQGT	2346.159	-0.00117	2	1	25.4	0
P12163_2_F4,9267	K.DTSVDVHVNSGNQGT	2346.159	0.01026	3	1	55.8	0
P12163_2_F4,10139	K.DTSVDVHVNSGNQGT	2346.159	0.00519	3	1	66.8	0
P12163_2_F4,10279	K.DTSVDVHVNSGNQGT	2346.159	0.00261	2	1	95.3	0
P12163_2_F4,10349	K.DTSVDVHVNSGNQGT	2346.159	-0.00033	3	1	60.3	0
P12163_2_F6,9635	K.DTSVDVHVNSGNQGT	2346.159	0.0086	4	1	23.2	0
P12163_2_F6,9878	K.DTSVDVHVNSGNQGT	2346.159	0.00844	4	1	36.7	0
P12163_2_F6,9881	K.DTSVDVHVNSGNQGT	2346.159	0.01026	3	1	31.9	0
P12163_2_F6,10883	K.DTSVDVHVNSGNQGT	2346.159	0.0042	3	1	60.7	0
P12163_2_F7,8765	K.DTSVDVHVNSGNQGT	2346.159	0.00444	4	1	40.5	0
P12163_2_F7,8944	K.DTSVDVHVNSGNQGT	2346.159	0.00921	3	1	23.5	0
P12163_2_F7,9008	K.DTSVDVHVNSGNQGT	2346.159	0.00636	4	1	24.6	0
P12163_2_F7,9180	K.DTSVDVHVNSGNQGT	2346.159	0.00627	3	1	28	0
P12163_2_F7,9395	K.DTSVDVHVNSGNQGT	2346.159	0.00512	4	1	24.5	0
P12163_2_F7,9957	K.DTSVDVHVNSGNQGT	2346.159	-0.00033	3	1	31.3	0
P12163_2_F8_12070	K.DTSVDVHVNSGNQGT	2346.159	0.007	4	1	27.5	0
P12163_2_F9,10452	K.DTSVDVHVNSGNQGT	2346.159	0.00585	3	1	27.7	0
P12163_2_S5,8102	K.DTSVDVHVNSGNQGT	2346.159	0.00108	3	1	36.5	0
P12163_2_S5,8523	K.DTSVDVHVNSGNQGT	2346.159	0.00333	3	1	31.5	0
P12163_2_S5,8548	K.DTSVDVHVNSGNQGT	2346.159	0.00336	4	1	31.5	0
P12163_2_S5,8734	K.DTSVDVHVNSGNQGT	2346.159	0.00408	3	1	37.5	0
P12163_2_S5,8962	K.DTSVDVHVNSGNQGT	2346.159	0.01976	4	1	35.8	0
P12163_2_S5,8963	K.DTSVDVHVNSGNQGT	2346.159	0.01422	3	1	32.8	0
P12163_2_S5,9201	K.DTSVDVHVNSGNQGT	2346.159	0.01728	3	1	22.5	0
P12163_2_S5,9465	K.DTSVDVHVNSGNQGT	2346.159	0.0036	3	1	58.7	0
P12163_2_S5,9499	K.DTSVDVHVNSGNQGT	2346.159	0.003	4	1	43.6	0
P12163_2_S5,9590	K.DTSVDVHVNSGNQGT	2346.159	0.00861	2	1	56	0
P12163_2_S5,9673	K.DTSVDVHVNSGNQGT	2346.159	0.0024	3	1	67.4	0
P12163_2_S5,9715	K.DTSVDVHVNSGNQGT	2346.159	0.00992	4	1	39	0
P12163_2_S5,10427	K.DTSVDVHVNSGNQGT	2346.159	0.00364	4	1	37.9	0
P12163_2_S5,10595	K.DTSVDVHVNSGNQGT	2346.159	-0.00135	2	1	105	0
P12163_2_S5,10621	K.DTSVDVHVNSGNQGT	2346.159	0.00426	3	1	74.1	0
P12163_2_S5,11601	K.DTSVDVHVNSGNQGT	2346.159	-0.00069	3	1	29.8	0
P12163_2_S5,11833	K.DTSVDVHVNSGNQGT	2346.159	-0.00261	3	1	32	0
P12163_2_S5,12062	K.DTSVDVHVNSGNQGT	2346.159	0.0042	3	1	23.1	0
P12163_2_S5,12308	K.DTSVDVHVNSGNQGT	2346.159	0.00804	3	1	28.2	0
P12163_1_F5,9068	K.EEENEIK.M	1498.821	0.00656	2	1	25.4	0
P12163_1_F5,9087	K.EEENEIK.M	1498.821	0.00293	3	1	22.2	0
P12163_1_F5,9282	K.EEENEIK.M	1498.821	0.00782	2	1	28.4	0
P12163_1_F8,9390	K.EEENEIK.M	1498.821	0.00056	3	1	24.9	0
P12163_2_F1,9517	K.EEENEIK.M	1498.821	0.0029	3	1	33.2	0
P12163_2_F1,9523	K.EEENEIK.M	1498.821	0.00518	2	1	28.4	0
P12163_2_F1,9774	K.EEENEIK.M	1498.821	0.00832	2	1	28.6	0

P12163_2_F2,9997	K.EEENEIK.M	1498.821	0.00125	3	1	22.3	0
P12163_2_S5,9194	K.EEENEIK.M	1498.821	0.00239	3	1	25.9	0
P12163_2_S5,9913	K.EEENEIK.M	1498.821	0.00503	3	1	29.9	0
P12163_1_F3,20993	K.NGVLYISIPK.T	1712.057	-0.00064	2	1	41.8	0
P12163_1_F4,17576	K.NGVLYISIPK.T	1712.057	0.00734	3	1	25.4	0
P12163_1_F4,17608	K.NGVLYISIPK.T	1712.057	0.00486	2	1	24.8	0
P12163_1_F4,20522	K.NGVLYISIPK.T	1712.057	0.0066	2	1	36.5	0
P12163_1_F4,21663	K.NGVLYISIPK.T	1712.057	0.00548	3	1	40.4	0
P12163_1_F4,21669	K.NGVLYISIPK.T	1712.057	0.0068	2	1	39.2	0
P12163_1_F4,21858	K.NGVLYISIPK.T	1712.057	0.00248	2	1	50.5	0
P12163_1_F4,21916	K.NGVLYISIPK.T	1712.057	0.0005	3	1	40.3	0
P12163_1_F4,22063	K.NGVLYISIPK.T	1712.057	0.00438	2	1	45	0
P12163_1_F4,22122	K.NGVLYISIPK.T	1712.057	0.00431	3	1	37	0
P12163_1_F4,22305	K.NGVLYISIPK.T	1712.057	0.00766	2	1	37.9	0
P12163_1_F4,22651	K.NGVLYISIPK.T	1712.057	0.00842	3	1	28.3	0
P12163_1_F4,22905	K.NGVLYISIPK.T	1712.057	0.0026	3	1	34.4	0
P12163_1_F4,23490	K.NGVLYISIPK.T	1712.057	0.00732	2	1	31.7	0
P12163_1_F4,23816	K.NGVLYISIPK.T	1712.057	0.00498	2	1	46.8	0
P12163_1_F4,23839	K.NGVLYISIPK.T	1712.057	0.00656	3	1	25.4	0
P12163_1_F4,24058	K.NGVLYISIPK.T	1712.057	0.00588	2	1	39.9	0
P12163_1_F4,24084	K.NGVLYISIPK.T	1712.057	0.00725	3	1	29.5	0
P12163_1_F4,24308	K.NGVLYISIPK.T	1712.057	0.00318	2	1	33.6	0
P12163_1_F4,24372	K.NGVLYISIPK.T	1712.057	0.00797	3	1	31.9	0
P12163_1_F4,24599	K.NGVLYISIPK.T	1712.057	0.00774	2	1	29.3	0
P12163_1_F4,26328	K.NGVLYISIPK.T	1712.057	0.008	3	1	26.7	0
P12163_1_F4,26748	K.NGVLYISIPK.T	1712.057	-0.00256	3	1	30.1	0
P12163_1_F4,26965	K.NGVLYISIPK.T	1712.057	0.00554	3	1	30.9	0
P12163_1_F4,28723	K.NGVLYISIPK.T	1712.057	0.00812	3	1	22.6	0
P12163_1_F4,29617	K.NGVLYISIPK.T	1712.057	0.00812	3	1	21.9	0
P12163_1_F4,30049	K.NGVLYISIPK.T	1712.057	0.00743	3	1	27.8	0
P12163_1_F4,31636	K.NGVLYISIPK.T	1712.057	0.00542	3	1	31.4	0
P12163_1_F5,20321	K.NGVLYISIPK.T	1712.057	0.0186	2	1	34.9	0
P12163_1_F5,20358	K.NGVLYISIPK.T	1712.057	0.00554	3	1	27.9	0
P12163_1_F5,20661	K.NGVLYISIPK.T	1712.057	0.01536	2	1	36.9	0
P12163_1_F5,20681	K.NGVLYISIPK.T	1712.057	0.01049	3	1	26.5	0
P12163_1_F5,20923	K.NGVLYISIPK.T	1712.057	0.0105	2	1	35.1	0
P12163_1_F6,20145	K.NGVLYISIPK.T	1712.057	0.00178	2	1	47	0
P12163_1_F6,20146	K.NGVLYISIPK.T	1712.057	0.00077	3	1	28.8	0
P12163_1_F6,20446	K.NGVLYISIPK.T	1712.057	-0.00262	3	1	31.2	0
P12163_1_F6,20796	K.NGVLYISIPK.T	1712.057	0.00996	2	1	27.2	0
P12163_1_F7,19323	K.NGVLYISIPK.T	1712.057	0.00416	3	1	29.2	0
P12163_1_F7,19331	K.NGVLYISIPK.T	1712.057	0.00628	2	1	46	0
P12163_1_F7,19786	K.NGVLYISIPK.T	1712.057	0.00479	3	1	28.7	0
P12163_1_F8,20738	K.NGVLYISIPK.T	1712.057	0.01271	3	1	26.2	0
P12163_1_F8,20749	K.NGVLYISIPK.T	1712.057	0.00914	2	1	26.3	0
P12163_1_F9,20115	K.NGVLYISIPK.T	1712.057	0.00826	2	1	45.5	0
P12163_1_F9,20306	K.NGVLYISIPK.T	1712.057	0.00419	3	1	30.6	0
P12163_1_F9,20319	K.NGVLYISIPK.T	1712.057	0.00702	2	1	43.7	0
P12163_1_F9,20703	K.NGVLYISIPK.T	1712.057	0.01052	3	1	26.3	0
P12163_1_F9,20745	K.NGVLYISIPK.T	1712.057	0.01086	2	1	31.1	0
P12163_1_F9,21234	K.NGVLYISIPK.T	1712.057	0.01019	3	1	29.2	0

P12163_1_F9,21598 K.NGVLYISIPK.T	1712.057	0.00842	3	1	36.4	0
P12163_1_S10,1902 K.NGVLYISIPK.T	1712.057	0.00968	2	1	48.7	0
P12163_1_S10,1906 K.NGVLYISIPK.T	1712.057	0.00605	3	1	30.3	0
P12163_2_F1,16743 K.NGVLYISIPK.T	1712.057	0.00332	3	1	31.5	0
P12163_2_F1,19948 K.NGVLYISIPK.T	1712.057	0.0051	2	1	36	0
P12163_2_F1,21203 K.NGVLYISIPK.T	1712.057	0.00398	3	1	32.2	0
P12163_2_F1,21204 K.NGVLYISIPK.T	1712.057	0.00774	2	1	39.2	0
P12163_2_F1,21436 K.NGVLYISIPK.T	1712.057	0.00484	2	1	42.5	0
P12163_2_F1,21629 K.NGVLYISIPK.T	1712.057	0.00026	3	1	33.5	0
P12163_2_F1,21665 K.NGVLYISIPK.T	1712.057	0.00588	2	1	39.2	0
P12163_2_F1,21872 K.NGVLYISIPK.T	1712.057	0.00446	3	1	22	0
P12163_2_F1,22157 K.NGVLYISIPK.T	1712.057	0.01384	2	1	28	0
P12163_2_F1,22416 K.NGVLYISIPK.T	1712.057	0.00119	3	1	27.6	0
P12163_2_F1,22825 K.NGVLYISIPK.T	1712.057	0.00532	2	1	42.5	0
P12163_2_F1,23215 K.NGVLYISIPK.T	1712.057	0.01382	2	1	29.4	0
P12163_2_F1,23323 K.NGVLYISIPK.T	1712.057	0.00323	3	1	25.7	0
P12163_2_F1,23688 K.NGVLYISIPK.T	1712.057	0.00474	2	1	30.2	0
P12163_2_F1,23930 K.NGVLYISIPK.T	1712.057	0.00926	2	1	27	0
P12163_2_F1,24102 K.NGVLYISIPK.T	1712.057	0.00395	3	1	28.5	0
P12163_2_F1,24173 K.NGVLYISIPK.T	1712.057	0.0008	2	1	24.2	0
P12163_2_F1,24330 K.NGVLYISIPK.T	1712.057	0.002	3	1	24	0
P12163_2_F1,24553 K.NGVLYISIPK.T	1712.057	0.0002	3	1	23.1	0
P12163_2_F1,24986 K.NGVLYISIPK.T	1712.057	-0.0031	3	1	26.3	0
P12163_2_F1,26059 K.NGVLYISIPK.T	1712.057	0.00755	3	1	24.7	0
P12163_2_F1,26375 K.NGVLYISIPK.T	1712.057	0.00437	3	1	25	0
P12163_2_F1,26807 K.NGVLYISIPK.T	1712.057	0.00317	3	1	22.9	0
P12163_2_F1,27221 K.NGVLYISIPK.T	1712.057	0.00503	3	1	24.3	0
P12163_2_F1,27361 K.NGVLYISIPK.T	1712.057	0.00242	3	1	30.2	0
P12163_2_F1,27646 K.NGVLYISIPK.T	1712.057	0.00215	3	1	22.7	0
P12163_2_F10,1746 K.NGVLYISIPK.T	1712.057	0.00362	3	1	28.7	0
P12163_2_F10,1749 K.NGVLYISIPK.T	1712.057	0.0017	2	1	40.6	0
P12163_2_F10,1792 K.NGVLYISIPK.T	1712.057	0.01118	2	1	46.6	0
P12163_2_F10,1795 K.NGVLYISIPK.T	1712.057	0.01265	3	1	27.1	0
P12163_2_F2,20885 K.NGVLYISIPK.T	1712.057	0.0085	2	1	49.3	0
P12163_2_F4,18900 K.NGVLYISIPK.T	1712.057	-0.00304	3	1	22.5	0
P12163_2_F4,18909 K.NGVLYISIPK.T	1712.057	0.00252	2	1	50.8	0
P12163_2_F4,18976 K.NGVLYISIPK.T	1712.057	-0.00388	3	1	23.8	0
P12163_2_F4,19101 K.NGVLYISIPK.T	1712.057	0.00114	2	1	45.7	0
P12163_2_F4,19191 K.NGVLYISIPK.T	1712.057	-0.00166	3	1	36.3	0
P12163_2_F4,19312 K.NGVLYISIPK.T	1712.057	0.00568	2	1	39	0
P12163_2_F4,19402 K.NGVLYISIPK.T	1712.057	0.00692	3	1	28.3	0
P12163_2_F6,20340 K.NGVLYISIPK.T	1712.057	0.01361	3	1	24.1	0
P12163_2_F6,20360 K.NGVLYISIPK.T	1712.057	0.01182	2	1	29	0
P12163_2_F7,18379 K.NGVLYISIPK.T	1712.057	0.00176	3	1	24.1	0
P12163_2_F8_12070 K.NGVLYISIPK.T	1712.057	0.00654	2	1	47.3	0
P12163_2_F8_12070 K.NGVLYISIPK.T	1712.057	0.0056	3	1	36	0
P12163_2_F9,16989 K.NGVLYISIPK.T	1712.057	0.00677	3	1	27	0
P12163_2_F9,18442 K.NGVLYISIPK.T	1712.057	0.00368	3	1	22.4	0
P12163_2_F9,18447 K.NGVLYISIPK.T	1712.057	0.00628	2	1	47.7	0
P12163_2_F9,18470 K.NGVLYISIPK.T	1712.057	0.00349	4	1	36	0
P12163_2_F9,18642 K.NGVLYISIPK.T	1712.057	0.00606	2	1	48.6	0

P12163_2_F9,18657 K.NGVLYISIPK.T	1712.057	0.00554	3	1	36.1	0
P12163_2_F9,18859 K.NGVLYISIPK.T	1712.057	0.00522	2	1	46.3	0
P12163_2_F9,18873 K.NGVLYISIPK.T	1712.057	0.00413	3	1	29.7	0
P12163_2_F9,19294 K.NGVLYISIPK.T	1712.057	0.00338	3	1	25.8	0
P12163_2_F9,19501 K.NGVLYISIPK.T	1712.057	0.00959	3	1	30.2	0
P12163_2_F9,19714 K.NGVLYISIPK.T	1712.057	0.00251	3	1	28.9	0
P12163_2_F9,19934 K.NGVLYISIPK.T	1712.057	0.00617	3	1	27.4	0
P12163_2_F9,20599 K.NGVLYISIPK.T	1712.057	0.00305	3	1	30.6	0
P12163_2_F9,21134 K.NGVLYISIPK.T	1712.057	0.00659	3	1	27.1	0
P12163_2_S3,16897 K.NGVLYISIPK.T	1712.057	-0.00187	3	1	25.6	0
P12163_2_S5,18740 K.NGVLYISIPK.T	1712.057	0.00929	3	1	26.1	0
P12163_2_S5,18745 K.NGVLYISIPK.T	1712.057	0.00646	2	1	32.7	0
P12163_1_S1,23077 K.VIDVQIL.-	1103.698	0.00039	2	1	41.3	0
P12163_2_F8_12070 K.VIDVQIL.-	1103.698	0.00063	2	1	24.3	0
P12163_2_S3,19778 K.VIDVQIL.-	1103.698	0.00137	2	1	26.6	0
P12163_2_S5,21801 K.VIDVQIL.-	1103.698	0.00301	2	1	27.1	0
P12163_1_F2,17303 K.VSVEDEVLVIK.G	1838.109	0.00391	3	1	35.5	0
P12163_1_F2,19561 K.VSVEDEVLVIK.G	1838.109	0.00778	3	1	44.9	0
P12163_1_F2,20034 K.VSVEDEVLVIK.G	1838.109	0.0088	2	1	57.2	0
P12163_1_F2,20162 K.VSVEDEVLVIK.G	1838.109	-0.00707	3	1	29	0
P12163_1_F2,20722 K.VSVEDEVLVIK.G	1838.109	0.00385	3	1	32.9	0
P12163_1_F2,20742 K.VSVEDEVLVIK.G	1838.109	0.0046	2	1	60.5	0
P12163_1_F2,20951 K.VSVEDEVLVIK.G	1838.109	0.00643	3	1	45.3	0
P12163_1_F2,21004 K.VSVEDEVLVIK.G	1838.109	0.00294	2	1	30.2	0
P12163_1_F2,21174 K.VSVEDEVLVIK.G	1838.109	0.0037	3	1	45.3	0
P12163_1_F2,21263 K.VSVEDEVLVIK.G	1838.109	0.00184	2	1	51.3	0
P12163_1_F2,21417 K.VSVEDEVLVIK.G	1838.109	-0.0011	3	1	28.9	0
P12163_1_F3,17766 K.VSVEDEVLVIK.G	1838.109	0.01168	3	1	28.1	0
P12163_1_F3,17794 K.VSVEDEVLVIK.G	1838.109	0.0052	2	1	38.6	0
P12163_1_F3,17811 K.VSVEDEVLVIK.G	1838.109	0.00445	4	1	31.3	0
P12163_1_F3,20974 K.VSVEDEVLVIK.G	1838.109	0.01294	2	1	50.2	0
P12163_1_F3,20979 K.VSVEDEVLVIK.G	1838.109	0.01774	3	1	43.7	0
P12163_1_F3,21532 K.VSVEDEVLVIK.G	1838.109	0.00524	2	1	52.2	0
P12163_1_F3,21539 K.VSVEDEVLVIK.G	1838.109	0.0055	3	1	55.2	0
P12163_1_F3,21768 K.VSVEDEVLVIK.G	1838.109	0.00442	3	1	45.2	0
P12163_1_F3,21784 K.VSVEDEVLVIK.G	1838.109	0.00544	2	1	58.1	0
P12163_1_F3,21992 K.VSVEDEVLVIK.G	1838.109	0.00742	3	1	42.4	0
P12163_1_F3,22006 K.VSVEDEVLVIK.G	1838.109	0.00518	2	1	61.9	0
P12163_1_F3,22200 K.VSVEDEVLVIK.G	1838.109	0.0079	3	1	45.2	0
P12163_1_F3,22213 K.VSVEDEVLVIK.G	1838.109	0.00628	2	1	59.6	0
P12163_1_F3,22437 K.VSVEDEVLVIK.G	1838.109	0.00478	3	1	45.1	0
P12163_1_F3,22447 K.VSVEDEVLVIK.G	1838.109	0.00564	2	1	64.8	0
P12163_1_F3,22680 K.VSVEDEVLVIK.G	1838.109	0.00625	3	1	45.2	0
P12163_1_F3,22687 K.VSVEDEVLVIK.G	1838.109	0.00608	2	1	59.8	0
P12163_1_F3,22931 K.VSVEDEVLVIK.G	1838.109	-0.00048	2	1	67.1	0
P12163_1_F3,23231 K.VSVEDEVLVIK.G	1838.109	0.00314	2	1	40.1	0
P12163_1_F3,23265 K.VSVEDEVLVIK.G	1838.109	0.0037	3	1	34	0
P12163_1_F3,23472 K.VSVEDEVLVIK.G	1838.109	0.01494	2	1	43.8	0
P12163_1_F3,23525 K.VSVEDEVLVIK.G	1838.109	0.00316	3	1	45	0
P12163_1_F3,23776 K.VSVEDEVLVIK.G	1838.109	0.00247	3	1	31	0
P12163_1_F3,23777 K.VSVEDEVLVIK.G	1838.109	0.00358	2	1	48.7	0

P12163_1_F3,24005 K.VSVEDEV LVIK.G	1838.109	0.00589	3	1	36	0
P12163_1_F3,24011 K.VSVEDEV LVIK.G	1838.109	0.00514	2	1	71.1	0
P12163_1_F3,24248 K.VSVEDEV LVIK.G	1838.109	0.00649	3	1	42.3	0
P12163_1_F3,24262 K.VSVEDEV LVIK.G	1838.109	0.00514	2	1	46.8	0
P12163_1_F3,24492 K.VSVEDEV LVIK.G	1838.109	0.00568	3	1	45.2	0
P12163_1_F3,24501 K.VSVEDEV LVIK.G	1838.109	0.00538	2	1	63.7	0
P12163_1_F3,24723 K.VSVEDEV LVIK.G	1838.109	0.01696	3	1	31.1	0
P12163_1_F3,24749 K.VSVEDEV LVIK.G	1838.109	0.00374	2	1	69.7	0
P12163_1_F3,24964 K.VSVEDEV LVIK.G	1838.109	0.00568	3	1	38.2	0
P12163_1_F3,24989 K.VSVEDEV LVIK.G	1838.109	0.00584	2	1	39.1	0
P12163_1_F3,25197 K.VSVEDEV LVIK.G	1838.109	0.00436	3	1	28.4	0
P12163_1_F3,25220 K.VSVEDEV LVIK.G	1838.109	0.00258	2	1	44.1	0
P12163_1_F3,25464 K.VSVEDEV LVIK.G	1838.109	0.00466	2	1	42.2	0
P12163_1_F3,25531 K.VSVEDEV LVIK.G	1838.109	0.00841	3	1	39.7	0
P12163_1_F3,25695 K.VSVEDEV LVIK.G	1838.109	0.00252	2	1	38.5	0
P12163_1_F3,25746 K.VSVEDEV LVIK.G	1838.109	0.00682	3	1	35.9	0
P12163_1_F3,25904 K.VSVEDEV LVIK.G	1838.109	0.00362	2	1	44.2	0
P12163_1_F3,25959 K.VSVEDEV LVIK.G	1838.109	0.00457	3	1	46.8	0
P12163_1_F3,26130 K.VSVEDEV LVIK.G	1838.109	0.01666	2	1	54.1	0
P12163_1_F3,26733 K.VSVEDEV LVIK.G	1838.109	0.00703	3	1	36	0
P12163_1_F3,26735 K.VSVEDEV LVIK.G	1838.109	0.00522	2	1	37.4	0
P12163_1_F3,26921 K.VSVEDEV LVIK.G	1838.109	0.00565	3	1	45.4	0
P12163_1_F3,27129 K.VSVEDEV LVIK.G	1838.109	0.00733	3	1	39.5	0
P12163_1_F3,27153 K.VSVEDEV LVIK.G	1838.109	0.00676	2	1	30.2	0
P12163_1_F3,27301 K.VSVEDEV LVIK.G	1838.109	0.00574	3	1	32.7	0
P12163_1_F3,27475 K.VSVEDEV LVIK.G	1838.109	0.0055	3	1	32.7	0
P12163_1_F3,27516 K.VSVEDEV LVIK.G	1838.109	0.00362	2	1	40.1	0
P12163_1_F3,27661 K.VSVEDEV LVIK.G	1838.109	0.0088	3	1	29.5	0
P12163_1_F3,27694 K.VSVEDEV LVIK.G	1838.109	0.00722	2	1	44.5	0
P12163_1_F3,27856 K.VSVEDEV LVIK.G	1838.109	0.00682	2	1	64.1	0
P12163_1_F3,27981 K.VSVEDEV LVIK.G	1838.109	0.00616	3	1	32.4	0
P12163_1_F3,28021 K.VSVEDEV LVIK.G	1838.109	0.00446	2	1	41.9	0
P12163_1_F3,28139 K.VSVEDEV LVIK.G	1838.109	0.00448	3	1	27.5	0
P12163_1_F3,28181 K.VSVEDEV LVIK.G	1838.109	0.00402	2	1	29.1	0
P12163_1_F3,28293 K.VSVEDEV LVIK.G	1838.109	0.007	3	1	40.7	0
P12163_1_F3,28650 K.VSVEDEV LVIK.G	1838.109	0.00811	3	1	36.7	0
P12163_1_F3,28674 K.VSVEDEV LVIK.G	1838.109	0.00656	2	1	50.9	0
P12163_1_F3,28803 K.VSVEDEV LVIK.G	1838.109	0.00676	3	1	32.7	0
P12163_1_F3,28948 K.VSVEDEV LVIK.G	1838.109	0.00508	3	1	29.8	0
P12163_1_F3,29100 K.VSVEDEV LVIK.G	1838.109	0.00862	3	1	38	0
P12163_1_F3,29246 K.VSVEDEV LVIK.G	1838.109	0.00934	3	1	36	0
P12163_1_F3,29384 K.VSVEDEV LVIK.G	1838.109	0.00631	3	1	32.6	0
P12163_1_F3,29523 K.VSVEDEV LVIK.G	1838.109	0.00532	3	1	32	0
P12163_1_F3,29664 K.VSVEDEV LVIK.G	1838.109	0.00781	3	1	33.8	0
P12163_1_F3,29804 K.VSVEDEV LVIK.G	1838.109	0.00568	3	1	35.8	0
P12163_1_F3,29946 K.VSVEDEV LVIK.G	1838.109	0.00631	3	1	29.5	0
P12163_1_F3,30086 K.VSVEDEV LVIK.G	1838.109	0.00688	3	1	39.4	0
P12163_1_F3,30221 K.VSVEDEV LVIK.G	1838.109	0.00331	3	1	32.3	0
P12163_1_F3,30359 K.VSVEDEV LVIK.G	1838.109	0.00421	3	1	37.9	0
P12163_1_F3,30496 K.VSVEDEV LVIK.G	1838.109	0.00451	3	1	35.2	0
P12163_1_F3,30626 K.VSVEDEV LVIK.G	1838.109	0.00388	3	1	28.2	0

P12163_1_F3,30772 K.VSVEDEVLVIK.G	1838.109	0.00481	3	1	32.7	0
P12163_1_F3,30906 K.VSVEDEVLVIK.G	1838.109	0.0085	3	1	24.5	0
P12163_1_F3,31039 K.VSVEDEVLVIK.G	1838.109	0.00559	3	1	35.4	0
P12163_1_F3,31170 K.VSVEDEVLVIK.G	1838.109	0.00181	3	1	32	0
P12163_1_F3,31311 K.VSVEDEVLVIK.G	1838.109	0.00595	3	1	35.6	0
P12163_1_F3,31443 K.VSVEDEVLVIK.G	1838.109	0.00376	3	1	28.3	0
P12163_1_F3,31573 K.VSVEDEVLVIK.G	1838.109	0.007	3	1	34.1	0
P12163_1_F3,31882 K.VSVEDEVLVIK.G	1838.109	0.00718	3	1	39.7	0
P12163_1_F3,32028 K.VSVEDEVLVIK.G	1838.109	0.00979	3	1	33.3	0
P12163_1_F3,32158 K.VSVEDEVLVIK.G	1838.109	0.00622	3	1	33	0
P12163_1_F3,32287 K.VSVEDEVLVIK.G	1838.109	0.00445	3	1	34.9	0
P12163_1_F3,32449 K.VSVEDEVLVIK.G	1838.109	0.00703	3	1	29.3	0
P12163_1_F3,32583 K.VSVEDEVLVIK.G	1838.109	0.00427	3	1	34.2	0
P12163_1_F3,32824 K.VSVEDEVLVIK.G	1838.109	0.00571	3	1	29.6	0
P12163_1_F3,32965 K.VSVEDEVLVIK.G	1838.109	0.00796	3	1	32.7	0
P12163_1_F3,33094 K.VSVEDEVLVIK.G	1838.109	0.00862	3	1	31.5	0
P12163_1_F3,33306 K.VSVEDEVLVIK.G	1838.109	0.00286	3	1	25.4	0
P12163_1_F3,33467 K.VSVEDEVLVIK.G	1838.109	0.00295	3	1	29.6	0
P12163_1_F3,33871 K.VSVEDEVLVIK.G	1838.109	0.00553	3	1	33	0
P12163_1_F4,21898 K.VSVEDEVLVIK.G	1838.109	0.00067	3	1	31.4	0
P12163_1_F4,21908 K.VSVEDEVLVIK.G	1838.109	0.00238	2	1	59.4	0
P12163_1_F4,22212 K.VSVEDEVLVIK.G	1838.109	0.00594	2	1	51.9	0
P12163_1_F4,22282 K.VSVEDEVLVIK.G	1838.109	0.00397	3	1	35.6	0
P12163_1_F4,22496 K.VSVEDEVLVIK.G	1838.109	0.00528	2	1	49.4	0
P12163_1_F4,22756 K.VSVEDEVLVIK.G	1838.109	0.00244	2	1	34	0
P12163_1_F4,23285 K.VSVEDEVLVIK.G	1838.109	0.00604	3	1	30.7	0
P12163_1_F5,18937 K.VSVEDEVLVIK.G	1838.109	0.00076	2	1	67.8	0
P12163_1_F5,18989 K.VSVEDEVLVIK.G	1838.109	0.00169	3	1	43.8	0
P12163_1_F5,19469 K.VSVEDEVLVIK.G	1838.109	0.0058	2	1	68.5	0
P12163_1_F5,19517 K.VSVEDEVLVIK.G	1838.109	0.0034	3	1	22.7	0
P12163_1_F5,20151 K.VSVEDEVLVIK.G	1838.109	0.00152	2	1	64.7	0
P12163_1_F5,20161 K.VSVEDEVLVIK.G	1838.109	0.00403	3	1	43.4	0
P12163_1_F5,20480 K.VSVEDEVLVIK.G	1838.109	0.0094	3	1	35.3	0
P12163_1_F5,20502 K.VSVEDEVLVIK.G	1838.109	0.00784	2	1	39.7	0
P12163_1_F5,20763 K.VSVEDEVLVIK.G	1838.109	0.00547	3	1	36.2	0
P12163_1_F5,20802 K.VSVEDEVLVIK.G	1838.109	0.00638	2	1	59.7	0
P12163_1_F5,20973 K.VSVEDEVLVIK.G	1838.109	0.00088	3	1	31.2	0
P12163_1_F5,21019 K.VSVEDEVLVIK.G	1838.109	0.00374	2	1	46.1	0
P12163_1_F5,21209 K.VSVEDEVLVIK.G	1838.109	0.0058	3	1	25.5	0
P12163_1_F5,21895 K.VSVEDEVLVIK.G	1838.109	0.00313	3	1	28.5	0
P12163_1_F5,22446 K.VSVEDEVLVIK.G	1838.109	0.00061	3	1	30.9	0
P12163_1_F5,22694 K.VSVEDEVLVIK.G	1838.109	0.00307	3	1	25.6	0
P12163_1_F5,23307 K.VSVEDEVLVIK.G	1838.109	0.0052	3	1	35.1	0
P12163_1_F5,23513 K.VSVEDEVLVIK.G	1838.109	0.00367	3	1	37.8	0
P12163_1_F6,188 K.VSVEDEVLVIK.G	1838.109	-0.00028	2	1	37.9	0
P12163_1_F6,19537 K.VSVEDEVLVIK.G	1838.109	0.00616	2	1	29.2	0
P12163_1_F6,20116 K.VSVEDEVLVIK.G	1838.109	0.00136	2	1	49.6	0
P12163_1_F6,20122 K.VSVEDEVLVIK.G	1838.109	0.00421	3	1	45.1	0
P12163_1_F6,20322 K.VSVEDEVLVIK.G	1838.109	0.00322	2	1	61.8	0
P12163_1_F6,20331 K.VSVEDEVLVIK.G	1838.109	0.00451	3	1	45.2	0
P12163_1_F6,20550 K.VSVEDEVLVIK.G	1838.109	0.00586	2	1	59.9	0

P12163_1_F6,20558 K.VSVEDEVLVIK.G	1838.109	0.00502	3	1	36.2	0
P12163_1_F6,20806 K.VSVEDEVLVIK.G	1838.109	0.00276	2	1	64.7	0
P12163_1_F6,21140 K.VSVEDEVLVIK.G	1838.109	-0.00071	3	1	36.1	0
P12163_1_F6,21378 K.VSVEDEVLVIK.G	1838.109	0.00238	3	1	34.3	0
P12163_1_F7,18695 K.VSVEDEVLVIK.G	1838.109	0.00398	2	1	59.3	0
P12163_1_F7,19352 K.VSVEDEVLVIK.G	1838.109	0.00238	3	1	45.1	0
P12163_1_F7,19376 K.VSVEDEVLVIK.G	1838.109	0.00314	2	1	49.7	0
P12163_1_F7,19727 K.VSVEDEVLVIK.G	1838.109	0.0082	3	1	36.3	0
P12163_1_F7,19781 K.VSVEDEVLVIK.G	1838.109	0.0056	2	1	51.7	0
P12163_1_F7,19970 K.VSVEDEVLVIK.G	1838.109	0.00349	3	1	33	0
P12163_1_F7,20426 K.VSVEDEVLVIK.G	1838.109	0.00757	3	1	31.1	0
P12163_1_F7,20707 K.VSVEDEVLVIK.G	1838.109	0.00844	3	1	26.2	0
P12163_1_F8,19964 K.VSVEDEVLVIK.G	1838.109	-0.00078	2	1	47.5	0
P12163_1_F8,19967 K.VSVEDEVLVIK.G	1838.109	0.00043	3	1	35.6	0
P12163_1_F8,20414 K.VSVEDEVLVIK.G	1838.109	-0.00371	3	1	27.7	0
P12163_1_F8,20767 K.VSVEDEVLVIK.G	1838.109	0.00595	3	1	36	0
P12163_1_F8,20802 K.VSVEDEVLVIK.G	1838.109	0.00546	2	1	52.4	0
P12163_1_F9,19830 K.VSVEDEVLVIK.G	1838.109	0.00349	3	1	29.2	0
P12163_1_F9,20134 K.VSVEDEVLVIK.G	1838.109	0.00202	3	1	33.2	0
P12163_1_F9,20177 K.VSVEDEVLVIK.G	1838.109	0.00518	2	1	64.6	0
P12163_1_F9,20337 K.VSVEDEVLVIK.G	1838.109	0.00355	3	1	30.6	0
P12163_1_S1,15441 K.VSVEDEVLVIK.G	1838.109	0.01072	3	1	36.8	0
P12163_1_S1,15495 K.VSVEDEVLVIK.G	1838.109	0.00629	4	1	21.9	0
P12163_1_S1,18308 K.VSVEDEVLVIK.G	1838.109	0.0064	3	1	44.8	0
P12163_1_S1,18311 K.VSVEDEVLVIK.G	1838.109	0.0021	2	1	66.2	0
P12163_1_S1,18421 K.VSVEDEVLVIK.G	1838.109	0.00365	4	1	41.4	0
P12163_1_S1,18571 K.VSVEDEVLVIK.G	1838.109	0.00613	3	1	42.8	0
P12163_1_S1,18588 K.VSVEDEVLVIK.G	1838.109	0.00704	2	1	54.8	0
P12163_1_S1,19021 K.VSVEDEVLVIK.G	1838.109	0.00898	3	1	41.5	0
P12163_1_S1,19559 K.VSVEDEVLVIK.G	1838.109	0.00694	3	1	33.6	0
P12163_1_S1,19591 K.VSVEDEVLVIK.G	1838.109	0.0052	2	1	28.4	0
P12163_1_S10,1826 K.VSVEDEVLVIK.G	1838.109	0.00295	3	1	28.8	0
P12163_1_S10,1873 K.VSVEDEVLVIK.G	1838.109	0.00319	3	1	30.8	0
P12163_1_S10,1923 K.VSVEDEVLVIK.G	1838.109	0.00481	3	1	47.5	0
P12163_2_F1,19760 K.VSVEDEVLVIK.G	1838.109	-0.00536	3	1	33.8	0
P12163_2_F1,19766 K.VSVEDEVLVIK.G	1838.109	-0.00224	2	1	46	0
P12163_2_F1,21145 K.VSVEDEVLVIK.G	1838.109	0.01036	2	1	25.1	0
P12163_2_F1,21504 K.VSVEDEVLVIK.G	1838.109	-0.00448	2	1	50.5	0
P12163_2_F1,21509 K.VSVEDEVLVIK.G	1838.109	-0.00431	3	1	22.5	0
P12163_2_F10,1763 K.VSVEDEVLVIK.G	1838.109	-0.00131	3	1	23	0
P12163_2_F2,20735 K.VSVEDEVLVIK.G	1838.109	0.00286	3	1	22.3	0
P12163_2_F2,20961 K.VSVEDEVLVIK.G	1838.109	0.00396	2	1	50.7	0
P12163_2_F2,20979 K.VSVEDEVLVIK.G	1838.109	0.00514	3	1	32.9	0
P12163_2_F2,21187 K.VSVEDEVLVIK.G	1838.109	0.00098	2	1	27.1	0
P12163_2_F2,21270 K.VSVEDEVLVIK.G	1838.109	0.00442	3	1	32.8	0
P12163_2_F4,18299 K.VSVEDEVLVIK.G	1838.109	0.00652	2	1	66.5	0
P12163_2_F4,18312 K.VSVEDEVLVIK.G	1838.109	0.00787	3	1	35	0
P12163_2_F4,19292 K.VSVEDEVLVIK.G	1838.109	0.00462	2	1	69	0
P12163_2_F4,19309 K.VSVEDEVLVIK.G	1838.109	0.00484	3	1	36	0
P12163_2_F6,19512 K.VSVEDEVLVIK.G	1838.109	0.00118	3	1	25.6	0
P12163_2_F6,20371 K.VSVEDEVLVIK.G	1838.109	0.00361	3	1	42.3	0

P12163_2_F7,18431	K.VSVEDEVLVIK.G	1838.109	0.00508	3	1	30.5	0
P12163_2_F7,18463	K.VSVEDEVLVIK.G	1838.109	0.00338	2	1	46.9	0
P12163_2_F8,12070	K.VSVEDEVLVIK.G	1838.109	0.00289	3	1	38.3	0
P12163_2_F9,18719	K.VSVEDEVLVIK.G	1838.109	0.0056	2	1	38.4	0
P12163_2_S5,17991	K.VSVEDEVLVIK.G	1838.109	0.00229	3	1	28.5	0
P12163_2_S5,18883	K.VSVEDEVLVIK.G	1838.109	0.00428	2	1	59.1	0
P12163_1_F8,18814	K.VSVEDEVLVIKGEHR.	2317.334	0.00195	3	1	36	0
P12163_1_F8,18822	K.VSVEDEVLVIKGEHR.	2317.334	0.00249	4	1	41.7	0
P12163_2_F10,1703	K.VSVEDEVLVIKGEHR.	2317.334	0.00435	3	1	39.8	0
P12163_1_F2,9278	R.AEEAGGASFSSYDTR.I	1851.866	0.00428	3	1	31.4	0
P12163_1_F2,9787	R.AEEAGGASFSSYDTR.I	1851.866	0.00003	3	1	38.7	0
P12163_1_F2,10380	R.AEEAGGASFSSYDTR.I	1851.866	0.00435	3	1	46.5	0
P12163_1_F2,10407	R.AEEAGGASFSSYDTR.I	1851.866	0.00221	2	1	31.2	0
P12163_1_F2,10647	R.AEEAGGASFSSYDTR.I	1851.866	0.00122	3	1	35.3	0
P12163_1_F2,11090	R.AEEAGGASFSSYDTR.I	1851.866	0.00021	3	1	57.3	0
P12163_1_F2,11777	R.AEEAGGASFSSYDTR.I	1851.866	0.00678	3	1	68.9	0
P12163_1_F2,12308	R.AEEAGGASFSSYDTR.I	1851.866	0.00396	3	1	77.8	0
P12163_1_F2,12310	R.AEEAGGASFSSYDTR.I	1851.866	0.00409	2	1	35.5	0
P12163_1_F2,13244	R.AEEAGGASFSSYDTR.I	1851.866	-0.00117	3	1	84.3	0
P12163_1_F2,13422	R.AEEAGGASFSSYDTR.I	1851.866	0.00437	2	1	38.1	0
P12163_1_F2,17353	R.AEEAGGASFSSYDTR.I	1851.866	-0.01237	2	1	24.4	0
P12163_1_F3,8833	R.AEEAGGASFSSYDTR.I	1851.866	0.00093	3	1	24.1	0
P12163_1_F3,9449	R.AEEAGGASFSSYDTR.I	1851.866	0.00315	3	1	52.8	0
P12163_1_F3,10641	R.AEEAGGASFSSYDTR.I	1851.866	0.00347	3	1	56.6	0
P12163_1_F3,10652	R.AEEAGGASFSSYDTR.I	1851.866	0.00215	2	1	30.7	0
P12163_1_F3,12584	R.AEEAGGASFSSYDTR.I	1851.866	0.0036	3	1	59	0
P12163_1_F3,13556	R.AEEAGGASFSSYDTR.I	1851.866	0.00195	2	1	61	0
P12163_1_F3,13632	R.AEEAGGASFSSYDTR.I	1851.866	0.00383	3	1	57.5	0
P12163_1_F4,9937	R.AEEAGGASFSSYDTR.I	1851.866	0.00476	3	1	44.9	0
P12163_1_F4,9951	R.AEEAGGASFSSYDTR.I	1851.866	0.00297	2	1	36.5	0
P12163_1_F4,10418	R.AEEAGGASFSSYDTR.I	1851.866	0.00716	3	1	35.2	0
P12163_1_F4,10464	R.AEEAGGASFSSYDTR.I	1851.866	0.00491	2	1	44.7	0
P12163_1_F4,11071	R.AEEAGGASFSSYDTR.I	1851.866	0.01076	3	1	39.3	0
P12163_1_F4,11077	R.AEEAGGASFSSYDTR.I	1851.866	0.01381	2	1	39.1	0
P12163_1_F4,11775	R.AEEAGGASFSSYDTR.I	1851.866	-0.00091	2	1	41.1	0
P12163_1_F4,11795	R.AEEAGGASFSSYDTR.I	1851.866	0.00252	3	1	49	0
P12163_1_F4,12576	R.AEEAGGASFSSYDTR.I	1851.866	0.00512	3	1	45.9	0
P12163_1_F4,12623	R.AEEAGGASFSSYDTR.I	1851.866	0.00809	2	1	48.9	0
P12163_1_F4,13083	R.AEEAGGASFSSYDTR.I	1851.866	0.00536	3	1	53.5	0
P12163_1_F4,13095	R.AEEAGGASFSSYDTR.I	1851.866	0.00117	2	1	62.9	0
P12163_1_F4,13528	R.AEEAGGASFSSYDTR.I	1851.866	-0.00019	2	1	34.2	0
P12163_1_F4,13844	R.AEEAGGASFSSYDTR.I	1851.866	-0.00149	2	1	34.2	0
P12163_1_F4,14095	R.AEEAGGASFSSYDTR.I	1851.866	0.00425	2	1	68.1	0
P12163_1_F4,14098	R.AEEAGGASFSSYDTR.I	1851.866	0.00536	3	1	74.4	0
P12163_1_F4,23711	R.AEEAGGASFSSYDTR.I	1851.866	0.00392	3	1	35.1	0
P12163_1_F5,9204	R.AEEAGGASFSSYDTR.I	1851.866	-0.00333	2	1	33.4	0
P12163_1_F5,9209	R.AEEAGGASFSSYDTR.I	1851.866	0.0039	3	1	46.9	0
P12163_1_F5,9698	R.AEEAGGASFSSYDTR.I	1851.866	-0.00007	2	1	41.5	0
P12163_1_F5,9859	R.AEEAGGASFSSYDTR.I	1851.866	0.00203	3	1	31.7	0
P12163_1_F5,10486	R.AEEAGGASFSSYDTR.I	1851.866	0.00191	2	1	25.5	0
P12163_1_F5,10662	R.AEEAGGASFSSYDTR.I	1851.866	-0.00004	3	1	49	0

P12163_1_F5,11137	R.AEEAGGASFSSYDTR.I	1851.866	0.00239	3	1	53.5	0
P12163_1_F5,11160	R.AEEAGGASFSSYDTR.I	1851.866	0.00001	2	1	64.2	0
P12163_1_F5,11671	R.AEEAGGASFSSYDTR.I	1851.866	-0.00111	2	1	38.1	0
P12163_1_F5,11715	R.AEEAGGASFSSYDTR.I	1851.866	0.00387	3	1	65	0
P12163_1_F5,12106	R.AEEAGGASFSSYDTR.I	1851.866	0.00231	2	1	47.7	0
P12163_1_F5,12139	R.AEEAGGASFSSYDTR.I	1851.866	0.0027	3	1	67.2	0
P12163_1_F5,12793	R.AEEAGGASFSSYDTR.I	1851.866	0.00175	2	1	74.1	0
P12163_1_F6,9615	R.AEEAGGASFSSYDTR.I	1851.866	-0.00675	3	1	32.6	0
P12163_1_F6,10122	R.AEEAGGASFSSYDTR.I	1851.866	0.0039	3	1	44	0
P12163_1_F6,10721	R.AEEAGGASFSSYDTR.I	1851.866	0.00797	3	1	49.8	0
P12163_1_F6,10736	R.AEEAGGASFSSYDTR.I	1851.866	0.01149	2	1	37.9	0
P12163_1_F6,11396	R.AEEAGGASFSSYDTR.I	1851.866	0.00167	3	1	26.1	0
P12163_1_F6,11418	R.AEEAGGASFSSYDTR.I	1851.866	-0.00009	2	1	53.5	0
P12163_1_F6,12125	R.AEEAGGASFSSYDTR.I	1851.866	0.00351	3	1	54.3	0
P12163_1_F6,12143	R.AEEAGGASFSSYDTR.I	1851.866	0.00155	2	1	25.1	0
P12163_1_F6,12605	R.AEEAGGASFSSYDTR.I	1851.866	0.00444	3	1	61.4	0
P12163_1_F6,12630	R.AEEAGGASFSSYDTR.I	1851.866	0.00095	2	1	56.1	0
P12163_1_F6,12938	R.AEEAGGASFSSYDTR.I	1851.866	-0.00135	3	1	27.5	0
P12163_1_F6,12991	R.AEEAGGASFSSYDTR.I	1851.866	0.00447	2	1	25.7	0
P12163_1_F6,13298	R.AEEAGGASFSSYDTR.I	1851.866	0.00399	2	1	33.2	0
P12163_1_F6,13522	R.AEEAGGASFSSYDTR.I	1851.866	0.00231	2	1	66.4	0
P12163_1_F6,13530	R.AEEAGGASFSSYDTR.I	1851.866	0.0044	3	1	55.8	0
P12163_1_F6,13760	R.AEEAGGASFSSYDTR.I	1851.866	0.00453	2	1	51.4	0
P12163_1_F7,9224	R.AEEAGGASFSSYDTR.I	1851.866	-0.0009	3	1	28.5	0
P12163_1_F7,9703	R.AEEAGGASFSSYDTR.I	1851.866	-0.00423	3	1	33.4	0
P12163_1_F7,10205	R.AEEAGGASFSSYDTR.I	1851.866	0.00252	3	1	36.9	0
P12163_1_F7,10251	R.AEEAGGASFSSYDTR.I	1851.866	0.00231	2	1	27.5	0
P12163_1_F7,10798	R.AEEAGGASFSSYDTR.I	1851.866	0.00041	3	1	34.5	0
P12163_1_F7,11469	R.AEEAGGASFSSYDTR.I	1851.866	0.0014	3	1	52.4	0
P12163_1_F7,11976	R.AEEAGGASFSSYDTR.I	1851.866	-0.00153	3	1	43.5	0
P12163_1_F7,12359	R.AEEAGGASFSSYDTR.I	1851.866	0.00246	3	1	43.7	0
P12163_1_F7,12844	R.AEEAGGASFSSYDTR.I	1851.866	0.00261	3	1	49.4	0
P12163_1_F7,12878	R.AEEAGGASFSSYDTR.I	1851.866	0.00311	2	1	74.2	0
P12163_1_F8,9387	R.AEEAGGASFSSYDTR.I	1851.866	0.00081	3	1	33.1	0
P12163_1_F8,10300	R.AEEAGGASFSSYDTR.I	1851.866	0.0023	3	1	35.8	0
P12163_1_F8,10540	R.AEEAGGASFSSYDTR.I	1851.866	0.00311	3	1	69.9	0
P12163_1_F8,10577	R.AEEAGGASFSSYDTR.I	1851.866	0.00283	2	1	44.1	0
P12163_1_F8,11125	R.AEEAGGASFSSYDTR.I	1851.866	0.00338	3	1	29.7	0
P12163_1_F8,11220	R.AEEAGGASFSSYDTR.I	1851.866	0.00407	2	1	56.5	0
P12163_1_F8,11566	R.AEEAGGASFSSYDTR.I	1851.866	0.00815	3	1	22.8	0
P12163_1_F8,11821	R.AEEAGGASFSSYDTR.I	1851.866	0.00219	3	1	74	0
P12163_1_F8,11823	R.AEEAGGASFSSYDTR.I	1851.866	0.00129	2	1	34.6	0
P12163_1_F8,12402	R.AEEAGGASFSSYDTR.I	1851.866	-0.00193	2	1	63.7	0
P12163_1_F8,12407	R.AEEAGGASFSSYDTR.I	1851.866	-0.0004	3	1	75.4	0
P12163_1_F8,12658	R.AEEAGGASFSSYDTR.I	1851.866	0.00227	2	1	53	0
P12163_1_F8,12670	R.AEEAGGASFSSYDTR.I	1851.866	0.00363	3	1	43.2	0
P12163_1_F8,12892	R.AEEAGGASFSSYDTR.I	1851.866	0.00157	2	1	76.6	0
P12163_1_F8,12901	R.AEEAGGASFSSYDTR.I	1851.866	0.00018	3	1	63	0
P12163_1_F8,13156	R.AEEAGGASFSSYDTR.I	1851.866	0.00361	2	1	26.6	0
P12163_1_F8,13338	R.AEEAGGASFSSYDTR.I	1851.866	0.0036	3	1	40.5	0
P12163_1_F8,13415	R.AEEAGGASFSSYDTR.I	1851.866	0.00189	2	1	71.7	0

P12163_1_F8,15185	R.AEEAGGASFSSYDTR.I	1851.866	-0.01197	3	1	45.8	0
P12163_1_F9,9324	R.AEEAGGASFSSYDTR.I	1851.866	0.00399	3	1	33.3	0
P12163_1_F9,10505	R.AEEAGGASFSSYDTR.I	1851.866	0.00273	2	1	33.4	0
P12163_1_F9,10555	R.AEEAGGASFSSYDTR.I	1851.866	0.0021	3	1	57	0
P12163_1_F9,11240	R.AEEAGGASFSSYDTR.I	1851.866	0.00199	2	1	34.8	0
P12163_1_F9,11952	R.AEEAGGASFSSYDTR.I	1851.866	0.00786	3	1	49.2	0
P12163_1_F9,11967	R.AEEAGGASFSSYDTR.I	1851.866	0.00663	2	1	24.9	0
P12163_1_F9,12402	R.AEEAGGASFSSYDTR.I	1851.866	0.00579	2	1	60.2	0
P12163_1_F9,12423	R.AEEAGGASFSSYDTR.I	1851.866	0.00234	3	1	38.7	0
P12163_1_F9,12967	R.AEEAGGASFSSYDTR.I	1851.866	0.00039	2	1	30.9	0
P12163_1_F9,13417	R.AEEAGGASFSSYDTR.I	1851.866	0.00071	2	1	70	0
P12163_1_F9,13429	R.AEEAGGASFSSYDTR.I	1851.866	0.00255	3	1	47.4	0
P12163_1_S1,8072	R.AEEAGGASFSSYDTR.I	1851.866	0.00216	3	1	22.5	0
P12163_1_S1,8080	R.AEEAGGASFSSYDTR.I	1851.866	0.00206	4	1	21.9	0
P12163_1_S1,8291	R.AEEAGGASFSSYDTR.I	1851.866	0.00099	3	1	36.6	0
P12163_1_S1,9062	R.AEEAGGASFSSYDTR.I	1851.866	0.00548	3	1	42.3	0
P12163_1_S1,9102	R.AEEAGGASFSSYDTR.I	1851.866	0.0019	4	1	35.1	0
P12163_1_S1,9333	R.AEEAGGASFSSYDTR.I	1851.866	-0.00514	4	1	33.8	0
P12163_1_S1,9615	R.AEEAGGASFSSYDTR.I	1851.866	0.00383	3	1	68.8	0
P12163_1_S1,9690	R.AEEAGGASFSSYDTR.I	1851.866	0.00362	4	1	51.4	0
P12163_1_S1,9695	R.AEEAGGASFSSYDTR.I	1851.866	0.00302	4	1	54	0
P12163_1_S1,9824	R.AEEAGGASFSSYDTR.I	1851.866	-0.00015	3	1	58.2	0
P12163_1_S1,9906	R.AEEAGGASFSSYDTR.I	1851.866	0.00174	4	1	58.2	0
P12163_1_S1,10035	R.AEEAGGASFSSYDTR.I	1851.866	0.00453	3	1	80.7	0
P12163_1_S1,10132	R.AEEAGGASFSSYDTR.I	1851.866	0.00186	4	1	49	0
P12163_1_S1,10292	R.AEEAGGASFSSYDTR.I	1851.866	-0.00112	3	1	84.4	0
P12163_1_S1,10354	R.AEEAGGASFSSYDTR.I	1851.866	-0.00118	4	1	38.2	0
P12163_1_S1,10528	R.AEEAGGASFSSYDTR.I	1851.866	0.00458	3	1	72.2	0
P12163_1_S1,10649	R.AEEAGGASFSSYDTR.I	1851.866	0.00762	4	1	39.1	0
P12163_1_S1,10670	R.AEEAGGASFSSYDTR.I	1851.866	0.00266	4	1	34.2	0
P12163_1_S1,10880	R.AEEAGGASFSSYDTR.I	1851.866	0.00297	2	1	60.9	0
P12163_1_S1,10907	R.AEEAGGASFSSYDTR.I	1851.866	-0.00204	3	1	82.3	0
P12163_1_S1,10939	R.AEEAGGASFSSYDTR.I	1851.866	0.0019	4	1	44.4	0
P12163_1_S1,11099	R.AEEAGGASFSSYDTR.I	1851.866	-0.00397	2	1	30.5	0
P12163_1_S1,11134	R.AEEAGGASFSSYDTR.I	1851.866	0.00086	3	1	81.8	0
P12163_1_S1,11520	R.AEEAGGASFSSYDTR.I	1851.866	-0.0006	3	1	74.6	0
P12163_1_S1,11769	R.AEEAGGASFSSYDTR.I	1851.866	0.003	3	1	68.1	0
P12163_1_S1,11908	R.AEEAGGASFSSYDTR.I	1851.866	-0.00437	2	1	30	0
P12163_1_S1,12021	R.AEEAGGASFSSYDTR.I	1851.866	0.0014	3	1	94.4	0
P12163_1_S1,12059	R.AEEAGGASFSSYDTR.I	1851.866	0.00682	4	1	55.5	0
P12163_1_S1,12156	R.AEEAGGASFSSYDTR.I	1851.866	0.00293	2	1	55	0
P12163_1_S1,12267	R.AEEAGGASFSSYDTR.I	1851.866	0.00365	3	1	96.9	0
P12163_1_S1,12340	R.AEEAGGASFSSYDTR.I	1851.866	0.00218	4	1	26.3	0
P12163_1_S1,12397	R.AEEAGGASFSSYDTR.I	1851.866	0.00471	2	1	70.4	0
P12163_1_S1,12501	R.AEEAGGASFSSYDTR.I	1851.866	-0.00094	3	1	91.8	0
P12163_1_S1,12624	R.AEEAGGASFSSYDTR.I	1851.866	0.00391	2	1	75.5	0
P12163_1_S1,12749	R.AEEAGGASFSSYDTR.I	1851.866	0.00261	3	1	94.3	0
P12163_1_S1,13007	R.AEEAGGASFSSYDTR.I	1851.866	0.0023	3	1	114	0
P12163_1_S1,13135	R.AEEAGGASFSSYDTR.I	1851.866	-0.00151	2	1	75.6	0
P12163_1_S1,13238	R.AEEAGGASFSSYDTR.I	1851.866	-0.00258	3	1	102	0
P12163_1_S1,13329	R.AEEAGGASFSSYDTR.I	1851.866	-0.00109	2	1	77.6	0

P12163_1_S1,13439	R.AEEAGGASFSSYDTR.I	1851.866	0.00005	3	1	105	0
P12163_1_S1,13550	R.AEEAGGASFSSYDTR.I	1851.866	0.00239	2	1	76.1	0
P12163_1_S1,13693	R.AEEAGGASFSSYDTR.I	1851.866	0.00111	3	1	105	0
P12163_1_S1,13753	R.AEEAGGASFSSYDTR.I	1851.866	-0.00118	4	1	27.6	0
P12163_1_S1,13826	R.AEEAGGASFSSYDTR.I	1851.866	0.00497	2	1	72.7	0
P12163_1_S1,13943	R.AEEAGGASFSSYDTR.I	1851.866	0.00338	3	1	105	0
P12163_1_S1,14064	R.AEEAGGASFSSYDTR.I	1851.866	0.00697	2	1	77.3	0
P12163_1_S1,14160	R.AEEAGGASFSSYDTR.I	1851.866	0.00194	3	1	109	0
P12163_1_S1,14314	R.AEEAGGASFSSYDTR.I	1851.866	0.00285	2	1	69.3	0
P12163_1_S1,14545	R.AEEAGGASFSSYDTR.I	1851.866	0.00329	2	1	47.1	0
P12163_1_S1,14578	R.AEEAGGASFSSYDTR.I	1851.866	0.00297	3	1	73.5	0
P12163_1_S1,14790	R.AEEAGGASFSSYDTR.I	1851.866	0.00209	2	1	70.3	0
P12163_1_S1,14824	R.AEEAGGASFSSYDTR.I	1851.866	0.00275	3	1	114	0
P12163_1_S1,15021	R.AEEAGGASFSSYDTR.I	1851.866	0.00445	2	1	34.4	0
P12163_1_S1,15055	R.AEEAGGASFSSYDTR.I	1851.866	0.00309	3	1	82.3	0
P12163_1_S1,15285	R.AEEAGGASFSSYDTR.I	1851.866	0.00293	2	1	61.6	0
P12163_1_S1,15314	R.AEEAGGASFSSYDTR.I	1851.866	0.0027	3	1	85.6	0
P12163_1_S1,15543	R.AEEAGGASFSSYDTR.I	1851.866	0.00441	2	1	58.1	0
P12163_1_S1,15566	R.AEEAGGASFSSYDTR.I	1851.866	0.00239	3	1	105	0
P12163_1_S1,15810	R.AEEAGGASFSSYDTR.I	1851.866	0.00297	2	1	65.7	0
P12163_1_S1,15926	R.AEEAGGASFSSYDTR.I	1851.866	0.00293	3	1	71.7	0
P12163_1_S1,16457	R.AEEAGGASFSSYDTR.I	1851.866	0.00369	3	1	62.5	0
P12163_1_S1,16515	R.AEEAGGASFSSYDTR.I	1851.866	0.00661	2	1	34.1	0
P12163_1_S1,16871	R.AEEAGGASFSSYDTR.I	1851.866	0.00644	3	1	86.8	0
P12163_1_S1,16901	R.AEEAGGASFSSYDTR.I	1851.866	0.00691	2	1	36.7	0
P12163_1_S1,17100	R.AEEAGGASFSSYDTR.I	1851.866	0.00381	3	1	61.6	0
P12163_1_S1,17357	R.AEEAGGASFSSYDTR.I	1851.866	0.00455	3	1	85.1	0
P12163_1_S1,17608	R.AEEAGGASFSSYDTR.I	1851.866	0.003	3	1	104	0
P12163_1_S1,17648	R.AEEAGGASFSSYDTR.I	1851.866	0.00845	2	1	45.8	0
P12163_1_S1,17869	R.AEEAGGASFSSYDTR.I	1851.866	0.00228	3	1	50.5	0
P12163_1_S1,17902	R.AEEAGGASFSSYDTR.I	1851.866	0.00671	2	1	36.3	0
P12163_1_S1,18136	R.AEEAGGASFSSYDTR.I	1851.866	0.00057	3	1	43	0
P12163_1_S1,18152	R.AEEAGGASFSSYDTR.I	1851.866	-0.00365	2	1	35.8	0
P12163_1_S1,18477	R.AEEAGGASFSSYDTR.I	1851.866	0.00091	2	1	36.7	0
P12163_1_S1,18575	R.AEEAGGASFSSYDTR.I	1851.866	0.00405	3	1	36.5	0
P12163_1_S1,18727	R.AEEAGGASFSSYDTR.I	1851.866	0.00583	2	1	29.5	0
P12163_1_S1,18937	R.AEEAGGASFSSYDTR.I	1851.866	0.00059	3	1	42.2	0
P12163_1_S1,18969	R.AEEAGGASFSSYDTR.I	1851.866	0.00795	2	1	34	0
P12163_1_S1,19183	R.AEEAGGASFSSYDTR.I	1851.866	0.00174	3	1	69.7	0
P12163_1_S1,19446	R.AEEAGGASFSSYDTR.I	1851.866	0.00419	3	1	36	0
P12163_1_S1,20146	R.AEEAGGASFSSYDTR.I	1851.866	0.00354	3	1	43.4	0
P12163_1_S1,20395	R.AEEAGGASFSSYDTR.I	1851.866	0.00374	3	1	43.8	0
P12163_1_S1,20410	R.AEEAGGASFSSYDTR.I	1851.866	0.00453	3	1	48.1	0
P12163_1_S1,20637	R.AEEAGGASFSSYDTR.I	1851.866	-0.0004	3	1	51.6	0
P12163_1_S1,20879	R.AEEAGGASFSSYDTR.I	1851.866	0.00518	3	1	68.2	0
P12163_1_S1,21131	R.AEEAGGASFSSYDTR.I	1851.866	0.0014	3	1	76	0
P12163_1_S1,21387	R.AEEAGGASFSSYDTR.I	1851.866	0.00482	3	1	56.5	0
P12163_1_S1,21600	R.AEEAGGASFSSYDTR.I	1851.866	0.00216	3	1	54.9	0
P12163_1_S1,21840	R.AEEAGGASFSSYDTR.I	1851.866	0.00419	3	1	71.7	0
P12163_1_S1,21952	R.AEEAGGASFSSYDTR.I	1851.866	0.00265	2	1	32	0
P12163_1_S1,22085	R.AEEAGGASFSSYDTR.I	1851.866	0.0044	3	1	68.5	0

P12163_1_S1,22306	R.AEEAGGASFSSYDTR.I	1851.866	0.00401	3	1	81	0
P12163_1_S1,22529	R.AEEAGGASFSSYDTR.I	1851.866	0.00219	3	1	57.9	0
P12163_1_S1,22696	R.AEEAGGASFSSYDTR.I	1851.866	0.00275	2	1	32.7	0
P12163_1_S1,22739	R.AEEAGGASFSSYDTR.I	1851.866	0.00221	3	1	61.7	0
P12163_1_S1,22949	R.AEEAGGASFSSYDTR.I	1851.866	0.00396	3	1	91.8	0
P12163_1_S1,23173	R.AEEAGGASFSSYDTR.I	1851.866	0.00333	3	1	91.9	0
P12163_1_S1,23399	R.AEEAGGASFSSYDTR.I	1851.866	0.00333	3	1	85.1	0
P12163_1_S1,23610	R.AEEAGGASFSSYDTR.I	1851.866	0.0039	3	1	77.6	0
P12163_1_S1,23819	R.AEEAGGASFSSYDTR.I	1851.866	0.00392	3	1	115	0
P12163_1_S1,24034	R.AEEAGGASFSSYDTR.I	1851.866	0.00261	3	1	86.3	0
P12163_1_S1,24234	R.AEEAGGASFSSYDTR.I	1851.866	0.00374	3	1	109	0
P12163_1_S1,24433	R.AEEAGGASFSSYDTR.I	1851.866	0.00293	3	1	87.9	0
P12163_1_S1,24616	R.AEEAGGASFSSYDTR.I	1851.866	0.00327	3	1	92.2	0
P12163_1_S1,24795	R.AEEAGGASFSSYDTR.I	1851.866	0.00309	3	1	78.7	0
P12163_1_S1,24981	R.AEEAGGASFSSYDTR.I	1851.866	0.0036	3	1	77.1	0
P12163_1_S1,25148	R.AEEAGGASFSSYDTR.I	1851.866	0.00338	3	1	91.3	0
P12163_1_S1,25313	R.AEEAGGASFSSYDTR.I	1851.866	0.0032	3	1	92.2	0
P12163_1_S1,25476	R.AEEAGGASFSSYDTR.I	1851.866	0.0027	3	1	94.2	0
P12163_1_S1,25632	R.AEEAGGASFSSYDTR.I	1851.866	0.00248	3	1	70.1	0
P12163_1_S1,25785	R.AEEAGGASFSSYDTR.I	1851.866	0.00414	3	1	77.3	0
P12163_1_S1,25930	R.AEEAGGASFSSYDTR.I	1851.866	0.00329	3	1	80.1	0
P12163_1_S1,26096	R.AEEAGGASFSSYDTR.I	1851.866	0.00458	3	1	46.4	0
P12163_1_S1,26245	R.AEEAGGASFSSYDTR.I	1851.866	0.00381	3	1	75.2	0
P12163_1_S1,26389	R.AEEAGGASFSSYDTR.I	1851.866	0.00297	3	1	72.1	0
P12163_1_S1,26531	R.AEEAGGASFSSYDTR.I	1851.866	0.00365	3	1	101	0
P12163_1_S1,26672	R.AEEAGGASFSSYDTR.I	1851.866	0.00306	3	1	71	0
P12163_1_S1,26814	R.AEEAGGASFSSYDTR.I	1851.866	0.00383	3	1	64.2	0
P12163_1_S1,26950	R.AEEAGGASFSSYDTR.I	1851.866	0.00311	3	1	58.7	0
P12163_1_S1,27087	R.AEEAGGASFSSYDTR.I	1851.866	0.00374	3	1	74.4	0
P12163_1_S1,27234	R.AEEAGGASFSSYDTR.I	1851.866	0.00408	3	1	102	0
P12163_1_S1,27385	R.AEEAGGASFSSYDTR.I	1851.866	0.00315	3	1	63.7	0
P12163_1_S1,27529	R.AEEAGGASFSSYDTR.I	1851.866	0.00318	3	1	84.1	0
P12163_1_S1,27676	R.AEEAGGASFSSYDTR.I	1851.866	0.00309	3	1	70.4	0
P12163_1_S1,27815	R.AEEAGGASFSSYDTR.I	1851.866	0.00392	3	1	80.6	0
P12163_1_S1,27957	R.AEEAGGASFSSYDTR.I	1851.866	0.00237	3	1	71.4	0
P12163_1_S1,28096	R.AEEAGGASFSSYDTR.I	1851.866	-0.00204	3	1	57.4	0
P12163_1_S1,28234	R.AEEAGGASFSSYDTR.I	1851.866	0.00329	3	1	74.9	0
P12163_1_S1,28373	R.AEEAGGASFSSYDTR.I	1851.866	0.00399	3	1	89.4	0
P12163_1_S1,28514	R.AEEAGGASFSSYDTR.I	1851.866	0.00351	3	1	58.8	0
P12163_1_S1,28654	R.AEEAGGASFSSYDTR.I	1851.866	0.00311	3	1	71.4	0
P12163_1_S1,28792	R.AEEAGGASFSSYDTR.I	1851.866	0.00365	3	1	90.4	0
P12163_1_S1,28928	R.AEEAGGASFSSYDTR.I	1851.866	0.00342	3	1	67.2	0
P12163_1_S1,29066	R.AEEAGGASFSSYDTR.I	1851.866	0.0036	3	1	80.9	0
P12163_1_S1,29205	R.AEEAGGASFSSYDTR.I	1851.866	0.00387	3	1	78.2	0
P12163_1_S1,29340	R.AEEAGGASFSSYDTR.I	1851.866	0.00228	3	1	61.5	0
P12163_1_S1,29477	R.AEEAGGASFSSYDTR.I	1851.866	0.00351	3	1	77.9	0
P12163_1_S1,29615	R.AEEAGGASFSSYDTR.I	1851.866	0.00426	3	1	87.8	0
P12163_1_S1,29752	R.AEEAGGASFSSYDTR.I	1851.866	0.00437	3	1	74.9	0
P12163_1_S1,29889	R.AEEAGGASFSSYDTR.I	1851.866	0.00383	3	1	84.8	0
P12163_1_S1,30028	R.AEEAGGASFSSYDTR.I	1851.866	0.00455	3	1	83	0
P12163_1_S1,30173	R.AEEAGGASFSSYDTR.I	1851.866	0.0023	3	1	59.6	0

P12163_1_S1,30211	R.AEEAGGASFS	1851.866	0.00378	3	1	77.1	0
P12163_1_S1,30354	R.AEEAGGASFS	1851.866	0.00221	3	1	83.6	0
P12163_1_S1,30363	R.AEEAGGASFS	1851.866	0.00462	3	1	74.9	0
P12163_1_S1,30507	R.AEEAGGASFS	1851.866	0.00342	3	1	59.3	0
P12163_1_S1,30644	R.AEEAGGASFS	1851.866	0.00324	3	1	64.7	0
P12163_1_S1,30785	R.AEEAGGASFS	1851.866	0.005	3	1	65	0
P12163_1_S1,30929	R.AEEAGGASFS	1851.866	0.00234	3	1	68.1	0
P12163_1_S1,31208	R.AEEAGGASFS	1851.866	0.00234	3	1	84.2	0
P12163_1_S1,31352	R.AEEAGGASFS	1851.866	0.00275	3	1	63.8	0
P12163_1_S1,31497	R.AEEAGGASFS	1851.866	0.00338	3	1	93.1	0
P12163_1_S1,31640	R.AEEAGGASFS	1851.866	0.00144	3	1	70.6	0
P12163_1_S1,31788	R.AEEAGGASFS	1851.866	0.00225	3	1	74.5	0
P12163_1_S1,31928	R.AEEAGGASFS	1851.866	0.00174	3	1	43.1	0
P12163_1_S10,51	R.AEEAGGASFS	1851.866	0.00464	3	1	33.8	0
P12163_1_S10,148	R.AEEAGGASFS	1851.866	0.00239	2	1	37.8	0
P12163_1_S10,295	R.AEEAGGASFS	1851.866	0.00473	3	1	91	0
P12163_1_S10,2889	R.AEEAGGASFS	1851.866	0.00431	3	1	28.8	0
P12163_1_S10,3070	R.AEEAGGASFS	1851.866	0.00435	3	1	59.5	0
P12163_1_S10,4322	R.AEEAGGASFS	1851.866	0.00644	3	1	58.5	0
P12163_1_S10,4623	R.AEEAGGASFS	1851.866	0.00225	3	1	21.9	0
P12163_1_S10,4772	R.AEEAGGASFS	1851.866	0.00336	3	1	23.9	0
P12163_1_S10,4917	R.AEEAGGASFS	1851.866	0.00525	3	1	39.3	0
P12163_1_S10,5088	R.AEEAGGASFS	1851.866	0.00414	3	1	24.7	0
P12163_1_S10,5265	R.AEEAGGASFS	1851.866	0.00342	3	1	36.4	0
P12163_1_S10,5458	R.AEEAGGASFS	1851.866	0.00671	3	1	57.3	0
P12163_1_S10,5657	R.AEEAGGASFS	1851.866	0.00183	3	1	55.6	0
P12163_1_S10,5851	R.AEEAGGASFS	1851.866	0.00138	3	1	30.8	0
P12163_1_S10,6040	R.AEEAGGASFS	1851.866	0.00135	3	1	46.7	0
P12163_1_S10,1042	R.AEEAGGASFS	1851.866	0.00338	3	1	35.4	0
P12163_1_S10,1090	R.AEEAGGASFS	1851.866	0.00743	3	1	55.6	0
P12163_1_S10,1120	R.AEEAGGASFS	1851.866	-0.00256	3	1	33.7	0
P12163_1_S10,1143	R.AEEAGGASFS	1851.866	0.00854	3	1	29.7	0
P12163_1_S10,1165	R.AEEAGGASFS	1851.866	0.00471	3	1	24.9	0
P12163_1_S10,1190	R.AEEAGGASFS	1851.866	0.00396	3	1	22.1	0
P12163_1_S10,1211	R.AEEAGGASFS	1851.866	0.00626	3	1	59.8	0
P12163_1_S10,1233	R.AEEAGGASFS	1851.866	0.00252	3	1	57.8	0
P12163_1_S10,1280	R.AEEAGGASFS	1851.866	0.00458	3	1	47.8	0
P12163_1_S10,1310	R.AEEAGGASFS	1851.866	0.00261	3	1	31.9	0
P12163_1_S10,1335	R.AEEAGGASFS	1851.866	0.00521	3	1	46.3	0
P12163_1_S10,1356	R.AEEAGGASFS	1851.866	0.00288	3	1	105	0
P12163_1_S10,1357	R.AEEAGGASFS	1851.866	0.00201	2	1	70.3	0
P12163_1_S10,1394	R.AEEAGGASFS	1851.866	0	3	1	52.9	0
P12163_1_S10,1400	R.AEEAGGASFS	1851.866	0.00433	2	1	79.2	0
P12163_1_S10,1415	R.AEEAGGASFS	1851.866	0.0023	3	1	52.9	0
P12163_1_S10,2826	R.AEEAGGASFS	1851.866	-0.00177	3	1	30.6	0
P12163_1_S10,2839	R.AEEAGGASFS	1851.866	0.003	3	1	53.3	0
P12163_1_S10,2853	R.AEEAGGASFS	1851.866	0.00122	3	1	28.2	0
P12163_1_S10,2867	R.AEEAGGASFS	1851.866	0.00534	3	1	62.1	0
P12163_1_S10,2882	R.AEEAGGASFS	1851.866	0.0014	3	1	39.3	0
P12163_1_S10,2896	R.AEEAGGASFS	1851.866	0.00324	3	1	65.3	0
P12163_1_S10,2910	R.AEEAGGASFS	1851.866	0.00257	3	1	78.8	0

P12163_1_S10,2924	R.AEEAGGASFSSYDTR.I	1851.866	0.00327	3	1	54.5	0
P12163_2_F1,11991	R.AEEAGGASFSSYDTR.I	1851.866	0.00843	2	1	28.2	0
P12163_2_F1,12483	R.AEEAGGASFSSYDTR.I	1851.866	-0.00197	2	1	44.3	0
P12163_2_F1,12504	R.AEEAGGASFSSYDTR.I	1851.866	-0.00114	3	1	36.7	0
P12163_2_F1,13091	R.AEEAGGASFSSYDTR.I	1851.866	0.00115	2	1	59.2	0
P12163_2_F10,1015	R.AEEAGGASFSSYDTR.I	1851.866	-0.00045	3	1	55.3	0
P12163_2_F10,1057	R.AEEAGGASFSSYDTR.I	1851.866	0.00491	3	1	52.2	0
P12163_2_F10,1124	R.AEEAGGASFSSYDTR.I	1851.866	0.00597	3	1	54.7	0
P12163_2_F10,1145	R.AEEAGGASFSSYDTR.I	1851.866	0.00239	3	1	62.2	0
P12163_2_F10,1195	R.AEEAGGASFSSYDTR.I	1851.866	0.01265	3	1	47.9	0
P12163_2_F10,1196	R.AEEAGGASFSSYDTR.I	1851.866	0.01056	3	1	33.2	0
P12163_2_F10,1242	R.AEEAGGASFSSYDTR.I	1851.866	0.00539	3	1	45.9	0
P12163_2_F10,1257	R.AEEAGGASFSSYDTR.I	1851.866	0.00135	2	1	35.7	0
P12163_2_F10,1305	R.AEEAGGASFSSYDTR.I	1851.866	0.00479	2	1	43	0
P12163_2_F10,1306	R.AEEAGGASFSSYDTR.I	1851.866	0.00401	3	1	87.2	0
P12163_2_F2,9934	R.AEEAGGASFSSYDTR.I	1851.866	0.00989	3	1	41.6	0
P12163_2_F2,10721	R.AEEAGGASFSSYDTR.I	1851.866	0.00374	3	1	31.9	0
P12163_2_F2,11436	R.AEEAGGASFSSYDTR.I	1851.866	-0.00253	2	1	25.6	0
P12163_2_F2,11838	R.AEEAGGASFSSYDTR.I	1851.866	0.00239	3	1	42.9	0
P12163_2_F2,11849	R.AEEAGGASFSSYDTR.I	1851.866	0.00127	2	1	74	0
P12163_2_F2,12680	R.AEEAGGASFSSYDTR.I	1851.866	-0.00483	2	1	26.8	0
P12163_2_F2,12874	R.AEEAGGASFSSYDTR.I	1851.866	0.003	3	1	65.6	0
P12163_2_F2,12926	R.AEEAGGASFSSYDTR.I	1851.866	-0.00005	2	1	76.9	0
P12163_2_F2,13559	R.AEEAGGASFSSYDTR.I	1851.866	0.00607	2	1	57.3	0
P12163_2_F4,8687	R.AEEAGGASFSSYDTR.I	1851.866	-0.00288	3	1	38.9	0
P12163_2_F4,9175	R.AEEAGGASFSSYDTR.I	1851.866	-0.00283	3	1	37.5	0
P12163_2_F4,9731	R.AEEAGGASFSSYDTR.I	1851.866	0.0014	3	1	43.7	0
P12163_2_F4,9742	R.AEEAGGASFSSYDTR.I	1851.866	0.00125	2	1	44.1	0
P12163_2_F4,10344	R.AEEAGGASFSSYDTR.I	1851.866	-0.00072	3	1	39.1	0
P12163_2_F4,10359	R.AEEAGGASFSSYDTR.I	1851.866	0.00385	2	1	42.7	0
P12163_2_F4,11039	R.AEEAGGASFSSYDTR.I	1851.866	0.00086	3	1	35.7	0
P12163_2_F4,11535	R.AEEAGGASFSSYDTR.I	1851.866	0.00216	3	1	26.9	0
P12163_2_F4,11779	R.AEEAGGASFSSYDTR.I	1851.866	0.00086	3	1	24.2	0
P12163_2_F4,11936	R.AEEAGGASFSSYDTR.I	1851.866	0.00023	2	1	44.9	0
P12163_2_F4,12438	R.AEEAGGASFSSYDTR.I	1851.866	0.00507	3	1	38.1	0
P12163_2_F4,12615	R.AEEAGGASFSSYDTR.I	1851.866	0.00617	2	1	43.1	0
P12163_2_F6,7642	R.AEEAGGASFSSYDTR.I	1851.866	0.0039	3	1	31	0
P12163_2_F6,9236	R.AEEAGGASFSSYDTR.I	1851.866	0.00669	3	1	40.1	0
P12163_2_F6,9259	R.AEEAGGASFSSYDTR.I	1851.866	0.0009	4	1	36.1	0
P12163_2_F6,9396	R.AEEAGGASFSSYDTR.I	1851.866	-0.00055	2	1	29.7	0
P12163_2_F6,9455	R.AEEAGGASFSSYDTR.I	1851.866	0.00288	3	1	31.9	0
P12163_2_F6,9852	R.AEEAGGASFSSYDTR.I	1851.866	0.00087	2	1	61.2	0
P12163_2_F6,9895	R.AEEAGGASFSSYDTR.I	1851.866	0.00297	3	1	44.4	0
P12163_2_F6,10123	R.AEEAGGASFSSYDTR.I	1851.866	0.00221	3	1	55.7	0
P12163_2_F6,10321	R.AEEAGGASFSSYDTR.I	1851.866	0.00219	2	1	74.9	0
P12163_2_F6,10346	R.AEEAGGASFSSYDTR.I	1851.866	0.00275	3	1	67	0
P12163_2_F6,10444	R.AEEAGGASFSSYDTR.I	1851.866	0.00314	4	1	35	0
P12163_2_F6,10551	R.AEEAGGASFSSYDTR.I	1851.866	0.00191	2	1	44.5	0
P12163_2_F6,10577	R.AEEAGGASFSSYDTR.I	1851.866	0.00419	3	1	62.2	0
P12163_2_F6,10910	R.AEEAGGASFSSYDTR.I	1851.866	0.00144	3	1	26.7	0
P12163_2_F6,11024	R.AEEAGGASFSSYDTR.I	1851.866	0.00213	2	1	63.7	0

P12163_2_F6,11147	R.AEEAGGASFSSYDTR.I	1851.866	0.00437	3	1	48.7	0
P12163_2_F6,11391	R.AEEAGGASFSSYDTR.I	1851.866	0.00153	3	1	63.8	0
P12163_2_F6,11566	R.AEEAGGASFSSYDTR.I	1851.866	0.00341	2	1	27	0
P12163_2_F6,11632	R.AEEAGGASFSSYDTR.I	1851.866	-0.00099	3	1	95.6	0
P12163_2_F6,11860	R.AEEAGGASFSSYDTR.I	1851.866	0.00207	3	1	53.8	0
P12163_2_F6,12094	R.AEEAGGASFSSYDTR.I	1851.866	0.00309	3	1	75.3	0
P12163_2_F6,12262	R.AEEAGGASFSSYDTR.I	1851.866	0.00393	2	1	65	0
P12163_2_F6,12311	R.AEEAGGASFSSYDTR.I	1851.866	0.00266	3	1	76.2	0
P12163_2_F6,12492	R.AEEAGGASFSSYDTR.I	1851.866	0.00229	2	1	84.4	0
P12163_2_F6,12569	R.AEEAGGASFSSYDTR.I	1851.866	0.00342	3	1	58	0
P12163_2_F6,12732	R.AEEAGGASFSSYDTR.I	1851.866	0.00291	2	1	69.5	0
P12163_2_F6,12965	R.AEEAGGASFSSYDTR.I	1851.866	0.00377	2	1	72.5	0
P12163_2_F6,13019	R.AEEAGGASFSSYDTR.I	1851.866	0.00095	3	1	80.8	0
P12163_2_F6,13161	R.AEEAGGASFSSYDTR.I	1851.866	0.00237	2	1	78.7	0
P12163_2_F6,13351	R.AEEAGGASFSSYDTR.I	1851.866	-0.00112	3	1	44	0
P12163_2_F6,13581	R.AEEAGGASFSSYDTR.I	1851.866	0.00212	3	1	35.2	0
P12163_2_F6,13679	R.AEEAGGASFSSYDTR.I	1851.866	-0.00137	2	1	63.6	0
P12163_2_F6,13820	R.AEEAGGASFSSYDTR.I	1851.866	0.00543	3	1	53.7	0
P12163_2_F6,14101	R.AEEAGGASFSSYDTR.I	1851.866	-0.00007	2	1	53.1	0
P12163_2_F6,14108	R.AEEAGGASFSSYDTR.I	1851.866	-0.00231	3	1	37.9	0
P12163_2_F6,14340	R.AEEAGGASFSSYDTR.I	1851.866	-0.00639	2	1	35	0
P12163_2_F6,14609	R.AEEAGGASFSSYDTR.I	1851.866	-0.00193	2	1	31	0
P12163_2_F6,14614	R.AEEAGGASFSSYDTR.I	1851.866	-0.00958	3	1	41.4	0
P12163_2_F6,15814	R.AEEAGGASFSSYDTR.I	1851.866	0.00617	2	1	25.5	0
P12163_2_F6,21280	R.AEEAGGASFSSYDTR.I	1851.866	0.00198	3	1	22.6	0
P12163_2_F6,21400	R.AEEAGGASFSSYDTR.I	1851.866	0.00179	2	1	31.7	0
P12163_2_F6,21627	R.AEEAGGASFSSYDTR.I	1851.866	0.00121	2	1	50	0
P12163_2_F6,22710	R.AEEAGGASFSSYDTR.I	1851.866	0.00275	3	1	23.5	0
P12163_2_F6,22920	R.AEEAGGASFSSYDTR.I	1851.866	-0.00069	3	1	45.1	0
P12163_2_F6,23731	R.AEEAGGASFSSYDTR.I	1851.866	0.00419	3	1	47.9	0
P12163_2_F6,24283	R.AEEAGGASFSSYDTR.I	1851.866	0.00084	3	1	38.5	0
P12163_2_F6,24623	R.AEEAGGASFSSYDTR.I	1851.866	0.00147	3	1	45.2	0
P12163_2_F6,24770	R.AEEAGGASFSSYDTR.I	1851.866	0.00626	3	1	31	0
P12163_2_F7,8769	R.AEEAGGASFSSYDTR.I	1851.866	0.00725	3	1	35.8	0
P12163_2_F7,8813	R.AEEAGGASFSSYDTR.I	1851.866	0.00375	2	1	46.2	0
P12163_2_F7,9227	R.AEEAGGASFSSYDTR.I	1851.866	0.00701	3	1	29.6	0
P12163_2_F7,9777	R.AEEAGGASFSSYDTR.I	1851.866	-0.0009	3	1	40.5	0
P12163_2_F7,11040	R.AEEAGGASFSSYDTR.I	1851.866	0.01275	2	1	30	0
P12163_2_F7,11064	R.AEEAGGASFSSYDTR.I	1851.866	0.00806	3	1	84.4	0
P12163_2_F7,11279	R.AEEAGGASFSSYDTR.I	1851.866	-0.00049	3	1	46.4	0
P12163_2_F7,11515	R.AEEAGGASFSSYDTR.I	1851.866	0.00243	2	1	66.6	0
P12163_2_F7,11542	R.AEEAGGASFSSYDTR.I	1851.866	0.00135	3	1	81	0
P12163_2_F7,11754	R.AEEAGGASFSSYDTR.I	1851.866	0.00252	3	1	44.5	0
P12163_2_F7,12193	R.AEEAGGASFSSYDTR.I	1851.866	0.00207	3	1	93.6	0
P12163_2_F8_1207C	R.AEEAGGASFSSYDTR.I	1851.866	0.00212	3	1	50	0
P12163_2_F8_1207C	R.AEEAGGASFSSYDTR.I	1851.866	0.00315	3	1	56.2	0
P12163_2_F8_1207C	R.AEEAGGASFSSYDTR.I	1851.866	0.00329	3	1	50.2	0
P12163_2_F8_1207C	R.AEEAGGASFSSYDTR.I	1851.866	0.0039	3	1	45.6	0
P12163_2_F8_1207C	R.AEEAGGASFSSYDTR.I	1851.866	0.00115	2	1	56.6	0
P12163_2_F8_1207C	R.AEEAGGASFSSYDTR.I	1851.866	0.00126	3	1	62.4	0
P12163_2_F8_1207C	R.AEEAGGASFSSYDTR.I	1851.866	0.00387	3	1	44.7	0

P12163_2_F8_12070	R.AEEAGGASFSSYDTR.I	1851.866	0.00345	2	1	80.6	0
P12163_2_F9,12403	R.AEEAGGASFSSYDTR.I	1851.866	0.00408	3	1	34.4	0
P12163_2_F9,12427	R.AEEAGGASFSSYDTR.I	1851.866	0.00623	2	1	25.2	0
P12163_2_F9,13103	R.AEEAGGASFSSYDTR.I	1851.866	0.00779	3	1	43.1	0
P12163_2_S3,11814	R.AEEAGGASFSSYDTR.I	1851.866	0.00329	3	1	62.7	0
P12163_2_S3,12368	R.AEEAGGASFSSYDTR.I	1851.866	0.00561	3	1	35.2	0
P12163_2_S3,12372	R.AEEAGGASFSSYDTR.I	1851.866	0.00445	2	1	28.1	0
P12163_2_S5,11252	R.AEEAGGASFSSYDTR.I	1851.866	0.00318	3	1	28.7	0
P12163_2_S5,11981	R.AEEAGGASFSSYDTR.I	1851.866	0.00311	3	1	44.5	0
P12163_2_S5,12545	R.AEEAGGASFSSYDTR.I	1851.866	-0.00645	2	1	33.9	0
P12163_2_S5,13142	R.AEEAGGASFSSYDTR.I	1851.866	-0.00007	2	1	35.7	0
P12163_2_S5,13155	R.AEEAGGASFSSYDTR.I	1851.866	0.00009	3	1	48.6	0
P12163_1_F4,5365	R.AGGGGQVR.T	1005.574	0.00009	2	1	23.9	0
P12163_1_F4,25587	R.AGGGGQVR.T	1005.574	0.00271	2	1	25.1	0
P12163_1_F4,27106	R.AGGGGQVR.T	1005.574	0.00365	2	1	27.8	0
P12163_1_F4,27557	R.AGGGGQVR.T	1005.574	0.00335	2	1	24.4	0
P12163_1_F4,28094	R.AGGGGQVR.T	1005.574	0.00319	2	1	25.2	0
P12163_1_F9,4645	R.AGGGGQVR.T	1005.574	0.00053	2	1	24.2	0
P12163_1_F4,6896	R.AQAGGENK.D	1382.785	0.00825	2	1	24.5	0
P12163_1_F5,5854	R.AQAGGENK.D	1382.785	0.00507	3	1	40.5	0
P12163_1_F6,23891	R.AQAGGENK.D	1382.785	0.00225	2	1	25	0
P12163_1_F8,6089	R.AQAGGENK.D	1382.785	0.00174	3	1	34.5	0
P12163_1_F8,6702	R.AQAGGENK.D	1382.785	0.00251	2	1	24.6	0
P12163_2_F1,6189	R.AQAGGENK.D	1382.785	0.00567	2	1	24.9	0
P12163_2_F1,6267	R.AQAGGENK.D	1382.785	0.00567	3	1	24.7	0
P12163_2_F2,6761	R.AQAGGENK.D	1382.785	0.0051	3	1	40.8	0
P12163_2_F6,5971	R.AQAGGENK.D	1382.785	0.00036	3	1	34.7	0
P12163_2_S5,6194	R.AQAGGENK.D	1382.785	0.00015	3	1	30.6	0
P12163_2_S5,6938	R.AQAGGENK.D	1382.785	0.01668	3	1	29.7	0
P12163_1_F4,15359	R.FDM*PGLSK.E	1518.845	0.00408	3	1	30.3	0
P12163_1_F4,15518	R.FDM*PGLSK.E	1518.845	0.0045	2	1	29	0
P12163_1_F4,15807	R.FDM*PGLSK.E	1518.845	0.00202	2	1	28.7	0
P12163_1_F4,15921	R.FDM*PGLSK.E	1518.845	0.01257	3	1	28.2	0
P12163_1_F4,17145	R.FDM*PGLSK.E	1518.845	0.00976	2	1	28.3	0
P12163_1_F4,17230	R.FDM*PGLSK.E	1518.845	0.00273	3	1	25.5	0
P12163_1_F4,17494	R.FDM*PGLSK.E	1518.845	0.00438	3	1	22.5	0
P12163_1_F4,17944	R.FDM*PGLSK.E	1518.845	0.00758	2	1	28.7	0
P12163_1_F4,18385	R.FDM*PGLSK.E	1518.845	0.0138	3	1	24.2	0
P12163_1_F4,19004	R.FDM*PGLSK.E	1518.845	0.00582	3	1	27.8	0
P12163_1_F4,19074	R.FDM*PGLSK.E	1518.845	0.00676	2	1	24.6	0
P12163_1_F4,19653	R.FDM*PGLSK.E	1518.845	0.01464	3	1	29.6	0
P12163_1_F4,19675	R.FDM*PGLSK.E	1518.845	0.01776	2	1	28.7	0
P12163_1_F4,19845	R.FDM*PGLSK.E	1518.845	0.01203	3	1	30.6	0
P12163_1_F4,19854	R.FDM*PGLSK.E	1518.845	0.0115	2	1	28.8	0
P12163_1_F4,20046	R.FDM*PGLSK.E	1518.845	0.01134	3	1	30.7	0
P12163_1_F4,20061	R.FDM*PGLSK.E	1518.845	0.0138	2	1	28.9	0
P12163_1_F4,20302	R.FDM*PGLSK.E	1518.845	0.00724	2	1	28.6	0
P12163_1_F4,20565	R.FDM*PGLSK.E	1518.845	0.00512	2	1	28.3	0
P12163_1_F4,23101	R.FDM*PGLSK.E	1518.845	0.00801	3	1	23.4	0
P12163_1_F4,23287	R.FDM*PGLSK.E	1518.845	0.00844	2	1	28.8	0
P12163_1_F4,23547	R.FDM*PGLSK.E	1518.845	0.00758	2	1	28.6	0

P12163_1_F4,23681	R.FDM*PGLSK.E	1518.845	0.00507	3	1	33.7	0
P12163_1_F4,23818	R.FDM*PGLSK.E	1518.845	0.00544	2	1	28.8	0
P12163_1_F4,24179	R.FDM*PGLSK.E	1518.845	0.00808	2	1	28.7	0
P12163_1_F4,24180	R.FDM*PGLSK.E	1518.845	0.00582	3	1	33.7	0
P12163_1_F4,24461	R.FDM*PGLSK.E	1518.845	0.00576	3	1	30.6	0
P12163_1_F4,24464	R.FDM*PGLSK.E	1518.845	0.00704	2	1	28.9	0
P12163_1_F4,25196	R.FDM*PGLSK.E	1518.845	0.00255	3	1	26	0
P12163_1_F4,25689	R.FDM*PGLSK.E	1518.845	0.00555	3	1	27.8	0
P12163_1_F4,25708	R.FDM*PGLSK.E	1518.845	0.00486	2	1	28.8	0
P12163_1_F4,25949	R.FDM*PGLSK.E	1518.845	0.00826	2	1	24	0
P12163_1_F4,26413	R.FDM*PGLSK.E	1518.845	0.0071	2	1	30.1	0
P12163_1_F4,26824	R.FDM*PGLSK.E	1518.845	0.00615	3	1	28	0
P12163_1_F5,14178	R.FDM*PGLSK.E	1518.845	0.00588	3	1	29	0
P12163_1_F5,14280	R.FDM*PGLSK.E	1518.845	0.00746	2	1	28.8	0
P12163_1_F5,17072	R.FDM*PGLSK.E	1518.845	0.00705	3	1	25.4	0
P12163_1_F5,18704	R.FDM*PGLSK.E	1518.845	0.00768	3	1	26.8	0
P12163_1_F5,18887	R.FDM*PGLSK.E	1518.845	0.00606	2	1	28.4	0
P12163_1_F6,782	R.FDM*PGLSK.E	1518.845	0.00756	3	1	22.5	0
P12163_1_F6,14932	R.FDM*PGLSK.E	1518.845	0.0074	2	1	27.5	0
P12163_1_F6,18977	R.FDM*PGLSK.E	1518.845	0.00806	2	1	28.8	0
P12163_1_F6,22220	R.FDM*PGLSK.E	1518.845	0.0061	2	1	28.8	0
P12163_1_F7,14156	R.FDM*PGLSK.E	1518.845	0.00627	3	1	23.2	0
P12163_1_F7,14169	R.FDM*PGLSK.E	1518.845	0.0061	2	1	29.9	0
P12163_1_F7,17522	R.FDM*PGLSK.E	1518.845	0.00294	3	1	28.8	0
P12163_1_F7,17707	R.FDM*PGLSK.E	1518.845	0.00438	2	1	27.2	0
P12163_1_F7,17732	R.FDM*PGLSK.E	1518.845	0.00195	3	1	34.8	0
P12163_1_F7,18123	R.FDM*PGLSK.E	1518.845	0.00597	3	1	28.2	0
P12163_1_F7,18157	R.FDM*PGLSK.E	1518.845	0.00672	2	1	28.8	0
P12163_1_F8,228	R.FDM*PGLSK.E	1518.845	0.00328	2	1	26.7	0
P12163_1_F8,230	R.FDM*PGLSK.E	1518.845	0.00207	3	1	23.1	0
P12163_1_F8,438	R.FDM*PGLSK.E	1518.845	0.00252	3	1	22.1	0
P12163_1_F8,593	R.FDM*PGLSK.E	1518.845	0.00346	2	1	25.6	0
P12163_1_F8,618	R.FDM*PGLSK.E	1518.845	0.00264	3	1	25	0
P12163_1_F8,18517	R.FDM*PGLSK.E	1518.845	0.00147	3	1	31.1	0
P12163_1_F8,19941	R.FDM*PGLSK.E	1518.845	0.00513	3	1	25.4	0
P12163_1_F9,18470	R.FDM*PGLSK.E	1518.845	0.00526	2	1	24.8	0
P12163_1_F9,18946	R.FDM*PGLSK.E	1518.845	0.00561	3	1	26.3	0
P12163_1_S10,1804	R.FDM*PGLSK.E	1518.845	0.00726	3	1	25.8	0
P12163_2_F1,14301	R.FDM*PGLSK.E	1518.845	0.01035	3	1	26.8	0
P12163_2_F1,14426	R.FDM*PGLSK.E	1518.845	0.0059	2	1	28.9	0
P12163_2_F1,14907	R.FDM*PGLSK.E	1518.845	0.00766	2	1	28.8	0
P12163_2_F1,15113	R.FDM*PGLSK.E	1518.845	0.00672	2	1	28.6	0
P12163_2_F1,15283	R.FDM*PGLSK.E	1518.845	0.00699	3	1	23.2	0
P12163_2_F1,16731	R.FDM*PGLSK.E	1518.845	0.00726	2	1	26.4	0
P12163_2_F1,18989	R.FDM*PGLSK.E	1518.845	0.00921	3	1	29.3	0
P12163_2_F1,19091	R.FDM*PGLSK.E	1518.845	0.0132	2	1	28.6	0
P12163_2_F1,19190	R.FDM*PGLSK.E	1518.845	0.01239	3	1	30.1	0
P12163_2_F1,19288	R.FDM*PGLSK.E	1518.845	0.01074	2	1	28.2	0
P12163_2_F1,19924	R.FDM*PGLSK.E	1518.845	0.00702	3	1	31.7	0
P12163_2_F1,24757	R.FDM*PGLSK.E	1518.845	0.00132	3	1	33.9	0
P12163_2_F1,25006	R.FDM*PGLSK.E	1518.845	0.00126	3	1	34.1	0

P12163_2_F1,25645	R.FDM*PGLSK.E	1518.845	0.0075	3	1	22.5	0
P12163_2_F1,25838	R.FDM*PGLSK.E	1518.845	0.00657	3	1	29.5	0
P12163_2_F1,26011	R.FDM*PGLSK.E	1518.845	0.00051	3	1	28	0
P12163_2_F1,26333	R.FDM*PGLSK.E	1518.845	0.00582	3	1	24.7	0
P12163_2_F1,26916	R.FDM*PGLSK.E	1518.845	0.00123	3	1	26	0
P12163_2_F1,27327	R.FDM*PGLSK.E	1518.845	0.00222	3	1	26.7	0
P12163_2_F2,50	R.FDM*PGLSK.E	1518.845	0.00754	2	1	28.5	0
P12163_2_F2,70	R.FDM*PGLSK.E	1518.845	0.00777	3	1	24	0
P12163_2_F2,272	R.FDM*PGLSK.E	1518.845	0.00654	2	1	28.6	0
P12163_2_F2,665	R.FDM*PGLSK.E	1518.845	0.00626	2	1	28.7	0
P12163_2_F2,869	R.FDM*PGLSK.E	1518.845	0.00772	2	1	29.8	0
P12163_2_F2,1064	R.FDM*PGLSK.E	1518.845	0.00632	2	1	30.8	0
P12163_2_F2,1257	R.FDM*PGLSK.E	1518.845	0.00664	2	1	30.4	0
P12163_2_F2,1445	R.FDM*PGLSK.E	1518.845	0.00756	2	1	30	0
P12163_2_F2,1625	R.FDM*PGLSK.E	1518.845	0.00676	2	1	28.5	0
P12163_2_F2,1642	R.FDM*PGLSK.E	1518.845	0.00558	3	1	26.8	0
P12163_2_F2,1812	R.FDM*PGLSK.E	1518.845	0.00658	2	1	28.6	0
P12163_2_F2,2004	R.FDM*PGLSK.E	1518.845	0.0065	2	1	27.4	0
P12163_2_F2,2374	R.FDM*PGLSK.E	1518.845	0.00654	2	1	31.3	0
P12163_2_F2,3683	R.FDM*PGLSK.E	1518.845	0.00726	2	1	28.7	0
P12163_2_F2,3770	R.FDM*PGLSK.E	1518.845	0.00543	3	1	28.3	0
P12163_2_F4,13265	R.FDM*PGLSK.E	1518.845	0.00072	3	1	22.8	0
P12163_2_F4,13477	R.FDM*PGLSK.E	1518.845	0.00186	2	1	28	0
P12163_2_F4,15796	R.FDM*PGLSK.E	1518.845	0.00111	3	1	28.1	0
P12163_2_F4,17105	R.FDM*PGLSK.E	1518.845	0	3	1	22.7	0
P12163_2_F4,17331	R.FDM*PGLSK.E	1518.845	0.00183	3	1	28.3	0
P12163_2_F4,17347	R.FDM*PGLSK.E	1518.845	0.0008	2	1	26	0
P12163_2_F4,23403	R.FDM*PGLSK.E	1518.845	-0.00051	3	1	24.1	0
P12163_2_F6,14360	R.FDM*PGLSK.E	1518.845	0.00093	3	1	23.5	0
P12163_2_F6,18525	R.FDM*PGLSK.E	1518.845	0.00536	2	1	26.6	0
P12163_2_F9,13720	R.FDM*PGLSK.E	1518.845	0.00474	3	1	26.5	0
P12163_2_S3,12444	R.FDM*PGLSK.E	1518.845	-0.00018	3	1	24.8	0
P12163_2_S5,12508	R.FDM*PGLSK.E	1518.845	0.00639	3	1	23	0
P12163_2_S5,13220	R.FDM*PGLSK.E	1518.845	0.00207	3	1	25.8	0
P12163_2_S5,13843	R.FDM*PGLSK.E	1518.845	0.00688	2	1	28.7	0
P12163_2_S5,17057	R.FDM*PGLSK.E	1518.845	0.00156	2	1	26.9	0
P12163_1_F3,17901	R.FDMPGLSK.E	1502.85	0.0022	3	1	26.7	0
P12163_1_F4,19700	R.FDMPGLSK.E	1502.85	0.00223	3	1	27.8	0
P12163_1_F4,20087	R.FDMPGLSK.E	1502.85	0.00286	3	1	27.4	0
P12163_1_F7,16436	R.FDMPGLSK.E	1502.85	0.00274	3	1	30.1	0
P12163_1_F7,17716	R.FDMPGLSK.E	1502.85	0.00142	3	1	28	0
P12163_1_F9,17532	R.FDMPGLSK.E	1502.85	-0.00011	3	1	23.4	0
P12163_1_F9,18650	R.FDMPGLSK.E	1502.85	0.00274	3	1	26.1	0
P12163_2_F1,19126	R.FDMPGLSK.E	1502.85	0.0028	2	1	25.1	0
P12163_2_F1,19425	R.FDMPGLSK.E	1502.85	0.00139	3	1	27.2	0
P12163_2_F1,19645	R.FDMPGLSK.E	1502.85	0.00091	3	1	27.2	0
P12163_2_F1,24048	R.FDMPGLSK.E	1502.85	0.00253	3	1	24.5	0
P12163_2_F4,16008	R.FDMPGLSK.E	1502.85	0.00097	3	1	27	0
P12163_2_F4,17123	R.FDMPGLSK.E	1502.85	0.00088	3	1	24.8	0
P12163_2_F4,17324	R.FDMPGLSK.E	1502.85	0.00102	2	1	25.3	0
P12163_2_F4,17329	R.FDMPGLSK.E	1502.85	-0.0002	3	1	28	0

P12163_2_F4,17536 R.FDMPGLSK.E	1502.85	-0.00008	2	1	28.5	0
P12163_2_F9,17388 R.FDMPGLSK.E	1502.85	0.00118	3	1	28.9	0
P12163_2_S3,14791 R.FDMPGLSK.E	1502.85	-0.00122	3	1	28	0
P12163_2_S3,14991 R.FDMPGLSK.E	1502.85	0.00118	3	1	25.4	0
P12163_2_S3,15862 R.FDMPGLSK.E	1502.85	0.00194	2	1	24.1	0
P12163_2_S3,15879 R.FDMPGLSK.E	1502.85	0.00136	3	1	26.3	0
P12163_2_S5,16878 R.FDMPGLSK.E	1502.85	0.00088	3	1	27.6	0
P12163_2_S5,17095 R.FDMPGLSK.E	1502.85	0.00142	3	1	29.1	0
P12163_1_F3,20856 R.KVIDVQIL.-	1535.998	0.0041	2	1	29.4	0
P12163_1_F4,20882 R.KVIDVQIL.-	1535.998	0.01028	2	1	37.4	0
P12163_1_F4,20898 R.KVIDVQIL.-	1535.998	0.0102	3	1	34.5	0
P12163_1_F4,21447 R.KVIDVQIL.-	1535.998	0.00818	2	1	34	0
P12163_1_F4,21876 R.KVIDVQIL.-	1535.998	0.0039	2	1	33.5	0
P12163_1_F4,22094 R.KVIDVQIL.-	1535.998	0.00294	2	1	38.2	0
P12163_1_F4,22346 R.KVIDVQIL.-	1535.998	0.00622	2	1	36.4	0
P12163_1_F4,22584 R.KVIDVQIL.-	1535.998	0.00694	2	1	32.4	0
P12163_1_F5,19784 R.KVIDVQIL.-	1535.998	0.00786	2	1	37	0
P12163_1_F5,20406 R.KVIDVQIL.-	1535.998	0.00876	2	1	39	0
P12163_1_F5,20972 R.KVIDVQIL.-	1535.998	0.00498	2	1	38.3	0
P12163_1_F5,21200 R.KVIDVQIL.-	1535.998	0.00752	2	1	35.5	0
P12163_1_F5,21892 R.KVIDVQIL.-	1535.998	0.00398	2	1	33.4	0
P12163_1_F5,22486 R.KVIDVQIL.-	1535.998	0.00944	2	1	38	0
P12163_1_F5,22696 R.KVIDVQIL.-	1535.998	0.0068	2	1	40	0
P12163_1_F5,23350 R.KVIDVQIL.-	1535.998	0.0076	2	1	38.2	0
P12163_1_F5,23540 R.KVIDVQIL.-	1535.998	0.00632	2	1	36.3	0
P12163_1_F6,189 R.KVIDVQIL.-	1535.998	0.00945	3	1	28.4	0
P12163_1_F6,316 R.KVIDVQIL.-	1535.998	0.0077	2	1	31.1	0
P12163_1_F6,3782 R.KVIDVQIL.-	1535.998	0.00942	2	1	37.8	0
P12163_1_F6,20787 R.KVIDVQIL.-	1535.998	0.0072	2	1	36.9	0
P12163_1_F6,21126 R.KVIDVQIL.-	1535.998	0.00464	2	1	40.3	0
P12163_1_F7,18553 R.KVIDVQIL.-	1535.998	0.00016	2	1	37.1	0
P12163_1_F7,19615 R.KVIDVQIL.-	1535.998	0.00362	2	1	34.7	0
P12163_1_F7,19814 R.KVIDVQIL.-	1535.998	0.00351	3	1	29.1	0
P12163_1_F7,19828 R.KVIDVQIL.-	1535.998	0.00352	2	1	32.8	0
P12163_1_F7,20045 R.KVIDVQIL.-	1535.998	0.00486	2	1	38.3	0
P12163_1_F7,20476 R.KVIDVQIL.-	1535.998	0.00244	2	1	35.7	0
P12163_1_F7,20719 R.KVIDVQIL.-	1535.998	0.00094	2	1	31.3	0
P12163_1_F7,20962 R.KVIDVQIL.-	1535.998	0.0042	2	1	29.1	0
P12163_1_S10,1921 R.KVIDVQIL.-	1535.998	0.0082	2	1	47.7	0
P12163_2_F1,20299 R.KVIDVQIL.-	1535.998	0.00674	2	1	29.9	0
P12163_2_F1,20324 R.KVIDVQIL.-	1535.998	0.00276	3	1	32.4	0
P12163_2_F1,21091 R.KVIDVQIL.-	1535.998	0.00508	2	1	35.6	0
P12163_2_F1,21508 R.KVIDVQIL.-	1535.998	0.0021	2	1	33.3	0
P12163_2_F1,21738 R.KVIDVQIL.-	1535.998	0.00566	2	1	38	0
P12163_2_F1,21979 R.KVIDVQIL.-	1535.998	0.00542	2	1	38	0
P12163_2_F2,20928 R.KVIDVQIL.-	1535.998	0.00168	2	1	29.2	0
P12163_2_F2,21373 R.KVIDVQIL.-	1535.998	0.0005	2	1	32.3	0
P12163_2_F2,21585 R.KVIDVQIL.-	1535.998	0.00634	2	1	35.9	0
P12163_2_F2,21791 R.KVIDVQIL.-	1535.998	0.0075	2	1	32	0
P12163_2_F4,18201 R.KVIDVQIL.-	1535.998	0.00087	3	1	34.9	0
P12163_2_F4,19216 R.KVIDVQIL.-	1535.998	0.00162	2	1	33.7	0

P12163_2_F4,19529 R.KVIDVQIL.-	1535.998	0.00242	2	1	29.5	0
P12163_2_F9,17825 R.KVIDVQIL.-	1535.998	-0.00012	3	1	41.2	0
P12163_2_S5,17603 R.KVIDVQIL.-	1535.998	0.00063	3	1	35.3	0
P12163_2_S5,18491 R.KVIDVQIL.-	1535.998	0.00093	3	1	27.7	0
P12163_2_S5,18502 R.KVIDVQIL.-	1535.998	0.00276	2	1	34	0
P12163_2_S5,18714 R.KVIDVQIL.-	1535.998	0.00048	3	1	38.6	0
P12163_2_S5,18737 R.KVIDVQIL.-	1535.998	0.00212	2	1	37.6	0
P12163_2_S5,18940 R.KVIDVQIL.-	1535.998	0.00018	3	1	33.6	0
P12163_2_S5,18968 R.KVIDVQIL.-	1535.998	0.00352	2	1	36.3	0
P12163_2_S5,19184 R.KVIDVQIL.-	1535.998	0.0042	3	1	30.2	0
P12163_1_F2,16634 R.LLEDTM*AFPGR.S	1569.825	0.00135	3	1	28.1	0
P12163_1_F2,18781 R.LLEDTM*AFPGR.S	1569.825	0.0024	3	1	35.5	0
P12163_1_F2,22248 R.LLEDTM*AFPGR.S	1569.825	0.00339	2	1	31.7	0
P12163_1_F2,22458 R.LLEDTM*AFPGR.S	1569.825	0.00381	2	1	30.1	0
P12163_1_F4,23952 R.LLEDTM*AFPGR.S	1569.825	0.00331	2	1	36.1	0
P12163_1_F4,24201 R.LLEDTM*AFPGR.S	1569.825	0.00393	2	1	30.6	0
P12163_1_F5,19087 R.LLEDTM*AFPGR.S	1569.825	0.00297	2	1	31.6	0
P12163_1_F5,19571 R.LLEDTM*AFPGR.S	1569.825	0.00447	2	1	26.1	0
P12163_1_F5,21809 R.LLEDTM*AFPGR.S	1569.825	0.00231	2	1	27.8	0
P12163_1_F6,21924 R.LLEDTM*AFPGR.S	1569.825	0.00671	2	1	26.8	0
P12163_1_F6,22225 R.LLEDTM*AFPGR.S	1569.825	0.00483	2	1	31.3	0
P12163_1_F7,15992 R.LLEDTM*AFPGR.S	1569.825	0.00012	3	1	34.7	0
P12163_1_F7,21373 R.LLEDTM*AFPGR.S	1569.825	0.00315	2	1	26.1	0
P12163_1_F8,16789 R.LLEDTM*AFPGR.S	1569.825	0.00573	3	1	22.5	0
P12163_1_F8,17287 R.LLEDTM*AFPGR.S	1569.825	0.00231	2	1	31.8	0
P12163_1_F8,17489 R.LLEDTM*AFPGR.S	1569.825	0.00329	2	1	35.8	0
P12163_1_F8,17687 R.LLEDTM*AFPGR.S	1569.825	0.00017	2	1	24.9	0
P12163_1_F8,18812 R.LLEDTM*AFPGR.S	1569.825	0.00228	3	1	23.1	0
P12163_1_F8,22201 R.LLEDTM*AFPGR.S	1569.825	0.00379	2	1	35.7	0
P12163_1_F8,22277 R.LLEDTM*AFPGR.S	1569.825	0.00375	3	1	37.1	0
P12163_1_S1,15728 R.LLEDTM*AFPGR.S	1569.825	0.00078	3	1	27.8	0
P12163_1_S1,16146 R.LLEDTM*AFPGR.S	1569.825	-0.00234	3	1	36.7	0
P12163_1_S1,16406 R.LLEDTM*AFPGR.S	1569.825	0.00474	3	1	38.1	0
P12163_1_S1,16931 R.LLEDTM*AFPGR.S	1569.825	0.00282	3	1	46.8	0
P12163_1_S1,17847 R.LLEDTM*AFPGR.S	1569.825	0.00237	3	1	33.5	0
P12163_1_S1,18094 R.LLEDTM*AFPGR.S	1569.825	0.01185	3	1	33.5	0
P12163_1_S1,18324 R.LLEDTM*AFPGR.S	1569.825	0.00417	3	1	38.3	0
P12163_1_S1,18669 R.LLEDTM*AFPGR.S	1569.825	0.00057	3	1	81.9	0
P12163_1_S1,18892 R.LLEDTM*AFPGR.S	1569.825	-0.00024	3	1	71.3	0
P12163_1_S1,19067 R.LLEDTM*AFPGR.S	1569.825	-0.00023	2	1	30	0
P12163_1_S1,19129 R.LLEDTM*AFPGR.S	1569.825	0.00021	3	1	75.2	0
P12163_1_S1,19323 R.LLEDTM*AFPGR.S	1569.825	0.00421	2	1	29.2	0
P12163_1_S1,19376 R.LLEDTM*AFPGR.S	1569.825	0.00192	3	1	47.6	0
P12163_1_S1,19774 R.LLEDTM*AFPGR.S	1569.825	0.00174	3	1	53.6	0
P12163_1_S1,19984 R.LLEDTM*AFPGR.S	1569.825	0.00216	3	1	70.6	0
P12163_1_S1,20257 R.LLEDTM*AFPGR.S	1569.825	0.00102	3	1	52.4	0
P12163_1_S1,20686 R.LLEDTM*AFPGR.S	1569.825	0.00252	3	1	39.2	0
P12163_1_S1,20922 R.LLEDTM*AFPGR.S	1569.825	-0.00726	3	1	31.4	0
P12163_1_S1,21195 R.LLEDTM*AFPGR.S	1569.825	0.00891	2	1	26.3	0
P12163_1_S1,21367 R.LLEDTM*AFPGR.S	1569.825	0.01115	2	1	35.9	0
P12163_1_S1,21545 R.LLEDTM*AFPGR.S	1569.825	0.01065	2	1	35.7	0

P12163_1_S1,21636	R.LLEDTM*AFPGR.S	1569.825	0.0072	3	1	57.4	0
P12163_1_S1,21938	R.LLEDTM*AFPGR.S	1569.825	0.00876	3	1	25	0
P12163_1_S1,22279	R.LLEDTM*AFPGR.S	1569.825	0.00375	3	1	41.7	0
P12163_1_S1,23047	R.LLEDTM*AFPGR.S	1569.825	0.00612	3	1	26.1	0
P12163_1_S1,23267	R.LLEDTM*AFPGR.S	1569.825	-0.00143	2	1	27.6	0
P12163_1_S1,23277	R.LLEDTM*AFPGR.S	1569.825	0.00126	3	1	47.5	0
P12163_1_S1,23499	R.LLEDTM*AFPGR.S	1569.825	0.00186	3	1	39.4	0
P12163_1_S1,24456	R.LLEDTM*AFPGR.S	1569.825	0.00273	3	1	34.3	0
P12163_1_S1,24652	R.LLEDTM*AFPGR.S	1569.825	0.00339	3	1	35.9	0
P12163_1_S1,24827	R.LLEDTM*AFPGR.S	1569.825	0.00378	3	1	40.1	0
P12163_1_S1,25016	R.LLEDTM*AFPGR.S	1569.825	0.00435	3	1	34.9	0
P12163_1_S1,25183	R.LLEDTM*AFPGR.S	1569.825	0.00483	3	1	40.5	0
P12163_1_S1,25350	R.LLEDTM*AFPGR.S	1569.825	0.00351	3	1	30.8	0
P12163_1_S1,25518	R.LLEDTM*AFPGR.S	1569.825	0.00147	3	1	46.5	0
P12163_1_S1,25715	R.LLEDTM*AFPGR.S	1569.825	0.00324	3	1	35.2	0
P12163_1_S1,25888	R.LLEDTM*AFPGR.S	1569.825	0.00501	3	1	27.3	0
P12163_1_S1,26060	R.LLEDTM*AFPGR.S	1569.825	0.00282	3	1	23	0
P12163_1_S1,26209	R.LLEDTM*AFPGR.S	1569.825	0.00054	3	1	32.1	0
P12163_1_S1,26355	R.LLEDTM*AFPGR.S	1569.825	0.00351	3	1	21.9	0
P12163_1_S1,26497	R.LLEDTM*AFPGR.S	1569.825	0.00471	3	1	22.8	0
P12163_1_S1,26659	R.LLEDTM*AFPGR.S	1569.825	-0.00024	3	1	21.9	0
P12163_1_S1,27036	R.LLEDTM*AFPGR.S	1569.825	0.00243	3	1	27.4	0
P12163_1_S1,27199	R.LLEDTM*AFPGR.S	1569.825	0.00084	3	1	34.8	0
P12163_1_S1,28529	R.LLEDTM*AFPGR.S	1569.825	0.0015	3	1	24.3	0
P12163_1_S1,29109	R.LLEDTM*AFPGR.S	1569.825	0.00054	3	1	26.3	0
P12163_1_S1,29697	R.LLEDTM*AFPGR.S	1569.825	0.00402	3	1	22.1	0
P12163_1_S1,30904	R.LLEDTM*AFPGR.S	1569.825	0.00627	3	1	26.7	0
P12163_1_S1,31205	R.LLEDTM*AFPGR.S	1569.825	0.0039	3	1	29.6	0
P12163_1_S1,31366	R.LLEDTM*AFPGR.S	1569.825	0.00471	3	1	44.5	0
P12163_1_S1,31514	R.LLEDTM*AFPGR.S	1569.825	0.00216	3	1	24	0
P12163_1_S1,31672	R.LLEDTM*AFPGR.S	1569.825	0.00099	3	1	44.1	0
P12163_1_S1,31970	R.LLEDTM*AFPGR.S	1569.825	0.00612	3	1	22.5	0
P12163_1_S10,5	R.LLEDTM*AFPGR.S	1569.825	0.00511	2	1	34.7	0
P12163_1_S10,7	R.LLEDTM*AFPGR.S	1569.825	0.00387	3	1	43.9	0
P12163_1_S10,237	R.LLEDTM*AFPGR.S	1569.825	0.00399	3	1	59.4	0
P12163_1_S10,443	R.LLEDTM*AFPGR.S	1569.825	0.00339	3	1	56.3	0
P12163_1_S10,444	R.LLEDTM*AFPGR.S	1569.825	0.00411	2	1	40.6	0
P12163_1_S10,610	R.LLEDTM*AFPGR.S	1569.825	0.00453	3	1	40.1	0
P12163_1_S10,1132	R.LLEDTM*AFPGR.S	1569.825	0.00303	3	1	28.2	0
P12163_1_S10,3730	R.LLEDTM*AFPGR.S	1569.825	-0.00069	3	1	55.6	0
P12163_1_S10,1854	R.LLEDTM*AFPGR.S	1569.825	0.00123	3	1	31.2	0
P12163_1_S10,1866	R.LLEDTM*AFPGR.S	1569.825	0.00403	2	1	35.3	0
P12163_2_F1,19796	R.LLEDTM*AFPGR.S	1569.825	0.00113	2	1	27.8	0
P12163_2_F1,22715	R.LLEDTM*AFPGR.S	1569.825	0.00219	2	1	28.5	0
P12163_2_F4,15646	R.LLEDTM*AFPGR.S	1569.825	0.00213	3	1	27.1	0
P12163_2_F4,18492	R.LLEDTM*AFPGR.S	1569.825	0.00331	2	1	35.5	0
P12163_2_F6,14274	R.LLEDTM*AFPGR.S	1569.825	0.00024	3	1	47.1	0
P12163_2_F6,16642	R.LLEDTM*AFPGR.S	1569.825	0.00493	2	1	25.9	0
P12163_2_F6,16852	R.LLEDTM*AFPGR.S	1569.825	0.00423	2	1	30.9	0
P12163_2_F6,21844	R.LLEDTM*AFPGR.S	1569.825	0.00475	2	1	31.9	0
P12163_1_F3,22987	R.LLEDTMAFPGR.S	1553.83	0.01621	2	1	24	0

P12163_1_F3,23239	R.LLEDTMAFPGR.S	1553.83	0.00761	2	1	38.9	0
P12163_1_F4,19463	R.LLEDTMAFPGR.S	1553.83	0.00099	3	1	37.9	0
P12163_1_F4,19489	R.LLEDTMAFPGR.S	1553.83	0.00387	2	1	31.4	0
P12163_1_F4,23655	R.LLEDTMAFPGR.S	1553.83	0.00653	2	1	24.9	0
P12163_1_F4,23915	R.LLEDTMAFPGR.S	1553.83	0.00333	2	1	52.2	0
P12163_1_F5,18634	R.LLEDTMAFPGR.S	1553.83	0.00141	3	1	28.6	0
P12163_1_F5,20365	R.LLEDTMAFPGR.S	1553.83	0.00175	2	1	27.7	0
P12163_1_F5,22004	R.LLEDTMAFPGR.S	1553.83	0.00207	2	1	52.3	0
P12163_1_F5,22268	R.LLEDTMAFPGR.S	1553.83	0.00175	2	1	51.4	0
P12163_1_F5,22491	R.LLEDTMAFPGR.S	1553.83	0.00495	2	1	24	0
P12163_1_F5,22707	R.LLEDTMAFPGR.S	1553.83	0.00031	2	1	29.4	0
P12163_1_F5,23295	R.LLEDTMAFPGR.S	1553.83	0.00465	2	1	30.2	0
P12163_1_F6,18821	R.LLEDTMAFPGR.S	1553.83	0.00267	3	1	26.8	0
P12163_1_F8,17289	R.LLEDTMAFPGR.S	1553.83	-0.00315	2	1	36.8	0
P12163_1_F8,17704	R.LLEDTMAFPGR.S	1553.83	0.00325	2	1	39.7	0
P12163_1_F8,18784	R.LLEDTMAFPGR.S	1553.83	0.00174	3	1	38.1	0
P12163_1_F8,22248	R.LLEDTMAFPGR.S	1553.83	0.00311	2	1	52.4	0
P12163_1_F8,22320	R.LLEDTMAFPGR.S	1553.83	0.00135	3	1	56.3	0
P12163_1_F9,21439	R.LLEDTMAFPGR.S	1553.83	0.00283	2	1	51.6	0
P12163_1_S1,17821	R.LLEDTMAFPGR.S	1553.83	0.01131	3	1	35.9	0
P12163_1_S1,17884	R.LLEDTMAFPGR.S	1553.83	0.00361	2	1	26.2	0
P12163_1_S1,17934	R.LLEDTMAFPGR.S	1553.83	0.0041	4	1	35.6	0
P12163_1_S1,18130	R.LLEDTMAFPGR.S	1553.83	0.00475	2	1	44.8	0
P12163_1_S1,18183	R.LLEDTMAFPGR.S	1553.83	0.00563	4	1	39.6	0
P12163_1_S1,18227	R.LLEDTMAFPGR.S	1553.83	-0.00324	3	1	46.5	0
P12163_1_S1,20658	R.LLEDTMAFPGR.S	1553.83	0.00495	2	1	37.4	0
P12163_1_S1,21065	R.LLEDTMAFPGR.S	1553.83	0.00433	2	1	38.2	0
P12163_1_S1,21094	R.LLEDTMAFPGR.S	1553.83	0.00246	3	1	41.5	0
P12163_1_S1,21301	R.LLEDTMAFPGR.S	1553.83	-0.00159	3	1	72.1	0
P12163_1_S1,21471	R.LLEDTMAFPGR.S	1553.83	-0.00285	3	1	65.9	0
P12163_1_S1,21632	R.LLEDTMAFPGR.S	1553.83	-0.00061	2	1	52.5	0
P12163_1_S1,21661	R.LLEDTMAFPGR.S	1553.83	-0.00138	3	1	63.4	0
P12163_1_S1,21872	R.LLEDTMAFPGR.S	1553.83	0.00351	2	1	52.5	0
P12163_1_S1,21904	R.LLEDTMAFPGR.S	1553.83	0.00201	3	1	50.7	0
P12163_1_S1,22113	R.LLEDTMAFPGR.S	1553.83	0.00445	2	1	52.6	0
P12163_1_S1,22335	R.LLEDTMAFPGR.S	1553.83	0.00325	2	1	47.9	0
P12163_1_S1,22557	R.LLEDTMAFPGR.S	1553.83	0.00389	2	1	48.4	0
P12163_1_S1,22771	R.LLEDTMAFPGR.S	1553.83	0.00417	2	1	43.2	0
P12163_1_S1,22976	R.LLEDTMAFPGR.S	1553.83	0.00499	2	1	30.2	0
P12163_1_S1,23204	R.LLEDTMAFPGR.S	1553.83	0.00621	2	1	53.4	0
P12163_1_S1,23696	R.LLEDTMAFPGR.S	1553.83	0.00405	2	1	47.5	0
P12163_1_S1,23901	R.LLEDTMAFPGR.S	1553.83	0.00671	2	1	40.9	0
P12163_1_S1,24680	R.LLEDTMAFPGR.S	1553.83	0.00377	2	1	31.5	0
P12163_1_S1,24855	R.LLEDTMAFPGR.S	1553.83	0.00423	2	1	32.4	0
P12163_1_S1,25034	R.LLEDTMAFPGR.S	1553.83	0.00387	2	1	38.3	0
P12163_1_S1,25201	R.LLEDTMAFPGR.S	1553.83	0.00329	2	1	31	0
P12163_1_S1,25365	R.LLEDTMAFPGR.S	1553.83	0.00419	2	1	35.9	0
P12163_1_S1,25524	R.LLEDTMAFPGR.S	1553.83	0.00605	2	1	27.7	0
P12163_1_S1,25678	R.LLEDTMAFPGR.S	1553.83	0.00427	2	1	28.3	0
P12163_1_S1,25829	R.LLEDTMAFPGR.S	1553.83	0.00353	2	1	28.2	0
P12163_1_S1,27226	R.LLEDTMAFPGR.S	1553.83	0.00267	2	1	33.6	0

P12163_1_S1,30875 R.LLEDTMAFPGR.S	1553.83	0.00371	2	1	25.5	0
P12163_1_S10,8 R.LLEDTMAFPGR.S	1553.83	0.00625	2	1	50.4	0
P12163_1_S10,2047 R.LLEDTMAFPGR.S	1553.83	0.00417	2	1	54.4	0
P12163_1_S10,2051 R.LLEDTMAFPGR.S	1553.83	0.00207	3	1	37.8	0
P12163_1_S10,2062 R.LLEDTMAFPGR.S	1553.83	0.00401	2	1	31	0
P12163_2_F1,22854 R.LLEDTMAFPGR.S	1553.83	0.00055	2	1	50.4	0
P12163_2_F1,23259 R.LLEDTMAFPGR.S	1553.83	0.00187	2	1	38	0
P12163_2_F10,1957 R.LLEDTMAFPGR.S	1553.83	0.00161	2	1	32.7	0
P12163_2_F2,18819 R.LLEDTMAFPGR.S	1553.83	0.00129	3	1	27.7	0
P12163_2_F2,22160 R.LLEDTMAFPGR.S	1553.83	0.00147	2	1	44.4	0
P12163_2_F2,22559 R.LLEDTMAFPGR.S	1553.83	0.00209	2	1	31.7	0
P12163_2_F4,17520 R.LLEDTMAFPGR.S	1553.83	0.00276	3	1	32.2	0
P12163_2_F6,14230 R.LLEDTMAFPGR.S	1553.83	-0.00027	3	1	28.6	0
P12163_2_F6,16845 R.LLEDTMAFPGR.S	1553.83	0.00203	2	1	27.9	0
P12163_2_F6,18294 R.LLEDTMAFPGR.S	1553.83	0.00024	3	1	33.4	0
P12163_2_F6,21910 R.LLEDTMAFPGR.S	1553.83	0.00305	2	1	36.7	0
P12163_2_F9,20341 R.LLEDTMAFPGR.S	1553.83	0.00407	2	1	28	0
P12163_2_S5,20477 R.LLEDTMAFPGR.S	1553.83	0.00115	2	1	31.2	0
P12163_2_S5,20680 R.LLEDTMAFPGR.S	1553.83	0.00345	2	1	49.4	0
P12163_1_F2,14926 R.LQLPDNCEK.D	1724.946	0.0012	2	1	36.3	0
P12163_1_F3,15708 R.LQLPDNCEK.D	1724.946	0.00968	3	1	33.8	0
P12163_1_F3,15764 R.LQLPDNCEK.D	1724.946	0.00596	2	1	34.2	0
P12163_1_F4,15585 R.LQLPDNCEK.D	1724.946	0.0083	2	1	33.7	0
P12163_1_F4,15586 R.LQLPDNCEK.D	1724.946	0.00875	3	1	46.2	0
P12163_1_F4,15806 R.LQLPDNCEK.D	1724.946	0.00041	3	1	46.4	0
P12163_1_F4,16005 R.LQLPDNCEK.D	1724.946	0.00284	3	1	44.8	0
P12163_1_F4,16164 R.LQLPDNCEK.D	1724.946	0.00148	2	1	33.9	0
P12163_1_F4,16269 R.LQLPDNCEK.D	1724.946	0.00764	3	1	41.4	0
P12163_1_F4,16525 R.LQLPDNCEK.D	1724.946	0.01136	3	1	24	0
P12163_1_F4,17004 R.LQLPDNCEK.D	1724.946	0.01586	3	1	29	0
P12163_1_F4,17357 R.LQLPDNCEK.D	1724.946	0.00732	2	1	32	0
P12163_1_F4,17592 R.LQLPDNCEK.D	1724.946	0.00503	3	1	46.3	0
P12163_1_F4,17891 R.LQLPDNCEK.D	1724.946	0.00714	2	1	30.1	0
P12163_1_F4,17960 R.LQLPDNCEK.D	1724.946	0.00605	3	1	38.3	0
P12163_1_F4,18175 R.LQLPDNCEK.D	1724.946	0.00756	2	1	24.7	0
P12163_1_F4,18619 R.LQLPDNCEK.D	1724.946	0.00719	3	1	22	0
P12163_1_F4,18934 R.LQLPDNCEK.D	1724.946	0.00356	3	1	28.1	0
P12163_1_F4,18950 R.LQLPDNCEK.D	1724.946	0.00752	2	1	29.8	0
P12163_1_F4,19626 R.LQLPDNCEK.D	1724.946	0.01076	2	1	31.5	0
P12163_1_F4,19812 R.LQLPDNCEK.D	1724.946	0.0118	2	1	25	0
P12163_1_F4,22954 R.LQLPDNCEK.D	1724.946	0.0056	2	1	26.1	0
P12163_1_F4,23228 R.LQLPDNCEK.D	1724.946	0.00656	3	1	36.4	0
P12163_1_F4,23246 R.LQLPDNCEK.D	1724.946	0.0056	2	1	29.3	0
P12163_1_F4,23667 R.LQLPDNCEK.D	1724.946	0.00527	3	1	38.3	0
P12163_1_F4,24357 R.LQLPDNCEK.D	1724.946	0.00761	3	1	27.8	0
P12163_1_F5,14568 R.LQLPDNCEK.D	1724.946	0.01542	2	1	31.3	0
P12163_1_F5,14674 R.LQLPDNCEK.D	1724.946	0.00074	3	1	43.8	0
P12163_1_F5,14786 R.LQLPDNCEK.D	1724.946	0.00628	2	1	32.1	0
P12163_1_F5,15019 R.LQLPDNCEK.D	1724.946	0.00946	2	1	40.2	0
P12163_1_F5,16086 R.LQLPDNCEK.D	1724.946	0.00344	2	1	29.8	0
P12163_1_F5,16339 R.LQLPDNCEK.D	1724.946	0.00796	2	1	29.9	0

P12163_1_F5,16572 R.LQLPDNCEK.D	1724.946	0.00526	2	1	29.9	0
P12163_1_F5,17139 R.LQLPDNCEK.D	1724.946	0.00728	2	1	38.7	0
P12163_1_F5,17406 R.LQLPDNCEK.D	1724.946	0.01022	2	1	29.6	0
P12163_1_F6,15071 R.LQLPDNCEK.D	1724.946	0.00336	2	1	39.8	0
P12163_1_F6,15357 R.LQLPDNCEK.D	1724.946	0.00698	3	1	24	0
P12163_1_F6,15570 R.LQLPDNCEK.D	1724.946	0.00844	2	1	29.9	0
P12163_1_F7,14004 R.LQLPDNCEK.D	1724.946	0.0097	2	1	24.1	0
P12163_1_F7,14017 R.LQLPDNCEK.D	1724.946	0.00251	3	1	35.8	0
P12163_1_F7,14152 R.LQLPDNCEK.D	1724.946	0.00836	4	1	24.3	0
P12163_1_F7,14221 R.LQLPDNCEK.D	1724.946	0.00185	3	1	46.4	0
P12163_1_F7,14255 R.LQLPDNCEK.D	1724.946	0.00238	2	1	39.8	0
P12163_1_F7,14588 R.LQLPDNCEK.D	1724.946	0.00449	3	1	37.2	0
P12163_1_F8,17 R.LQLPDNCEK.D	1724.946	0.00116	3	1	30.6	0
P12163_1_F8,206 R.LQLPDNCEK.D	1724.946	0.0022	2	1	32.4	0
P12163_1_F8,301 R.LQLPDNCEK.D	1724.946	0.00257	3	1	37.7	0
P12163_1_F8,395 R.LQLPDNCEK.D	1724.946	0.00194	2	1	33.9	0
P12163_1_F8,14845 R.LQLPDNCEK.D	1724.946	0.00188	3	1	39.1	0
P12163_1_F8,15277 R.LQLPDNCEK.D	1724.946	0.00224	3	1	35.1	0
P12163_1_F9,15179 R.LQLPDNCEK.D	1724.946	0.00582	2	1	30.9	0
P12163_2_F1,14682 R.LQLPDNCEK.D	1724.946	0.00671	3	1	43.6	0
P12163_2_F1,14924 R.LQLPDNCEK.D	1724.946	0.0002	3	1	41.5	0
P12163_2_F1,15027 R.LQLPDNCEK.D	1724.946	0.0072	4	1	23.6	0
P12163_2_F1,15029 R.LQLPDNCEK.D	1724.946	0.00268	2	1	33.8	0
P12163_2_F1,15251 R.LQLPDNCEK.D	1724.946	0.00316	4	1	25.9	0
P12163_2_F1,15314 R.LQLPDNCEK.D	1724.946	0.00227	3	1	43.7	0
P12163_2_F1,15318 R.LQLPDNCEK.D	1724.946	0.00408	2	1	32.1	0
P12163_2_F1,15637 R.LQLPDNCEK.D	1724.946	0.01889	3	1	27.1	0
P12163_2_F1,16182 R.LQLPDNCEK.D	1724.946	0.00404	3	1	25.3	0
P12163_2_F1,16399 R.LQLPDNCEK.D	1724.946	0.00684	2	1	31.6	0
P12163_2_F1,16452 R.LQLPDNCEK.D	1724.946	0.00212	3	1	36.9	0
P12163_2_F1,16668 R.LQLPDNCEK.D	1724.946	0.00702	2	1	32	0
P12163_2_F1,16764 R.LQLPDNCEK.D	1724.946	0.00485	3	1	43.6	0
P12163_2_F1,17239 R.LQLPDNCEK.D	1724.946	0.01126	2	1	27.9	0
P12163_2_F1,17510 R.LQLPDNCEK.D	1724.946	0.00404	2	1	39.2	0
P12163_2_F1,24522 R.LQLPDNCEK.D	1724.946	0.00442	2	1	24.4	0
P12163_2_F1,26283 R.LQLPDNCEK.D	1724.946	0.00326	3	1	24.9	0
P12163_2_F1,26709 R.LQLPDNCEK.D	1724.946	0.00624	2	1	30	0
P12163_2_F2,290 R.LQLPDNCEK.D	1724.946	0.00596	2	1	33.8	0
P12163_2_F2,367 R.LQLPDNCEK.D	1724.946	0.00518	3	1	35.4	0
P12163_2_F2,484 R.LQLPDNCEK.D	1724.946	0.00548	2	1	30.7	0
P12163_2_F2,556 R.LQLPDNCEK.D	1724.946	0.00464	3	1	37	0
P12163_2_F2,685 R.LQLPDNCEK.D	1724.946	0.00554	2	1	35.3	0
P12163_2_F2,764 R.LQLPDNCEK.D	1724.946	0.00497	3	1	35.8	0
P12163_2_F2,889 R.LQLPDNCEK.D	1724.946	0.00546	2	1	33.7	0
P12163_2_F2,953 R.LQLPDNCEK.D	1724.946	0.00533	3	1	39.3	0
P12163_2_F2,1087 R.LQLPDNCEK.D	1724.946	0.00604	2	1	35.2	0
P12163_2_F2,1150 R.LQLPDNCEK.D	1724.946	0.00554	3	1	37.4	0
P12163_2_F2,1287 R.LQLPDNCEK.D	1724.946	0.00632	2	1	33.8	0
P12163_2_F2,1346 R.LQLPDNCEK.D	1724.946	0.00554	3	1	41.4	0
P12163_2_F2,1468 R.LQLPDNCEK.D	1724.946	0.00586	2	1	32.3	0
P12163_2_F2,1537 R.LQLPDNCEK.D	1724.946	0.00482	3	1	43.7	0

P12163_2_F2,1662	R.LQLPDNCEK.D	1724.946	0.00628	2	1	33.7	0
P12163_2_F2,1737	R.LQLPDNCEK.D	1724.946	0.00479	3	1	35.9	0
P12163_2_F2,1869	R.LQLPDNCEK.D	1724.946	0.00664	2	1	33.8	0
P12163_2_F2,1930	R.LQLPDNCEK.D	1724.946	0.00581	3	1	37.5	0
P12163_2_F2,2067	R.LQLPDNCEK.D	1724.946	0.00558	2	1	35.6	0
P12163_2_F2,2127	R.LQLPDNCEK.D	1724.946	0.00536	3	1	40.9	0
P12163_2_F2,2258	R.LQLPDNCEK.D	1724.946	0.00548	2	1	32.4	0
P12163_2_F2,2318	R.LQLPDNCEK.D	1724.946	0.00587	3	1	34	0
P12163_2_F2,2607	R.LQLPDNCEK.D	1724.946	0.00602	2	1	34	0
P12163_2_F2,2670	R.LQLPDNCEK.D	1724.946	0.00479	3	1	31	0
P12163_2_F2,2829	R.LQLPDNCEK.D	1724.946	0.00389	3	1	29.2	0
P12163_2_F2,15010	R.LQLPDNCEK.D	1724.946	-0.00252	2	1	37.5	0
P12163_2_F2,15406	R.LQLPDNCEK.D	1724.946	0.0092	2	1	25.8	0
P12163_2_F2,15609	R.LQLPDNCEK.D	1724.946	0.00422	2	1	35.3	0
P12163_2_F4,13651	R.LQLPDNCEK.D	1724.946	0.0099	2	1	26.1	0
P12163_2_F4,13659	R.LQLPDNCEK.D	1724.946	0.00137	3	1	22.2	0
P12163_2_F4,13887	R.LQLPDNCEK.D	1724.946	0.00288	2	1	40.4	0
P12163_2_F4,13925	R.LQLPDNCEK.D	1724.946	0.00107	3	1	36.2	0
P12163_2_F4,23446	R.LQLPDNCEK.D	1724.946	0.0014	2	1	33.4	0
P12163_2_S3,12786	R.LQLPDNCEK.D	1724.946	0.0029	3	1	31.1	0
P12163_2_S3,12969	R.LQLPDNCEK.D	1724.946	0.00122	3	1	31.2	0
P12163_2_S3,13362	R.LQLPDNCEK.D	1724.946	0.00629	3	1	34.9	0
P12163_2_S5,13505	R.LQLPDNCEK.D	1724.946	0.0014	3	1	38.2	0
P12163_2_S5,13726	R.LQLPDNCEK.D	1724.946	-0.00004	3	1	46.6	0
P12163_2_S5,13747	R.LQLPDNCEK.D	1724.946	0.0033	2	1	40.7	0
P12163_2_S5,14163	R.LQLPDNCEK.D	1724.946	0.00602	3	1	46.5	0
P12163_2_S5,14182	R.LQLPDNCEK.D	1724.946	0.00726	2	1	32.2	0
P12163_2_S5,14247	R.LQLPDNCEK.D	1724.946	0.00748	4	1	27.3	0
P12163_1_S1,8279	R.QM*LDTMDR.L	1329.644	-0.00122	3	1	25.3	0
P12163_1_S1,8479	R.QM*LDTMDR.L	1329.644	0.00178	3	1	24.4	0
P12163_1_S1,10182	R.QM*LDTMDR.L	1329.644	0.00507	2	1	34.2	0
P12163_1_S1,10896	R.QM*LDTMDR.L	1329.644	0.00253	3	1	41.4	0
P12163_1_F2,8785	R.QMLDTM*DR.L	1329.644	0.00487	3	1	24.3	0
P12163_1_F2,9016	R.QMLDTM*DR.L	1329.644	-0.00275	3	1	25.6	0
P12163_1_F2,9258	R.QMLDTM*DR.L	1329.644	0.00322	3	1	26.8	0
P12163_1_F2,9497	R.QMLDTM*DR.L	1329.644	0.00121	3	1	25.1	0
P12163_1_S1,9252	R.QMLDTM*DR.L	1329.644	0.00121	3	1	27.7	0
P12163_1_S1,11112	R.QMLDTM*DR.L	1329.644	0.00325	3	1	42.6	0
P12163_1_S1,11207	R.QMLDTM*DR.L	1329.644	0.00151	2	1	23.9	0
P12163_1_F2,10281	R.QMLDTMDR.L	1313.649	0.00214	3	1	34.6	0
P12163_1_F2,10966	R.QMLDTMDR.L	1313.649	-0.00305	3	1	34.6	0
P12163_1_F2,11185	R.QMLDTMDR.L	1313.649	0.00208	3	1	34.6	0
P12163_1_F2,11435	R.QMLDTMDR.L	1313.649	0.00253	3	1	34.5	0
P12163_1_F2,11942	R.QMLDTMDR.L	1313.649	0.00239	3	1	33.5	0
P12163_1_F2,12360	R.QMLDTMDR.L	1313.649	0.00073	3	1	29.3	0
P12163_1_F2,12608	R.QMLDTMDR.L	1313.649	0.00302	3	1	31.9	0
P12163_1_F2,12885	R.QMLDTMDR.L	1313.649	0.00248	3	1	26.1	0
P12163_1_F2,14258	R.QMLDTMDR.L	1313.649	0.00034	3	1	28.7	0
P12163_1_F3,11142	R.QMLDTMDR.L	1313.649	0.00358	3	1	25	0
P12163_1_F4,11604	R.QMLDTMDR.L	1313.649	0.00284	3	1	22.9	0
P12163_1_F6,10730	R.QMLDTMDR.L	1313.649	0.00388	3	1	26.4	0

P12163_1_F6,14094 R.QMLDTMDR.L	1313.649	0.00173	2	1	26.3	0
P12163_1_S1,10638 R.QMLDTMDR.L	1313.649	0.00424	3	1	22.2	0
P12163_1_S1,10859 R.QMLDTMDR.L	1313.649	0.00313	3	1	29.2	0
P12163_1_S1,11081 R.QMLDTMDR.L	1313.649	-0.0023	3	1	34.7	0
P12163_1_S1,11293 R.QMLDTMDR.L	1313.649	0.00356	3	1	35.8	0
P12163_1_S1,11523 R.QMLDTMDR.L	1313.649	0.0023	3	1	25.5	0
P12163_1_S1,13213 R.QMLDTMDR.L	1313.649	0.005	3	1	42.9	0
P12163_1_S1,13255 R.QMLDTMDR.L	1313.649	0.00213	2	1	35.2	0
P12163_1_S1,14071 R.QMLDTMDR.L	1313.649	0.00349	3	1	43.1	0
P12163_2_F4,10153 R.QMLDTMDR.L	1313.649	0.00221	3	1	34.3	0
P12163_2_S3,9861 R.QMLDTMDR.L	1313.649	0.00181	3	1	24.6	0
P12163_2_S3,12576 R.QMLDTMDR.L	1313.649	0.00113	2	1	26.4	0
P12163_2_S3,12628 R.QMLDTMDR.L	1313.649	0.00158	3	1	31.3	0
P12163_2_S3,12769 R.QMLDTMDR.L	1313.649	0.00121	2	1	35.6	0
P12163_2_S3,13148 R.QMLDTMDR.L	1313.649	0.00437	2	1	23.9	0
P12163_1_F7,19277 R.RTALDISPFGLM*DPSF	2441.28	0.00033	3	1	42.2	0
P12163_1_F7,19303 R.RTALDISPFGLM*DPSF	2441.28	0.0018	4	1	37.6	0
P12163_1_F7,20176 R.RTALDISPFGLM*DPSF	2441.28	0.00108	3	1	27.6	0
P12163_1_F7,20537 R.RTALDISPFGLM*DPSF	2441.28	0.00164	4	1	37.4	0
P12163_1_F7,20615 R.RTALDISPFGLM*DPSF	2441.28	0.00378	3	1	36.1	0
P12163_1_F7,20788 R.RTALDISPFGLM*DPSF	2441.28	0.00384	4	1	31	0
P12163_1_F7,21041 R.RTALDISPFGLM*DPSF	2441.28	0.00171	3	1	42.6	0
P12163_1_F7,21095 R.RTALDISPFGLM*DPSF	2441.28	0.00092	4	1	34.2	0
P12163_1_F7,21223 R.RTALDISPFGLM*DPSF	2441.28	0.00288	3	1	40.3	0
P12163_1_F7,21440 R.RTALDISPFGLM*DPSF	2441.28	0.00363	3	1	36.3	0
P12163_1_F7,21452 R.RTALDISPFGLM*DPSF	2441.28	-0.00328	4	1	27.6	0
P12163_1_F7,21651 R.RTALDISPFGLM*DPSF	2441.28	0.00444	3	1	28.7	0
P12163_1_F7,21849 R.RTALDISPFGLM*DPSF	2441.28	0.0021	3	1	30.5	0
P12163_1_F7,22237 R.RTALDISPFGLM*DPSF	2441.28	0.00246	3	1	38.4	0
P12163_1_F7,22429 R.RTALDISPFGLM*DPSF	2441.28	0.00396	3	1	39.8	0
P12163_1_F7,22638 R.RTALDISPFGLM*DPSF	2441.28	0.00651	3	1	28.2	0
P12163_1_F7,22836 R.RTALDISPFGLM*DPSF	2441.28	0.00444	3	1	44	0
P12163_1_F7,23018 R.RTALDISPFGLM*DPSF	2441.28	0.00267	3	1	33.4	0
P12163_1_F7,23191 R.RTALDISPFGLM*DPSF	2441.28	0.01131	3	1	35	0
P12163_1_F7,23373 R.RTALDISPFGLM*DPSF	2441.28	-0.0009	3	1	49.8	0
P12163_1_F7,23540 R.RTALDISPFGLM*DPSF	2441.28	0.00321	3	1	30.2	0
P12163_1_F7,23717 R.RTALDISPFGLM*DPSF	2441.28	0.00369	3	1	36.8	0
P12163_1_F7,23890 R.RTALDISPFGLM*DPSF	2441.28	0.00279	3	1	28.9	0
P12163_1_F7,24342 R.RTALDISPFGLM*DPSF	2441.28	0.00291	3	1	28	0
P12163_1_F7,24807 R.RTALDISPFGLM*DPSF	2441.28	0.00282	3	1	29.1	0
P12163_1_F8,22118 R.RTALDISPFGLM*DPSF	2441.28	0.0042	3	1	34.8	0
P12163_2_S5,18610 R.RTALDISPFGLM*DPSF	2441.28	0.00276	4	1	41.1	0
P12163_2_S5,18653 R.RTALDISPFGLM*DPSF	2441.28	0.00102	3	1	63.1	0
P12163_2_S5,19721 R.RTALDISPFGLM*DPSF	2441.28	0.00704	4	1	29.6	0
P12163_2_S5,19771 R.RTALDISPFGLM*DPSF	2441.28	0.0048	3	1	30.8	0
P12163_2_S5,20171 R.RTALDISPFGLM*DPSF	2441.28	0.00102	3	1	37.1	0
P12163_2_S5,20218 R.RTALDISPFGLM*DPSF	2441.28	0.00196	4	1	35.6	0
P12163_2_S5,20360 R.RTALDISPFGLM*DPSF	2441.28	0.00264	3	1	65.3	0
P12163_1_F7,21512 R.RTALDISPFGLMDPSFF	2425.285	0.00412	3	1	49.3	0
P12163_1_F7,21523 R.RTALDISPFGLMDPSFF	2425.285	0.00252	4	1	29.2	0
P12163_1_F7,22370 R.RTALDISPFGLMDPSFF	2425.285	0.00487	3	1	36.4	0

P12163_1_F7,23121	R.RTALDISPFGLMDPSFF	2425.285	0.00292	4	1	36.3	0
P12163_1_F7,23149	R.RTALDISPFGLMDPSFF	2425.285	0.00226	3	1	52.4	0
P12163_2_S5,20753	R.RTALDISPFGLMDPSFF	2425.285	0.00076	3	1	28.6	0
P12163_2_S5,22105	R.RTALDISPFGLMDPSFF	2425.285	0.00223	3	1	38.1	0
P12163_1_F3,22471	R.TALDISPFGLM*DPSFP	2285.179	0.00426	3	1	56.7	0
P12163_1_F3,23558	R.TALDISPFGLM*DPSFP	2285.179	0.0042	3	1	39	0
P12163_1_F3,24631	R.TALDISPFGLM*DPSFP	2285.179	0.00036	2	1	37	0
P12163_1_F3,26807	R.TALDISPFGLM*DPSFP	2285.179	-0.00261	3	1	45.6	0
P12163_1_F3,27025	R.TALDISPFGLM*DPSFP	2285.179	0.00243	3	1	50.1	0
P12163_1_F6,23391	R.TALDISPFGLM*DPSFP	2285.179	-0.0002	2	1	37.7	0
P12163_1_F6,23392	R.TALDISPFGLM*DPSFP	2285.179	0.00069	3	1	59.5	0
P12163_1_F7,21024	R.TALDISPFGLM*DPSFP	2285.179	-0.00012	3	1	37.7	0
P12163_1_F7,21925	R.TALDISPFGLM*DPSFP	2285.179	0.01197	3	1	35.7	0
P12163_1_F7,22541	R.TALDISPFGLM*DPSFP	2285.179	-0.00214	2	1	40.9	0
P12163_1_F7,24518	R.TALDISPFGLM*DPSFP	2285.179	0.00222	3	1	64.6	0
P12163_2_S5,21430	R.TALDISPFGLM*DPSFP	2285.179	0.00183	3	1	23.1	0
P12163_1_F3,24961	R.TALDISPFGLMDPSFPT	2269.184	0.00672	3	1	42.8	0
P12163_1_F3,25195	R.TALDISPFGLMDPSFPT	2269.184	0.00147	3	1	47.8	0
P12163_1_F3,25891	R.TALDISPFGLMDPSFPT	2269.184	0.00786	3	1	36.3	0
P12163_1_F3,26155	R.TALDISPFGLMDPSFPT	2269.184	0.00474	3	1	45.2	0
P12163_1_F3,26787	R.TALDISPFGLMDPSFPT	2269.184	0.01209	3	1	32.1	0
P12163_1_F3,27024	R.TALDISPFGLMDPSFPT	2269.184	0.00237	3	1	48.5	0
P12163_1_F7,23027	R.TALDISPFGLMDPSFPT	2269.184	0.00252	3	1	34.2	0
P12163_1_F5,10128	K.ANSLAQLGK.Y	1509.921	0.00617	2	1	26.4	0
P12163_1_F5,14601	K.ANSLAQLGK.Y	1509.921	0.00911	2	1	29.6	0
P12163_1_F5,14620	K.ANSLAQLGK.Y	1509.921	0.00878	3	1	34	0
P12163_1_F5,14827	K.ANSLAQLGK.Y	1509.921	0.00581	2	1	52.5	0
P12163_1_F5,14836	K.ANSLAQLGK.Y	1509.921	0.00065	3	1	42.1	0
P12163_1_F5,16085	K.ANSLAQLGK.Y	1509.921	0.00254	3	1	31.8	0
P12163_1_F5,16231	K.ANSLAQLGK.Y	1509.921	0.00829	2	1	42.2	0
P12163_1_F5,16337	K.ANSLAQLGK.Y	1509.921	0.00815	3	1	39.1	0
P12163_1_F5,16515	K.ANSLAQLGK.Y	1509.921	0.00799	2	1	37.7	0
P12163_1_F5,16586	K.ANSLAQLGK.Y	1509.921	0.00503	3	1	34	0
P12163_1_F5,17147	K.ANSLAQLGK.Y	1509.921	0.00527	2	1	44.9	0
P12163_1_F5,17174	K.ANSLAQLGK.Y	1509.921	0.00782	3	1	29.4	0
P12163_1_F5,17404	K.ANSLAQLGK.Y	1509.921	0.00713	2	1	25.2	0
P12163_1_F5,17423	K.ANSLAQLGK.Y	1509.921	0.00557	3	1	23.4	0
P12163_1_F5,17818	K.ANSLAQLGK.Y	1509.921	0.00825	2	1	33.3	0
P12163_1_F6,251	K.ANSLAQLGK.Y	1509.921	0.00512	3	1	38.4	0
P12163_1_F6,721	K.ANSLAQLGK.Y	1509.921	0.0056	3	1	30	0
P12163_1_F6,3763	K.ANSLAQLGK.Y	1509.921	0.00755	3	1	27.8	0
P12163_1_F6,15434	K.ANSLAQLGK.Y	1509.921	0.00923	3	1	34.3	0
P12163_1_F7,14644	K.ANSLAQLGK.Y	1509.921	0.00713	3	1	36.1	0
P12163_1_F7,14692	K.ANSLAQLGK.Y	1509.921	0.00693	2	1	41.3	0
P12163_1_F8,10581	K.ANSLAQLGK.Y	1509.921	0.00227	3	1	22.1	0
P12163_1_F8,14574	K.ANSLAQLGK.Y	1509.921	0.00194	3	1	31.4	0
P12163_1_F8,14588	K.ANSLAQLGK.Y	1509.921	0.00391	2	1	36.9	0
P12163_1_F8,14821	K.ANSLAQLGK.Y	1509.921	0.00185	3	1	47.1	0
P12163_1_F8,14843	K.ANSLAQLGK.Y	1509.921	0.00145	2	1	49.6	0
P12163_1_F8,15386	K.ANSLAQLGK.Y	1509.921	0.00693	2	1	49.3	0
P12163_1_S10,1500'	K.ANSLAQLGK.Y	1509.921	0.00203	3	1	22.3	0

P12163_2_F1,14779	K.ANSLAQLGK.Y	1509.921	0.00717	2	1	40.8	0
P12163_2_F1,14793	K.ANSLAQLGK.Y	1509.921	0.00482	3	1	34.1	0
P12163_2_F1,14985	K.ANSLAQLGK.Y	1509.921	0.00343	2	1	36.9	0
P12163_2_F10,1409	K.ANSLAQLGK.Y	1509.921	-0.00046	3	1	33.7	0
P12163_2_F10,1410	K.ANSLAQLGK.Y	1509.921	0.00445	2	1	38.6	0
P12163_2_F2,591	K.ANSLAQLGK.Y	1509.921	0.00119	2	1	27.4	0
P12163_2_F2,773	K.ANSLAQLGK.Y	1509.921	0.00347	3	1	22.7	0
P12163_2_F2,1183	K.ANSLAQLGK.Y	1509.921	0.00326	3	1	28.5	0
P12163_2_F2,2479	K.ANSLAQLGK.Y	1509.921	0.00326	3	1	23.1	0
P12163_2_F2,11028	K.ANSLAQLGK.Y	1509.921	0.00455	3	1	22.1	0
P12163_2_F2,11029	K.ANSLAQLGK.Y	1509.921	0.00459	2	1	30.4	0
P12163_2_F2,15404	K.ANSLAQLGK.Y	1509.921	0.00989	2	1	52.9	0
P12163_2_F2,15416	K.ANSLAQLGK.Y	1509.921	0.01001	3	1	37.2	0
P12163_2_F2,15619	K.ANSLAQLGK.Y	1509.921	0.00561	2	1	52.3	0
P12163_2_F2,15661	K.ANSLAQLGK.Y	1509.921	0.00131	3	1	43.9	0
P12163_2_F2,15844	K.ANSLAQLGK.Y	1509.921	0.00645	2	1	53.7	0
P12163_2_F2,15903	K.ANSLAQLGK.Y	1509.921	0.00299	3	1	41.4	0
P12163_2_F2,16123	K.ANSLAQLGK.Y	1509.921	0.00645	2	1	27.7	0
P12163_2_F2,16175	K.ANSLAQLGK.Y	1509.921	0.01106	3	1	33.4	0
P12163_2_F4,94	K.ANSLAQLGK.Y	1509.921	0.00437	3	1	28.3	0
P12163_2_F4,253	K.ANSLAQLGK.Y	1509.921	0.00542	3	1	42.2	0
P12163_2_F4,274	K.ANSLAQLGK.Y	1509.921	0.00489	2	1	40.2	0
P12163_2_F4,432	K.ANSLAQLGK.Y	1509.921	0.0041	3	1	38.9	0
P12163_2_F4,14347	K.ANSLAQLGK.Y	1509.921	0.00521	3	1	37.6	0
P12163_2_F4,14389	K.ANSLAQLGK.Y	1509.921	0.00381	2	1	40	0
P12163_2_S5,13556	K.ANSLAQLGK.Y	1509.921	0.00152	3	1	30.1	0
P12163_2_S5,13734	K.ANSLAQLGK.Y	1509.921	0.00175	2	1	30.1	0
P12163_2_S5,13814	K.ANSLAQLGK.Y	1509.921	0.002	3	1	47.8	0
P12163_2_S5,14344	K.ANSLAQLGK.Y	1509.921	0.01082	3	1	22.4	0
P12163_2_S5,14353	K.ANSLAQLGK.Y	1509.921	0.00763	2	1	33.9	0
P12163_1_F4,12170	K.ASPETIAK.Y	1424.857	0.00593	2	1	28.7	0
P12163_1_F4,23729	K.ASPETIAK.Y	1424.857	0.00729	2	1	25.6	0
P12163_1_F4,27991	K.ASPETIAK.Y	1424.857	0.00405	2	1	25.4	0
P12163_1_F5,10768	K.ASPETIAK.Y	1424.857	0.00993	2	1	28.4	0
P12163_1_F7,10428	K.ASPETIAK.Y	1424.857	0.00153	2	1	30.6	0
P12163_2_F1,11200	K.ASPETIAK.Y	1424.857	0.00681	2	1	28.4	0
P12163_2_F1,11777	K.ASPETIAK.Y	1424.857	0.00543	2	1	24.4	0
P12163_2_F1,12056	K.ASPETIAK.Y	1424.857	0.00717	2	1	24.2	0
P12163_2_F6,11327	K.ASPETIAK.Y	1424.857	-0.00044	3	1	23.7	0
P12163_2_S5,10266	K.ASPETIAK.Y	1424.857	0.00154	3	1	22.8	0
P12163_2_S5,10716	K.ASPETIAK.Y	1424.857	0.00595	3	1	25.2	0
P12163_1_F4,13149	K.EASWGLAR.Y	1193.658	0.00326	3	1	27.6	0
P12163_2_F1,12005	K.EASWGLAR.Y	1193.658	0.00434	3	1	30.4	0
P12163_1_F3,23444	K.GLVPLPGSNNESWCQ	2731.377	0.00516	3	1	50.8	0
P12163_1_F3,7158	K.TIASPGR.G	1005.599	0.00381	3	1	31.5	0
P12163_1_F3,7972	K.TIASPGR.G	1005.599	0.00399	3	1	22.3	0
P12163_1_F3,8846	K.TIASPGR.G	1005.599	0.00396	3	1	30.2	0
P12163_1_F4,6379	K.TIASPGR.G	1005.599	0.00396	3	1	27	0
P12163_2_F1,5602	K.TIASPGR.G	1005.599	0.00318	3	1	30.6	0
P12163_2_F1,5847	K.TIASPGR.G	1005.599	0.00378	3	1	30	0
P12163_2_F1,6671	K.TIASPGR.G	1005.599	0.00147	3	1	37.2	0

P12163_2_F1,6929	K.TIASPGR.G	1005.599	0.00216	3	1	30.4	0
P12163_2_F1,8013	K.TIASPGR.G	1005.599	0.00477	3	1	26.4	0
P12163_2_F7,9808	K.TWQGRPENTEEAAQK.S	2224.193	0.00022	2	1	25.9	0
P12163_1_F3,10030	K.YSAEGESEEA.K	1807.917	0.00707	2	1	31.2	0
P12163_1_F4,10410	K.YSAEGESEEA.K	1807.917	0.0076	3	1	56.8	0
P12163_1_F4,10589	K.YSAEGESEEA.K	1807.917	0.00656	2	1	60	0
P12163_1_F5,9215	K.YSAEGESEEA.K	1807.917	0.00769	2	1	56.7	0
P12163_1_F6,10126	K.YSAEGESEEA.K	1807.917	0.0072	2	1	55.7	0
P12163_1_F6,10156	K.YSAEGESEEA.K	1807.917	0.0061	3	1	37.1	0
P12163_1_F7,9138	K.YSAEGESEEA.K	1807.917	0.00028	2	1	31.2	0
P12163_1_F7,9147	K.YSAEGESEEA.K	1807.917	-0.00371	3	1	39.5	0
P12163_1_F7,9658	K.YSAEGESEEA.K	1807.917	0.00589	2	1	51.3	0
P12163_1_F8,9935	K.YSAEGESEEA.K	1807.917	0.00276	2	1	38.3	0
P12163_1_F9,9760	K.YSAEGESEEA.K	1807.917	0.00655	3	1	61	0
P12163_1_F9,9765	K.YSAEGESEEA.K	1807.917	0.0056	2	1	57.1	0
P12163_1_S10,1080	K.YSAEGESEEA.K	1807.917	0.01774	3	1	60	0
P12163_2_F1,7972	K.YSAEGESEEA.K	1807.917	0.00784	3	1	39.9	0
P12163_2_F1,9709	K.YSAEGESEEA.K	1807.917	0.00667	3	1	58.5	0
P12163_2_F1,9715	K.YSAEGESEEA.K	1807.917	0.00751	2	1	53.8	0
P12163_2_F4,8751	K.YSAEGESEEA.K	1807.917	-0.00455	3	1	49.2	0
P12163_2_F4,8752	K.YSAEGESEEA.K	1807.917	-0.00704	2	1	59.9	0
P12163_2_F8_12070	K.YSAEGESEEA.K	1807.917	0.00763	3	1	61.5	0
P12163_2_F9,10009	K.YSAEGESEEA.K	1807.917	0.0006	2	1	43.7	0
P12163_2_F10,1019	K.YSAEGESEEA.K.G	2240.217	0.009	4	1	28.4	0
P12163_1_F5,16650	K.YTLTM*LK.R	1493.886	0.00428	3	1	27.7	0
P12163_1_F6,17045	K.YTLTM*LK.R	1493.886	0.00044	3	1	28.8	0
P12163_1_S10,1636	K.YTLTM*LK.R	1493.886	0.0047	3	1	23.4	0
P12163_2_F1,16904	K.YTLTM*LK.R	1493.886	0.00671	3	1	22.9	0
P12163_2_F8_12070	K.YTLTM*LK.R	1493.886	0.00797	3	1	26.2	0
P12163_2_F9,15640	K.YTLTM*LK.R	1493.886	0.00767	3	1	22.4	0
P12163_2_F9,17564	K.YTLTM*LK.R	1493.886	0.00185	3	1	21.9	0
P12163_2_S5,15163	K.YTLTM*LK.R	1493.886	0.0026	3	1	23.8	0
P12163_1_F3,19932	K.YTLTMLK.R	1477.891	0.00779	3	1	29.2	0
P12163_1_F4,19823	K.YTLTMLK.R	1477.891	-0.00136	2	1	28.6	0
P12163_1_F4,19826	K.YTLTMLK.R	1477.891	0.00251	3	1	27.3	0
P12163_1_F4,20016	K.YTLTMLK.R	1477.891	0.00204	2	1	30.4	0
P12163_1_F4,20023	K.YTLTMLK.R	1477.891	0.00386	3	1	35.8	0
P12163_1_F4,20255	K.YTLTMLK.R	1477.891	0.00488	2	1	30.4	0
P12163_1_F4,20267	K.YTLTMLK.R	1477.891	0.00452	3	1	27.5	0
P12163_1_F5,19040	K.YTLTMLK.R	1477.891	0.0026	3	1	26.9	0
P12163_1_F5,19045	K.YTLTMLK.R	1477.891	0.00436	2	1	27.9	0
P12163_1_F5,19279	K.YTLTMLK.R	1477.891	0.00542	3	1	27.3	0
P12163_1_F5,19335	K.YTLTMLK.R	1477.891	0.0073	2	1	26.7	0
P12163_1_F6,19228	K.YTLTMLK.R	1477.891	0.0065	3	1	27.5	0
P12163_1_F7,17907	K.YTLTMLK.R	1477.891	-0.00076	3	1	22.1	0
P12163_1_F7,17930	K.YTLTMLK.R	1477.891	0.0033	2	1	26.8	0
P12163_1_F7,18422	K.YTLTMLK.R	1477.891	0.00678	2	1	27.1	0
P12163_1_F8,18781	K.YTLTMLK.R	1477.891	0.00104	3	1	23.2	0
P12163_1_F8,19286	K.YTLTMLK.R	1477.891	0.00622	2	1	26.2	0
P12163_1_F8,19322	K.YTLTMLK.R	1477.891	0.00428	3	1	25.9	0
P12163_1_F9,18734	K.YTLTMLK.R	1477.891	0.0044	3	1	27.2	0

P12163_1_F9,18745 K.YTLTMLK.R	1477.891	0.00666	2	1	28.5	0
P12163_1_S10,1820 K.YTLTMLK.R	1477.891	0.00455	3	1	23	0
P12163_2_F1,19198 K.YTLTMLK.R	1477.891	0.00102	2	1	28.3	0
P12163_2_F1,19387 K.YTLTMLK.R	1477.891	0.00142	2	1	28.9	0
P12163_2_F1,19624 K.YTLTMLK.R	1477.891	0.00215	3	1	29.2	0
P12163_2_F1,19873 K.YTLTMLK.R	1477.891	0.00254	3	1	28.9	0
P12163_2_F2,19890 K.YTLTMLK.R	1477.891	0.00668	2	1	27.6	0
P12163_2_F4,17579 K.YTLTMLK.R	1477.891	0.00053	3	1	25.8	0
P12163_2_F8_12070 K.YTLTMLK.R	1477.891	0.00215	3	1	25.2	0
P12163_2_F8_12070 K.YTLTMLK.R	1477.891	0.0053	3	1	23.7	0
P12163_2_F9,17555 K.YTLTMLK.R	1477.891	0.00446	3	1	27.7	0
P12163_2_F9,17569 K.YTLTMLK.R	1477.891	0.00428	2	1	27.8	0
P12163_2_F9,17759 K.YTLTMLK.R	1477.891	0.0041	3	1	25.3	0
P12163_2_F9,17770 K.YTLTMLK.R	1477.891	0.00442	2	1	25.4	0
P12163_2_S5,17285 K.YTLTMLK.R	1477.891	0.00002	3	1	26.2	0
P12163_2_S5,17806 K.YTLTMLK.R	1477.891	0.00446	3	1	27.8	0
P12163_2_S5,17830 K.YTLTMLK.R	1477.891	0.00456	2	1	26.7	0
P12163_1_F4,17209 R.AGAYTEELVK.T	1688.968	0.00542	3	1	41.4	0
P12163_1_F4,15808 R.ALQNTVLK.T	1494.946	0.003	2	1	28.2	0
P12163_1_F4,15847 R.ALQNTVLK.T	1494.946	0.00407	3	1	33.7	0
P12163_1_F4,16006 R.ALQNTVLK.T	1494.946	0.00628	2	1	40.4	0
P12163_1_F4,16049 R.ALQNTVLK.T	1494.946	0.0059	3	1	36.6	0
P12163_1_F4,16232 R.ALQNTVLK.T	1494.946	0.00484	2	1	41.1	0
P12163_1_F5,10799 R.ALQNTVLK.T	1494.946	0.00428	3	1	24.1	0
P12163_1_F5,14789 R.ALQNTVLK.T	1494.946	0.00108	2	1	30.2	0
P12163_1_F5,14807 R.ALQNTVLK.T	1494.946	0.00101	3	1	37	0
P12163_1_F5,15026 R.ALQNTVLK.T	1494.946	0.0053	2	1	31	0
P12163_1_F5,15096 R.ALQNTVLK.T	1494.946	0.00608	3	1	36.9	0
P12163_1_F5,16123 R.ALQNTVLK.T	1494.946	0.00554	2	1	27.2	0
P12163_1_F5,16253 R.ALQNTVLK.T	1494.946	0.00485	3	1	24.1	0
P12163_1_F5,16376 R.ALQNTVLK.T	1494.946	0.00558	2	1	29.5	0
P12163_1_F5,17125 R.ALQNTVLK.T	1494.946	0.0044	2	1	26.4	0
P12163_1_F5,17418 R.ALQNTVLK.T	1494.946	0.00496	2	1	28.5	0
P12163_1_F6,4176 R.ALQNTVLK.T	1494.946	0.00596	2	1	40.5	0
P12163_1_F6,15633 R.ALQNTVLK.T	1494.946	0.00506	2	1	29.8	0
P12163_1_F7,14333 R.ALQNTVLK.T	1494.946	0.00316	2	1	32.1	0
P12163_1_F7,14340 R.ALQNTVLK.T	1494.946	0.00194	3	1	34.3	0
P12163_1_F7,14832 R.ALQNTVLK.T	1494.946	0.0051	2	1	30	0
P12163_1_F7,14980 R.ALQNTVLK.T	1494.946	0.00752	3	1	23.4	0
P12163_1_F8,15023 R.ALQNTVLK.T	1494.946	0.00536	2	1	29.8	0
P12163_1_F8,15049 R.ALQNTVLK.T	1494.946	-0.00256	3	1	36.8	0
P12163_1_F8,15597 R.ALQNTVLK.T	1494.946	0.00574	2	1	27.5	0
P12163_1_F8,15628 R.ALQNTVLK.T	1494.946	0.00812	3	1	32.4	0
P12163_2_F1,14855 R.ALQNTVLK.T	1494.946	0.00506	3	1	32.9	0
P12163_2_F1,15040 R.ALQNTVLK.T	1494.946	0.00532	2	1	40.2	0
P12163_2_F1,15077 R.ALQNTVLK.T	1494.946	0.00584	3	1	37	0
P12163_2_F1,15265 R.ALQNTVLK.T	1494.946	0.00754	2	1	39.5	0
P12163_2_F1,15474 R.ALQNTVLK.T	1494.946	0.00506	3	1	34.3	0
P12163_2_F1,15504 R.ALQNTVLK.T	1494.946	0.0051	2	1	39.6	0
P12163_2_F2,15622 R.ALQNTVLK.T	1494.946	0.0048	2	1	38.1	0
P12163_2_F2,15651 R.ALQNTVLK.T	1494.946	0.00167	3	1	47.1	0

P12163_2_F2,15858	R.ALQNTVLK.T	1494.946	0.00454	2	1	40	0
P12163_2_F2,15908	R.ALQNTVLK.T	1494.946	0.00296	3	1	47.2	0
P12163_2_F2,16083	R.ALQNTVLK.T	1494.946	0.00486	2	1	39.9	0
P12163_2_F2,16222	R.ALQNTVLK.T	1494.946	0.00545	3	1	36.8	0
P12163_2_F2,16460	R.ALQNTVLK.T	1494.946	0.00551	3	1	36.4	0
P12163_2_F4,249	R.ALQNTVLK.T	1494.946	0.00414	2	1	33.8	0
P12163_2_F4,263	R.ALQNTVLK.T	1494.946	0.00392	3	1	27.7	0
P12163_2_F4,437	R.ALQNTVLK.T	1494.946	0.00527	3	1	28.1	0
P12163_2_S5,13699	R.ALQNTVLK.T	1494.946	0.00575	3	1	46.9	0
P12163_2_S5,13749	R.ALQNTVLK.T	1494.946	0.00164	2	1	31.9	0
P12163_2_S5,13935	R.ALQNTVLK.T	1494.946	0.00023	3	1	34.9	0
P12163_2_S5,14307	R.ALQNTVLK.T	1494.946	0.00308	3	1	34.2	0
P12163_1_F2,15473	R.GILAIIDESNATCGK.R	2057.116	0.0064	3	1	56	0
P12163_1_F3,13966	R.GILAIIDESNATCGK.R	2057.116	0.00394	3	1	28.6	0
P12163_1_F3,14023	R.GILAIIDESNATCGK.R	2057.116	0.00413	2	1	27.9	0
P12163_1_F3,15638	R.GILAIIDESNATCGK.R	2057.116	0.00293	2	1	46.7	0
P12163_1_F3,16039	R.GILAIIDESNATCGK.R	2057.116	0.00419	2	1	41.6	0
P12163_1_F3,16078	R.GILAIIDESNATCGK.R	2057.116	0.00673	3	1	47.6	0
P12163_1_F3,16313	R.GILAIIDESNATCGK.R	2057.116	0.01563	2	1	25.6	0
P12163_1_F3,16346	R.GILAIIDESNATCGK.R	2057.116	0.01798	3	1	53	0
P12163_1_F3,17650	R.GILAIIDESNATCGK.R	2057.116	0.00621	2	1	76.1	0
P12163_1_F3,17664	R.GILAIIDESNATCGK.R	2057.116	0.00397	3	1	85	0
P12163_1_F3,18470	R.GILAIIDESNATCGK.R	2057.116	0.00365	2	1	65.6	0
P12163_1_F3,18786	R.GILAIIDESNATCGK.R	2057.116	0.01087	2	1	37.7	0
P12163_1_F3,18906	R.GILAIIDESNATCGK.R	2057.116	0.01015	3	1	81.1	0
P12163_1_F3,19074	R.GILAIIDESNATCGK.R	2057.116	0.00613	2	1	65.6	0
P12163_1_F4,16328	R.GILAIIDESNATCGK.R	2057.116	0.00673	3	1	66.8	0
P12163_1_F4,18140	R.GILAIIDESNATCGK.R	2057.116	0.01021	3	1	72.8	0
P12163_1_F4,18194	R.GILAIIDESNATCGK.R	2057.116	0.00637	2	1	59.1	0
P12163_1_F5,16914	R.GILAIIDESNATCGK.R	2057.116	0.00829	2	1	66.4	0
P12163_1_F6,15133	R.GILAIIDESNATCGK.R	2057.116	-0.0017	3	1	31.3	0
P12163_1_F6,15397	R.GILAIIDESNATCGK.R	2057.116	0.00442	3	1	58.7	0
P12163_1_F6,15751	R.GILAIIDESNATCGK.R	2057.116	0.00469	3	1	25.7	0
P12163_1_F6,16890	R.GILAIIDESNATCGK.R	2057.116	0.00292	3	1	58.5	0
P12163_1_F6,17357	R.GILAIIDESNATCGK.R	2057.116	0.01373	2	1	33.6	0
P12163_1_F7,14947	R.GILAIIDESNATCGK.R	2057.116	0.007	3	1	34.7	0
P12163_1_F7,14959	R.GILAIIDESNATCGK.R	2057.116	0.00305	2	1	30.9	0
P12163_1_F7,16522	R.GILAIIDESNATCGK.R	2057.116	0.0061	3	1	74	0
P12163_1_F7,16560	R.GILAIIDESNATCGK.R	2057.116	0.00199	2	1	49.6	0
P12163_1_F8,17221	R.GILAIIDESNATCGK.R	2057.116	0.00339	2	1	49.4	0
P12163_1_S1,16127	R.GILAIIDESNATCGK.R	2057.116	0.00916	3	1	46	0
P12163_1_S10,1530	R.GILAIIDESNATCGK.R	2057.116	0.00664	3	1	38.9	0
P12163_1_S10,1657	R.GILAIIDESNATCGK.R	2057.116	0.00691	3	1	54	0
P12163_2_F2,17183	R.GILAIIDESNATCGK.R	2057.116	-0.00139	2	1	61.2	0
P12163_2_F2,17739	R.GILAIIDESNATCGK.R	2057.116	0.01131	2	1	27.5	0
P12163_2_F4,14593	R.GILAIIDESNATCGK.R	2057.116	0.00451	3	1	41.3	0
P12163_2_F4,14646	R.GILAIIDESNATCGK.R	2057.116	0.00439	2	1	30.2	0
P12163_2_F4,16140	R.GILAIIDESNATCGK.R	2057.116	0.00341	2	1	70.2	0
P12163_2_S3,13269	R.GILAIIDESNATCGK.R	2057.116	0.00178	3	1	47.6	0
P12163_2_S3,14472	R.GILAIIDESNATCGK.R	2057.116	0.00226	3	1	73.5	0
P12163_1_F2,18497	R.LASIGLDNTETNR.Q	1707.918	0.00419	2	1	26.3	0

P12163_1_F3,19104 R.LASIGLDNTETNR.Q	1707.918	0.00378	2	1	30.6	0
P12163_1_F4,19454 R.LASIGLDNTETNR.Q	1707.918	0.00344	2	1	51.1	0
P12163_1_F5,17271 R.LASIGLDNTETNR.Q	1707.918	0.00254	2	1	39.9	0
P12163_1_S1,10459 R.LASIGLDNTETNR.Q	1707.918	0.00246	3	1	25.3	0
P12163_1_S1,11490 R.LASIGLDNTETNR.Q	1707.918	0.00033	3	1	25	0
P12163_1_S1,12101 R.LASIGLDNTETNR.Q	1707.918	0.00795	3	1	26.8	0
P12163_1_S1,13223 R.LASIGLDNTETNR.Q	1707.918	0.00352	2	1	46.9	0
P12163_1_S1,14123 R.LASIGLDNTETNR.Q	1707.918	0.00267	3	1	35.6	0
P12163_1_S1,15160 R.LASIGLDNTETNR.Q	1707.918	0.0024	3	1	38	0
P12163_1_S1,15663 R.LASIGLDNTETNR.Q	1707.918	0.00095	2	1	25.9	0
P12163_1_S1,15722 R.LASIGLDNTETNR.Q	1707.918	0.0015	4	1	23.5	0
P12163_1_S1,15747 R.LASIGLDNTETNR.Q	1707.918	-0.00318	3	1	52.8	0
P12163_1_S1,16212 R.LASIGLDNTETNR.Q	1707.918	0.00114	2	1	46.7	0
P12163_1_S1,16275 R.LASIGLDNTETNR.Q	1707.918	0.00634	4	1	39.5	0
P12163_1_S1,16399 R.LASIGLDNTETNR.Q	1707.918	0.00387	3	1	52.7	0
P12163_1_S1,16934 R.LASIGLDNTETNR.Q	1707.918	0.00327	3	1	42.7	0
P12163_1_S1,17712 R.LASIGLDNTETNR.Q	1707.918	0.00342	3	1	78.4	0
P12163_1_S1,17753 R.LASIGLDNTETNR.Q	1707.918	0.00388	2	1	50.5	0
P12163_1_S1,17962 R.LASIGLDNTETNR.Q	1707.918	0.00351	3	1	94.1	0
P12163_1_S1,18004 R.LASIGLDNTETNR.Q	1707.918	0.00437	2	1	59.7	0
P12163_1_S10,16 R.LASIGLDNTETNR.Q	1707.918	0.00321	3	1	68	0
P12163_1_S10,245 R.LASIGLDNTETNR.Q	1707.918	0.00435	3	1	54.3	0
P12163_1_S10,1773 R.LASIGLDNTETNR.Q	1707.918	0.00768	3	1	31.1	0
P12163_2_F2,17999 R.LASIGLDNTETNR.Q	1707.918	0.00038	2	1	26.9	0
P12163_2_F2,18068 R.LASIGLDNTETNR.Q	1707.918	-0.00126	3	1	50.8	0
P12163_2_F4,17246 R.LASIGLDNTETNR.Q	1707.918	0	2	1	45.6	0
P12163_1_S10,1147 R.STEYK.Q	1398.772	0.00907	3	1	22.5	0
P12163_1_F4,13892 R.TLEVAEK.V	1397.846	0.00486	2	1	31.1	0
P12163_1_F4,13966 R.TLEVAEK.V	1397.846	0.0051	3	1	29.8	0
P12163_1_F5,12436 R.TLEVAEK.V	1397.846	0.00792	2	1	28	0
P12163_1_F6,13437 R.TLEVAEK.V	1397.846	0.00924	3	1	27.4	0
P12163_1_F7,12085 R.TLEVAEK.V	1397.846	0.00081	3	1	27.4	0
P12163_1_F8,12669 R.TLEVAEK.V	1397.846	-0.00111	3	1	24.6	0
P12163_2_F1,12862 R.TLEVAEK.V	1397.846	0.00504	3	1	35.8	0
P12163_2_F1,13019 R.TLEVAEK.V	1397.846	0.00632	2	1	30.8	0
P12163_2_S5,9447 R.TLEVAEK.V	1397.846	0.00144	3	1	24.1	0
P12163_2_S5,11683 R.TLEVAEK.V	1397.846	0.00237	3	1	24.5	0
P12163_2_S5,12431 R.TLEVAEK.V	1397.846	0.00658	2	1	28.3	0
P12163_1_F2,14447 R.TVVSIPCGPSALAVK.E	2107.241	0.00518	4	1	25.6	0
P12163_1_F2,16301 R.TVVSIPCGPSALAVK.E	2107.241	0.00258	3	1	28.6	0
P12163_1_F2,16544 R.TVVSIPCGPSALAVK.E	2107.241	0.00398	4	1	23.8	0
P12163_1_F2,17381 R.TVVSIPCGPSALAVK.E	2107.241	0.00615	3	1	38.3	0
P12163_1_F2,17685 R.TVVSIPCGPSALAVK.E	2107.241	-0.00186	3	1	49.3	0
P12163_1_F2,17719 R.TVVSIPCGPSALAVK.E	2107.241	0.00498	4	1	38.3	0
P12163_1_F2,17969 R.TVVSIPCGPSALAVK.E	2107.241	0.00528	3	1	42.8	0
P12163_1_F2,18113 R.TVVSIPCGPSALAVK.E	2107.241	0.0064	2	1	28.8	0
P12163_1_F2,19556 R.TVVSIPCGPSALAVK.E	2107.241	0.00747	3	1	51.4	0
P12163_1_F2,19573 R.TVVSIPCGPSALAVK.E	2107.241	0.00398	2	1	49.8	0
P12163_1_F2,19584 R.TVVSIPCGPSALAVK.E	2107.241	0.00462	4	1	41.1	0
P12163_1_F2,19812 R.TVVSIPCGPSALAVK.E	2107.241	0.00627	3	1	47.5	0
P12163_1_F2,20088 R.TVVSIPCGPSALAVK.E	2107.241	0.00582	3	1	45.1	0

P12163_1_F3,18214	R.TVVSIPCGPSALAVK.E	2107.241	0.00744	3	1	31.8	0
P12163_1_F3,18215	R.TVVSIPCGPSALAVK.E	2107.241	0.00714	4	1	25.9	0
P12163_1_F3,20286	R.TVVSIPCGPSALAVK.E	2107.241	0.00924	3	1	42.8	0
P12163_1_F3,20295	R.TVVSIPCGPSALAVK.E	2107.241	0.0052	2	1	39.4	0
P12163_1_F4,217	R.TVVSIPCGPSALAVK.E	2107.241	0.00333	3	1	28.5	0
P12163_1_F4,1054	R.TVVSIPCGPSALAVK.E	2107.241	0.00423	3	1	43.1	0
P12163_1_F4,1217	R.TVVSIPCGPSALAVK.E	2107.241	0.00294	3	1	28.6	0
P12163_1_F4,18701	R.TVVSIPCGPSALAVK.E	2107.241	0.00528	3	1	50.8	0
P12163_1_F4,20789	R.TVVSIPCGPSALAVK.E	2107.241	-0.00291	3	1	50.7	0
P12163_1_F4,20872	R.TVVSIPCGPSALAVK.E	2107.241	0.0052	2	1	31.8	0
P12163_1_F5,19119	R.TVVSIPCGPSALAVK.E	2107.241	0.00165	3	1	41.4	0
P12163_1_F5,19147	R.TVVSIPCGPSALAVK.E	2107.241	-0.00246	2	1	40.1	0
P12163_1_F5,19573	R.TVVSIPCGPSALAVK.E	2107.241	-0.0016	2	1	25.1	0
P12163_1_F6,17788	R.TVVSIPCGPSALAVK.E	2107.241	0.00438	3	1	38.1	0
P12163_1_F6,19289	R.TVVSIPCGPSALAVK.E	2107.241	0.00159	3	1	47.6	0
P12163_1_F6,19598	R.TVVSIPCGPSALAVK.E	2107.241	0.00435	3	1	47.4	0
P12163_1_F7,16922	R.TVVSIPCGPSALAVK.E	2107.241	0.00447	3	1	32.9	0
P12163_1_F7,18779	R.TVVSIPCGPSALAVK.E	2107.241	0.00288	3	1	45.6	0
P12163_1_F8,17812	R.TVVSIPCGPSALAVK.E	2107.241	0.00846	3	1	33.2	0
P12163_1_F9,19327	R.TVVSIPCGPSALAVK.E	2107.241	0.00798	3	1	37.2	0
P12163_1_S1,18058	R.TVVSIPCGPSALAVK.E	2107.241	0.00552	3	1	55.9	0
P12163_1_S1,18088	R.TVVSIPCGPSALAVK.E	2107.241	0.01373	4	1	50.6	0
P12163_1_S1,18095	R.TVVSIPCGPSALAVK.E	2107.241	0.00224	2	1	60.1	0
P12163_1_S10,17930	R.TVVSIPCGPSALAVK.E	2107.241	0.00366	3	1	30.1	0
P12163_2_F2,19882	R.TVVSIPCGPSALAVK.E	2107.241	0.00621	3	1	41.7	0
P12163_2_F4,18388	R.TVVSIPCGPSALAVK.E	2107.241	0.00318	3	1	47.4	0
P12163_1_F4,27266	R.YAAISQDNGLVPIVEPI	3377.789	-0.00312	3	1	70	0
P12163_1_F2,17816	K.AQDFVCGLPPR.I	1563.825	0.00438	2	1	28.5	0
P12163_1_F2,18060	K.AQDFVCGLPPR.I	1563.825	0.00408	2	1	40.5	0
P12163_1_S1,16603	K.AQDFVCGLPPR.I	1563.825	0.00652	2	1	27.7	0
P12163_1_S1,16795	K.AQDFVCGLPPR.I	1563.825	0.00012	3	1	51.4	0
P12163_1_S1,16999	K.AQDFVCGLPPR.I	1563.825	0.00437	3	1	55.7	0
P12163_1_S1,17011	K.AQDFVCGLPPR.I	1563.825	0.0038	2	1	29.7	0
P12163_1_S1,17241	K.AQDFVCGLPPR.I	1563.825	-0.00103	3	1	40.5	0
P12163_1_S1,17252	K.AQDFVCGLPPR.I	1563.825	0.00344	2	1	34.6	0
P12163_1_S1,17499	K.AQDFVCGLPPR.I	1563.825	0.00458	2	1	30.9	0
P12163_1_S1,17596	K.AQDFVCGLPPR.I	1563.825	0.00372	3	1	49	0
P12163_1_S1,17763	K.AQDFVCGLPPR.I	1563.825	0.00432	2	1	32	0
P12163_1_F7,12581	K.ISM*PAHLM*YDGR.D	1726.856	0.00227	3	1	28.3	0
P12163_2_F6,12673	K.ISM*PAHLM*YDGR.D	1726.856	0.00161	3	1	23.2	0
P12163_1_F7,14523	K.ISM*PAHLMYDGR.D	1710.861	-0.00117	3	1	28.7	0
P12163_1_F8,15173	K.ISM*PAHLMYDGR.D	1710.861	0.00891	3	1	43.6	0
P12163_2_F6,14700	K.ISM*PAHLMYDGR.D	1710.861	-0.00132	3	1	51.3	0
P12163_1_F6,16449	K.ISMPAHLM*YDGR.D	1710.861	0.00153	3	1	25.9	0
P12163_1_F7,15605	K.ISMPAHLM*YDGR.D	1710.861	0.00144	3	1	41.7	0
P12163_1_F8,16367	K.ISMPAHLM*YDGR.D	1710.861	0.00345	3	1	38.2	0
P12163_1_F8,18364	K.ISMPAHLM*YDGR.D	1710.861	0.003	3	1	26.6	0
P12163_2_F9,15149	K.ISMPAHLM*YDGR.D	1710.861	0.00387	3	1	36.6	0
P12163_1_F6,18412	K.ISMPAHLMYDGR.D	1694.866	0.00054	3	1	37.6	0
P12163_1_F7,17429	K.ISMPAHLMYDGR.D	1694.866	-0.00051	3	1	24.6	0
P12163_1_F7,17575	K.ISMPAHLMYDGR.D	1694.866	0.00265	2	1	28.4	0

P12163_1_F8,18351	K.ISMPAHLMYDGR.D	1694.866	0.00072	3	1	40.8	0
P12163_2_F6,17859	K.ISMPAHLMYDGR.D	1694.866	-0.00201	3	1	45.1	0
P12163_2_F6,17876	K.ISMPAHLMYDGR.D	1694.866	0.00357	2	1	31.1	0
P12163_2_F9,16834	K.ISMPAHLMYDGR.D	1694.866	0.00288	3	1	35.6	0
P12163_2_S3,15812	K.ISMPAHLMYDGR.D	1694.866	0.00183	3	1	40.1	0
P12163_2_S5,16838	K.ISMPAHLMYDGR.D	1694.866	0.00291	3	1	47.1	0
P12163_2_S5,17060	K.ISMPAHLMYDGR.D	1694.866	0.00249	3	1	36.2	0
P12163_1_F3,21269	K.LAQICGIIASDEK.R	2026.146	0.00608	3	1	48.7	0
P12163_1_F3,21376	K.LAQICGIIASDEK.R	2026.146	-0.00009	2	1	36.5	0
P12163_1_F3,21477	K.LAQICGIIASDEK.R	2026.146	0.00671	3	1	32.8	0
P12163_1_F3,23202	K.LAQICGIIASDEK.R	2026.146	0.00535	2	1	62	0
P12163_1_F3,23209	K.LAQICGIIASDEK.R	2026.146	0.00851	3	1	68.7	0
P12163_1_F3,23523	K.LAQICGIIASDEK.R	2026.146	-0.00159	2	1	24.4	0
P12163_1_F4,24034	K.LAQICGIIASDEK.R	2026.146	0.00728	3	1	58.8	0
P12163_1_F4,24037	K.LAQICGIIASDEK.R	2026.146	0.00421	2	1	47.4	0
P12163_1_F6,21842	K.LAQICGIIASDEK.R	2026.146	0.00179	3	1	46.5	0
P12163_1_F7,21468	K.LAQICGIIASDEK.R	2026.146	0.01091	3	1	27.4	0
P12163_1_S1,20644	K.LAQICGIIASDEK.R	2026.146	0.00332	3	1	48.5	0
P12163_1_F8,21389	K.LAQICGIIASDEKR.H	2182.247	0.00565	4	1	37.1	0
P12163_1_F8,21439	K.LAQICGIIASDEKR.H	2182.247	0.00662	3	1	39.8	0
P12163_2_F6,19163	K.LAQICGIIASDEKR.H	2182.247	0.00465	4	1	31.7	0
P12163_2_F6,21029	K.LAQICGIIASDEKR.H	2182.247	0.00104	3	1	29.7	0
P12163_1_F2,11407	K.LTGLSGEGR.K	1193.679	0.00386	3	1	26.5	0
P12163_1_F2,11830	K.LTGLSGEGR.K	1193.679	0.00017	3	1	32	0
P12163_1_F2,12082	K.LTGLSGEGR.K	1193.679	0.0029	3	1	42.4	0
P12163_1_F3,11764	K.LTGLSGEGR.K	1193.679	0.00398	3	1	35.4	0
P12163_1_F3,12029	K.LTGLSGEGR.K	1193.679	0.00362	3	1	29.5	0
P12163_1_F3,12291	K.LTGLSGEGR.K	1193.679	0.0041	3	1	52.5	0
P12163_1_F3,12343	K.LTGLSGEGR.K	1193.679	0.0041	2	1	26.3	0
P12163_1_F3,12580	K.LTGLSGEGR.K	1193.679	0.00506	3	1	51.6	0
P12163_1_F3,14263	K.LTGLSGEGR.K	1193.679	0.00252	2	1	30.5	0
P12163_2_F1,11701	K.LTGLSGEGR.K	1193.679	0.00137	3	1	41.8	0
P12163_1_S1,24872	K.QASAVPFSWVFR.E	1755.948	0.00355	3	1	34	0
P12163_2_F8_12070	K.SLEGWAEENILVHLKF	3103.792	0.01198	4	1	41	0
P12163_1_F3,15471	K.TIQYLIGSGM*DPK.T	2047.135	0.00513	3	1	35.8	0
P12163_1_F3,20152	K.TIQYLIGSGM*DPK.T	2047.135	0.00384	3	1	37.7	0
P12163_1_F3,20167	K.TIQYLIGSGM*DPK.T	2047.135	0.00307	2	1	54	0
P12163_1_F3,22413	K.TIQYLIGSGM*DPK.T	2047.135	0.00727	2	1	38	0
P12163_1_F4,23173	K.TIQYLIGSGM*DPK.T	2047.135	0.00435	3	1	41	0
P12163_2_F7,19301	K.TIQYLIGSGM*DPK.T	2047.135	0.0051	3	1	43.7	0
P12163_1_F3,17644	K.TIQYLIGSGMDPK.T	2031.14	0.00501	3	1	42.2	0
P12163_1_F3,22359	K.TIQYLIGSGMDPK.T	2031.14	0.00126	3	1	36	0
P12163_1_F3,22384	K.TIQYLIGSGMDPK.T	2031.14	0.00318	2	1	39.1	0
P12163_1_F4,15627	K.YLYLSGR.V	1175.673	0.00021	3	1	22.1	0
P12163_1_F5,10069	R.ATFISHGNTAR.L ! R.A	1478.802	0.0023	3	1	43.8	0
P12163_1_F9,9236	R.ATFISHGNTAR.L ! R.A	1478.802	0.00263	3	1	24.4	0
P12163_2_F10,9962	R.ATFISHGNTAR.L ! R.A	1478.802	-0.00205	3	1	30.7	0
P12163_2_F4,8682	R.ATFISHGNTAR.L ! R.A	1478.802	-0.00607	3	1	45.3	0
P12163_2_F4,10236	R.ATFISHGNTAR.L ! R.A	1478.802	0.00236	3	1	56	0
P12163_2_F7,6679	R.ATFISHGNTAR.L ! R.A	1478.802	0.0026	4	1	44.1	0
P12163_2_F7,8668	R.ATFISHGNTAR.L ! R.A	1478.802	-0.0001	3	1	30.8	0

P12163_2_F7,10328	R.ATFISHGNTAR.L ! R.A	1478.802	0.00302	3	1	24.1	0
P12163_2_F1,10937	R.AWTAEENR.H	1280.654	0.00378	2	1	25.8	0
P12163_1_F6,19576	R.DDNLF EFHFSTVAQR.L	1982.987	-0.00212	3	1	26.8	0
P12163_1_F6,19602	R.DDNLF EFHFSTVAQR.L	1982.987	0.00141	2	1	37.3	0
P12163_1_F7,16359	R.DDNLF EFHFSTVAQR.L	1982.987	-0.0004	4	1	22.5	0
P12163_1_F7,16698	R.DDNLF EFHFSTVAQR.L	1982.987	0.00437	3	1	24	0
P12163_1_F7,18722	R.DDNLF EFHFSTVAQR.L	1982.987	0.00203	3	1	58.3	0
P12163_1_F7,18730	R.DDNLF EFHFSTVAQR.L	1982.987	0.00179	2	1	73.4	0
P12163_1_F8,19647	R.DDNLF EFHFSTVAQR.L	1982.987	0.00191	3	1	40.7	0
P12163_1_S10,1883	R.DDNLF EFHFSTVAQR.L	1982.987	0.00376	3	1	33.5	0
P12163_2_F8_1207C	R.DDNLF EFHFSTVAQR.L	1982.987	0.00317	3	1	39.4	0
P12163_2_F9,18278	R.DDNLF EFHFSTVAQR.L	1982.987	0.00304	3	1	41.3	0
P12163_2_S5,18168	R.DDNLF EFHFSTVAQR.L	1982.987	0.00511	3	1	30	0
P12163_2_S5,18527	R.DDNLF EFHFSTVAQR.L	1982.987	0.00001	2	1	46	0
P12163_1_F7,9385	R.EVHVQVTHSM*PQQK	2272.233	0.00831	3	1	26.9	0
P12163_1_F7,9393	R.EVHVQVTHSM*PQQK	2272.233	0.00555	4	1	48.3	0
P12163_1_F7,11137	R.EVHVQVTHSM*PQQK	2272.233	0.00585	3	1	30.1	0
P12163_1_F7,11141	R.EVHVQVTHSM*PQQK	2272.233	0.00543	4	1	41.9	0
P12163_1_F8,9683	R.EVHVQVTHSM*PQQK	2272.233	0.01032	3	1	27	0
P12163_1_F8,9745	R.EVHVQVTHSM*PQQK	2272.233	0.00583	4	1	36.6	0
P12163_1_F8,11564	R.EVHVQVTHSM*PQQK	2272.233	0.01014	3	1	34.9	0
P12163_2_F10,9457	R.EVHVQVTHSM*PQQK	2272.233	0.00127	4	1	36.3	0
P12163_1_F7,11122	R.EVHVQVTHSM*PQQK.I	2256.238	0.00219	4	1	29.9	0
P12163_1_F7,11138	R.EVHVQVTHSM*PQQK.I	2256.238	0.00651	3	1	41.7	0
P12163_1_F8,11528	R.EVHVQVTHSM*PQQK.I	2256.238	0.00786	3	1	46.1	0
P12163_2_F10,1088	R.EVHVQVTHSM*PQQK.I	2256.238	0.00287	4	1	42.9	0
P12163_2_F10,1090	R.EVHVQVTHSM*PQQK.I	2256.238	0.00717	3	1	42.4	0
P12163_2_F4,10804	R.EVHVQVTHSM*PQQK.I	2256.238	0.00307	4	1	25.6	0
P12163_1_F3,7862	R.HETAYTK.I	1457.821	0.00645	3	1	46.1	0
P12163_1_F4,8291	R.HETAYTK.I	1457.821	0.00639	3	1	29.8	0
P12163_1_F5,6763	R.HETAYTK.I	1457.821	0.00525	3	1	41	0
P12163_2_S5,8054	R.HETAYTK.I	1457.821	0.00654	3	1	27.4	0
P12163_1_F6,10889	R.HGDLLNK.Y	1404.842	0.00746	3	1	42.9	0
P12163_1_F7,10344	R.HGDLLNK.Y	1404.842	0.00047	3	1	34	0
P12163_1_S10,1178	R.HGDLLNK.Y	1404.842	0.00554	3	1	31.2	0
P12163_1_S10,1200	R.HGDLLNK.Y	1404.842	0.00467	3	1	29.7	0
P12163_2_F6,10839	R.HGDLLNK.Y	1404.842	0.00083	3	1	28.2	0
P12163_2_F8_1207C	R.HGDLLNK.Y	1404.842	0.00323	3	1	32.1	0
P12163_2_F8_1207C	R.HGDLLNK.Y	1404.842	0.00554	3	1	30.4	0
P12163_2_F6,15976	R.KAQDFVCGLPPI	1996.126	0.00494	3	1	30.6	0
P12163_2_F7,14526	R.KAQDFVCGLPPI	1996.126	0.00587	3	1	29.4	0
P12163_2_F7,14528	R.KAQDFVCGLPPI	1996.126	0.0002	2	1	29.8	0
P12163_2_F7,14678	R.KAQDFVCGLPPI	1996.126	0.00783	4	1	32.2	0
P12163_2_F7,14874	R.KAQDFVCGLPPI	1996.126	0.00203	4	1	31.6	0
P12163_1_F6,15465	R.LGVYTAK.D	1359.846	0.00473	2	1	26.5	0
P12163_1_S10,1503	R.LGVYTAK.D	1359.846	0.00871	2	1	25.3	0
P12163_2_F1,14701	R.LGVYTAK.D	1359.846	0.00569	3	1	24	0
P12163_1_F3,20033	K.AVLVGESIVK.Q	1623.03	0.00386	2	1	26	0
P12163_1_F3,20034	K.AVLVGESIVK.Q	1623.03	0.00461	3	1	29.5	0
P12163_1_F4,20560	K.AVLVGESIVK.Q	1623.03	0.0074	2	1	51.8	0
P12163_1_F4,20578	K.AVLVGESIVK.Q	1623.03	0.00464	3	1	47.6	0

P12163_1_F4,20870	K.AVLVGESIVK.Q	1623.03	0.0059	3	1	41.1	0
P12163_1_F4,20948	K.AVLVGESIVK.Q	1623.03	0.00448	2	1	57.8	0
P12163_1_F5,19295	K.AVLVGESIVK.Q	1623.03	0.00647	3	1	31.6	0
P12163_1_F5,19302	K.AVLVGESIVK.Q	1623.03	0.00774	2	1	43	0
P12163_1_F6,18893	K.AVLVGESIVK.Q	1623.03	0.00116	3	1	23.3	0
P12163_1_F6,18905	K.AVLVGESIVK.Q	1623.03	0.00206	2	1	32.1	0
P12163_1_F6,19408	K.AVLVGESIVK.Q	1623.03	0.00767	3	1	44.6	0
P12163_1_F7,18577	K.AVLVGESIVK.Q	1623.03	0.00602	3	1	39.5	0
P12163_1_S10,1817	K.AVLVGESIVK.Q	1623.03	0.00773	3	1	47.3	0
P12163_2_F1,19978	K.AVLVGESIVK.Q	1623.03	0.00791	3	1	31.7	0
P12163_2_F1,19984	K.AVLVGESIVK.Q	1623.03	0.00496	2	1	52.3	0
P12163_2_F1,20244	K.AVLVGESIVK.Q	1623.03	0.00422	3	1	41.4	0
P12163_2_F4,17642	K.AVLVGESIVK.Q	1623.03	0.00146	3	1	57.7	0
P12163_2_F4,17680	K.AVLVGESIVK.Q	1623.03	0.00162	2	1	57.9	0
P12163_2_F4,17856	K.AVLVGESIVK.Q	1623.03	0.00062	3	1	40	0
P12163_2_F4,18161	K.AVLVGESIVK.Q	1623.03	0.00464	3	1	46.7	0
P12163_2_F4,18178	K.AVLVGESIVK.Q	1623.03	0.00562	2	1	54.6	0
P12163_1_F5,14478	K.CPLLCK.E	1398.806	0.0074	3	1	22	0
P12163_2_F1,14598	K.CPLLCK.E	1398.806	0.00665	3	1	22.8	0
P12163_1_F5,14338	K.DVEVTQLK.Q	1539.92	0.00279	2	1	24.6	0
P12163_2_F1,14513	K.DVEVTQLK.Q	1539.92	0.00734	2	1	36.9	0
P12163_1_F3,17062	K.GGAACLSILTDEK.Y	1943.073	0.00199	3	1	26.7	0
P12163_1_F3,17100	K.GGAACLSILTDEK.Y	1943.073	0.00621	2	1	33.2	0
P12163_1_F3,19305	K.GGAACLSILTDEK.Y	1943.073	0.00653	2	1	76.1	0
P12163_1_F3,19335	K.GGAACLSILTDEK.Y	1943.073	0.00451	3	1	54.2	0
P12163_1_F4,17526	K.GGAACLSILTDEK.Y	1943.073	0.00496	3	1	27.1	0
P12163_1_F4,19729	K.GGAACLSILTDEK.Y	1943.073	0.01141	3	1	24.7	0
P12163_1_F4,19730	K.GGAACLSILTDEK.Y	1943.073	0.01033	2	1	64.4	0
P12163_1_F4,19939	K.GGAACLSILTDEK.Y	1943.073	0.00643	3	1	56.8	0
P12163_1_F5,18570	K.GGAACLSILTDEK.Y	1943.073	0.00376	3	1	22.1	0
P12163_1_F5,18625	K.GGAACLSILTDEK.Y	1943.073	0.01179	2	1	45	0
P12163_1_F6,18478	K.GGAACLSILTDEK.Y	1943.073	0.00814	3	1	25.7	0
P12163_1_F6,18811	K.GGAACLSILTDEK.Y	1943.073	0.01039	3	1	23	0
P12163_1_F7,17533	K.GGAACLSILTDEK.Y	1943.073	0.00541	3	1	43.4	0
P12163_2_F1,19167	K.GGAACLSILTDEK.Y	1943.073	0.00484	3	1	36.4	0
P12163_2_F1,19370	K.GGAACLSILTDEK.Y	1943.073	0.00757	3	1	42.4	0
P12163_2_F1,19392	K.GGAACLSILTDEK.Y	1943.073	0.00713	2	1	79.9	0
P12163_2_F1,19585	K.GGAACLSILTDEK.Y	1943.073	0.00412	3	1	37.5	0
P12163_2_F4,17119	K.GGAACLSILTDEK.Y	1943.073	-0.00227	3	1	36.8	0
P12163_2_F4,17522	K.GGAACLSILTDEK.Y	1943.073	0.01117	3	1	31.7	0
P12163_1_F4,20949	K.GITGLFGK.D	1400.872	0.00744	3	1	30.2	0
P12163_1_F4,21059	K.GITGLFGK.D	1400.872	0.0063	2	1	30	0
P12163_1_F4,23405	K.GITGLFGK.D	1400.872	0.00642	2	1	25.9	0
P12163_1_F5,19808	K.GITGLFGK.D	1400.872	0.00596	2	1	28.7	0
P12163_1_F5,19810	K.GITGLFGK.D	1400.872	0.0069	3	1	35.6	0
P12163_1_F5,22558	K.GITGLFGK.D	1400.872	0.00466	2	1	28.9	0
P12163_1_F6,19875	K.GITGLFGK.D	1400.872	0.0061	2	1	28.4	0
P12163_1_F6,19877	K.GITGLFGK.D	1400.872	0.0012	3	1	23.8	0
P12163_1_F7,19080	K.GITGLFGK.D	1400.872	0.00645	3	1	23.9	0
P12163_1_F8,19540	K.GITGLFGK.D	1400.872	0.00066	3	1	25	0
P12163_2_F1,20420	K.GITGLFGK.D	1400.872	0.00562	2	1	29.9	0

P12163_2_F1,20458	K.GITGLFGK.D	1400.872	0.00021	3	1	24.4	0
P12163_2_F2,20427	K.GITGLFGK.D	1400.872	0.00544	2	1	27	0
P12163_2_S5,17958	K.GITGLFGK.D	1400.872	0.00093	3	1	27.3	0
P12163_1_F3,13263	K.GSFENLEAVR.S	1425.764	0.00427	2	1	24.7	0
P12163_1_F3,16860	K.GSFENLEAVR.S	1425.764	0.00345	2	1	29.2	0
P12163_2_F4,14738	K.GSFENLEAVR.S	1425.764	0.00437	2	1	26.6	0
P12163_1_F4,14634	K.LLEGER.G	1020.599	0.00319	2	1	24.8	0
P12163_2_F1,13277	K.LLEGER.G	1020.599	-0.00079	2	1	26.8	0
P12163_1_F7,19156	K.M*LGLTALVEVHDER.	1903.026	0.00205	3	1	65.3	0
P12163_1_F7,22280	K.M*LGLTALVEVHDER.	1903.026	0.00559	3	1	59.6	0
P12163_1_F7,22342	K.MLGLTALVEVHDER.E	1887.031	0.00559	3	1	70.8	0
P12163_1_F2,9985	K.NALDNAPPAR.D	1342.738	0.00304	2	1	32.7	0
P12163_1_F3,10251	K.NALDNAPPAR.D	1342.738	0.00624	2	1	25.3	0
P12163_1_F8,6170	K.QDDPGK.G	1267.71	0.00373	2	1	28.1	0
P12163_1_F2,22937	R.DFIGALM*AANQR.T	1626.857	-0.002	3	1	51.6	0
P12163_1_S1,19130	R.DFIGALM*AANQR.T	1626.857	0.00259	3	1	56.3	0
P12163_1_S1,19385	R.DFIGALM*AANQR.T	1626.857	0.00265	3	1	58.5	0
P12163_1_S1,22241	R.DFIGALM*AANQR.T	1626.857	0.00496	3	1	52.8	0
P12163_1_S1,22212	R.DFIGALMAANQR.T	1610.863	0.00283	3	1	40.5	0
P12163_1_S1,22266	R.DFIGALMAANQR.T	1610.863	0.00754	2	1	42.7	0
P12163_1_S1,22449	R.DFIGALMAANQR.T	1610.863	0.00088	3	1	29.5	0
P12163_1_F8,20316	R.GILREDFDPVEIAR.S	1934.065	0.00496	3	1	29.3	0
P12163_1_F8,20341	R.GILREDFDPVEIAR.S	1934.065	0.00367	2	1	29.3	0
P12163_1_F3,6524	R.IQNEGNTPR.N	1332.717	0.00232	2	1	25.2	0
P12163_1_S10,2117	R.NILEEIVWHK.D	1889.11	0.00089	3	1	47	0
P12163_2_F6,23118	R.NILEEIVWHK.D	1889.11	0.00527	4	1	22.5	0
P12163_2_F6,23281	R.NILEEIVWHK.D	1889.11	0.00521	3	1	49.7	0
P12163_2_F8_1207	R.NILEEIVWHK.D	1889.11	0.00251	3	1	34.1	0
P12163_2_F8_1207	R.NILEEIVWHK.D	1889.11	-0.00009	4	1	27.3	0
P12163_2_F8_1207	R.NILEEIVWHK.D	1889.11	-0.00007	3	1	50.3	0
P12163_2_F8_1207	R.NILEEIVWHK.D	1889.11	0.00797	3	1	54.7	0
P12163_2_F9,21377	R.NILEEIVWHK.D	1889.11	0.0098	3	1	32	0
P12163_1_F3,17341	R.NLETFEVDISNTK.K	2118.154	0.00617	3	1	32.4	0
P12163_1_F3,19194	R.NLETFEVDISNTK.K	2118.154	0.01061	2	1	38.8	0
P12163_1_F3,21088	R.NLETFEVDISNTK.K	2118.154	0.00247	2	1	51.9	0
P12163_1_F3,21205	R.NLETFEVDISNTK.K	2118.154	0.0059	3	1	57.1	0
P12163_1_F6,20077	R.NLETFEVDISNTK.K	2118.154	0.00479	3	1	59.1	0
P12163_1_F7,18483	R.RPPTGPPLHYVGPQFI	2270.25	0.00381	3	1	38.8	0
P12163_2_F4,18097	R.RPPTGPPLHYVGPQFI	2270.25	0.00153	4	1	26.3	0
P12163_1_F3,20636	R.TGLPALIAEVK.K	1720.083	0.00787	2	1	41.4	0
P12163_1_F3,20652	R.TGLPALIAEVK.K	1720.083	0.00259	3	1	37.8	0
P12163_1_F3,23549	R.TGLPALIAEVK.K	1720.083	0.00421	3	1	23	0
P12163_1_F3,23618	R.TGLPALIAEVK.K	1720.083	0.00965	2	1	43.3	0
P12163_1_F3,23794	R.TGLPALIAEVK.K	1720.083	0.00568	3	1	46.2	0
P12163_1_F3,24038	R.TGLPALIAEVK.K	1720.083	0.00568	3	1	29.2	0
P12163_1_F4,21296	R.TGLPALIAEVK.K	1720.083	0.00643	3	1	31.5	0
P12163_1_F5,22833	R.TGLPALIAEVK.K	1720.083	0.00403	3	1	23.6	0
P12163_1_F6,22100	R.TGLPALIAEVK.K	1720.083	0.00202	3	1	27.7	0
P12163_1_F7,21776	R.TGLPALIAEVK.K	1720.083	0.0043	3	1	28.1	0
P12163_2_F1,23852	R.TGLPALIAEVK.K	1720.083	0.00523	3	1	32.5	0
P12163_2_F4,21136	R.TGLPALIAEVK.K	1720.083	0.00613	3	1	24.6	0

P12163_1_F4,20530	K.AVEM*FIDEK.I	1705.929	0.0085	2	1	36.6	0
P12163_1_F4,22752	K.AVEM*FIDEK.I	1705.929	0.00655	3	1	39.5	0
P12163_1_F4,22898	K.AVEM*FIDEK.I	1705.929	0.00736	2	1	39.3	0
P12163_1_F7,20036	K.AVEM*FIDEK.I	1705.929	0.00712	3	1	25.3	0
P12163_2_F1,19968	K.AVEM*FIDEK.I	1705.929	0.00542	2	1	26.6	0
P12163_2_F4,17793	K.AVEM*FIDEK.I	1705.929	0.00451	3	1	22.4	0
P12163_1_F3,20632	K.AVEMFIDEK.I	1689.934	0.00702	2	1	36.4	0
P12163_1_F3,21897	K.AVEMFIDEK.I	1689.934	0.00556	2	1	35.3	0
P12163_1_F4,22696	K.AVEMFIDEK.I	1689.934	0.00564	2	1	49.9	0
P12163_1_F4,22764	K.AVEMFIDEK.I	1689.934	0.00406	3	1	45.1	0
P12163_1_F4,22953	K.AVEMFIDEK.I	1689.934	0.00818	2	1	46.4	0
P12163_1_F5,21441	K.AVEMFIDEK.I	1689.934	0.00895	3	1	22	0
P12163_1_F7,20061	K.AVEMFIDEK.I	1689.934	0.00082	3	1	33.8	0
P12163_2_F1,22227	K.AVEMFIDEK.I	1689.934	0.00379	3	1	46.7	0
P12163_2_F4,19507	K.AVEMFIDEK.I	1689.934	-0.00035	3	1	30.7	0
P12163_1_F6,20726	K.EALANVEEKPEILAGE	3144.736	0.00652	4	1	24.5	0
P12163_1_F6,20842	K.EALANVEEKPEILAGE	3144.736	0.00169	3	1	55.5	0
P12163_1_F7,19881	K.ETLIAGGPFVLPLAHK.	2271.368	0.00303	3	1	24.3	0
P12163_1_F7,22273	K.ETLIAGGPFVLPLAHK.	2271.368	0.006	3	1	29.8	0
P12163_1_F7,22277	K.ETLIAGGPFVLPLAHK.	2271.368	0.00677	4	1	30.8	0
P12163_1_F7,22296	K.ETLIAGGPFVLPLAHK.	2271.368	0.0047	2	1	55.9	0
P12163_1_F7,22476	K.ETLIAGGPFVLPLAHK.	2271.368	0.00601	4	1	25.7	0
P12163_1_F7,22488	K.ETLIAGGPFVLPLAHK.	2271.368	0.00738	3	1	29	0
P12163_2_S5,18846	K.ETLIAGGPFVLPLAHK.	2271.368	0.00229	4	1	27.2	0
P12163_2_S5,21041	K.ETLIAGGPFVLPLAHK.	2271.368	0.00362	4	1	40.6	0
P12163_2_S5,21165	K.ETLIAGGPFVLPLAHK.	2271.368	0.00675	3	1	54.5	0
P12163_2_S5,21332	K.ETLIAGGPFVLPLAHK.	2271.368	0.00465	3	1	23.4	0
P12163_2_F8_12070	K.HPNWSMGK.K	1564.851	0.00718	3	1	27.8	0
P12163_1_F4,26232	K.IGYLDIFK.V	1576.956	0.0066	3	1	23.6	0
P12163_1_F5,24281	K.IGYLDIFK.V	1576.956	0.01038	3	1	22.9	0
P12163_1_F7,22979	K.IGYLDIFK.V	1576.956	0.00353	2	1	35.4	0
P12163_1_F7,23013	K.IGYLDIFK.V	1576.956	0.00195	3	1	25.8	0
P12163_1_F9,22881	K.IGYLDIFK.V	1576.956	0.00765	2	1	27	0
P12163_2_F9,21768	K.IGYLDIFK.V	1576.956	0.00645	3	1	27.1	0
P12163_1_F3,17411	K.ITVDSATLFNK.G	1817.063	0.00493	2	1	23.9	0
P12163_1_F3,20476	K.ITVDSATLFNK.G	1817.063	-0.00341	3	1	37.3	0
P12163_1_F3,20510	K.ITVDSATLFNK.G	1817.063	0.00679	2	1	56.2	0
P12163_1_F6,19456	K.ITVDSATLFNK.G	1817.063	0.00058	3	1	39.7	0
P12163_2_F4,18628	K.ITVDSATLFNK.G	1817.063	0.0001	3	1	34.5	0
P12163_1_F2,17773	K.LGSLTFVAPDTAK.Y	1928.131	0.00681	3	1	29.7	0
P12163_1_F2,18630	K.LGSLTFVAPDTAK.Y	1928.131	0.006	3	1	25.3	0
P12163_1_F2,19794	K.LGSLTFVAPDTAK.Y	1928.131	0.00954	3	1	29.9	0
P12163_1_F2,21570	K.LGSLTFVAPDTAK.Y	1928.131	0.00542	2	1	67	0
P12163_1_F2,21598	K.LGSLTFVAPDTAK.Y	1928.131	0.00294	3	1	50.4	0
P12163_1_F3,22154	K.LGSLTFVAPDTAK.Y	1928.131	0.00729	3	1	42.4	0
P12163_1_F5,21100	K.LGSLTFVAPDTAK.Y	1928.131	0.00306	3	1	33.5	0
P12163_2_F4,20046	K.LGSLTFVAPDTAK.Y	1928.131	0.00174	3	1	25.5	0
P12163_1_F4,16978	K.VVELTCDK.H	1571.892	0.00678	2	1	29.6	0
P12163_1_F5,15729	K.VVELTCDK.H	1571.892	0.00733	3	1	23.3	0
P12163_2_F1,16156	K.VVELTCDK.H	1571.892	0.00558	2	1	27.1	0
P12163_2_F4,14630	K.VVELTCDK.H	1571.892	0.00248	2	1	50.4	0

P12163_1_S1,16787	K.YPSVNLAYAAGR.A	1585.864	0.00333	3	1	56.6	0
P12163_1_S1,16853	K.YPSVNLAYAAGR.A	1585.864	0.00369	2	1	33.7	0
P12163_2_F7,15357	K.YPSVNLAYAAGR.A	1585.864	-0.00189	2	1	47.3	0
P12163_1_F4,13841	R.AGGTM*TGVLSAANEI	2031.1	0.00724	3	1	32.3	0
P12163_1_F4,17602	R.AGGTM*TGVLSAANEI	2031.1	0.00329	2	1	26.6	0
P12163_1_F4,17612	R.AGGTM*TGVLSAANEI	2031.1	0.00583	3	1	41	0
P12163_2_F1,12932	R.AGGTM*TGVLSAANEI	2031.1	0.00385	3	1	33.8	0
P12163_2_F1,12968	R.AGGTM*TGVLSAANEI	2031.1	0.00283	2	1	47.4	0
P12163_2_F2,605	R.AGGTM*TGVLSAANEI	2031.1	0.00826	3	1	34.7	0
P12163_2_F2,1066	R.AGGTM*TGVLSAANEI	2031.1	0.00385	3	1	23.2	0
P12163_1_F4,13781	R.AGGTMTGVLSAANEK	2015.105	0.00904	3	1	31.3	0
P12163_1_F4,17668	R.AGGTMTGVLSAANEK	2015.105	0.00469	2	1	97.4	0
P12163_2_F1,16780	R.AGGTMTGVLSAANEK	2015.105	0.00295	3	1	42.2	0
P12163_2_F2,653	R.AGGTMTGVLSAANEK	2015.105	0.00478	3	1	29.5	0
P12163_2_F2,865	R.AGGTMTGVLSAANEK	2015.105	0.00838	3	1	40.5	0
P12163_2_F2,1065	R.AGGTMTGVLSAANEK	2015.105	0.00217	3	1	40.7	0
P12163_2_F2,1532	R.AGGTMTGVLSAANEK	2015.105	0.00598	3	1	31.5	0
P12163_2_F2,1770	R.AGGTMTGVLSAANEK	2015.105	0.00571	3	1	27	0
P12163_2_F2,2154	R.AGGTMTGVLSAANEK	2015.105	0.00793	3	1	29.2	0
P12163_2_F2,2439	R.AGGTMTGVLSAANEK	2015.105	0.00433	3	1	27.8	0
P12163_1_F3,9276	R.AVTETFR.K	1127.636	0.00411	3	1	31.8	0
P12163_1_F3,13309	R.AVTETFR.K	1127.636	0.00307	2	1	24	0
P12163_1_F2,14105	R.EYAAGLQFSSGR.S	1589.822	0.01036	3	1	38.8	0
P12163_1_F2,14524	R.EYAAGLQFSSGR.S	1589.822	0.00427	3	1	36.2	0
P12163_1_F2,16140	R.EYAAGLQFSSGR.S	1589.822	0.00351	2	1	50.6	0
P12163_1_F9,16106	R.EYAAGLQFSSGR.S	1589.822	0.00467	2	1	35.6	0
P12163_2_F9,15419	R.EYAAGLQFSSGR.S	1589.822	0.00049	3	1	22.4	0
P12163_1_F2,16930	R.IILTASGGAFR.D	1409.842	0.00088	3	1	28.7	0
P12163_1_F2,17485	R.IILTASGGAFR.D	1409.842	0.00313	3	1	64.5	0
P12163_1_F3,20957	R.IYCSELTWPR.L	1628.841	0.00327	2	1	34.7	0
P12163_1_F4,19672	R.NESLLDEIK.E	1668.963	0.01122	2	1	35.1	0
P12163_1_F4,19704	R.NESLLDEIK.E	1668.963	0.01587	3	1	27.2	0
P12163_1_F4,19853	R.NESLLDEIK.E	1668.963	0.00982	2	1	39	0
P12163_1_F4,19888	R.NESLLDEIK.E	1668.963	0.00705	3	1	36	0
P12163_1_F4,20054	R.NESLLDEIK.E	1668.963	0.00786	2	1	41.5	0
P12163_1_F4,20148	R.NESLLDEIK.E	1668.963	0.00582	3	1	42.5	0
P12163_1_F5,18740	R.NESLLDEIK.E	1668.963	0.01401	3	1	37.3	0
P12163_1_F5,18744	R.NESLLDEIK.E	1668.963	0.00146	2	1	31.8	0
P12163_1_F7,17650	R.NESLLDEIK.E	1668.963	-0.00099	3	1	37.6	0
P12163_1_S10,1810	R.NESLLDEIK.E	1668.963	0.00414	3	1	34.4	0
P12163_2_F1,19018	R.NESLLDEIK.E	1668.963	0.00464	2	1	33	0
P12163_2_F1,19165	R.NESLLDEIK.E	1668.963	0.00234	3	1	26.3	0
P12163_2_F1,19213	R.NESLLDEIK.E	1668.963	0.00426	2	1	40.5	0
P12163_2_F1,19362	R.NESLLDEIK.E	1668.963	0.00789	3	1	42	0
P12163_2_F1,19410	R.NESLLDEIK.E	1668.963	0.00662	2	1	45.9	0
P12163_2_F1,19590	R.NESLLDEIK.E	1668.963	0.00582	3	1	42.3	0
P12163_2_F1,19626	R.NESLLDEIK.E	1668.963	0.00126	2	1	42.2	0
P12163_2_S5,17181	R.NESLLDEIK.E	1668.963	0.00186	3	1	32.8	0
P12163_2_S5,17632	R.NESLLDEIK.E	1668.963	0.00894	3	1	29.2	0
P12163_1_F9,16957	R.RIILTASGGAFR.D	1565.943	0.00391	3	1	61.2	0
P12163_2_F8_12070	R.RIILTASGGAFR.D	1565.943	0.00037	3	1	35.6	0

P12163_1_S1,23651 R.VVALAAGSNITLLADQ	2391.443	-0.00213	4	1	51.4	0
P12163_1_S1,23758 R.VVALAAGSNITLLADQ	2391.443	0.00666	3	1	50.3	0
P12163_1_F3,12702 K.AMVDVAR.E	1065.603	0.00336	2	1	24.7	0
P12163_2_F1,12180 K.AMVDVAR.E	1065.603	0.00152	2	1	29.6	0
P12163_1_F4,12592 K.ASGACQLVVK.D	1640.961	0.00482	3	1	33.3	0
P12163_1_F4,14823 K.ASGACQLVVK.D	1640.961	0.00544	2	1	46.3	0
P12163_1_F4,14824 K.ASGACQLVVK.D	1640.961	0.00401	3	1	39.8	0
P12163_1_F5,13482 K.ASGACQLVVK.D	1640.961	0.008	2	1	46.5	0
P12163_1_F6,14306 K.ASGACQLVVK.D	1640.961	0.00818	2	1	47.4	0
P12163_1_F7,13036 K.ASGACQLVVK.D	1640.961	0.00563	3	1	39	0
P12163_1_F7,13044 K.ASGACQLVVK.D	1640.961	0.0026	2	1	25.5	0
P12163_2_F1,13808 K.ASGACQLVVK.D	1640.961	0.00612	2	1	46.6	0
P12163_2_F1,13809 K.ASGACQLVVK.D	1640.961	0.00425	3	1	39.6	0
P12163_2_F2,2913 K.ASGACQLVVK.D	1640.961	0.00422	3	1	24.4	0
P12163_2_F2,3092 K.ASGACQLVVK.D	1640.961	0.00374	3	1	31.4	0
P12163_2_S5,12541 K.ASGACQLVVK.D	1640.961	0.00227	3	1	39.9	0
P12163_2_S5,13150 K.ASGACQLVVK.D	1640.961	0.00584	3	1	31.2	0
P12163_1_F5,13123 K.DSLALK.Y	1254.788	0.00666	3	1	24.3	0
P12163_2_F1,13499 K.DSLALK.Y	1254.788	0.00522	3	1	26.5	0
P12163_2_S5,12183 K.DSLALK.Y	1254.788	-0.00072	3	1	25.6	0
P12163_1_F3,15454 K.ELDGLEEK.A	1540.868	0.00949	2	1	41.4	0
P12163_1_F4,15557 K.ELDGLEEK.A	1540.868	0.00975	2	1	34.6	0
P12163_1_F4,15652 K.ELDGLEEK.A	1540.868	0.00456	3	1	22.2	0
P12163_1_F7,13991 K.ELDGLEEK.A	1540.868	0.00161	2	1	25.9	0
P12163_2_F1,14604 K.ELDGLEEK.A	1540.868	0.00701	2	1	33.8	0
P12163_2_F4,13528 K.ELDGLEEK.A	1540.868	0.00371	2	1	25.2	0
P12163_2_S3,13100 K.ELDGLEEK.A	1540.868	0.00144	3	1	24.3	0
P12163_1_F4,8081 K.GSVSVTGR.T	1066.616	0.00585	3	1	29.4	0
P12163_1_S10,9125 K.GSVSVTGR.T	1066.616	0.00381	2	1	29	0
P12163_2_F1,7221 K.GSVSVTGR.T	1066.616	0.00426	3	1	45.9	0
P12163_2_F1,8099 K.GSVSVTGR.T	1066.616	0.00035	2	1	29.3	0
P12163_2_F1,8152 K.GSVSVTGR.T	1066.616	0.00205	2	1	35.6	0
P12163_1_F8,11470 K.HNVPVPVTK.K	1598.984	0.00266	3	1	30.6	0
P12163_1_F9,12161 K.HNVPVPVTK.K	1598.984	0.00817	4	1	26.3	0
P12163_2_F7,11168 K.HNVPVPVTK.K	1598.984	0.00248	3	1	33.9	0
P12163_1_S1,25940 K.LSPASLLAELNEIGGR.	1944.107	0.00583	3	1	28.3	0
P12163_1_F4,10621 K.TTTGSVTLK.L	1515.92	0.00816	2	1	27.9	0
P12163_1_F4,13069 K.TTTGSVTLK.L	1515.92	0.006	2	1	47.3	0
P12163_1_F9,12538 K.TTTGSVTLK.L	1515.92	0.00064	2	1	25.9	0
P12163_2_F1,12085 K.TTTGSVTLK.L	1515.92	0.00738	3	1	32.9	0
P12163_2_F1,12089 K.TTTGSVTLK.L	1515.92	0.00504	2	1	43.1	0
P12163_1_F6,18496 K.YAELVYAGR.W	1345.742	0.00211	2	1	24.2	0
P12163_1_F4,12074 R.AGAIYER.K	1083.61	0.00235	2	1	28.2	0
P12163_1_S10,1216 R.AGAIYER.K	1083.61	0.00343	2	1	24.2	0
P12163_2_F1,11082 R.AGAIYER.K	1083.61	0.00309	2	1	26	0
P12163_2_F8,12070 R.AGAIYER.K	1083.61	0.00255	2	1	27.4	0
P12163_1_F3,13109 R.EDAIEYAK.K	1546.857	0.00929	2	1	33.3	0
P12163_1_F4,14888 R.EDAIEYAK.K	1546.857	0.00989	2	1	37.8	0
P12163_1_F4,14946 R.EDAIEYAK.K	1546.857	0.00548	3	1	30.2	0
P12163_1_F7,13237 R.EDAIEYAK.K	1546.857	0.00729	2	1	24.3	0
P12163_1_F7,13771 R.EDAIEYAK.K	1546.857	0.01303	2	1	33.9	0

P12163_2_F1,13900	R.EDAIEYAK.K	1546.857	0.00631	2	1	38.1	0
P12163_2_F1,13922	R.EDAIEYAK.K	1546.857	0.00428	3	1	31.7	0
P12163_2_F4,12464	R.EDAIEYAK.K	1546.857	0.00773	3	1	26.5	0
P12163_2_F4,12842	R.EDAIEYAK.K	1546.857	0.00307	2	1	24.4	0
P12163_2_F9,13534	R.EDAIEYAK.K	1546.857	0.00825	2	1	35	0
P12163_1_S1,17463	R.ENYGCEVVCFTADVG	2754.369	-0.00318	4	1	45.3	0
P12163_1_S1,17475	R.ENYGCEVVCFTADVG	2754.369	0.00468	3	1	39.5	0
P12163_1_F3,18320	R.ESIDAFM*ENITK.T	2022.067	0.00549	2	1	35	0
P12163_1_F6,17554	R.ESIDAFM*ENITK.T	2022.067	0.00401	3	1	22.3	0
P12163_1_F6,21903	R.ESIDAFM*ENITK.T	2022.067	-0.00001	3	1	40.7	0
P12163_1_F3,21716	R.ESIDAFMENITK.T	2006.072	0.00234	2	1	58.1	0
P12163_1_F3,23223	R.ESIDAFMENITK.T	2006.072	0.00074	3	1	43	0
P12163_1_F3,23224	R.ESIDAFMENITK.T	2006.072	0.004	2	1	71	0
P12163_1_F3,23469	R.ESIDAFMENITK.T	2006.072	0.00803	3	1	23.7	0
P12163_1_F4,24044	R.ESIDAFMENITK.T	2006.072	0.00152	3	1	36.9	0
P12163_1_F4,24062	R.ESIDAFMENITK.T	2006.072	0.00808	2	1	69.8	0
P12163_1_F5,22555	R.ESIDAFMENITK.T	2006.072	0.00464	3	1	25.9	0
P12163_1_F6,21848	R.ESIDAFMENITK.T	2006.072	0.00104	3	1	36	0
P12163_2_F1,10558	R.ETMQVK.D	1343.781	0.00124	3	1	26.1	0
P12163_1_F4,9854	R.EVESAPK.S	1367.799	0.00216	3	1	26.4	0
P12163_1_F7,8556	R.EVESAPK.S	1367.799	0.00018	3	1	24.6	0
P12163_1_F8,8769	R.EVESAPK.S	1367.799	0.00117	3	1	27.3	0
P12163_2_F1,8973	R.EVESAPK.S	1367.799	0.00423	3	1	32.6	0
P12163_2_F1,9234	R.EVESAPK.S	1367.799	0.0105	3	1	27.5	0
P12163_2_S5,8424	R.EVESAPK.S	1367.799	0.0021	3	1	25.5	0
P12163_1_F8,9802	R.EVGADAVAHGCTGK.()	1980.043	0.00717	3	1	32	0
P12163_1_F8,9984	R.EVGADAVAHGCTGK.()	1980.043	0.00398	4	1	22.4	0
P12163_1_F8,10827	R.EVGADAVAHGCTGK.()	1980.043	-0.00287	2	1	43.3	0
P12163_1_F8,10852	R.EVGADAVAHGCTGK.()	1980.043	0.00422	4	1	29.1	0
P12163_1_F8,11013	R.EVGADAVAHGCTGK.()	1980.043	0.00528	3	1	28.9	0
P12163_1_F8,21437	R.EVGADAVAHGCTGK.()	1980.043	0.00552	3	1	36.6	0
P12163_1_F9,10893	R.EVGADAVAHGCTGK.()	1980.043	0.00849	3	1	43.1	0
P12163_1_S10,10827	R.EVGADAVAHGCTGK.()	1980.043	0.00963	3	1	40.9	0
P12163_1_S10,1149	R.EVGADAVAHGCTGK.()	1980.043	0.00852	3	1	31.4	0
P12163_2_F6,9716	R.EVGADAVAHGCTGK.()	1980.043	0.00624	3	1	40.4	0
P12163_2_F6,9808	R.EVGADAVAHGCTGK.()	1980.043	0.00466	4	1	25.8	0
P12163_2_F6,10664	R.EVGADAVAHGCTGK.()	1980.043	0.00463	2	1	50.7	0
P12163_2_F6,10691	R.EVGADAVAHGCTGK.()	1980.043	0.0047	4	1	40.6	0
P12163_2_F6,10838	R.EVGADAVAHGCTGK.()	1980.043	0.00843	3	1	52.7	0
P12163_1_F7,20509	R.QDISSFESGQIYDQAD/	2722.326	0.01143	3	1	53.1	0
P12163_1_F3,22426	K.DGPGAPGGQSWTVQV	2392.287	0.00363	2	1	30.1	0
P12163_1_F3,22446	K.DGPGAPGGQSWTVQV	2392.287	0.00607	3	1	49.1	0
P12163_1_F6,21198	K.DGPGAPGGQSWTVQV	2392.287	0.00346	3	1	26.2	0
P12163_1_F5,7675	K.DYAEAHAK.L	1512.827	0.01091	2	1	38.2	0
P12163_1_F6,8865	K.DYAEAHAK.L	1512.827	0.00643	3	1	24.1	0
P12163_1_F6,8869	K.DYAEAHAK.L	1512.827	0.00619	2	1	36.4	0
P12163_1_F7,7985	K.DYAEAHAK.L	1512.827	0.00887	2	1	28.5	0
P12163_1_F9,8456	K.DYAEAHAK.L	1512.827	0.00859	2	1	41.3	0
P12163_1_F9,8477	K.DYAEAHAK.L	1512.827	0.00268	3	1	44.3	0
P12163_1_S10,9473	K.DYAEAHAK.L	1512.827	0.00481	3	1	32.1	0
P12163_2_F7,8076	K.DYAEAHAK.L	1512.827	0.00547	3	1	43.7	0

P12163_2_F7,8122	K.DYAEAHAK.L	1512.827	0.00553	2	1	40.3	0
P12163_2_F9,8781	K.DYAEAHAK.L	1512.827	0.00535	3	1	28.9	0
P12163_2_S5,8696	K.DYAEAHAK.L	1512.827	0.00802	3	1	45.4	0
P12163_2_S5,8759	K.DYAEAHAK.L	1512.827	0.00659	2	1	38.4	0
P12163_1_F6,15904	K.EIVALSGAHTVGR.S	1613.928	0.00193	3	1	24.2	0
P12163_1_F7,12357	K.EIVALSGAHTVGR.S	1613.928	0.00193	4	1	31.7	0
P12163_1_F7,13190	K.EIVALSGAHTVGR.S	1613.928	0.00238	3	1	37.6	0
P12163_1_F7,15011	K.EIVALSGAHTVGR.S	1613.928	0.00475	3	1	24.9	0
P12163_1_F7,15031	K.EIVALSGAHTVGR.S	1613.928	0.00212	2	1	30.8	0
P12163_1_F8,12832	K.EIVALSGAHTVGR.S	1613.928	0.00187	3	1	26.6	0
P12163_1_F8,12871	K.EIVALSGAHTVGR.S	1613.928	0.00405	4	1	36.8	0
P12163_1_F8,13712	K.EIVALSGAHTVGR.S	1613.928	0.00118	3	1	30	0
P12163_1_F8,15732	K.EIVALSGAHTVGR.S	1613.928	0.00295	3	1	38.5	0
P12163_1_F8,15733	K.EIVALSGAHTVGR.S	1613.928	-0.00152	2	1	25.8	0
P12163_2_F6,15195	K.EIVALSGAHTVGR.S	1613.928	0.00434	2	1	38.5	0
P12163_2_F8_12070	K.EIVALSGAHTVGR.S	1613.928	0.00505	3	1	46.1	0
P12163_2_F9,14569	K.EIVALSGAHTVGR.S	1613.928	0.00259	3	1	33.4	0
P12163_1_F5,16906	K.FDNSYFK.N ! K.FDNSY	1528.826	0.00791	2	1	25.5	0
P12163_2_F1,17244	K.FDNSYFK.N ! K.FDNSY	1528.826	0.00777	2	1	24.2	0
P12163_2_F8_12070	K.FDNSYFK.N ! K.FDNSY	1528.826	0.00705	2	1	24.3	0
P12163_1_F8,14176	K.HAANAGLVNALK.L	1787.075	0.00375	3	1	26.6	0
P12163_1_F9,14439	K.HAANAGLVNALK.L	1787.075	0.00624	3	1	53.5	0
P12163_1_F9,14444	K.HAANAGLVNALK.L	1787.075	0.00403	4	1	32	0
P12163_1_F9,14449	K.HAANAGLVNALK.L	1787.075	0.00788	2	1	62.7	0
P12163_1_S10,1445	K.HAANAGLVNALK.L	1787.075	0.0072	3	1	40.9	0
P12163_2_F9,13380	K.HAANAGLVNALK.L	1787.075	0.00621	3	1	31.1	0
P12163_2_F9,13412	K.HAANAGLVNALK.L	1787.075	0.00699	4	1	34.6	0
P12163_2_F9,13441	K.HAANAGLVNALK.L	1787.075	0.0066	2	1	61	0
P12163_1_F5,13749	K.LSNLGAK.F	1310.825	0.0071	2	1	32.7	0
P12163_1_F5,13762	K.LSNLGAK.F	1310.825	0.00413	3	1	39.3	0
P12163_1_F5,13350	K.SELSEAMK.Q	1502.834	0.00755	3	1	29.8	0
P12163_1_F6,13134	K.STFCHPILVR.L	1533.851	0.00085	3	1	32.7	0
P12163_1_F8,15431	K.STFCHPILVR.L	1533.851	0.00235	3	1	47.6	0
P12163_2_F4,14361	K.STFCHPILVR.L	1533.851	0.00208	3	1	34	0
P12163_2_S5,14386	K.STFCHPILVR.L	1533.851	0.0028	3	1	44.6	0
P12163_1_F4,18928	K.YAEDQEAFK.D	1855.969	0.00599	3	1	44.4	0
P12163_1_F4,19078	K.YAEDQEAFK.D	1855.969	0.00523	2	1	42.7	0
P12163_1_F5,17625	K.YAEDQEAFK.D	1855.969	0.00147	2	1	54.1	0
P12163_1_F7,16675	K.YAEDQEAFK.D	1855.969	0.00391	2	1	39.1	0
P12163_1_F9,17337	K.YAEDQEAFK.D	1855.969	0.00177	2	1	47.4	0
P12163_2_F9,16878	K.YAEDQEAFK.D	1855.969	0.00794	3	1	43.5	0
P12163_2_F9,16879	K.YAEDQEAFK.D	1855.969	0.00295	2	1	47.3	0
P12163_2_S5,17109	K.YAEDQEAFK.D	1855.969	0.00329	3	1	30.9	0
P12163_2_F6,14577	R.AEYEA VGGSPDTPLR.S	1865.955	-0.00235	2	1	39.6	0
P12163_1_F5,6441	R.GGANASLR.F	1049.6	0.0011	2	1	26.9	0
P12163_1_F6,14686	R.LGWHDAGTYDK.N	1870.991	0.00213	3	1	23.9	0
P12163_1_F9,14491	R.LGWHDAGTYDK.N	1870.991	0.00702	3	1	24.5	0
P12163_2_F7,13199	R.LGWHDAGTYDK.N	1870.991	0.00666	3	1	34.7	0
P12163_1_F7,12101	R.LPAAGPPSPAHLR.N	1716.97	-0.00116	3	1	28.4	0
P12163_1_F7,13817	R.LPAAGPPSPAHLR.N	1716.97	0.00112	3	1	46.6	0
P12163_1_F7,13903	R.LPAAGPPSPAHLR.N	1716.97	0.0024	2	1	28.5	0

P12163_1_F8,19	R.LPAAGPPSPAHLR.N	1716.97	0.00145	3	1	27.5	0
P12163_1_F8,241	R.LPAAGPPSPAHLR.N	1716.97	-0.00125	3	1	26.7	0
P12163_1_F8,421	R.LPAAGPPSPAHLR.N	1716.97	0.00109	3	1	28.5	0
P12163_1_F8,12580	R.LPAAGPPSPAHLR.N	1716.97	0.00316	3	1	25.4	0
P12163_1_F8,14466	R.LPAAGPPSPAHLR.N	1716.97	-0.00014	3	1	42.3	0
P12163_1_F8,14488	R.LPAAGPPSPAHLR.N	1716.97	0.00228	2	1	24.1	0
P12163_2_F6,13981	R.LPAAGPPSPAHLR.N	1716.97	0.00406	3	1	38.2	0
P12163_2_F8_12070	R.LPAAGPPSPAHLR.N	1716.97	0.00391	3	1	28.6	0
P12163_2_S5,13118	R.LPAAGPPSPAHLR.N	1716.97	0.00319	3	1	47.3	0
P12163_2_S5,13205	R.LPAAGPPSPAHLR.N	1716.97	0.00051	4	1	45.2	0
P12163_2_S5,13335	R.LPAAGPPSPAHLR.N	1716.97	0.00265	3	1	77.2	0
P12163_1_S10,1623	R.M*GLNDKEIVALSGAH	2592.439	0.00798	4	1	47.3	0
P12163_2_F10,1637	R.M*GLNDKEIVALSGAH	2592.439	0.0093	4	1	55.8	0
P12163_2_S5,15586	R.M*GLNDKEIVALSGAH	2592.439	0.00286	4	1	39.4	0
P12163_1_S10,1755	R.MGLNDKEIVALSGAH	2576.444	0.00702	4	1	43	0
P12163_2_F10,1634	R.MGLNDKEIVALSGAH	2576.444	0.00826	4	1	53.7	0
P12163_1_F7,23926	R.RDEDLLVLPTDAVLFE	3027.65	0.00371	3	1	59.7	0
P12163_1_F7,23999	R.RDEDLLVLPTDAVLFE	3027.65	0.00412	4	1	33	0
P12163_1_F8,6199	R.RGGANASLR.F	1205.702	0.00861	3	1	32	0
P12163_2_F10,6739	R.RGGANASLR.F	1205.702	0.00681	3	1	37.7	0
P12163_2_F8_12070	R.RGGANASLR.F	1205.702	0.00651	3	1	40.9	0
P12163_1_F6,15557	R.VDVSQPEQCPEEGRLP	3256.632	0.00257	4	1	57.6	0
P12163_1_F9,15281	R.VDVSQPEQCPEEGRLP	3256.632	-0.00131	4	1	48.1	0
P12163_2_F6,14942	R.VDVSQPEQCPEEGRLP	3256.632	0.00353	4	1	47	0
P12163_2_F7,14029	R.VDVSQPEQCPEEGRLP	3256.632	0.00225	4	1	43.7	0
P12163_2_F9,14112	R.VDVSQPEQCPEEGRLP	3256.632	0.00365	4	1	34	0
P12163_2_F1,9088	K.AADEAVK.I	1311.773	0.00665	2	1	35.2	0
P12163_2_F1,9100	K.AADEAVK.I	1311.773	0.00218	3	1	25.1	0
P12163_1_F8,18780	K.ALEYEDFDKFDR.V	2156.112	0.00612	2	1	33.7	0
P12163_1_F2,9255	K.GVDAQIASGGGR.M	1391.754	0.00156	3	1	26	0
P12163_1_F2,10539	K.GVDAQIASGGGR.M	1391.754	0.00572	2	1	33.2	0
P12163_1_S1,10567	K.GVDAQIASGGGR.M	1391.754	0.00358	2	1	27.1	0
P12163_1_F3,21858	K.IIIDAIEK.V	1522.966	0.00897	2	1	50.6	0
P12163_1_F3,21883	K.IIIDAIEK.V	1522.966	0.00583	3	1	28.9	0
P12163_1_F4,22766	K.IIIDAIEK.V	1522.966	0.00487	2	1	36.9	0
P12163_1_F4,22924	K.IIIDAIEK.V	1522.966	0.00799	3	1	32.6	0
P12163_1_F6,21094	K.IIIDAIEK.V	1522.966	0.00406	3	1	23.1	0
P12163_2_F1,22310	K.IIIDAIEK.V	1522.966	0.00623	2	1	42.1	0
P12163_1_F7,17683	K.LPSHYLVSPPEIDR.T	1927.059	0.00463	3	1	34	0
P12163_1_F7,17700	K.LPSHYLVSPPEIDR.T	1927.059	0.00264	2	1	32	0
P12163_1_F8,18646	K.LPSHYLVSPPEIDR.T	1927.059	0.00259	3	1	33.5	0
P12163_2_F10,1646	K.LPSHYLVSPPEIDR.T	1927.059	0.00337	3	1	40.2	0
P12163_2_F4,17360	K.LPSHYLVSPPEIDR.T	1927.059	0.00448	3	1	27.8	0
P12163_2_S5,17017	K.LPSHYLVSPPEIDR.T	1927.059	0.00256	3	1	44.9	0
P12163_1_F3,23164	K.LVDLALASGK.I	1594.999	0.00945	2	1	44.8	0
P12163_1_F3,23211	K.LVDLALASGK.I	1594.999	0.00656	3	1	37.2	0
P12163_1_F4,23945	K.LVDLALASGK.I	1594.999	0.00605	3	1	30.6	0
P12163_1_F4,23946	K.LVDLALASGK.I	1594.999	0.00791	2	1	46.9	0
P12163_2_F1,23380	K.LVDLALASGK.I	1594.999	0.0044	3	1	30.6	0
P12163_2_F1,23381	K.LVDLALASGK.I	1594.999	0.00521	2	1	48.3	0
P12163_1_F7,17478	K.VGGIYLVLTADHGNAE	2613.38	0.00488	3	1	28.3	0

P12163_1_F7,18772	K.VGGIYLV TADHGNAE	2613.38	0.00944	3	1	37.1	0
P12163_1_F7,18731	K.VGGIYLV TADHGNAE	2597.385	0.0083	3	1	46.6	0
P12163_2_F10,1727	K.VGGIYLV TADHGNAE	2597.385	0.00146	3	1	46.5	0
P12163_2_S5,18005	K.VGGIYLV TADHGNAE	2597.385	0.00605	3	1	24.2	0
P12163_2_S5,18047	K.VGGIYLV TADHGNAE	2597.385	0.00996	4	1	32.5	0
P12163_1_F7,17200	K.YNCIHVADTPTM*DSF	2523.247	0.01813	3	1	27	0
P12163_2_F6,15608	K.YNCIHVADTPTM*DSF	2523.247	0.0045	3	1	26.5	0
P12163_1_F8,17973	K.YNCIHVADTPTMDSFk	2507.252	0.00598	3	1	55.1	0
P12163_1_F8,18001	K.YNCIHVADTPTMDSFk	2507.252	0.0019	4	1	37.7	0
P12163_1_F8,16720	R.GWDAQVLGEAPHK.F	2016.112	0.00668	3	1	60.4	0
P12163_1_F8,16761	R.GWDAQVLGEAPHK.F	2016.112	0.00249	2	1	62.2	0
P12163_2_F6,16168	R.GWDAQVLGEAPHK.F	2016.112	0.00275	3	1	52.8	0
P12163_1_F5,14857	R.IFAQGAK.L	1342.83	0.00608	2	1	27.1	0
P12163_1_F5,14926	R.IFAQGAK.L	1342.83	0.00037	3	1	28	0
P12163_2_F2,15590	R.IFAQGAK.L	1342.83	0.00326	2	1	26.8	0
P12163_2_F2,15638	R.IFAQGAK.L	1342.83	0.001	3	1	32.3	0
P12163_1_F3,25961	R.LDQLQLLLK.G	1692.088	0.00346	3	1	36.4	0
P12163_1_F3,25968	R.LDQLQLLLK.G	1692.088	0.00424	2	1	55.4	0
P12163_1_F4,26862	R.LDQLQLLLK.G	1692.088	0.00671	2	1	49	0
P12163_1_F9,16569	R.LHILTDGR.D	1228.731	0.00462	3	1	31.7	0
P12163_1_F9,16840	R.LHILTDGR.D	1228.731	0.00441	3	1	30.2	0
P12163_2_F6,15572	R.LHILTDGR.D	1228.731	0.00288	3	1	29.9	0
P12163_2_F7,14945	R.LHILTDGR.D	1228.731	0.00549	3	1	28.8	0
P12163_2_F1,18059	R.MVMLAK.A	1300.794	0.00405	3	1	22.1	0
P12163_1_F4,13675	R.TFACSETVK.F	1650.898	0.00337	3	1	27.2	0
P12163_1_F4,13684	R.TFACSETVK.F	1650.898	0.00709	2	1	27.5	0
P12163_1_F5,12211	R.TFACSETVK.F	1650.898	0.01094	2	1	31.8	0
P12163_1_F5,12249	R.TFACSETVK.F	1650.898	0.00766	3	1	43.9	0
P12163_1_F6,12219	R.TSGEYLVHNGVR.T	1635.876	0.00382	3	1	50.4	0
P12163_2_F6,9726	R.TSGEYLVHNGVR.T	1635.876	0.00249	3	1	26.5	0
P12163_2_F6,11727	R.TSGEYLVHNGVR.T	1635.876	0.00654	3	1	34.3	0
P12163_1_F3,20267	R.YAGMLQYDGELK.L	1996.067	0.01168	2	1	49.7	0
P12163_1_F3,20288	R.YAGMLQYDGELK.L	1996.067	0.00633	3	1	47.9	0
P12163_1_F4,20853	R.YAGMLQYDGELK.L	1996.067	0.00806	3	1	52.8	0
P12163_1_F4,20858	R.YAGMLQYDGELK.L	1996.067	0.00086	2	1	49.7	0
P12163_1_F9,19312	R.YAGMLQYDGELK.L	1996.067	0.00417	3	1	37.7	0
P12163_2_F9,18252	R.YAGMLQYDGELK.L	1996.067	0.00851	3	1	37.7	0
P12163_1_F4,18600	R.YENDWDVVK.R	1775.942	0.0092	3	1	34.1	0
P12163_2_F1,17755	R.YENDWDVVK.R	1775.942	0.00351	2	1	32.2	0
P12163_1_F4,19246	K.EVDVVEWK.G	1611.92	0.00508	3	1	34.4	0
P12163_2_F1,18481	K.EVDVVEWK.G	1611.92	0.00749	2	1	39.4	0
P12163_1_F5,16657	K.FQNSILK.K	1457.894	0.00331	3	1	28.2	0
P12163_1_F5,16679	K.FQNSILK.K	1457.894	0.00664	2	1	28.6	0
P12163_1_F8,16654	K.FQNSILK.K	1457.894	0.00695	3	1	28.5	0
P12163_2_F2,17383	K.FQNSILK.K	1457.894	0.00356	2	1	24.7	0
P12163_2_F2,17389	K.FQNSILK.K	1457.894	0.00268	3	1	26.1	0
P12163_1_F3,18780	K.GDILAVGVTEK.D	1710.026	0.00527	3	1	45.1	0
P12163_1_F3,18959	K.GDILAVGVTEK.D	1710.026	0.00366	2	1	55.9	0
P12163_1_F6,17738	K.GDILAVGVTEK.D	1710.026	0.00311	3	1	31.3	0
P12163_1_F4,19061	K.GLTFDSGGYNIK.T	1880.037	0.00614	2	1	45.6	0
P12163_1_F4,19107	K.GLTFDSGGYNIK.T	1880.037	0.00696	3	1	62.5	0

P12163_1_F9,17698	K.GLTFDSGGYNIK.T	1880.037	0.0078	3	1	62.8	0
P12163_2_F1,18331	K.GLTFDSGGYNIK.T	1880.037	0.00538	2	1	42.7	0
P12163_2_F1,18351	K.GLTFDSGGYNIK.T	1880.037	0.00693	3	1	51.2	0
P12163_2_F9,16833	K.GLTFDSGGYNIK.T	1880.037	0.00324	3	1	58.3	0
P12163_1_F9,15442	K.RVGLIGLQASASR.A	1617.97	-0.00027	3	1	31.7	0
P12163_1_S1,7983	K.SGVADM*VNTGGR.Q	1483.748	0.00405	3	1	44.4	0
P12163_1_S1,8325	K.SGVADM*VNTGGR.Q	1483.748	-0.00684	3	1	24.4	0
P12163_1_S1,8539	K.SGVADM*VNTGGR.Q	1483.748	0.00552	3	1	23.1	0
P12163_1_S1,11480	K.SGVADM*VNTGGR.Q	1483.748	-0.00054	3	1	34.8	0
P12163_1_F2,13273	K.SGVADMVNTGGR.Q	1467.753	0.00113	2	1	29.6	0
P12163_1_S1,11878	K.SGVADMVNTGGR.Q	1467.753	0.00553	3	1	24	0
P12163_1_S1,12991	K.SGVADMVNTGGR.Q	1467.753	0.00153	2	1	32.5	0
P12163_1_F2,21138	K.SVDIIGLGTGPELEK.K	2136.237	0.00362	3	1	41.1	0
P12163_1_S1,19814	K.SVDIIGLGTGPELEK.K	2136.237	0.00404	2	1	68.5	0
P12163_1_S1,19816	K.SVDIIGLGTGPELEK.K	2136.237	0.00899	3	1	55.8	0
P12163_2_F1,18212	K.TGPGCLIENMK.Y	1827.992	0.00554	2	1	39.5	0
P12163_1_S1,8593	K.TIEVNNTDAEGR.L	1622.829	0.00169	3	1	23.9	0
P12163_1_F8,21487	K.VQWM*HIDIAGPVWSI	2520.353	0.00103	3	1	27.6	0
P12163_1_F3,19759	K.YDMGGAAAVLGAAG	1903.057	0.0041	2	1	84.4	0
P12163_1_F3,19773	K.YDMGGAAAVLGAAG	1903.057	0.00513	3	1	55.1	0
P12163_1_S1,21843	R.ELVNSPANVLTAVLA	2760.56	0.00854	4	1	68.7	0
P12163_1_S1,21893	R.ELVNSPANVLTAVLA	2760.56	0.007	3	1	73.3	0
P12163_2_F1,15072	R.LPGIGSK.R	1279.819	0.00865	3	1	23.3	0
P12163_1_S1,24188	R.LTLADALIYACNQGVI	2473.358	0.00733	3	1	46.1	0
P12163_1_F3,24506	R.MPLEESYWEMMK.S	2182.084	0.00795	3	1	30.9	0
P12163_1_F4,11691	R.SLGESVAAAAA.A	1611.953	0.0032	2	1	26.9	0
P12163_1_F4,15147	R.SLGESVAAAAA.A	1611.953	0.00528	2	1	48.9	0
P12163_2_F1,14046	R.SLGESVAAAAA.A	1611.953	0.00577	3	1	52.2	0
P12163_2_F1,14048	R.SLGESVAAAAA.A	1611.953	0.00276	2	1	49	0
P12163_1_F2,17863	R.VGLIGLQASASR.A	1461.869	0.00126	3	1	34.1	0
P12163_1_F2,19547	R.VGLIGLQASASR.A	1461.869	0.0017	2	1	25	0
P12163_1_F2,19620	R.VGLIGLQASASR.A	1461.869	0.00066	3	1	54.2	0
P12163_1_S1,18544	R.VGLIGLQASASR.A	1461.869	0.01107	3	1	33.6	0
P12163_1_S1,18655	R.VGLIGLQASASR.A	1461.869	0.00432	2	1	32.7	0
P12163_1_S1,18799	R.VGLIGLQASASR.A	1461.869	0.00639	3	1	52.7	0
P12163_1_F3,12393	K.ATNELVLR.L ! R.ATNI	1219.731	0.00181	3	1	32.1	0
P12163_2_F1,14196	K.ATNELVLR.L ! R.ATNI	1219.731	0.00389	2	1	26.6	0
P12163_1_S1,17758	K.ELVENLSVLR.F	1475.873	0.00063	3	1	23.5	0
P12163_1_S1,20471	K.ELVENLSVLR.F	1475.873	-0.00201	3	1	29	0
P12163_1_S1,20474	K.ELVENLSVLR.F	1475.873	0.00232	2	1	26.1	0
P12163_1_F3,13767	K.GGVSYPAYTDDK.T	1880.985	0.00257	2	1	40.4	0
P12163_1_F4,14282	K.GGVSYPAYTDDK.T	1880.985	0.00495	2	1	45.9	0
P12163_1_F9,18507	K.HFTIFGYAR.S	1415.774	0.00541	3	1	22.2	0
P12163_2_F4,17657	K.HFTIFGYAR.S	1415.774	0.00391	3	1	29.7	0
P12163_1_S1,17518	K.IIPEYYPYGSR.G	1661.884	-0.00348	3	1	41	0
P12163_2_F6,17666	K.IIPEYYPYGSR.G	1661.884	0.00183	3	1	41	0
P12163_1_F9,9447	K.LM*AHEGGR.V	1190.625	0.00437	3	1	35.7	0
P12163_1_F9,9401	K.LMAHEGGR.V	1174.63	0.00402	3	1	27.1	0
P12163_1_F2,14939	K.NETPLNELNER.L	1632.849	0.00139	2	1	29.9	0
P12163_2_F4,16038	R.CFYHSGQYDSQENFA/	2888.377	0.007	4	1	31.9	0
P12163_2_F4,16046	R.CFYHSGQYDSQENFA/	2888.377	0.00531	3	1	48	0

P12163_1_F4,10061	R.DSESSAAMTK.S	1634.852	0.00641	2	1	26.3	0
P12163_2_F1,9158	R.DSESSAAMTK.S	1634.852	0.01107	2	1	30.6	0
P12163_2_F6,12027	R.GPVGAHYLAAR.Y	1415.806	0.00088	3	1	32.8	0
P12163_2_F7,11446	R.GPVGAHYLAAR.Y	1415.806	0.00421	3	1	37.3	0
P12163_2_S5,11860	R.GPVGAHYLAAR.Y	1415.806	0.00509	3	1	33	0
P12163_1_F5,10327	R.HVPGNLYNR.N	1373.759	0.00358	3	1	25.3	0
P12163_1_F9,11238	R.HVPGNLYNR.N	1373.759	0.00415	3	1	26.2	0
P12163_2_F4,10302	R.HVPGNLYNR.N	1373.759	0.00232	3	1	26.5	0
P12163_1_F5,14523	R.IDHYLGK.E	1453.862	0.00756	3	1	24.1	0
P12163_1_F6,15310	R.IDHYLGK.E	1453.862	0.0057	2	1	25.8	0
P12163_1_F6,15324	R.IDHYLGK.E	1453.862	0.00696	3	1	35.4	0
P12163_2_F9,14321	R.IDHYLGK.E	1453.862	0.0033	3	1	25.7	0
P12163_2_S5,14430	R.IDHYLGK.E	1453.862	0.00453	3	1	35.6	0
P12163_1_F3,19747	R.LEDVVTGQYK.S	1760.005	0.00272	2	1	34.1	0
P12163_1_F4,20314	R.LEDVVTGQYK.S	1760.005	0.00542	2	1	43.3	0
P12163_1_F4,20334	R.LEDVVTGQYK.S	1760.005	0.00537	3	1	37.4	0
P12163_1_F9,18684	R.LEDVVTGQYK.S	1760.005	0.00384	2	1	50.7	0
P12163_2_F1,19722	R.LEDVVTGQYK.S	1760.005	0.0039	3	1	38.9	0
P12163_1_F2,23564	R.LLLDAIEGER.R	1432.831	0.00357	2	1	31	0
P12163_1_S1,22675	R.LLLDAIEGER.R	1432.831	0.00211	2	1	30.6	0
P12163_1_S1,22740	R.LLLDAIEGER.R	1432.831	0.00009	3	1	47.5	0
P12163_1_S1,22894	R.LLLDAIEGER.R	1432.831	0.00373	2	1	46.8	0
P12163_1_S1,22962	R.LLLDAIEGER.R	1432.831	0.00282	3	1	61.2	0
P12163_1_S1,23106	R.LLLDAIEGER.R	1432.831	0.00279	2	1	45.1	0
P12163_2_F4,9959	R.SHLNLHYAAR.Y	1485.823	-0.00168	4	1	29.5	0
P12163_1_F3,18234	R.VQPDEAIYLK.I	1784.041	0.00208	2	1	30.8	0
P12163_1_F4,25879	R.WDGVPFML*K.A	1716.96	0.00867	3	1	25.8	0
P12163_1_F2,6486	K.APVEETR.K	1105.615	0.00366	3	1	32.3	0
P12163_1_F2,8033	K.APVEETR.K	1105.615	0.00448	2	1	26.6	0
P12163_1_F2,13124	K.AYELGVATR.L	1283.726	0.00277	3	1	34.4	0
P12163_2_S5,12102	K.DSLQHFK.K	1482.852	0.00615	3	1	38.2	0
P12163_1_F5,14925	K.GLAFTEK.E	1373.825	0.00294	3	1	27.9	0
P12163_2_F1,14844	K.GLAFTEK.E	1373.825	0.00742	2	1	25.9	0
P12163_2_F2,15632	K.GLAFTEK.E	1373.825	0.00552	2	1	27.2	0
P12163_2_F2,15636	K.GLAFTEK.E	1373.825	0.01104	3	1	24.6	0
P12163_1_F2,22102	K.GLIYPPFSNIR.K	1580.91	0.00214	3	1	28.1	0
P12163_1_F5,22987	K.IIEVLK.R ! K.ILEVLK.†	1322.887	0.00646	2	1	31.5	0
P12163_2_F1,17414	K.ISANIAANVAAK.A	1751.063	0.00397	2	1	64.3	0
P12163_1_F8,15402	K.LIGGTAEHR.F	1370.806	0.0034	3	1	48.9	0
P12163_2_F6,14765	K.LIGGTAEHR.F	1370.806	0.00262	3	1	56.8	0
P12163_2_F6,14791	K.LIGGTAEHR.F	1370.806	0.00592	2	1	24	0
P12163_1_F4,13831	K.QVTEENFEK.G	1731.937	0.00599	2	1	39.1	0
P12163_1_F4,13851	K.QVTEENFEK.G	1731.937	0.00615	3	1	47.2	0
P12163_1_F5,12560	K.QVTEENFEK.G	1731.937	0.01821	2	1	34.3	0
P12163_2_F1,12911	K.QVTEENFEK.G	1731.937	0.00871	2	1	35.4	0
P12163_1_F8,14840	K.STVEGGVEDVYGEDR	1915.919	0.00363	2	1	33.7	0
P12163_1_F3,21774	K.YVAMMELEER.N	1574.786	0.00515	2	1	27.5	0
P12163_1_S1,23318	R.AIFASGSPFPFEYNGK	2455.275	0.00643	4	1	33.3	0
P12163_1_F5,7616	R.DAHYLR.G	1078.595	0.00146	3	1	22.8	0
P12163_1_S10,9764	R.DAHYLR.G	1078.595	0.00278	3	1	28.8	0
P12163_2_F4,8031	R.DAHYLR.G	1078.595	0.00242	3	1	36	0

P12163_1_F2,17631	R.DGASVLDFDSK.S	1761.948	0.00975	2	1	44.4	0
P12163_1_F2,17697	R.DGASVLDFDSK.S	1761.948	0.00588	3	1	47.7	0
P12163_1_F3,18174	R.DGASVLDFDSK.S	1761.948	0.00654	2	1	54.3	0
P12163_1_F2,21613	R.GLLPPAVISQQLQEK.K	2229.343	0.00309	3	1	24.4	0
P12163_1_S1,21512	R.ILGLGDLGCQGM*GIP'	2409.345	0.00501	3	1	61.3	0
P12163_1_S1,23058	R.ILGLGDLGCQGMGIPV	2393.35	0.01315	4	1	40	0
P12163_1_S1,23069	R.ILGLGDLGCQGMGIPV	2393.35	0.00855	3	1	66.7	0
P12163_2_F6,21325	R.VHDDM*LLAASEALA	2208.215	0.00288	4	1	25.8	0
P12163_1_F8,21644	R.VHDDMLLAASEALAK	2192.22	0.00677	4	1	30.6	0
P12163_1_F8,21707	R.VHDDMLLAASEALAK	2192.22	0.00606	3	1	41.4	0
P12163_2_F6,21320	R.VHDDMLLAASEALAK	2192.22	0.00304	4	1	27.3	0
P12163_1_S1,20549	K.AGINVIQIDEAALR.E	1787.033	0.00451	2	1	47.5	0
P12163_1_S1,20569	K.AGINVIQIDEAALR.E	1787.033	0.00211	3	1	45.3	0
P12163_1_S1,16154	K.DEGFFSANAAAQASR.	1845.903	0.00311	3	1	86.3	0
P12163_1_S1,16190	K.DEGFFSANAAAQASR.	1845.903	0.00274	2	1	56.6	0
P12163_2_F1,24913	K.FALESFWDGK.S	1807.984	0.0044	3	1	28.7	0
P12163_2_S3,11181	K.FSYASHK.A	1447.815	0.00315	3	1	29.3	0
P12163_1_F2,20917	K.GVTAYGFDLVR.G	1501.832	0.00193	2	1	26.2	0
P12163_1_F4,18969	K.ISEEEYVASIK.E	1876.052	0.00698	2	1	41.4	0
P12163_2_F1,18282	K.ISEEEYVASIK.E	1876.052	0.00706	2	1	35.1	0
P12163_2_F1,9928	K.SSAEDLQK.V	1485.837	0.00637	2	1	36.8	0
P12163_1_F5,20887	K.SWLAFAAQK.V	1629.957	0.0053	3	1	33.2	0
P12163_2_F2,21278	K.SWLAFAAQK.V	1629.957	0.00812	3	1	34.7	0
P12163_2_F2,21288	K.SWLAFAAQK.V	1629.957	0.0045	2	1	32.6	0
P12163_1_F4,18122	K.VVEVNALAK.A	1550.973	0.00674	2	1	46.3	0
P12163_1_F4,18123	K.VVEVNALAK.A	1550.973	0.0051	3	1	33.2	0
P12163_2_F1,17394	K.VVEVNALAK.A	1550.973	-0.0044	2	1	41.4	0
P12163_1_F7,15849	K.YGAGIGPGVYDIHSPR	1963.034	0.01199	3	1	46.1	0
P12163_1_F8,16548	K.YGAGIGPGVYDIHSPR	1963.034	0.00161	3	1	67.2	0
P12163_1_F8,16568	K.YGAGIGPGVYDIHSPR	1963.034	0.0008	2	1	30.3	0
P12163_2_F6,16077	K.YGAGIGPGVYDIHSPR	1963.034	0.00008	2	1	38.2	0
P12163_2_F6,16081	K.YGAGIGPGVYDIHSPR	1963.034	0.00149	3	1	72.3	0
P12163_2_F8_12070	K.YGAGIGPGVYDIHSPR	1963.034	0.00311	3	1	37.6	0
P12163_2_S5,15526	K.YGAGIGPGVYDIHSPR	1963.034	0.00287	3	1	67.6	0
P12163_1_F9,20521	K.YLFAGVVDGR.N	1400.784	0.00377	2	1	38	0
P12163_1_S1,20473	K.YLFAGVVDGR.N	1400.784	0.00317	2	1	41.2	0
P12163_1_F4,5993	R.ATNVSAR.L	1022.59	-0.00304	3	1	26.8	0
P12163_1_F8,15796	R.CVKPPIYGDVSRPK.A	2641.563	0.00777	3	1	22.7	0
P12163_2_F1,14641	R.GLEGVVGK.D	1366.851	0.00646	3	1	25.4	0
P12163_1_F4,13898	R.GNASVPAMEMTK.W	1843.987	0.00788	3	1	48.5	0
P12163_1_S1,13998	R.IPSTEEIADR.I	1434.774	0.005	2	1	26.8	0
P12163_2_F2,11099	R.TQLASAK.-	1326.82	0.0072	2	1	34.7	0
P12163_1_F3,12871	K.ASSSSSSTAIADPEGIK.	2216.187	0.00464	3	1	28.4	0
P12163_1_F3,14289	K.ASSSSSSTAIADPEGIK.	2216.187	0.00563	3	1	48.8	0
P12163_1_F3,14314	K.ASSSSSSTAIADPEGIK.	2216.187	0.00516	2	1	74.3	0
P12163_1_F4,17282	K.EAAQIIK.I	1493.951	0.00576	3	1	25.9	0
P12163_1_F4,17293	K.EAAQIIK.I	1493.951	0.00547	2	1	33.2	0
P12163_2_F1,16470	K.EAAQIIK.I	1493.951	0.00475	2	1	27.5	0
P12163_2_F1,16480	K.EAAQIIK.I	1493.951	0.00534	3	1	27.6	0
P12163_2_F2,2451	K.EAAQIIK.I	1493.951	0.00743	2	1	30.7	0
P12163_2_F2,2933	K.EAAQIIK.I	1493.951	0.00047	2	1	30.9	0

P12163_2_F2,3288	K.EAAQIIIK.I	1493.951	0.00192	3	1	32.1	0
P12163_2_S5,14487	K.EAAQIIIK.I	1493.951	0.00913	2	1	24.8	0
P12163_2_S5,14511	K.EAAQIIIK.I	1493.951	0.00144	3	1	28	0
P12163_1_F4,21009	K.FFGNLM*DAGK.L	1723.93	0.00408	3	1	24.5	0
P12163_1_F4,24663	K.FFGNLM*DAGK.L	1723.93	0.00306	3	1	30.9	0
P12163_2_F1,20282	K.FFGNLM*DAGK.L	1723.93	0.01153	2	1	33.8	0
P12163_2_F1,20394	K.FFGNLM*DAGK.L	1723.93	0.00699	3	1	33.6	0
P12163_1_F4,24500	K.FFGNLM DAGK.L	1707.935	0.00261	2	1	61.2	0
P12163_2_F1,23810	K.FFGNLM DAGK.L	1707.935	0.00717	3	1	28	0
P12163_1_F2,13738	K.FNYSSGQPAPESITDK.	2349.218	0.00642	3	1	39.8	0
P12163_1_F2,14530	K.FNYSSGQPAPESITDK.	2349.218	0.00291	3	1	30.3	0
P12163_1_F2,15947	K.FNYSSGQPAPESITDK.	2349.218	0.00297	3	1	44.9	0
P12163_1_F2,15972	K.FNYSSGQPAPESITDK.	2349.218	-0.0001	2	1	36.3	0
P12163_1_F2,16195	K.FNYSSGQPAPESITDK.	2349.218	0.00807	3	1	29.9	0
P12163_1_F3,14088	K.FNYSSGQPAPESITDK.	2349.218	0.0066	3	1	38.7	0
P12163_1_F3,15054	K.FNYSSGQPAPESITDK.	2349.218	0.00621	3	1	34.1	0
P12163_1_F3,16517	K.FNYSSGQPAPESITDK.	2349.218	0.00459	3	1	58.9	0
P12163_1_F3,16518	K.FNYSSGQPAPESITDK.	2349.218	0.00404	2	1	36.1	0
P12163_1_F5,10923	K.IAAGNGVGK.I	1394.858	0.00957	3	1	30.7	0
P12163_2_F1,11476	K.IAAGNGVGK.I	1394.858	0.00483	3	1	27.4	0
P12163_1_F4,19038	K.IYGNTLSISEIK.M	1946.142	0.00495	3	1	31.7	0
P12163_1_F4,21374	K.IYGNTLSISEIK.M	1946.142	0.00321	2	1	73.6	0
P12163_1_F4,21524	K.IYGNTLSISEIK.M	1946.142	0.00762	3	1	64.2	0
P12163_1_F4,23049	K.IYGNTLSISEIK.M	1946.142	0.00096	3	1	34.4	0
P12163_1_F6,19805	K.IYGNTLSISEIK.M	1946.142	0.00027	3	1	46.7	0
P12163_1_F9,19774	K.IYGNTLSISEIK.M	1946.142	0.00441	2	1	40.9	0
P12163_2_F1,20886	K.IYGNTLSISEIK.M	1946.142	0.00153	2	1	48.4	0
P12163_2_F7,18057	K.IYGNTLSISEIK.M	1946.142	-0.00075	3	1	27.4	0
P12163_2_F9,18344	K.IYGNTLSISEIK.M	1946.142	0.00423	3	1	35.7	0
P12163_2_F9,18381	K.IYGNTLSISEIK.M	1946.142	0.00507	2	1	31.4	0
P12163_1_F3,20586	K.LISVSDVVK.A	1567.988	0.00528	3	1	42.8	0
P12163_1_F3,20595	K.LISVSDVVK.A	1567.988	0.00509	2	1	48.6	0
P12163_1_F5,19916	K.LISVSDVVK.A	1567.988	0.00811	2	1	38.3	0
P12163_1_F5,19927	K.LISVSDVVK.A	1567.988	0.0048	3	1	31.5	0
P12163_1_F6,19310	K.LISVSDVVK.A	1567.988	0.00225	3	1	40.1	0
P12163_1_F6,19542	K.LISVSDVVK.A	1567.988	0.00066	3	1	40.8	0
P12163_1_F6,19572	K.LISVSDVVK.A	1567.988	0.00197	2	1	35.6	0
P12163_1_F6,19932	K.LISVSDVVK.A	1567.988	0.00135	2	1	39.7	0
P12163_1_F7,19127	K.LISVSDVVK.A	1567.988	0.00569	2	1	25	0
P12163_1_F7,19131	K.LISVSDVVK.A	1567.988	0.00069	3	1	29.3	0
P12163_1_F9,19566	K.LISVSDVVK.A	1567.988	0.00659	2	1	43.7	0
P12163_1_F9,19573	K.LISVSDVVK.A	1567.988	0.00894	3	1	31.3	0
P12163_1_S10,1849	K.LISVSDVVK.A	1567.988	0.00513	3	1	36.1	0
P12163_2_F1,20623	K.LISVSDVVK.A	1567.988	0.00501	3	1	44	0
P12163_2_F1,20689	K.LISVSDVVK.A	1567.988	0.00677	2	1	46.4	0
P12163_2_F4,18144	K.LISVSDVVK.A	1567.988	0.00159	3	1	25.9	0
P12163_2_F4,18705	K.LISVSDVVK.A	1567.988	0.00711	3	1	36.1	0
P12163_2_F4,18716	K.LISVSDVVK.A	1567.988	0.00623	2	1	39.1	0
P12163_2_F9,17917	K.LISVSDVVK.A	1567.988	0.00315	3	1	42.4	0
P12163_2_F9,17921	K.LISVSDVVK.A	1567.988	0.00809	2	1	41.9	0
P12163_2_S5,18130	K.LISVSDVVK.A	1567.988	0.00687	3	1	30.3	0

P12163_1_F3,26813	K.LPFFEVPTGWK.F	1929.109	0.00417	3	1	27.1	0
P12163_1_F6,16001	K.LSVCGEESFGTGSDHII	2155.039	0.00021	3	1	59.5	0
P12163_1_F7,13829	K.LSVCGEESFGTGSDHII	2155.039	0.00606	3	1	36.4	0
P12163_2_F4,14814	K.LSVCGEESFGTGSDHII	2155.039	0.00213	3	1	55.8	0
P12163_2_S5,15057	K.LSVCGEESFGTGSDHII	2155.039	0.00564	3	1	57.3	0
P12163_1_F9,11060	K.NGHLVLGGDGR.Y	1398.776	-0.00345	2	1	37.4	0
P12163_1_F9,11062	K.NGHLVLGGDGR.Y	1398.776	0.00206	3	1	42.2	0
P12163_2_F6,11149	K.NGHLVLGGDGR.Y	1398.776	0.00297	2	1	30.7	0
P12163_2_F6,11152	K.NGHLVLGGDGR.Y	1398.776	0.0026	3	1	23.9	0
P12163_2_F7,10309	K.NGHLVLGGDGR.Y	1398.776	0.00191	2	1	32.7	0
P12163_2_F7,10344	K.NGHLVLGGDGR.Y	1398.776	0.00221	3	1	49.9	0
P12163_1_S1,14960	R.FVFTDGSR.I	1232.658	0.0036	3	1	37.3	0
P12163_1_F2,19847	R.IYIEQFEPDVSK.H	2076.147	0.00571	3	1	24.1	0
P12163_1_F2,20808	R.IYIEQFEPDVSK.H	2076.147	0.00619	3	1	45.8	0
P12163_1_F3,21445	R.IYIEQFEPDVSK.H	2076.147	0.00323	2	1	31.9	0
P12163_1_F5,20384	R.IYIEQFEPDVSK.H	2076.147	0.00514	3	1	25.8	0
P12163_1_F5,20776	R.IYIEQFEPDVSK.H	2076.147	0.00409	3	1	25.6	0
P12163_1_F7,19876	R.IYIEQFEPDVSK.H	2076.147	0.00655	3	1	39.2	0
P12163_1_S1,19913	R.IYIEQFEPDVSK.H	2076.147	0.00652	3	1	38.1	0
P12163_1_S1,19936	R.IYIEQFEPDVSK.H	2076.147	0.00551	2	1	35.5	0
P12163_2_F4,19358	R.IYIEQFEPDVSK.H	2076.147	0.00439	3	1	44.8	0
P12163_2_F7,18481	R.IYIEQFEPDVSK.H	2076.147	0.00622	3	1	41.9	0
P12163_1_F2,8212	R.LSGTGSAGATVR.I	1380.775	0.00242	2	1	24.8	0
P12163_1_F3,6145	R.LSGTGSAGATVR.I	1380.775	0.00301	3	1	32	0
P12163_1_F3,6474	R.LSGTGSAGATVR.I	1380.775	0.00325	3	1	30.8	0
P12163_1_F3,6699	R.LSGTGSAGATVR.I	1380.775	0.00265	3	1	34.5	0
P12163_1_F3,7049	R.LSGTGSAGATVR.I	1380.775	0.00058	3	1	38.3	0
P12163_1_F3,8343	R.LSGTGSAGATVR.I	1380.775	0.0025	3	1	56.2	0
P12163_1_F3,8794	R.LSGTGSAGATVR.I	1380.775	0.00241	3	1	63.7	0
P12163_1_F3,9038	R.LSGTGSAGATVR.I	1380.775	0.00244	3	1	58.6	0
P12163_1_F3,11043	R.LSGTGSAGATVR.I	1380.775	0.00466	2	1	51.5	0
P12163_2_F1,7747	R.LSGTGSAGATVR.I	1380.775	0.00415	3	1	34.9	0
P12163_2_F1,7995	R.LSGTGSAGATVR.I	1380.775	0.00566	2	1	26.5	0
P12163_2_F1,8043	R.LSGTGSAGATVR.I	1380.775	0.00286	3	1	37	0
P12163_2_F1,10490	R.LSGTGSAGATVR.I	1380.775	0.00372	2	1	48.6	0
P12163_2_F4,10054	R.LSGTGSAGATVR.I	1380.775	0.00374	2	1	31.8	0
P12163_2_F8_12070	R.LSGTGSAGATVR.I	1380.775	0.00454	2	1	25.4	0
P12163_2_F1,14714	R.NMILGK.G ! R.NMILGF	1283.797	0.00506	3	1	24.2	0
P12163_1_F2,9504	R.SMPTSGALDR.V	1338.699	0.00217	3	1	35.4	0
P12163_1_F2,11437	R.SMPTSGALDR.V	1338.699	0.00178	3	1	33.5	0
P12163_1_F2,11976	R.SMPTSGALDR.V	1338.699	0.00398	2	1	26.8	0
P12163_1_F3,10925	R.YDYEECESEGANK.M	2202.012	0.00593	3	1	29.4	0
P12163_1_F3,12093	R.YDYEECESEGANK.M	2202.012	0.00668	3	1	43.2	0
P12163_1_F3,12108	R.YDYEECESEGANK.M	2202.012	0.00688	2	1	56.4	0
P12163_1_F4,12520	R.YDYEECESEGANK.M	2202.012	0.00346	2	1	61.5	0
P12163_1_F4,12541	R.YDYEECESEGANK.M	2202.012	0.00653	3	1	49.4	0
P12163_1_F6,12050	R.YDYEECESEGANK.M	2202.012	0.00194	3	1	25.4	0
P12163_1_F9,11959	R.YDYEECESEGANK.M	2202.012	0.00593	3	1	43.3	0
P12163_1_S10,1279	R.YDYEECESEGANK.M	2202.012	0.00611	3	1	35.3	0
P12163_2_F9,11963	R.YDYEECESEGANK.M	2202.012	0.00581	3	1	57.7	0
P12163_2_S3,10831	R.YDYEECESEGANK.M	2202.012	0.00419	3	1	47.1	0

P12163_1_F4,17059	K.AQINATLNQYK.N	1872.08	0.0071	2	1	52.5	0
P12163_1_F5,15712	K.AQINATLNQYK.N	1872.08	0.0068	3	1	60	0
P12163_1_F7,14873	K.AQINATLNQYK.N	1872.08	0.00224	3	1	29.5	0
P12163_1_F9,15989	K.AQINATLNQYK.N	1872.08	0.00785	3	1	48.5	0
P12163_1_F9,16007	K.AQINATLNQYK.N	1872.08	0.00546	2	1	63.6	0
P12163_1_S10,15910	K.AQINATLNQYK.N	1872.08	0.01064	3	1	25.2	0
P12163_2_F1,16139	K.AQINATLNQYK.N	1872.08	0.00144	2	1	63.5	0
P12163_2_F1,16197	K.AQINATLNQYK.N	1872.08	0.0041	3	1	58.7	0
P12163_2_F2,16496	K.AQINATLNQYK.N	1872.08	0.00851	3	1	47.4	0
P12163_2_F2,16505	K.AQINATLNQYK.N	1872.08	0.00628	2	1	53.9	0
P12163_2_F8_12070	K.AQINATLNQYK.N	1872.08	0.0059	3	1	34.6	0
P12163_2_F9,15215	K.AQINATLNQYK.N	1872.08	0.00539	3	1	53	0
P12163_2_F9,14064	K.AYNDEDLIR.I	1412.732	0.00245	2	1	29.5	0
P12163_1_F4,9506	K.DTSGDYEK.M	1522.785	0.00877	2	1	41.4	0
P12163_1_F4,9522	K.DTSGDYEK.M	1522.785	0.01368	3	1	24.9	0
P12163_2_F4,7791	K.DTSGDYEK.M	1522.785	-0.00051	2	1	29.1	0
P12163_2_F8_12070	K.DTSGDYEK.M	1522.785	0.00611	2	1	38.9	0
P12163_1_F2,11360	K.ELTNDFER.V	1327.68	0.00423	3	1	24.2	0
P12163_1_F3,11645	K.ELTNDFER.V	1327.68	0.00474	3	1	24.7	0
P12163_1_F3,14856	K.ELTNDFER.V	1327.68	0.00512	2	1	23.9	0
P12163_1_S1,24637	K.LLLPLVTAYR.Y	1462.93	0.00158	3	1	32.3	0
P12163_1_S1,24812	K.LLLPLVTAYR.Y	1462.93	0.00278	3	1	50.5	0
P12163_1_S1,24824	K.LLLPLVTAYR.Y	1462.93	0.00393	2	1	27.2	0
P12163_1_S1,16496	K.NVYGNDIDQDLEADPI	2414.23	0.01215	3	1	32.8	0
P12163_1_F9,4704	K.QAYHAR.Y ! R.QAYH/	1049.579	0.00037	3	1	29.8	0
P12163_2_S3,5067	K.QAYHAR.Y ! R.QAYH/	1049.579	0.0001	3	1	22.2	0
P12163_1_F2,5742	K.QGTDEGALTR.V	1351.712	0.00447	4	1	27.6	0
P12163_1_F2,6715	K.QGTDEGALTR.V	1351.712	0.00361	3	1	38.5	0
P12163_1_F2,7385	K.QGTDEGALTR.V	1351.712	0.00373	3	1	40.5	0
P12163_1_F2,7502	K.QGTDEGALTR.V	1351.712	0.00518	2	1	31.8	0
P12163_1_F2,8654	K.QGTDEGALTR.V	1351.712	0.00588	2	1	28.1	0
P12163_1_S1,7195	K.QGTDEGALTR.V	1351.712	0.00325	3	1	46	0
P12163_1_S1,7815	K.QGTDEGALTR.V	1351.712	0.00505	3	1	39	0
P12163_2_F6,16556	K.SLDKELTNDFER.V	2075.123	0.004	2	1	32.5	0
P12163_1_F6,15523	K.SLEEDVGYHTNGDFR.	2042.972	0.00471	3	1	27.1	0
P12163_1_F7,11916	K.SLEEDVGYHTNGDFR.	2042.972	0.00414	3	1	36.7	0
P12163_1_F7,14630	K.SLEEDVGYHTNGDFR.	2042.972	-0.00125	2	1	34.2	0
P12163_1_F8,15307	K.SLEEDVGYHTNGDFR.	2042.972	0.00145	2	1	30	0
P12163_2_F6,14811	K.SLEEDVGYHTNGDFR.	2042.972	-0.00066	3	1	31.7	0
P12163_2_F9,14788	K.SLEEDVGYHTNGDFR.	2042.972	0.00321	3	1	23.9	0
P12163_1_F5,12202	R.AEVDLK.V	1282.783	0.01089	3	1	26.1	0
P12163_2_F1,12605	R.AEVDLK.V	1282.783	0.00426	3	1	27.6	0
P12163_2_S5,11418	R.AEVDLK.V	1282.783	0.00168	3	1	25.1	0
P12163_1_F4,15071	R.DAFLANEATK.R	1687.947	0.0084	3	1	41.4	0
P12163_1_F4,15148	R.DAFLANEATK.R	1687.947	0.00614	2	1	34	0
P12163_1_F4,16585	R.DAFLANEATK.R	1687.947	0.00678	3	1	28.2	0
P12163_1_F4,17072	R.DAFLANEATK.R	1687.947	0.01068	2	1	40.7	0
P12163_1_F5,15350	R.DAFLANEATK.R	1687.947	0.00178	2	1	44.1	0
P12163_1_F5,15407	R.DAFLANEATK.R	1687.947	0.00039	3	1	37.9	0
P12163_1_F7,14391	R.DAFLANEATK.R	1687.947	0.00885	3	1	33.9	0
P12163_1_F7,14663	R.DAFLANEATK.R	1687.947	-0.00078	2	1	43.3	0

P12163_1_F7,15179	R.DAFLANEATK.R	1687.947	0.00972	3	1	22	0
P12163_2_F1,13925	R.DAFLANEATK.R	1687.947	0.00306	3	1	30.3	0
P12163_2_F1,16133	R.DAFLANEATK.R	1687.947	0.00138	2	1	41	0
P12163_2_F1,16191	R.DAFLANEATK.R	1687.947	0.0018	3	1	23.7	0
P12163_2_F2,321	R.DAFLANEATK.R	1687.947	0.00276	3	1	37.7	0
P12163_2_F2,965	R.DAFLANEATK.R	1687.947	0.00369	3	1	38.6	0
P12163_2_F4,14069	R.DAFLANEATK.R	1687.947	-0.00246	2	1	33.1	0
P12163_2_F4,14307	R.DAFLANEATK.R	1687.947	-0.00574	2	1	34.1	0
P12163_2_F4,14336	R.DAFLANEATK.R	1687.947	0.00915	3	1	38.4	0
P12163_1_F2,23040	R.M*LLALIGHGDA.- ! K.	1430.798	0.0033	2	1	25.3	0
P12163_1_F2,25508	R.M*LLALIGHGDA.- ! K.	1430.798	0.00397	2	1	25.6	0
P12163_1_S1,22064	R.M*LLALIGHGDA.- ! K.	1430.798	0.00439	3	1	28.1	0
P12163_1_S1,25174	R.MLLALIGHGDA.- ! K.M	1414.803	0.00479	2	1	47.2	0
P12163_1_F3,18956	R.QTYADTYGEDLLK.S	2125.127	0.00876	3	1	67.7	0
P12163_1_F3,18957	R.QTYADTYGEDLLK.S	2125.127	0.00518	2	1	67.3	0
P12163_1_F3,19041	R.QTYADTYGEDLLK.S	2125.127	-0.04026	3	1	30.2	0
P12163_1_F9,18157	R.QTYADTYGEDLLK.S	2125.127	0.00837	3	1	44.9	0
P12163_2_F6,18017	R.QTYADTYGEDLLK.S	2125.127	0.00339	3	1	28	0
P12163_2_F8_12070	R.RNSVPLDR.A	1260.733	0.0014	3	1	39.7	0
P12163_1_F2,17663	R.YEGDEVNITLAK.S	1960.085	0.0049	2	1	26.3	0
P12163_1_F3,18168	R.YEGDEVNITLAK.S	1960.085	0.01248	3	1	37.2	0
P12163_1_F6,17354	R.YEGDEVNITLAK.S	1960.085	0.00447	3	1	27.4	0
P12163_1_F6,17393	R.YEGDEVNITLAK.S	1960.085	0.00056	2	1	45.3	0
P12163_1_F3,15808	K.ASFLSEYR.F	1276.684	0.003	3	1	31.9	0
P12163_1_F5,10131	K.EFGENAK.V	1402.779	0.00329	3	1	41.3	0
P12163_2_F2,10960	K.EFGENAK.V	1402.779	-0.00079	3	1	34.4	0
P12163_2_S5,10199	K.EFGENAK.V	1402.779	0.00296	3	1	22.8	0
P12163_1_F5,22536	K.IVIIPDHYIFTSDER.A	2122.149	0.00172	3	1	28.1	0
P12163_1_F6,20900	K.IVIIPDHYIFTSDER.A	2122.149	0.0055	3	1	34.1	0
P12163_1_F6,22118	K.IVIIPDHYIFTSDER.A	2122.149	0.00433	3	1	29.2	0
P12163_1_F6,22149	K.IVIIPDHYIFTSDER.A	2122.149	0.00555	2	1	36.7	0
P12163_1_F6,22343	K.IVIIPDHYIFTSDER.A	2122.149	-0.00605	3	1	22.5	0
P12163_1_F7,21427	K.IVIIPDHYIFTSDER.A	2122.149	-0.00047	3	1	31.8	0
P12163_1_S10,2039	K.IVIIPDHYIFTSDER.A	2122.149	-0.00056	4	1	24.8	0
P12163_1_S10,2049	K.IVIIPDHYIFTSDER.A	2122.149	0.00328	3	1	27.3	0
P12163_2_F10,1821	K.IVIIPDHYIFTSDER.A	2122.149	0.00541	3	1	40.3	0
P12163_2_F10,1888	K.IVIIPDHYIFTSDER.A	2122.149	0.00397	3	1	27.7	0
P12163_2_F10,1935	K.IVIIPDHYIFTSDER.A	2122.149	0.00301	3	1	34.6	0
P12163_2_F10,1939	K.IVIIPDHYIFTSDER.A	2122.149	0.00132	4	1	32.4	0
P12163_2_F10,1939	K.IVIIPDHYIFTSDER.A	2122.149	-0.00073	2	1	46.3	0
P12163_2_F10,1953	K.IVIIPDHYIFTSDER.A	2122.149	0.00322	3	1	48	0
P12163_2_F10,1970	K.IVIIPDHYIFTSDER.A	2122.149	0.00574	3	1	34.4	0
P12163_2_F4,20796	K.IVIIPDHYIFTSDER.A	2122.149	0.00313	3	1	31.8	0
P12163_2_F8_12070	K.IVIIPDHYIFTSDER.A	2122.149	-0.00038	3	1	39.6	0
P12163_2_S5,20488	K.IVIIPDHYIFTSDER.A	2122.149	0.00439	3	1	30.2	0
P12163_2_F4,13678	K.LEPLVAKPHSPDNR.A	2181.26	0.00435	4	1	23.3	0
P12163_1_F5,12861	K.NAMTLTEK.I	1515.866	0.00758	3	1	33.9	0
P12163_2_F1,13236	K.NAMTLTEK.I	1515.866	0.00058	2	1	28.5	0
P12163_2_F2,13677	K.NAMTLTEK.I	1515.866	0.01078	2	1	29	0
P12163_2_F2,13687	K.NAMTLTEK.I	1515.866	0.00839	3	1	28.3	0
P12163_1_F3,15129	K.NGVVPADGTTFK.Y	1814.027	0.00412	2	1	36.4	0

P12163_1_F3,15157	K.NGVVPADGTTFK.Y	1814.027	0.00215	3	1	42.1	0
P12163_1_F2,13788	K.SMEFVGTTVER.L	1559.804	-0.00165	3	1	37.3	0
P12163_1_S1,12793	K.SMEFVGTTVER.L	1559.804	0.00267	3	1	22.5	0
P12163_1_S1,13287	K.SMEFVGTTVER.L	1559.804	-0.00087	3	1	37.7	0
P12163_1_S1,13298	K.SMEFVGTTVER.L	1559.804	0.00282	3	1	36.6	0
P12163_1_F4,18913	K.TEDFLAAAK.V	1573.905	0.00894	2	1	33.7	0
P12163_1_F2,15003	K.TSLPYEPVYSDEK.A	2136.132	0.00836	3	1	23	0
P12163_1_F2,16794	K.TSLPYEPVYSDEK.A	2136.132	0.00291	2	1	53.4	0
P12163_1_F3,17317	K.TSLPYEPVYSDEK.A	2136.132	0.01007	3	1	49.8	0
P12163_2_F6,16367	K.TSLPYEPVYSDEK.A	2136.132	0.00455	2	1	44.3	0
P12163_2_F6,16376	K.TSLPYEPVYSDEK.A	2136.132	-0.00595	3	1	39.6	0
P12163_1_F5,16431	K.VFLASGK.K	1329.835	0.00566	3	1	23.1	0
P12163_2_F2,17222	K.VFLASGK.K	1329.835	0.00521	3	1	33.8	0
P12163_2_S5,15125	K.VFLASGK.K	1329.835	-0.00826	3	1	22	0
P12163_1_F3,21035	K.VPTFLVPATQK.V	1809.109	0.00345	3	1	40.1	0
P12163_1_F3,21086	K.VPTFLVPATQK.V	1809.109	0.00659	2	1	38.8	0
P12163_1_F4,13829	R.DFCM*EQNIK.Y	1808.913	-0.00212	2	1	31.6	0
P12163_1_F4,16782	R.DFCM*EQNIK.Y	1808.913	0.00828	2	1	28	0
P12163_1_F4,16814	R.DFCM*EQNIK.Y	1808.913	0.01046	3	1	31.6	0
P12163_1_F5,12513	R.DFCM*EQNIK.Y	1808.913	0.00278	2	1	47.3	0
P12163_1_F4,16779	R.DFCMEQNIK.Y	1792.918	0.00845	3	1	34.1	0
P12163_1_F4,16789	R.DFCMEQNIK.Y	1792.918	0.00648	2	1	27.2	0
P12163_1_F5,15468	R.DFCMEQNIK.Y	1792.918	0.00796	2	1	42.9	0
P12163_2_F1,15848	R.DFCMEQNIK.Y	1792.918	0.004	2	1	55.7	0
P12163_1_S1,21721	R.FVLDGEM*PDYLLAK.	2235.219	0.00612	2	1	36.9	0
P12163_1_S1,21752	R.FVLDGEM*PDYLLAK.	2235.219	0.00763	3	1	54.8	0
P12163_1_S1,23770	R.FVLDGEMPDYLLAK.D	2219.224	0.00467	3	1	27.9	0
P12163_1_S1,12134	R.M*NEPMVCVSTTNR.N	1858.876	0.0025	2	1	24.1	0
P12163_1_S1,12339	R.MNEPM*VCVSTTNR.N	1858.876	0.00366	3	1	40.5	0
P12163_1_S1,13057	R.MNEPMVCVSTTNR.N	1842.881	-0.00288	3	1	34.7	0
P12163_1_S1,14362	R.MNEPMVCVSTTNR.N	1842.881	0.00666	2	1	37	0
P12163_1_F3,16884	R.MTLCNM*VVEAGGK.I	2034.064	0.00352	3	1	35	0
P12163_1_F3,20511	R.MTLCNMVVEAGGK.N	2018.069	0.01378	3	1	46.5	0
P12163_1_F4,21200	R.MTLCNMVVEAGGK.N	2018.069	0.00928	3	1	43.1	0
P12163_1_F4,14346	R.VYIGSCTGGK.T	1649.914	0.01945	2	1	28.3	0
P12163_1_F4,14403	R.VYIGSCTGGK.T	1649.914	0.01542	3	1	37	0
P12163_1_F5,12908	R.VYIGSCTGGK.T	1649.914	0.00907	2	1	37.2	0
P12163_1_F5,12927	R.VYIGSCTGGK.T	1649.914	0.0066	3	1	33.6	0
P12163_1_F9,13767	R.VYIGSCTGGK.T	1649.914	0.00891	2	1	35.1	0
P12163_1_S10,1373	R.VYIGSCTGGK.T	1649.914	0.00954	3	1	34	0
P12163_2_F1,13324	R.VYIGSCTGGK.T	1649.914	0.00515	2	1	30.1	0
P12163_2_F10,1281	R.VYIGSCTGGK.T	1649.914	0.00591	3	1	23.6	0
P12163_2_F8,12070	R.VYIGSCTGGK.T	1649.914	0.00951	3	1	22.1	0
P12163_2_S5,12379	R.VYIGSCTGGK.T	1649.914	-0.00342	3	1	32.6	0
P12163_1_F4,16290	K.AEVVSLDEK.E	1597.926	0.00563	2	1	25.6	0
P12163_1_F4,16459	K.AEVVSLDEK.E	1597.926	0.00677	3	1	42.1	0
P12163_1_F7,14078	K.AEVVSLDEK.E	1597.926	0.00386	3	1	22.2	0
P12163_1_F7,14082	K.AEVVSLDEK.E	1597.926	0.00937	2	1	33.3	0
P12163_1_F7,14348	K.AEVVSLDEK.E	1597.926	0.00475	2	1	29.9	0
P12163_1_F7,14393	K.AEVVSLDEK.E	1597.926	0.00365	3	1	31.6	0
P12163_2_F1,15459	K.AEVVSLDEK.E	1597.926	0.00703	2	1	32.6	0

P12163_2_F1,15564	K.AEVVSLDEK.E	1597.926	0.0059	3	1	38.7	0
P12163_2_F4,13728	K.AEVVSLDEK.E	1597.926	-0.00076	3	1	32.6	0
P12163_2_F4,14051	K.AEVVSLDEK.E	1597.926	0.00047	2	1	35.8	0
P12163_1_F3,22462	K.ALDDTLYAFCK.S	1925.03	0.00638	2	1	70.8	0
P12163_1_F3,22482	K.ALDDTLYAFCK.S	1925.03	0.00578	3	1	52.8	0
P12163_1_F6,21257	K.ALDDTLYAFCK.S	1925.03	0.00254	3	1	35.4	0
P12163_2_F7,19310	K.ALDDTLYAFCK.S	1925.03	0.00932	3	1	41.5	0
P12163_2_F7,19311	K.ALDDTLYAFCK.S	1925.03	0.00112	2	1	53.3	0
P12163_1_S1,16537	K.GPLGNCVFTGDYDR.K	1874.901	0.00233	3	1	42	0
P12163_2_F6,16453	K.GPLGNCVFTGDYDR.K	1874.901	0.00287	3	1	24.4	0
P12163_2_F6,17742	K.GPLGNCVFTGDYDR.K	1874.901	0.00026	2	1	60.1	0
P12163_1_F8,20781	K.KVLVVTNNTVAPLYL	2799.711	0.00785	3	1	62.8	0
P12163_1_F4,15188	K.SIMAVDK.K	1371.813	0.00313	2	1	32.2	0
P12163_1_F5,13787	K.SIMAVDK.K	1371.813	0.00333	3	1	26	0
P12163_1_F5,13798	K.SIMAVDK.K	1371.813	0.00671	2	1	32.4	0
P12163_2_F1,14120	K.SIMAVDK.K	1371.813	0.00617	2	1	32.2	0
P12163_2_F1,14124	K.SIMAVDK.K	1371.813	0.0054	3	1	33.1	0
P12163_1_F8,5283	K.TGINHR.L	1001.579	0.00116	3	1	23.2	0
P12163_1_S10,5756	K.TGINHR.L	1001.579	0.00116	3	1	27	0
P12163_1_S10,6599	K.TGINHR.L	1001.579	0.00218	3	1	34	0
P12163_2_F10,6008	K.TGINHR.L	1001.579	0.00272	3	1	29.7	0
P12163_2_F8_12070	K.TGINHR.L	1001.579	0.00305	3	1	26.7	0
P12163_1_S1,13892	K.VADGLLR.L	1047.646	0.00206	2	1	26.9	0
P12163_1_S1,19362	K.VLVVTNNTVAPLYLD	2367.411	0.0044	4	1	33.6	0
P12163_1_S1,19394	K.VLVVTNNTVAPLYLD	2367.411	0.00939	3	1	35.3	0
P12163_1_S1,21698	K.VLVVTNNTVAPLYLD	2367.411	0.007	4	1	34.6	0
P12163_1_F2,9776	K.VTDALTR.G	1079.636	0.00588	3	1	24.7	0
P12163_1_F2,11496	K.VTDALTR.G	1079.636	0.00171	3	1	23.3	0
P12163_1_F3,11994	K.VTDALTR.G	1079.636	0.00342	3	1	35.2	0
P12163_2_F6,19075	R.DAEFFFEWQEONM*HK	2463.186	0.00731	3	1	24.7	0
P12163_1_F8,19446	R.DAEFFFEWQEONMHK.I	2447.191	0.00683	3	1	58.1	0
P12163_2_F6,19052	R.DAEFFFEWQEONMHK.I	2447.191	0.00455	3	1	43.4	0
P12163_1_F2,18890	R.DPSAFAYA.IK.R	1690.962	0.00113	3	1	43.8	0
P12163_1_F3,19557	R.DPSAFAYA.IK.R	1690.962	0.00431	3	1	25	0
P12163_1_F3,21807	R.ELASGLAEVIK.Y	1738.057	0.00541	3	1	44.9	0
P12163_1_F3,21826	R.ELASGLAEVIK.Y	1738.057	0.00252	2	1	52.7	0
P12163_1_F3,22021	R.ELASGLAEVIK.Y	1738.057	0.01039	3	1	52.3	0
P12163_1_F3,22061	R.ELASGLAEVIK.Y	1738.057	0.01122	2	1	72.3	0
P12163_1_F4,22565	R.ELASGLAEVIK.Y	1738.057	0.00487	3	1	31.1	0
P12163_1_F4,22580	R.ELASGLAEVIK.Y	1738.057	0.00638	2	1	29	0
P12163_2_F1,22088	R.ELASGLAEVIK.Y	1738.057	0.00619	3	1	37.4	0
P12163_2_F4,19790	R.ELASGLAEVIK.Y	1738.057	0.00187	3	1	28.3	0
P12163_1_F2,19417	R.GNPNVSVENVILPDGE	2666.425	0.00244	3	1	50	0
P12163_1_F8,19604	R.GNPNVSVENVILPDGE	2666.425	0.0064	3	1	39.7	0
P12163_1_S1,18339	R.GNPNVSVENVILPDGE	2666.425	0.00259	3	1	54.3	0
P12163_1_S1,18379	R.GNPNVSVENVILPDGE	2666.425	0.00736	4	1	57	0
P12163_1_S1,18538	R.GNPNVSVENVILPDGE	2666.425	0.0083	2	1	44.7	0
P12163_1_S1,18658	R.GNPNVSVENVILPDGE	2666.425	0.01096	3	1	50.1	0
P12163_1_F3,23897	R.LGWIDDSIVK.R	1754.031	0.0057	2	1	40	0
P12163_1_F4,24649	R.LGWIDDSIVK.R	1754.031	0.00366	2	1	48.2	0
P12163_1_F4,24654	R.LGWIDDSIVK.R	1754.031	0.00305	3	1	40.9	0

P12163_1_F6,23228	R.SYPIYIGSGLLDHPDLL	2737.538	0.00006	3	1	53.7	0
P12163_1_F9,14256	R.VHNILQQAK.L	1659.016	0.00541	3	1	52	0
P12163_1_F9,14267	R.VHNILQQAK.L	1659.016	0.00557	2	1	37.7	0
P12163_1_S10,1442	R.VHNILQQAK.L	1659.016	0.00856	3	1	30.1	0
P12163_2_F9,13424	R.VHNILQQAK.L	1659.016	0.00975	2	1	37	0
P12163_2_F9,13430	R.VHNILQQAK.L	1659.016	0.00502	3	1	56.6	0
P12163_2_F1,13282	K.AEEIYEK.T	1489.836	0.00142	2	1	25.3	0
P12163_2_F1,13294	K.AEEIYEK.T	1489.836	0.00012	3	1	22.4	0
P12163_2_F8_12070	K.AEEIYEK.T	1489.836	0.00998	2	1	26	0
P12163_2_F8_12070	K.AEEIYEK.T	1489.836	0.00576	3	1	32.5	0
P12163_1_F8,16970	K.DIIMVDHMK.K	1709.954	0.00509	3	1	38.2	0
P12163_1_F8,16985	K.DIIMVDHMK.K	1709.954	0.01026	2	1	34.5	0
P12163_2_F6,16375	K.DIIMVDHMK.K	1709.954	-0.00475	3	1	38.5	0
P12163_1_S1,13641	K.DLSQADFGR.L	1312.68	0.00293	3	1	45.9	0
P12163_1_F7,16047	K.EQADYISVSADGPYKF	2917.53	0.00653	4	1	27.8	0
P12163_1_F7,16074	K.EQADYISVSADGPYKF	2917.53	-0.00317	3	1	27.6	0
P12163_2_F10,1531	K.EQADYISVSADGPYKF	2917.53	0.00856	3	1	39.8	0
P12163_2_F10,1536	K.EQADYISVSADGPYKF	2917.53	0.00593	4	1	38.4	0
P12163_2_F4,15681	K.EQADYISVSADGPYKF	2917.53	0.00547	3	1	45	0
P12163_2_S3,14677	K.EQADYISVSADGPYKF	2917.53	0.00745	4	1	31.2	0
P12163_2_S5,15731	K.EQADYISVSADGPYKF	2917.53	0.00305	4	1	37.4	0
P12163_1_F5,9904	K.GCAAALK.Q	1298.771	0.00826	2	1	26.6	0
P12163_2_F2,10728	K.GCAAALK.Q	1298.771	0.00892	3	1	24.4	0
P12163_1_F4,22451	K.GETLQEYWWCTEK.A	2338.163	0.00679	3	1	40.4	0
P12163_2_F1,21919	K.GETLQEYWWCTEK.A	2338.163	0.00631	3	1	34.9	0
P12163_2_F9,19866	K.GETLQEYWWCTEK.A	2338.163	0.01072	3	1	29	0
P12163_1_F9,16314	K.VAALHLGK.L	1416.915	0.00781	2	1	38.1	0
P12163_1_F9,16998	K.VAALHLGK.L	1416.915	0.00739	2	1	30	0
P12163_1_F9,17241	K.VAALHLGK.L	1416.915	0.00577	3	1	25.6	0
P12163_2_F7,14734	K.VAALHLGK.L	1416.915	0.00202	3	1	28.7	0
P12163_2_F9,15051	K.VAALHLGK.L	1416.915	0.00483	2	1	26.1	0
P12163_2_F9,15241	K.VAALHLGK.L	1416.915	0.00526	3	1	33.4	0
P12163_1_F3,17422	K.VAVVCGYGDVGK.G	1832.02	0.00582	3	1	60.8	0
P12163_1_F3,17453	K.VAVVCGYGDVGK.G	1832.02	0.00481	2	1	63.7	0
P12163_1_F9,16876	K.VAVVCGYGDVGK.G	1832.02	0.00111	2	1	28.4	0
P12163_1_F4,18320	K.VYVLPK.H	1326.861	0.00258	3	1	27.3	0
P12163_1_F4,17121	R.AEFGPSQPFK.G	1715.958	0.00664	3	1	39.3	0
P12163_1_F5,15878	R.AEFGPSQPFK.G	1715.958	0.01101	2	1	26	0
P12163_2_F1,16256	R.AEFGPSQPFK.G	1715.958	0.00435	2	1	32.2	0
P12163_2_F2,199	R.AEFGPSQPFK.G	1715.958	0.01318	3	1	31.2	0
P12163_1_F4,15595	R.ATDVMIAGK.V	1513.887	0.00593	2	1	45.3	0
P12163_2_F1,14630	R.ATDVMIAGK.V	1513.887	0.00887	2	1	47	0
P12163_2_F1,14658	R.ATDVMIAGK.V	1513.887	0.00518	3	1	29.7	0
P12163_2_F4,13552	R.ATDVMIAGK.V	1513.887	-0.0006	3	1	22.4	0
P12163_1_F5,19044	R.DSASVFAWK.G	1618.905	0.00715	2	1	49.4	0
P12163_1_F5,19059	R.DSASVFAWK.G	1618.905	0.00606	3	1	40.2	0
P12163_2_F1,19133	R.DSASVFAWK.G	1618.905	0.00805	2	1	38.6	0
P12163_2_F1,19160	R.DSASVFAWK.G	1618.905	0.00876	3	1	37.1	0
P12163_2_F1,19334	R.DSASVFAWK.G	1618.905	0.00527	2	1	44.9	0
P12163_1_F9,14026	R.HSLPDGLM*R.A	1345.72	0.00225	3	1	28.3	0
P12163_2_F7,12563	R.HSLPDGLM*R.A	1345.72	0.00288	3	1	26.2	0

P12163_2_F9,13075 R.HSLPDGLM*R.A	1345.72	0.00291	3	1	23.6	0
P12163_1_F9,13967 R.HSLPDGLMR.A	1329.725	0.00228	3	1	37.5	0
P12163_2_F9,13045 R.HSLPDGLMR.A	1329.725	0.00243	3	1	35.7	0
P12163_1_F9,12564 R.ITIKPQTDR.W	1680.026	0.00707	2	1	32.2	0
P12163_1_F3,15293 R.LVGVSEETTTGVK.R	1928.116	0.00705	3	1	36.7	0
P12163_1_F3,15653 R.LVGVSEETTTGVK.R	1928.116	0.00414	2	1	29	0
P12163_1_F3,16975 R.LVGVSEETTTGVK.R	1928.116	0.00468	2	1	60.2	0
P12163_1_F3,17113 R.LVGVSEETTTGVK.R	1928.116	0.00432	3	1	45.1	0
P12163_1_F7,18439 R.WCSCNIFSTQDHAAA/	2483.186	0.00483	3	1	66.4	0
P12163_1_F4,18795 K.EVMSVITK.I	1514.907	0.00433	2	1	33	0
P12163_2_F1,17980 K.EVMSVITK.I	1514.907	0.00757	3	1	39.4	0
P12163_1_F8,18700 K.KYAFVDVSPEETLQK.S	2666.517	0.00546	3	1	35.8	0
P12163_1_F9,15228 K.LM*LQNPEYR.K	1483.788	0.00271	2	1	27.2	0
P12163_1_F3,15616 K.LMEDPQVQK.M	1695.956	0.00445	2	1	34.9	0
P12163_1_F3,15645 K.LMEDPQVQK.M	1695.956	0.0048	3	1	22	0
P12163_1_F4,15951 K.LMEDPQVQK.M	1695.956	-0.00411	2	1	26.4	0
P12163_1_F3,17436 K.LMLQNPEYR.K	1467.793	0.00129	2	1	26.6	0
P12163_1_F9,16923 K.LMLQNPEYR.K	1467.793	0.00309	2	1	27.9	0
P12163_2_F1,17017 K.LMLQNPEYR.K	1467.793	0.00413	2	1	26.1	0
P12163_2_F9,15971 K.LMLQNPEYR.K	1467.793	0.00325	2	1	28.2	0
P12163_1_S1,19003 K.M*MANPEIALGFQSPR	1982.014	0.00101	3	1	46	0
P12163_1_S1,19552 K.MMANPEIALGFQSPR.	1966.019	0.00107	3	1	39.2	0
P12163_1_S1,21068 K.MMANPEIALGFQSPR.	1966.019	0.0056	3	1	37.3	0
P12163_1_S1,18914 K.MVYPSLPEEMR.N	1655.844	0.00651	2	1	27.9	0
P12163_1_F5,15584 K.NFDLNSAEVK.Q	1744.969	0.00295	2	1	39.9	0
P12163_2_F1,16093 K.NFDLNSAEVK.Q	1744.969	0.00404	3	1	43.6	0
P12163_2_F1,16137 K.NFDLNSAEVK.Q	1744.969	0.00515	2	1	47	0
P12163_1_F2,21151 K.QQFEQIGLTPEEVITK.I	2468.386	0.00603	3	1	57.6	0
P12163_1_S1,17805 K.QQFEQIGLTPEEVITK.I	2468.386	0.00023	3	1	42.7	0
P12163_1_S1,17811 K.QQFEQIGLTPEEVITK.I	2468.386	0.0003	4	1	27.3	0
P12163_1_S1,19940 K.QQFEQIGLTPEEVITK.I	2468.386	0.00513	3	1	58.7	0
P12163_1_S1,19973 K.QQFEQIGLTPEEVITK.I	2468.386	0.00554	4	1	45.8	0
P12163_1_S1,20024 K.QQFEQIGLTPEEVITK.I	2468.386	0.00165	2	1	64.7	0
P12163_1_F5,14809 K.QYAMQQALK.G	1688.961	0.00493	2	1	40.5	0
P12163_2_F2,15616 K.QYAMQQALK.G	1688.961	0.00165	2	1	49.6	0
P12163_2_F2,15625 K.QYAMQQALK.G	1688.961	0.00458	3	1	39.3	0
P12163_1_F4,17757 K.SSFDNFEDVK.E	1795.932	0.00855	2	1	38.6	0
P12163_1_F4,17762 K.SSFDNFEDVK.E	1795.932	0.00982	3	1	40.6	0
P12163_2_F1,16929 K.SSFDNFEDVK.E	1795.932	0.00983	2	1	37.6	0
P12163_2_F1,16968 K.SSFDNFEDVK.E	1795.932	0.00563	3	1	50.2	0
P12163_1_F2,13509 K.VEAATATDVEGK.K	1799.001	0.00607	2	1	52.3	0
P12163_1_F2,13573 K.VEAATATDVEGK.K	1799.001	0.00692	3	1	51.2	0
P12163_1_F3,13950 K.VEAATATDVEGK.K	1799.001	0.00735	2	1	65	0
P12163_1_S1,19316 K.YAFVDVSPEETLQK.S	2234.216	0.00579	4	1	44.1	0
P12163_1_S1,19398 K.YAFVDVSPEETLQK.S	2234.216	0.00258	2	1	45	0
P12163_1_S1,19457 K.YAFVDVSPEETLQK.S	2234.216	0.00445	3	1	42	0
P12163_2_F6,19991 K.YAFVDVSPEETLQK.S	2234.216	0.00568	2	1	55.5	0
P12163_1_F3,21268 R.FLTVDTLEK.L	1673.993	0.00919	2	1	44.7	0
P12163_1_F3,21276 R.FLTVDTLEK.L	1673.993	0.00141	3	1	30.5	0
P12163_1_F3,21470 R.FLTVDTLEK.L	1673.993	0.00681	2	1	42.3	0
P12163_1_F3,21479 R.FLTVDTLEK.L	1673.993	0.00528	3	1	22.1	0

P12163_1_F4,22084	R.FLTVDTLEK.L	1673.993	0.00343	2	1	36.9	0
P12163_1_F4,22278	R.FLTVDTLEK.L	1673.993	0.0048	3	1	45.1	0
P12163_1_F4,22340	R.FLTVDTLEK.L	1673.993	0.00487	2	1	49	0
P12163_1_F6,20450	R.FLTVDTLEK.L	1673.993	0.00237	3	1	42.9	0
P12163_2_F1,21760	R.FLTVDTLEK.L	1673.993	0.00144	3	1	29.4	0
P12163_2_F1,21832	R.FLTVDTLEK.L	1673.993	0.00047	2	1	36.4	0
P12163_1_F3,17515	R.FTMDIPATK.V	1631.929	0.00428	3	1	22.1	0
P12163_2_F2,12200	R.NPASFK.L	1271.757	0.0047	3	1	24.1	0
P12163_1_F3,23068	R.VQAAIMECSQNPM*NI	2571.355	0.00538	3	1	57.5	0
P12163_1_F3,23036	R.VQAAIMECSQNPMNII	2555.36	0.0065	3	1	61.7	0
P12163_1_F3,23066	R.VQAAIMECSQNPMNII	2555.36	0.00716	4	1	39.4	0
P12163_2_F7,15366	K.AHGGFSVFAGVGER.T	1694.892	-0.00323	3	1	37.2	0
P12163_1_S1,13712	K.CALVYGQM*NEPPGA	1982.973	-0.00515	3	1	22.2	0
P12163_1_S1,15840	K.CALVYGQMNEPPGAR	1966.978	0.00477	2	1	33.9	0
P12163_1_S1,16076	K.CALVYGQMNEPPGAR	1966.978	0.00472	3	1	60	0
P12163_1_S1,16110	K.CALVYGQMNEPPGAR	1966.978	-0.00307	2	1	32	0
P12163_1_F3,21080	K.ESIASFQGVLDGK.Y	1959.101	0.0045	3	1	39.5	0
P12163_1_F3,21100	K.ESIASFQGVLDGK.Y	1959.101	0.00709	2	1	45.3	0
P12163_1_F3,21265	K.ESIASFQGVLDGK.Y	1959.101	0.00258	3	1	41.9	0
P12163_1_F4,21648	K.IGLFGGAGVGK.T	1583.973	0.01162	3	1	29.2	0
P12163_1_F7,19404	K.IGLFGGAGVGK.T	1583.973	0.00832	3	1	27.6	0
P12163_2_F4,18381	K.IGLFGGAGVGK.T	1583.973	-0.00962	3	1	26.9	0
P12163_2_F1,16427	K.ITDEFTGK.G	1518.862	0.00962	2	1	24.4	0
P12163_1_F4,12567	K.TEHYLPIHR.E	1469.817	0.00535	4	1	27.4	0
P12163_1_F6,12091	K.TEHYLPIHR.E	1469.817	0.00367	4	1	23.7	0
P12163_1_F6,12153	K.TEHYLPIHR.E	1469.817	0.00466	2	1	26.6	0
P12163_2_F6,11659	K.TEHYLPIHR.E	1469.817	0.00391	4	1	27.4	0
P12163_2_F6,11664	K.TEHYLPIHR.E	1469.817	0.0022	3	1	33.3	0
P12163_2_S3,10840	K.TEHYLPIHR.E	1469.817	0.00268	3	1	22.1	0
P12163_1_F8,22905	K.VVDLLAPYQR.G	1477.868	-0.0006	2	1	30.5	0
P12163_1_S1,22115	K.VVDLLAPYQR.G	1477.868	0.0026	3	1	62.9	0
P12163_1_S1,22158	K.VVDLLAPYQR.G	1477.868	0.00452	2	1	29.9	0
P12163_1_S10,1088	R.EGNDLYR.E	1170.606	0.0063	2	1	24	0
P12163_1_F4,14920	R.EM*IESGVIK.L	1629.934	0.0052	3	1	23.2	0
P12163_1_F4,17324	R.EMIESGVIK.L	1613.939	0.00844	3	1	42.5	0
P12163_2_F1,16469	R.EMIESGVIK.L	1613.939	0.00376	3	1	28.8	0
P12163_2_F1,16511	R.EMIESGVIK.L	1613.939	0.00374	2	1	34.2	0
P12163_1_S1,22057	R.FTQANSEVSALLGR.I	1796.981	0.00212	3	1	98.5	0
P12163_1_F2,22065	R.IM*NVIGEPIDEK.G	1982.109	0.0039	3	1	40.6	0
P12163_1_F3,22769	R.IMNVIGEPIDEK.G	1966.114	0.0093	3	1	41	0
P12163_1_F7,20934	R.IPSAVGYQPTLATDLG	2490.351	0.00266	3	1	34.7	0
P12163_1_F7,18583	R.LVLEVAQHM*GEGVV	1957.084	-0.00353	2	1	27.5	0
P12163_1_F7,18641	R.LVLEVAQHM*GEGVV	1957.084	0.00213	3	1	61.5	0
P12163_1_F7,22990	R.LVLEVAQHM*GEGVV	1957.084	0.00401	2	1	30.9	0
P12163_1_F7,23002	R.LVLEVAQHM*GEGVV	1957.084	0.00288	3	1	55.4	0
P12163_2_S5,17931	R.LVLEVAQHM*GEGVV	1957.084	0.0012	3	1	51.9	0
P12163_1_F7,22995	R.LVLEVAQHMGEVVR	1941.089	0.0009	3	1	58.2	0
P12163_1_F7,23127	R.LVLEVAQHMGEVVR	1941.089	0.00245	2	1	56.9	0
P12163_1_F7,23170	R.LVLEVAQHMGEVVR	1941.089	0.0069	3	1	71.5	0
P12163_1_F8,23934	R.LVLEVAQHMGEVVR	1941.089	0.00243	3	1	26.3	0
P12163_2_S5,21890	R.LVLEVAQHMGEVVR	1941.089	0.00201	3	1	43.9	0

P12163_2_S5,22038	R.LVLEVAQHMGEVVR	1941.089	0.00159	3	1	59.6	0
P12163_2_S5,22189	R.LVLEVAQHMGEVVR	1941.089	0.00219	3	1	62.6	0
P12163_1_F7,21606	R.QISELGIYPAVDPLDST	2365.255	0.00571	2	1	59.2	0
P12163_1_S1,10942	R.TIAM*DGTEGLVR.G	1582.841	-0.00046	3	1	39.2	0
P12163_1_S1,13681	R.TIAMDGTEGLVR.G	1566.846	0.00332	3	1	51.1	0
P12163_1_S1,16291	R.TIAMDGTEGLVR.G	1566.846	0.00702	2	1	39.8	0
P12163_1_F8,20643	R.VGLTGLTVAEHFR.D	1703.975	0.00308	3	1	56	0
P12163_2_F6,20228	R.VGLTGLTVAEHFR.D	1703.975	0.00134	3	1	59.6	0
P12163_2_F6,20235	R.VGLTGLTVAEHFR.D	1703.975	0.00151	2	1	54.2	0
P12163_1_S1,13174	K.DESFGDFTNR.M	1491.702	0.00394	3	1	32.6	0
P12163_1_S1,15491	K.DESFGDFTNR.M	1491.702	0.00034	3	1	46	0
P12163_1_F4,20847	K.EDILYAVK.A	1558.93	0.00422	2	1	36.6	0
P12163_1_F4,20965	K.EDILYAVK.A	1558.93	0.00572	3	1	32.9	0
P12163_2_F1,20352	K.EDILYAVK.A	1558.93	0.00044	3	1	26.8	0
P12163_1_F3,17511	K.ETYEAVDELAK.L	1876.016	0.00478	2	1	52	0
P12163_1_F4,19828	K.IQELVEK.E ! K.LQELV	1466.904	0.00352	2	1	27.1	0
P12163_1_F4,19883	K.IQELVEK.E ! K.LQELV	1466.904	0.00469	3	1	26.3	0
P12163_1_F5,19012	K.IQELVEK.E ! K.LQELV	1466.904	0.0048	2	1	25.3	0
P12163_2_F1,19134	K.IQELVEK.E ! K.LQELV	1466.904	0.00056	2	1	35	0
P12163_2_F1,19179	K.IQELVEK.E ! K.LQELV	1466.904	0.00454	3	1	25	0
P12163_2_F1,19325	K.IQELVEK.E ! K.LQELV	1466.904	0.00378	2	1	30.4	0
P12163_2_F1,19542	K.IQELVEK.E ! K.LQELV	1466.904	0.00508	2	1	35.8	0
P12163_1_F8,21263	K.LFADKETYEAVDLAI	2754.533	0.00751	3	1	29.9	0
P12163_1_F8,16477	K.NAHQLAIEVIR.N	1567.922	-0.00158	3	1	31.5	0
P12163_2_F6,15893	K.NAHQLAIEVIR.N	1567.922	0.00091	3	1	36	0
P12163_2_F6,15914	K.NAHQLAIEVIR.N	1567.922	0.00379	2	1	49.2	0
P12163_2_F6,16145	K.NAHQLAIEVIR.N	1567.922	0.00199	3	1	39.4	0
P12163_2_F7,14620	K.NAHQLAIEVIR.N	1567.922	0.00091	3	1	29.7	0
P12163_1_F8,23431	K.RPITTALAQAAGLLPR.	1995.238	0.0013	3	1	25.9	0
P12163_2_F4,16440	K.SHLGWHEQGDGGLFC	2852.359	-0.00068	4	1	34.5	0
P12163_2_F1,22842	K.YLISSWGIEK.F	1804.046	0.00314	2	1	38.4	0
P12163_2_F9,20107	K.YLISSWGIEK.F	1804.046	0.01159	3	1	31.2	0
P12163_1_F4,19923	R.GIPDILK.R	1363.877	0.00847	3	1	22.8	0
P12163_1_F4,20064	R.GIPDILK.R	1363.877	0.00685	2	1	31.7	0
P12163_1_S1,19595	R.ITPNQNIILCDIR.K	1874.047	-0.00287	2	1	37.3	0
P12163_1_S1,19601	R.ITPNQNIILCDIR.K	1874.047	0.00259	3	1	54	0
P12163_2_F1,18179	R.LGEQLGYVPK.E	1712.02	0.00496	2	1	37	0
P12163_2_F9,16293	R.LGEQLGYVPK.E	1712.02	0.00355	3	1	46.4	0
P12163_1_F6,20506	R.NDNSHGTFNFPDSPEPI	3007.449	0.00688	3	1	24.1	0
P12163_1_S1,16636	R.NVLAPPAPLVR.K	1450.905	0.00765	2	1	31.6	0
P12163_1_S1,16661	R.NVLAPPAPLVR.K	1450.905	-0.00248	3	1	26.3	0
P12163_1_S1,16667	R.NVLAPPAPLVR.K	1450.905	0.004	3	1	24.2	0
P12163_1_F5,19756	R.QLPEWEFK.S	1684.952	0.00524	3	1	23.3	0
P12163_1_F4,16017	R.SVVEQYYGK.K	1680.942	0.00911	3	1	29.9	0
P12163_1_F9,15046	R.SVVEQYYGK.K	1680.942	0.00622	2	1	40.8	0
P12163_2_F1,15094	R.SVVEQYYGK.K	1680.942	0.00695	3	1	31.4	0
P12163_2_F9,14501	R.SVVEQYYGK.K	1680.942	0.00848	3	1	27.8	0
P12163_2_F9,14529	R.SVVEQYYGK.K	1680.942	0.0058	2	1	39.5	0
P12163_1_F3,7839	K.DPVTFR.F ! K.DPVTFR	988.5729	0.00558	3	1	25	0
P12163_1_S10,1755	K.DYNIYFK.G	1570.873	0.00765	2	1	26.7	0
P12163_2_F8_12070	K.DYNIYFK.G	1570.873	0.00801	2	1	25.8	0

P12163_1_F4,18555	K.ENTLTPEYFK.G	1850.016	-0.00198	2	1	38.7	0
P12163_1_F4,18569	K.ENTLTPEYFK.G	1850.016	0.00674	3	1	34.5	0
P12163_1_F9,17203	K.ENTLTPEYFK.G	1850.016	0.00418	2	1	35.3	0
P12163_2_F1,17778	K.ENTLTPEYFK.G	1850.016	0.00502	2	1	56.2	0
P12163_2_F1,17807	K.ENTLTPEYFK.G	1850.016	0.00647	3	1	41.1	0
P12163_2_F9,16399	K.ENTLTPEYFK.G	1850.016	-0.00361	3	1	33.7	0
P12163_1_F4,21076	K.FFEPEIK.G	1517.882	0.00807	2	1	32.6	0
P12163_1_F5,20015	K.FFEPEIK.G	1517.882	0.01011	2	1	31.1	0
P12163_2_F1,20498	K.FFEPEIK.G	1517.882	0.00673	2	1	31.1	0
P12163_1_F3,25952	K.FVEFLVEK.L	1618.966	-0.00164	3	1	30.3	0
P12163_2_F6,19451	K.GDSPEMVEYLGMR.N	1787.861	0.00489	2	1	29.7	0
P12163_2_F2,10484	K.GSVGLQNGK.L	1467.874	0.00014	2	1	36.7	0
P12163_2_F2,10518	K.GSVGLQNGK.L	1467.874	0.00719	3	1	37.8	0
P12163_1_F2,14614	K.GVVSTANNGGFTSIR.1	1783.96	0.00454	3	1	44.2	0
P12163_1_F2,15487	K.GVVSTANNGGFTSIR.1	1783.96	0.00386	2	1	60.8	0
P12163_1_S1,14951	K.GVVSTANNGGFTSIR.1	1783.96	0.00133	3	1	61.3	0
P12163_1_F4,23420	K.LLFGFEENSLK.E	1905.094	0.00589	3	1	35.7	0
P12163_1_F4,25972	K.LLFGFEENSLK.E	1905.094	0.00766	3	1	47.5	0
P12163_2_F1,25153	K.LLFGFEENSLK.E	1905.094	0.00979	3	1	24.6	0
P12163_1_F3,23871	K.VINAVSVIVGPK.E	1804.152	0.00281	3	1	52.7	0
P12163_1_F3,23885	K.VINAVSVIVGPK.E	1804.152	0.00764	2	1	50.7	0
P12163_1_F5,23119	K.VINAVSVIVGPK.E	1804.152	0.00119	3	1	22.9	0
P12163_1_F2,23637	R.ICVAALESFALDK.T	2142.209	0.00739	3	1	49.5	0
P12163_1_F3,22639	R.ICVAALESFALDK.T	2142.209	0.00808	3	1	33.9	0
P12163_1_S1,18839	R.NFAEPEDLSAYDGLK.1	2277.186	0.00891	2	1	68.6	0
P12163_2_F2,16054	R.NLINAVK.G	1379.883	0.00608	2	1	27.8	0
P12163_2_F2,16066	R.NLINAVK.G	1379.883	0.00594	3	1	34.6	0
P12163_2_F2,16287	R.NLINAVK.G	1379.883	0.0059	2	1	24.8	0
P12163_2_F4,277	R.NLINAVK.G	1379.883	0.0029	2	1	30.1	0
P12163_1_F9,15305	R.RVVDILR.N	1174.757	0.00455	3	1	34.9	0
P12163_2_F9,14143	R.RVVDILR.N	1174.757	0.00209	3	1	33.9	0
P12163_1_F4,16964	R.TGGENGAPTGLFK.G	1857.033	0.00324	2	1	30.8	0
P12163_1_F4,16969	R.TGGENGAPTGLFK.G	1857.033	0.00792	3	1	28.2	0
P12163_2_F1,16072	R.TGGENGAPTGLFK.G	1857.033	0.00297	3	1	26.4	0
P12163_1_F2,19628	R.VVDILR.N ! K.VVDILR	1018.656	0.00308	2	1	24.2	0
P12163_1_F4,17343	K.AVEEVLK.K	1395.867	0.00485	2	1	26.2	0
P12163_2_F1,16464	K.AVEEVLK.K	1395.867	0.00278	3	1	24.1	0
P12163_2_F1,15920	K.EAFLEK.F	1344.798	0.00631	2	1	26.1	0
P12163_1_S1,18573	K.EETLELM*NQEYTSDI1	2680.385	0.01192	3	1	28	0
P12163_1_S1,21844	K.EETLELMNQEYTSDI1	2664.39	0.00788	3	1	56.8	0
P12163_1_S1,21950	K.EETLELMNQEYTSDI1	2664.39	0.00654	4	1	34.8	0
P12163_1_F4,20169	K.ENGFYTWGNVK.V	2052.065	0.0058	3	1	32	0
P12163_2_F1,19523	K.ENGFYTWGNVK.V	2052.065	0.00301	3	1	33.3	0
P12163_1_F6,14770	K.GDYTSIIHGK.Y	1698.963	0.00637	3	1	32.2	0
P12163_1_F6,14778	K.GDYTSIIHGK.Y	1698.963	0.00436	2	1	28.6	0
P12163_1_F8,21986	K.IWITNEIHNPTVVK.R	2400.386	0.00488	3	1	40.8	0
P12163_2_F7,11824	K.LM*HGELVEK.E	1679.961	0.00495	3	1	39.8	0
P12163_2_F7,13727	K.LM*HGELVEK.E	1679.961	-0.00111	3	1	35.5	0
P12163_1_F9,15134	K.LMHGELVEK.E	1663.966	0.00346	3	1	23.2	0
P12163_1_F9,15188	K.LMHGELVEK.E	1663.966	0.00225	2	1	42.6	0
P12163_1_F2,18930	K.NVQIVDTTCPWVSK.V	2255.231	0.00546	3	1	49	0

P12163_1_F5,13920	K.QFDVVNK.G	1457.857	0.00728	2	1	26.5	0
P12163_1_F3,15620	K.SPSSAAAIGAEFDAK.L	2030.101	0.01005	3	1	28.3	0
P12163_1_F3,17894	K.SPSSAAAIGAEFDAK.L	2030.101	0.00287	2	1	56.5	0
P12163_1_F3,17904	K.SPSSAAAIGAEFDAK.L	2030.101	0.00567	3	1	58.7	0
P12163_1_F4,17791	K.VGIANQTTM*IK.G	1800.051	-0.00362	2	1	25.6	0
P12163_1_F4,17758	K.VGIANQTTMIK.G	1784.056	0.00367	3	1	41	0
P12163_1_F4,17784	K.VGIANQTTMIK.G	1784.056	0.0041	2	1	54.5	0
P12163_2_F1,16981	K.VGIANQTTMIK.G	1784.056	0.00676	3	1	45.1	0
P12163_2_F1,17021	K.VGIANQTTMIK.G	1784.056	0.0061	2	1	49.3	0
P12163_2_F2,17150	K.VWTSVEK.H	1456.862	0.00334	2	1	24.1	0
P12163_1_F7,13849	K.YSHEETVATASFAGK.	2206.16	0.00489	4	1	27.5	0
P12163_1_F7,13855	K.YSHEETVATASFAGK.	2206.16	0.00324	3	1	37.7	0
P12163_2_F4,13537	K.YSHEETVATASFAGK.	2206.16	0.00105	3	1	37.1	0
P12163_2_F6,13943	K.YSHEETVATASFAGK.	2206.16	-0.00102	3	1	23.7	0
P12163_1_F2,15001	R.AVQIAYEAR.K	1324.753	0.00773	2	1	42.3	0
P12163_1_F9,15081	R.AVQIAYEAR.K	1324.753	-0.00019	2	1	37.7	0
P12163_2_F1,14617	R.AVQIAYEAR.K	1324.753	0.00299	2	1	38.1	0
P12163_1_F4,21065	R.GIPSYWIDSEK.R	1903.042	0.00591	2	1	26	0
P12163_2_F1,20569	R.GIPSYWIDSEK.R	1903.042	0.00653	2	1	25.6	0
P12163_2_F1,20575	R.GIPSYWIDSEK.R	1903.042	0.00871	3	1	25.3	0
P12163_1_S1,19983	R.LEEMAVQNIPVEEGK.I	2294.252	0.00433	3	1	32.5	0
P12163_1_S1,20043	R.LEEMAVQNIPVEEGK.I	2294.252	0.00946	4	1	63.4	0
P12163_1_F3,25051	K.DAISSAFDAFNSWSK.I	2254.16	0.00177	3	1	55.5	0
P12163_1_F3,13463	K.EAVGEVDYGAK.F	1745.953	0.00567	2	1	61.2	0
P12163_1_F4,14027	K.EAVGEVDYGAK.F	1745.953	0.00827	2	1	28.4	0
P12163_1_F5,17911	K.FADAFSK.A	1393.794	0.00566	3	1	22.4	0
P12163_2_F1,18353	K.FADAFSK.A	1393.794	0.00515	3	1	25.7	0
P12163_2_F1,18420	K.FADAFSK.A	1393.794	0.0055	2	1	29	0
P12163_1_F4,24455	K.FIEFYAEEAK.R	1855.01	0.00792	3	1	21.9	0
P12163_1_F4,24492	K.FIEFYAEEAK.R	1855.01	0.00337	2	1	54.6	0
P12163_2_F9,21133	K.FIEFYAEEAK.R	1855.01	0.00405	3	1	41	0
P12163_1_F4,17341	K.ITFTGSTAVGK.K	1690	0.00456	2	1	32.5	0
P12163_2_F1,16493	K.ITFTGSTAVGK.K	1690	0.00304	2	1	45	0
P12163_2_F1,16530	K.ITFTGSTAVGK.K	1690	0.00557	3	1	29.2	0
P12163_1_F4,16476	K.LMAGAAGTVK.K	1526.918	0.00606	2	1	45.8	0
P12163_1_F4,16535	K.LMAGAAGTVK.K	1526.918	0.00665	3	1	48.4	0
P12163_2_F1,15669	K.LMAGAAGTVK.K	1526.918	-0.00004	3	1	50.3	0
P12163_1_F8,18716	K.RVYGDIIIPATLPDR.R	1890.075	0.00231	3	1	30.7	0
P12163_1_F7,16202	K.TLEVHNPATGEVIANV	2908.512	0.00476	3	1	38.4	0
P12163_1_F7,17846	K.TLEVHNPATGEVIANV	2908.512	0.00893	3	1	53.5	0
P12163_1_F7,17822	K.TLEVHNPATGEVIANV	2892.517	0.00698	4	1	46.5	0
P12163_1_F7,17865	K.TLEVHNPATGEVIANV	2892.517	0.00551	3	1	56.1	0
P12163_2_S5,17265	K.TLEVHNPATGEVIANV	2892.517	0.00642	4	1	53	0
P12163_1_F2,22654	K.VETFVEDAVSK.G	1832.026	0.00205	2	1	59.9	0
P12163_1_F3,23267	K.VETFVEDAVSK.G	1832.026	0.00297	2	1	45.8	0
P12163_1_F3,23288	K.VETFVEDAVSK.G	1832.026	0.00773	3	1	52.9	0
P12163_1_F2,20161	K.VGDGFEGGVVQGPLIN	2294.296	0.00571	3	1	44.3	0
P12163_1_S1,19010	K.VGDGFEGGVVQGPLIN	2294.296	0.00472	3	1	57.4	0
P12163_1_S1,19012	K.VGDGFEGGVVQGPLIN	2294.296	0.00665	4	1	36.1	0
P12163_1_S1,19057	K.VGDGFEGGVVQGPLIN	2294.296	0.0005	2	1	80	0
P12163_1_F5,18175	K.WIDAYDGK.T	1575.863	0.01696	2	1	25.7	0

P12163_2_F1,18514 K.WIDAYDGK.T	1575.863	0.00818	2	1	24.8	0
P12163_1_F3,23116 K.YGMDEFLEIK.Y	1852.997	0.00628	3	1	29.6	0
P12163_1_S1,24605 R.EEVFGPVAPLLCFK.T	2214.245	0.00632	3	1	37.1	0
P12163_1_S1,24782 R.EEVFGPVAPLLCFK.T	2214.245	0.00764	3	1	34.8	0
P12163_2_F1,6389 R.NSQTCVCANR.V	1570.737	0.00035	2	1	35	0
P12163_2_F1,18147 R.VLVQEGIYEK.F	1786.057	0.00476	3	1	33.2	0
P12163_2_F1,18150 R.VLVQEGIYEK.F	1786.057	0.00306	2	1	39.1	0
P12163_2_F9,16426 R.VLVQEGIYEK.F	1786.057	0.00308	3	1	41.4	0
P12163_1_F8,21372 R.VYGDIIPATLPDR.R	1733.974	-0.003	2	1	25.7	0
P12163_1_F9,15364 K.DVLVHLR.E	1155.715	0.00303	3	1	48.3	0
P12163_1_F9,15735 K.DVLVHLR.E	1155.715	0.00408	3	1	36	0
P12163_1_F9,16005 K.DVLVHLR.E	1155.715	0.00153	3	1	39	0
P12163_1_S10,1527 K.DVLVHLR.E	1155.715	0.00468	3	1	51	0
P12163_1_F2,14173 K.DVVQALR.A	1104.668	0.00332	2	1	27.9	0
P12163_1_F2,14348 K.DVVQALR.A	1104.668	0.0025	2	1	25	0
P12163_1_F8,21162 K.FFQGTDVHCILCPR.N	2054.025	0.00234	3	1	46.9	0
P12163_2_F6,20755 K.FFQGTDVHCILCPR.N	2054.025	0.0018	3	1	28.3	0
P12163_2_F6,20772 K.FFQGTDVHCILCPR.N	2054.025	0.0033	2	1	25.2	0
P12163_2_S5,19602 K.FFQGTDVHCILCPR.N	2054.025	0.00198	3	1	36.7	0
P12163_1_F3,8429 K.GIM*EDPR.N	1137.588	0.00094	2	1	27.9	0
P12163_1_F3,11773 K.GIMEDPR.N	1121.593	0.00408	2	1	36.6	0
P12163_1_F5,18906 K.LLGGGLGK.G	1265.84	0.00788	3	1	27.3	0
P12163_2_F1,19097 K.LLGGGLGK.G	1265.84	0.00587	3	1	22.3	0
P12163_2_F1,20748 K.LQYFDVTK.D	1621.941	0.0061	2	1	34.5	0
P12163_1_F5,11865 R.AGLVSGK.D	1239.788	0.00466	2	1	32.7	0
P12163_2_F2,12794 R.AGLVSGK.D	1239.788	0.00802	2	1	31.7	0
P12163_1_F8,11768 R.DGLMATHDEETEK.F	2084.043	0.00997	3	1	26	0
P12163_1_F8,11804 R.DGLMATHDEETEK.F	2084.043	0.00287	2	1	28.4	0
P12163_2_F6,11576 R.DGLMATHDEETEK.F	2084.043	0.00619	3	1	30.4	0
P12163_2_F4,15888 R.DTEIAMGGYQPYHLS1	2243.107	0.0041	3	1	31.3	0
P12163_2_S5,11098 R.EPWHDIHSR.L	1480.76	-0.00118	3	1	26.8	0
P12163_2_S5,18202 R.FMIYVHAK.M ! R.FMI	1616.944	0.00063	3	1	28.4	0
P12163_1_S10,1073 R.GQIHGFR.M	1118.637	0.00578	3	1	24.8	0
P12163_2_F10,1004 R.GQIHGFR.M	1118.637	0.00467	3	1	22.2	0
P12163_1_F3,24906 R.NYLTFCLGNR.E	1708.878	0.00061	2	1	23.9	0
P12163_1_F6,13740 R.SIQDAYIHAIR.R	1590.89	0.00188	3	1	26.3	0
P12163_1_F6,16616 R.SIQDAYIHAIR.R	1590.89	0.00227	3	1	48	0
P12163_1_F6,16669 R.SIQDAYIHAIR.R	1590.89	0.00416	2	1	35.5	0
P12163_1_F8,16482 R.SIQDAYIHAIR.R	1590.89	0.00029	3	1	43.7	0
P12163_2_F6,15931 R.SIQDAYIHAIR.R	1590.89	0.00101	3	1	52.5	0
P12163_2_F9,15536 R.SIQDAYIHAIR.R	1590.89	0.00509	3	1	39.3	0
P12163_1_F6,15830 R.TLDTAHHDDFHQPNI	3085.559	0.00711	4	1	56.8	0
P12163_1_F6,20273 R.YDTPFHSLFR.T	1586.827	0.00076	3	1	39.4	0
P12163_2_F6,19954 R.YDTPFHSLFR.T	1586.827	0.00082	3	1	39.4	0
P12163_1_F5,10429 K.AMGMQEK.F	1402.764	0.01012	2	1	25.7	0
P12163_1_F4,11418 K.DVDPNVK.G	1394.81	0.00795	2	1	29.4	0
P12163_2_F1,10635 K.DVDPNVK.G	1394.81	0.00483	2	1	28.8	0
P12163_1_F2,14649 K.ELSEQTSFSNFR.S	1748.876	0.00223	3	1	22.6	0
P12163_1_F2,17148 K.ELSEQTSFSNFR.S	1748.876	0.00291	2	1	55.8	0
P12163_1_F8,17874 K.ESSTKPPDAALNVMIQ	2741.563	0.01061	4	1	24.2	0
P12163_1_F6,12825 K.EVDHEFSEAAK.A	1869.98	0.00572	3	1	35.4	0

P12163_2_F6,12182	K.EVDHEFSEAAK.A	1869.98	0.00437	3	1	25	0
P12163_2_F6,12247	K.EVDHEFSEAAK.A	1869.98	0.00616	2	1	46.5	0
P12163_1_S10,1425	K.FVELHGDR.A	1276.695	0.00325	3	1	30.7	0
P12163_2_F9,17162	K.HEELMAEISEATK.S	2096.115	0.00837	3	1	35.2	0
P12163_1_F2,20473	K.IGGFQEGIPIDPK.K	1979.142	0.00298	3	1	32.5	0
P12163_1_F3,20917	K.IGGFQEGIPIDPK.K	1979.142	0.00676	3	1	35.9	0
P12163_1_F4,21432	K.IQALEQQIK.Q	1679.031	0.00453	3	1	34.5	0
P12163_1_F5,20270	K.IQALEQQIK.Q	1679.031	0.00777	3	1	34.4	0
P12163_1_F5,20284	K.IQALEQQIK.Q	1679.031	0.00878	2	1	43.3	0
P12163_2_F1,20914	K.IQALEQQIK.Q	1679.031	-0.01188	2	1	24.2	0
P12163_2_F1,20937	K.IQALEQQIK.Q	1679.031	-0.00654	3	1	23.5	0
P12163_2_F2,20844	K.IQALEQQIK.Q	1679.031	-0.00114	2	1	34	0
P12163_1_F4,17681	K.M*DTQELLK.H	1601.903	0.01105	2	1	26.6	0
P12163_2_F1,16772	K.MDTQELLK.H	1585.908	0.00719	2	1	33.2	0
P12163_1_F4,16921	K.MENLNEEINK.K	1841.989	0.00235	3	1	22.7	0
P12163_1_F4,16923	K.MENLNEEINK.K	1841.989	0.00798	2	1	40.5	0
P12163_1_F5,15632	K.MENLNEEINK.K	1841.989	0.00938	2	1	41.4	0
P12163_2_F1,16042	K.MENLNEEINK.K	1841.989	0.00322	2	1	57.3	0
P12163_1_F3,18897	K.NEFNQGLASAPNYASI	2432.303	0.00645	2	1	53.4	0
P12163_1_F3,18995	K.NEFNQGLASAPNYASI	2432.303	0.00846	3	1	31.2	0
P12163_1_F8,15725	K.SEELGQGEAIAHNLR.1	1928.014	-0.00142	3	1	42.3	0
P12163_1_F8,15841	K.SEELGQGEAIAHNLR.1	1928.014	0.00031	2	1	49.8	0
P12163_2_F6,15218	K.SEELGQGEAIAHNLR.1	1928.014	0.00095	3	1	45.8	0
P12163_1_F2,21610	R.DQLM*DPILM*DK.I	1959.039	0.00759	3	1	42.3	0
P12163_1_S1,20582	R.DQLMDPILMDK.I	1927.049	0.01437	3	1	30.7	0
P12163_1_F4,17485	R.LSEAVNSSELK.E	1785.021	-0.00104	2	1	37	0
P12163_1_F4,17516	R.LSEAVNSSELK.E	1785.021	0.00826	3	1	36.2	0
P12163_1_F3,13880	R.VEINVGANR.S	1275.732	0.00252	2	1	25.3	0
P12163_1_F7,14473	K.CVAYAESHQALVGD	2371.217	0.00956	3	1	36.8	0
P12163_2_F6,14582	K.CVAYAESHQALVGD	2371.217	0.0077	3	1	29.8	0
P12163_1_F5,19236	K.DSIPAWIK.F	1537.92	-0.00084	3	1	23.6	0
P12163_1_S1,19979	K.EFDASPLIITASEK.V	2129.195	0.00807	3	1	45.5	0
P12163_1_S1,20049	K.EFDASPLIITASEK.V	2129.195	0.00167	2	1	73.7	0
P12163_1_F7,20508	K.FSVQAPGEIPYNGIYYI	3250.64	0.00678	3	1	28.2	0
P12163_1_F6,14607	K.IHMDTPSGIK.D	1706.972	0.00401	3	1	28.8	0
P12163_1_S1,22880	K.IVLDSDYPLFGGYK.R	2195.221	0.00716	3	1	43.6	0
P12163_1_F3,18832	K.VIVFER.G ! R.VIVFER.	1066.656	0.0016	2	1	29.2	0
P12163_2_F1,18396	K.VIVFER.G ! R.VIVFER.	1066.656	0.00272	2	1	26.1	0
P12163_2_F2,204	K.VIVFER.G ! R.VIVFER.	1066.656	0.00284	2	1	28.9	0
P12163_2_S3,14260	K.YGFM TSEHQYVSR.K	1908.922	0.00639	3	1	38	0
P12163_1_F6,13705	K.YVFQHPQPK.K	1752.005	0.00919	2	1	32.9	0
P12163_1_F6,13731	K.YVFQHPQPK.K	1752.005	0.00593	3	1	30.1	0
P12163_1_F9,12070	R.AMQHLEEK.Y	1593.888	0.01101	3	1	28.6	0
P12163_1_F9,12071	R.AMQHLEEK.Y	1593.888	0.00701	2	1	37.4	0
P12163_2_F9,11631	R.AMQHLEEK.Y	1593.888	0.00015	2	1	27.9	0
P12163_2_F6,20265	R.FDLGDADYLR.Y	1488.764	0.00391	2	1	29.2	0
P12163_2_F8_12070	R.GIALHK.M	1246.809	0.0132	3	1	28.9	0
P12163_1_F3,19636	R.LPNGQFVPGNNFSYDK	2405.271	0.00705	3	1	31.4	0
P12163_1_F3,19656	R.LPNGQFVPGNNFSYDK	2405.271	0.00494	2	1	24.4	0
P12163_1_F9,17276	R.RFDLGDADYLR.Y	1644.865	0.00167	3	1	46.4	0
P12163_1_F3,8209	R.SDTGITYR.E	1216.647	0.00348	3	1	24.2	0

P12163_1_F3,8630	R.SDTGITYR.E	1216.647	0.00288	3	1	39	0
P12163_1_S10,1121	R.SDTGITYR.E	1216.647	0.00322	2	1	24.3	0
P12163_1_F5,20343	R.SIPPPGAGQNIYEIDPN	2662.425	0.00348	3	1	40.6	0
P12163_1_F5,20616	R.SIPPPGAGQNIYEIDPN	2662.425	0.00582	3	1	51.1	0
P12163_2_F4,19105	R.SIPPPGAGQNIYEIDPN	2662.425	-0.00318	3	1	25.3	0
P12163_2_F8_12070	R.SIPPPGAGQNIYEIDPN	2662.425	0.01239	3	1	48.2	0
P12163_1_F2,13277	K.DAEEPDEADFK.E	1873.928	0.00679	2	1	39.9	0
P12163_1_S1,15800	K.DYYYADLGNER.F	1682.796	0.00738	2	1	24.7	0
P12163_1_S1,15836	K.DYYYADLGNER.F	1682.796	0.00246	3	1	24.2	0
P12163_2_F6,18726	K.GGEIHLNDPLAIK.L	2056.201	0.003	4	1	22.7	0
P12163_1_F4,18561	K.NIECAIIDK.A	1683.956	0.00881	2	1	24.4	0
P12163_2_F1,17767	K.NIECAIIDK.A	1683.956	0.00847	2	1	33.4	0
P12163_1_F2,4201	K.SNTGEGGEQPSR.M	1522.74	0.00401	3	1	38.4	0
P12163_1_F3,4121	K.SNTGEGGEQPSR.M	1522.74	0.00527	3	1	54.2	0
P12163_1_F3,5246	K.SNTGEGGEQPSR.M	1522.74	0.00646	2	1	34.1	0
P12163_2_F1,4932	K.SNTGEGGEQPSR.M	1522.74	0.00516	2	1	31	0
P12163_1_F4,18631	K.VAAAQEAAEDAVK.D	1881.054	-0.0006	3	1	43.4	0
P12163_2_F1,17940	K.VAAAQEAAEDAVK.D	1881.054	0.00684	3	1	33.3	0
P12163_1_F8,16678	R.AVGTMLSHEVTK.R	1881.072	0.00483	3	1	32.5	0
P12163_2_F6,16167	R.AVGTMLSHEVTK.R	1881.072	0.00411	3	1	32.1	0
P12163_2_F7,10918	R.ESLNLEHGGA.K.D	1762.991	-0.00054	3	1	30.4	0
P12163_2_F2,11323	R.GNSVAAAYK.E	1417.826	-0.00198	3	1	29.2	0
P12163_1_S1,21777	R.IGLIVESAEPR.E	1487.873	0.00135	3	1	33.3	0
P12163_1_S1,21816	R.IGLIVESAEPR.E	1487.873	0.00192	2	1	31.9	0
P12163_1_S1,22033	R.IGLIVESAEPR.E	1487.873	0.00303	3	1	51.1	0
P12163_1_S1,22066	R.IGLIVESAEPR.E	1487.873	0.0051	2	1	29.9	0
P12163_1_F8,15944	R.ILGHNGEINTLR.G	1640.939	0.00318	3	1	22.2	0
P12163_2_F6,15398	R.ILGHNGEINTLR.G	1640.939	0.00324	2	1	35.9	0
P12163_1_F3,17699	R.IVVDDEALK.Q	1609.962	0.0075	2	1	49.8	0
P12163_1_S1,21239	R.LLETNNFPEFTGR.V	1841.97	0.00793	2	1	31.6	0
P12163_1_F6,11388	R.VDYGHQEVAAK.F	1825.006	0.00277	2	1	53.8	0
P12163_1_F4,18586	R.VNLMAEEGVK.F	1697.972	0.00667	2	1	29.1	0
P12163_2_F1,17781	R.VNLMAEEGVK.F	1697.972	0.00961	2	1	37.6	0
P12163_2_F4,17993	R.YHLVGLPADTIHIK.L	2185.295	0.00079	3	1	47.1	0
P12163_2_F4,18004	R.YHLVGLPADTIHIK.L	2185.295	0.00405	4	1	44.5	0
P12163_1_S1,12420	K.DEAYFSSNAAAQASR.	1891.909	0.0025	3	1	34.9	0
P12163_1_F4,16869	K.EVVAELK.A	1395.867	0.00599	3	1	30.4	0
P12163_1_F4,16888	K.EVVAELK.A	1395.867	0.00903	2	1	28.9	0
P12163_2_F1,16027	K.EVVAELK.A	1395.867	0.00643	2	1	28.9	0
P12163_2_F1,16063	K.EVVAELK.A	1395.867	0.00785	3	1	28.8	0
P12163_2_F1,24913	K.FALESFWDGK.S	1807.984	0.0044	3	1	28.7	0
P12163_1_S1,22728	K.GVTGFGFDLIR.G	1485.837	0.00274	3	1	50.2	0
P12163_1_F5,15718	K.SEQDFYLK.W	1637.899	0.00041	2	1	38.2	0
P12163_1_S1,18567	K.SSADELQNVAADLR.A	1792.934	0.00669	3	1	42.6	0
P12163_1_S1,18572	K.SSADELQNVAADLR.A	1792.934	0.00614	2	1	58.3	0
P12163_1_F5,20887	K.SWLAFAAQK.V	1629.957	0.0053	3	1	33.2	0
P12163_2_F2,21278	K.SWLAFAAQK.V	1629.957	0.00812	3	1	34.7	0
P12163_2_F2,21288	K.SWLAFAAQK.V	1629.957	0.0045	2	1	32.6	0
P12163_1_F4,18122	K.VVEVNALAK.A	1550.973	0.00674	2	1	46.3	0
P12163_1_F4,18123	K.VVEVNALAK.A	1550.973	0.0051	3	1	33.2	0
P12163_2_F1,17394	K.VVEVNALAK.A	1550.973	-0.0044	2	1	41.4	0

P12163_1_S10,1533	K.WAVHSFR.I	1206.669	-0.00066	3	1	29.3	0
P12163_1_F7,15995	K.YCAGIGPGVYDIHSPR	2066.043	0.00216	3	1	54.2	0
P12163_1_F8,16695	K.YCAGIGPGVYDIHSPR	2066.043	0.004	3	1	53.6	0
P12163_2_S5,15651	K.YCAGIGPGVYDIHSPR	2066.043	0.01012	3	1	62.4	0
P12163_1_F9,20521	K.YL FAGVVDGR.N	1400.784	0.00377	2	1	38	0
P12163_1_S1,20473	K.YL FAGVVDGR.N	1400.784	0.00317	2	1	41.2	0
P12163_1_F4,5993	R.ATNVSAR.L	1022.59	-0.00304	3	1	26.8	0
P12163_1_F8,15796	R.CVKPPIIYGDVSRPK.A	2641.563	0.00777	3	1	22.7	0
P12163_1_F4,13898	R.GNASVPAMEMTK.W	1843.987	0.00788	3	1	48.5	0
P12163_1_S1,13998	R.IPSTEEIADR.I	1434.774	0.005	2	1	26.8	0
P12163_2_F2,11099	R.TQLASAK.-	1326.82	0.0072	2	1	34.7	0
P12163_1_S1,18242	K.DLQDDFM*GGAEIHK.S	2176.142	-0.00432	3	1	36.9	0
P12163_1_S1,18303	K.DLQDDFM*GGAEIHK.S	2176.142	0.00651	3	1	41	0
P12163_1_S1,20559	K.DLQDDFMGGAEIHK.S	2160.147	0.00234	3	1	60.6	0
P12163_1_F4,21237	K.DSVVAGFQWASK.E	1903.053	0.00965	3	1	36.4	0
P12163_1_F2,12482	K.EGALAEENMR.G	1423.715	0.00406	2	1	37	0
P12163_1_F3,12731	K.EGALAEENMR.G	1423.715	0.00604	2	1	27.5	0
P12163_2_F7,8632	K.EVDAHPIR.A	1240.695	0.00285	3	1	36.4	0
P12163_1_F3,15723	K.FSVSPVVR.V	1194.715	0.0064	3	1	43.1	0
P12163_2_F1,16832	K.FSVSPVVR.V	1194.715	0.00287	2	1	26.4	0
P12163_1_F4,18836	K.GVQYLNEIK.D	1671.989	0.00775	3	1	24.8	0
P12163_1_F5,17539	K.GVQYLNEIK.D	1671.989	0.00303	2	1	37.9	0
P12163_2_F8_12070	K.GVQYLNEIK.D	1671.989	0.00625	3	1	27.2	0
P12163_1_F4,24230	K.ILSEEFGWDK.D	1832.005	0.00656	2	1	25.4	0
P12163_2_F2,10081	K.NATLTNEK.E	1498.868	0.00808	2	1	29.3	0
P12163_2_F2,10126	K.NATLTNEK.E	1498.868	0.00823	3	1	22.1	0
P12163_1_F2,12684	K.SDPVVSFR.E	1210.673	0.00177	3	1	35.2	0
P12163_1_F4,14704	K.VASDLPK.L	1337.825	0.0029	2	1	24.1	0
P12163_1_F2,10726	R.GGGQVIPTAR.R	1259.737	-0.00231	2	1	24.3	0
P12163_2_F10,16380	R.GHVFEEMQRPGTPLYT	2724.475	0.00603	4	1	23.3	0
P12163_1_F4,15336	R.IM*GPNYVPGEK.K	1829.009	0.00927	2	1	24.4	0
P12163_1_F4,17686	R.IMGPNYVPGEK.K	1813.014	0.00763	3	1	23.6	0
P12163_2_F1,16859	R.IMGPNYVPGEK.K	1813.014	0.00077	2	1	26.8	0
P12163_2_F1,16883	R.IMGPNYVPGEK.K	1813.014	0.00604	3	1	36.7	0
P12163_1_F2,21210	R.NCDPEGPLM*LYVSK.I	2247.161	0.01304	3	1	22.4	0
P12163_1_F6,13457	R.NMSVIAHVDHGK.S	1916.063	0.00983	4	1	33.6	0
P12163_1_F7,12772	R.NMSVIAHVDHGK.S	1916.063	0.00539	4	1	28.4	0
P12163_2_F1,4315	R.QDEAER.G	1051.532	0.00468	2	1	29.7	0
P12163_2_F1,20508	K.ASFFPAMTK.I	1607.908	0.0068	2	1	35.5	0
P12163_1_F7,19219	K.CVGEPMTHLESIASSA	2248.137	0.00527	3	1	46.4	0
P12163_1_F4,14584	K.GNDVTCVIK.N	1613.914	0.00593	2	1	32.3	0
P12163_1_F5,13192	K.GNDVTCVIK.N	1613.914	0.01249	2	1	30.9	0
P12163_2_F1,13606	K.GNDVTCVIK.N	1613.914	0.00425	2	1	29.4	0
P12163_2_F1,13626	K.GNDVTCVIK.N	1613.914	0.00741	3	1	27.4	0
P12163_2_F2,11705	K.ICAEAEK.V	1428.798	0.00369	3	1	22.5	0
P12163_1_S1,22978	K.IDFLSLSYTR.H	1518.847	0.00628	2	1	28	0
P12163_1_F4,17710	K.IVGTLGPK.S	1392.903	0.00586	3	1	23.5	0
P12163_2_F1,16823	K.IVGTLGPK.S	1392.903	0.00502	2	1	25.6	0
P12163_2_F1,16855	K.IVGTLGPK.S	1392.903	0.00427	3	1	33.5	0
P12163_1_F3,21763	K.LGDLSTQIFAK.I	1929.127	0.0169	2	1	41.4	0
P12163_1_F7,20826	K.NTATLAGSLFTLHASQ	2205.229	-0.00044	3	1	23.7	0

P12163_2_F9,9758	K.VALDHGK.A	1347.82	0.00382	3	1	28.8	0
P12163_2_F1,21830	K.VFNQDLYFK.K	1782.005	0.00553	3	1	30.4	0
P12163_1_F7,21515	K.YRPTMPVLSVVIPR.L	1932.141	-0.00237	3	1	37.4	0
P12163_1_S1,17587	R.GLYPVETISIVGK.I	1984.194	0.00213	3	1	23.3	0
P12163_1_S1,20283	R.GLYPVETISIVGK.I	1984.194	0.00735	3	1	47.4	0
P12163_1_F3,18373	R.GNLGIDLPEK.V	1761.037	0.0068	2	1	33.3	0
P12163_1_F3,18733	R.GNLGIDLPEK.V	1761.037	0.01249	2	1	33.4	0
P12163_2_F8,12070	R.HAEDVR.Q	1030.558	0.00195	3	1	26.8	0
P12163_1_F6,11141	R.HPAESTNATNESVLK.V	2206.192	0.00643	3	1	29.1	0
P12163_1_F4,18052	R.SVDVISGCLK.A	1685.972	0.00984	3	1	38.1	0
P12163_2_F1,17295	R.SVDVISGCLK.A	1685.972	0.00234	2	1	46.6	0
P12163_1_F2,15247	K.ALVDSEFYGTDR.G	1547.801	-0.00095	3	1	35.5	0
P12163_1_F2,17560	K.ALVDSEFYGTDR.G	1547.801	0.00128	3	1	46.3	0
P12163_1_F2,19148	K.ALVDSEFYGTDR.G	1547.801	0.00438	2	1	25.4	0
P12163_1_F5,17077	K.ALVDSEFYGTDR.G	1547.801	-0.00001	3	1	25.8	0
P12163_1_F6,17676	K.ALVDSEFYGTDR.G	1547.801	0.00206	3	1	32.5	0
P12163_1_F6,18982	K.ALVDSEFYGTDR.G	1547.801	0.00476	2	1	34	0
P12163_1_F8,18956	K.ALVDSEFYGTDR.G	1547.801	0.00528	2	1	30.9	0
P12163_1_F9,17202	K.ALVDSEFYGTDR.G	1547.801	0.0039	2	1	28.2	0
P12163_1_F9,18610	K.ALVDSEFYGTDR.G	1547.801	0.00156	2	1	25.1	0
P12163_1_S1,13086	K.ALVDSEFYGTDR.G	1547.801	0.00309	4	1	23.1	0
P12163_1_S1,13098	K.ALVDSEFYGTDR.G	1547.801	0.0039	2	1	23.9	0
P12163_1_S1,13104	K.ALVDSEFYGTDR.G	1547.801	0.00242	3	1	26.6	0
P12163_1_S1,14917	K.ALVDSEFYGTDR.G	1547.801	0.0008	3	1	48	0
P12163_1_S1,15148	K.ALVDSEFYGTDR.G	1547.801	0.00293	3	1	41.7	0
P12163_1_S1,15835	K.ALVDSEFYGTDR.G	1547.801	0.00257	3	1	25.7	0
P12163_1_S1,16734	K.ALVDSEFYGTDR.G	1547.801	0.00497	3	1	41.4	0
P12163_1_S1,16761	K.ALVDSEFYGTDR.G	1547.801	0.00696	2	1	40	0
P12163_1_S1,16919	K.ALVDSEFYGTDR.G	1547.801	0.00251	3	1	48.7	0
P12163_1_S1,16955	K.ALVDSEFYGTDR.G	1547.801	0.00358	2	1	36.2	0
P12163_1_S1,17165	K.ALVDSEFYGTDR.G	1547.801	-0.00217	3	1	44.8	0
P12163_1_S1,17190	K.ALVDSEFYGTDR.G	1547.801	0.00444	2	1	37.9	0
P12163_1_S1,17423	K.ALVDSEFYGTDR.G	1547.801	0.00242	3	1	45.6	0
P12163_1_S1,17443	K.ALVDSEFYGTDR.G	1547.801	0.00404	2	1	41	0
P12163_1_S1,18364	K.ALVDSEFYGTDR.G	1547.801	0.00378	2	1	45.6	0
P12163_1_S1,18386	K.ALVDSEFYGTDR.G	1547.801	0.00257	3	1	46.2	0
P12163_1_S1,18607	K.ALVDSEFYGTDR.G	1547.801	-0.0011	2	1	45.7	0
P12163_1_S1,18626	K.ALVDSEFYGTDR.G	1547.801	0.00011	3	1	46.2	0
P12163_1_S1,18861	K.ALVDSEFYGTDR.G	1547.801	-0.00202	2	1	36.6	0
P12163_1_S1,26170	K.ALVDSEFYGTDR.G	1547.801	-0.00122	3	1	27.2	0
P12163_1_S10,17188	K.ALVDSEFYGTDR.G	1547.801	0.00344	3	1	30.6	0
P12163_1_S10,18420	K.ALVDSEFYGTDR.G	1547.801	0.00134	2	1	30	0
P12163_2_F2,17823	K.ALVDSEFYGTDR.G	1547.801	0.00041	3	1	24	0
P12163_2_F2,17855	K.ALVDSEFYGTDR.G	1547.801	0.0026	2	1	28	0
P12163_2_F4,16368	K.ALVDSEFYGTDR.G	1547.801	0.00212	3	1	31.7	0
P12163_2_F6,16270	K.ALVDSEFYGTDR.G	1547.801	0.00352	2	1	30.6	0
P12163_2_F6,16607	K.ALVDSEFYGTDR.G	1547.801	0.00534	2	1	28.9	0
P12163_2_F6,18465	K.ALVDSEFYGTDR.G	1547.801	0.00496	2	1	39.1	0
P12163_2_F7,15321	K.ALVDSEFYGTDR.G	1547.801	0.00107	3	1	52.1	0
P12163_2_F7,16638	K.ALVDSEFYGTDR.G	1547.801	0.00755	3	1	26.7	0
P12163_2_F7,16712	K.ALVDSEFYGTDR.G	1547.801	0.0037	2	1	45.5	0

P12163_1_F2,14070	K.EEGGALAVAEESPK.I	2124.128	0.00018	2	1	55.5	0
P12163_1_F2,14104	K.EEGGALAVAEESPK.I	2124.128	0.01245	3	1	57.8	0
P12163_1_F2,15398	K.EEGGALAVAEESPK.I	2124.128	0.00345	3	1	43	0
P12163_1_F2,15593	K.EEGGALAVAEESPK.I	2124.128	0.00366	2	1	84.5	0
P12163_1_F2,15660	K.EEGGALAVAEESPK.I	2124.128	0.00411	3	1	50.5	0
P12163_1_F3,16019	K.EEGGALAVAEESPK.I	2124.128	0.00344	2	1	90.1	0
P12163_1_F3,16032	K.EEGGALAVAEESPK.I	2124.128	0.00282	3	1	66.2	0
P12163_1_F4,16546	K.EEGGALAVAEESPK.I	2124.128	0.00081	3	1	42.5	0
P12163_1_F5,14811	K.EEGGALAVAEESPK.I	2124.128	-0.00086	2	1	57.3	0
P12163_1_F6,15373	K.EEGGALAVAEESPK.I	2124.128	0.00294	3	1	39.6	0
P12163_1_F6,15448	K.EEGGALAVAEESPK.I	2124.128	-0.00376	2	1	47.5	0
P12163_1_F6,15790	K.EEGGALAVAEESPK.I	2124.128	0.00072	3	1	28.4	0
P12163_1_F8,15658	K.EEGGALAVAEESPK.I	2124.128	0.00276	3	1	34.3	0
P12163_2_F2,15578	K.EEGGALAVAEESPK.I	2124.128	0.00012	3	1	50.4	0
P12163_2_F4,14690	K.EEGGALAVAEESPK.I	2124.128	0.00741	3	1	33.1	0
P12163_1_F2,20712	K.EGSPLLM*P.-	1163.628	0.0014	2	1	32.2	0
P12163_1_F5,20595	K.EGSPLLM*P.-	1147.633	0.00512	2	1	28.6	0
P12163_2_F2,21086	K.EGSPLLM*P.-	1147.633	0.00326	2	1	36.9	0
P12163_1_S10,1464	K.EKEEGGALAVAEESF	2685.471	0.00405	4	1	37.3	0
P12163_2_F8_12070	K.EKEEGGALAVAEESF	2685.471	0.00413	4	1	30.3	0
P12163_1_F2,15131	K.EVTEIDNLK.K	1668.963	0.00742	3	1	44.9	0
P12163_1_F3,15018	K.EVTEIDNLK.K	1668.963	0.00332	2	1	40.2	0
P12163_1_F3,16913	K.EVTEIDNLK.K	1668.963	0.00445	3	1	38.7	0
P12163_1_F3,17106	K.EVTEIDNLK.K	1668.963	0.00672	2	1	35.4	0
P12163_1_F4,17391	K.EVTEIDNLK.K	1668.963	0.00616	2	1	45.2	0
P12163_1_F4,17416	K.EVTEIDNLK.K	1668.963	0.00649	3	1	52.3	0
P12163_1_F5,16166	K.EVTEIDNLK.K	1668.963	0.00402	2	1	23.9	0
P12163_1_F6,16235	K.EVTEIDNLK.K	1668.963	0.00106	3	1	44	0
P12163_1_F6,16673	K.EVTEIDNLK.K	1668.963	0.007	2	1	44.7	0
P12163_1_F6,16715	K.EVTEIDNLK.K	1668.963	0.00577	3	1	43.1	0
P12163_1_F7,15323	K.EVTEIDNLK.K	1668.963	0.00181	3	1	41	0
P12163_1_F7,15370	K.EVTEIDNLK.K	1668.963	0.00198	2	1	45.1	0
P12163_1_F7,15813	K.EVTEIDNLK.K	1668.963	0.00658	3	1	35.7	0
P12163_1_F7,15850	K.EVTEIDNLK.K	1668.963	0.00578	2	1	37.3	0
P12163_2_F1,16753	K.EVTEIDNLK.K	1668.963	0.00938	2	1	48	0
P12163_2_F1,16754	K.EVTEIDNLK.K	1668.963	0.00997	3	1	41.1	0
P12163_2_F4,15044	K.EVTEIDNLK.K	1668.963	0.00192	2	1	42.6	0
P12163_2_F7,14899	K.EVTEIDNLK.K	1668.963	0.00202	3	1	22	0
P12163_1_F9,15282	K.EVTEIDNLKK.A	2101.263	0.00516	2	1	38.2	0
P12163_2_F8_12070	K.EVTEIDNLKK.A	2101.263	0.00857	4	1	31.3	0
P12163_1_F2,11928	K.GILSSVQDTASSVAK.T	2071.185	0.00487	4	1	26.4	0
P12163_1_F2,12967	K.GILSSVQDTASSVAK.T	2071.185	0.00374	3	1	34.8	0
P12163_1_F2,12971	K.GILSSVQDTASSVAK.T	2071.185	0.00291	4	1	31.6	0
P12163_1_F2,14075	K.GILSSVQDTASSVAK.T	2071.185	0.01143	3	1	64.2	0
P12163_1_F2,14667	K.GILSSVQDTASSVAK.T	2071.185	0.01451	3	1	24.7	0
P12163_1_F2,14864	K.GILSSVQDTASSVAK.T	2071.185	0.0005	2	1	43.2	0
P12163_1_F2,14914	K.GILSSVQDTASSVAK.T	2071.185	0.00419	4	1	41.9	0
P12163_1_F2,14998	K.GILSSVQDTASSVAK.T	2071.185	0.00299	3	1	42.3	0
P12163_1_F2,15919	K.GILSSVQDTASSVAK.T	2071.185	0.00535	4	1	34	0
P12163_1_F2,16404	K.GILSSVQDTASSVAK.T	2071.185	0.00228	2	1	67.1	0
P12163_1_F2,16646	K.GILSSVQDTASSVAK.T	2071.185	0.0101	3	1	33	0

P12163_1_F2,16671	K.GILSSVQDTASSVAK.T	2071.185	0.00262	2	1	27.2	0
P12163_1_F2,16745	K.GILSSVQDTASSVAK.T	2071.185	0.00507	4	1	46	0
P12163_1_F2,18110	K.GILSSVQDTASSVAK.T	2071.185	0.01458	3	1	51	0
P12163_1_F2,19374	K.GILSSVQDTASSVAK.T	2071.185	0.00226	2	1	76.5	0
P12163_1_F2,21257	K.GILSSVQDTASSVAK.T	2071.185	0.00864	3	1	46.7	0
P12163_1_F3,12211	K.GILSSVQDTASSVAK.T	2071.185	0.00695	3	1	29.1	0
P12163_1_F3,13369	K.GILSSVQDTASSVAK.T	2071.185	0.00554	3	1	43.9	0
P12163_1_F3,13957	K.GILSSVQDTASSVAK.T	2071.185	0.00689	3	1	41.9	0
P12163_1_F3,13996	K.GILSSVQDTASSVAK.T	2071.185	0.02099	4	1	35.3	0
P12163_1_F3,14440	K.GILSSVQDTASSVAK.T	2071.185	0.00434	2	1	34.8	0
P12163_1_F3,14580	K.GILSSVQDTASSVAK.T	2071.185	0.00839	3	1	53.7	0
P12163_1_F3,15304	K.GILSSVQDTASSVAK.T	2071.185	0.00918	3	1	35.2	0
P12163_1_F3,15322	K.GILSSVQDTASSVAK.T	2071.185	0.00308	2	1	47.6	0
P12163_1_F3,16387	K.GILSSVQDTASSVAK.T	2071.185	0.01484	2	1	57.5	0
P12163_1_F3,16456	K.GILSSVQDTASSVAK.T	2071.185	0.00379	4	1	28.6	0
P12163_1_F3,16922	K.GILSSVQDTASSVAK.T	2071.185	0.0036	2	1	64.1	0
P12163_1_F4,255	K.GILSSVQDTASSVAK.T	2071.185	0.00803	3	1	50.4	0
P12163_1_F4,809	K.GILSSVQDTASSVAK.T	2071.185	0.00623	3	1	34.5	0
P12163_1_F4,20553	K.GILSSVQDTASSVAK.T	2071.185	0.00752	3	1	37.8	0
P12163_1_F5,19028	K.GILSSVQDTASSVAK.T	2071.185	0.00369	3	1	40.5	0
P12163_1_F6,15254	K.GILSSVQDTASSVAK.T	2071.185	0.00812	3	1	35.8	0
P12163_1_F6,18978	K.GILSSVQDTASSVAK.T	2071.185	0.00279	3	1	61.2	0
P12163_1_F6,22206	K.GILSSVQDTASSVAK.T	2071.185	0.00261	3	1	46.8	0
P12163_1_F7,14484	K.GILSSVQDTASSVAK.T	2071.185	0.00045	3	1	37.5	0
P12163_1_F7,15797	K.GILSSVQDTASSVAK.T	2071.185	0.00167	3	1	22.8	0
P12163_1_F7,18376	K.GILSSVQDTASSVAK.T	2071.185	0.00275	3	1	49.7	0
P12163_1_F7,18419	K.GILSSVQDTASSVAK.T	2071.185	0.01168	2	1	30.5	0
P12163_1_F8,15142	K.GILSSVQDTASSVAK.T	2071.185	0.00414	3	1	36.8	0
P12163_1_S1,15417	K.GILSSVQDTASSVAK.T	2071.185	0.00434	3	1	51.4	0
P12163_1_S10,1814	K.GILSSVQDTASSVAK.T	2071.185	0.0068	3	1	41.6	0
P12163_2_F4,18016	K.GILSSVQDTASSVAK.T	2071.185	0.00262	2	1	75.6	0
P12163_2_F6,14608	K.GILSSVQDTASSVAK.T	2071.185	0.00522	3	1	40.7	0
P12163_2_S5,17808	K.GILSSVQDTASSVAK.T	2071.185	0.00725	3	1	51.8	0
P12163_1_F4,21051	K.IDLSPFK.G	1427.872	0.006	3	1	23.1	0
P12163_1_F4,21291	K.IDLSPFK.G	1427.872	0.00519	3	1	35	0
P12163_1_F4,23288	K.IDLSPFK.G	1427.872	0.0045	3	1	24.2	0
P12163_1_F4,23556	K.IDLSPFK.G	1427.872	0.00895	3	1	23.9	0
P12163_1_F4,24778	K.IDLSPFK.G	1427.872	0.00361	2	1	31.8	0
P12163_1_F5,20155	K.IDLSPFK.G	1427.872	0.00427	3	1	27.1	0
P12163_1_F5,22298	K.IDLSPFK.G	1427.872	0.00697	3	1	27.4	0
P12163_1_F5,22517	K.IDLSPFK.G	1427.872	0.00933	3	1	25.2	0
P12163_1_F5,23303	K.IDLSPFK.G	1427.872	0.00909	3	1	27.4	0
P12163_1_F6,99	K.IDLSPFK.G	1427.872	0.00599	2	1	27.9	0
P12163_1_F6,104	K.IDLSPFK.G	1427.872	0.00486	3	1	24.4	0
P12163_1_F6,306	K.IDLSPFK.G	1427.872	0.0072	3	1	25.6	0
P12163_1_F6,575	K.IDLSPFK.G	1427.872	0.00423	3	1	22.4	0
P12163_1_F6,19967	K.IDLSPFK.G	1427.872	0.0042	3	1	25.9	0
P12163_1_F6,21161	K.IDLSPFK.G	1427.872	0.00906	3	1	27.5	0
P12163_1_F6,21211	K.IDLSPFK.G	1427.872	0.00651	2	1	24.2	0
P12163_1_F7,18744	K.IDLSPFK.G	1427.872	0.00225	3	1	27.9	0
P12163_1_F7,18778	K.IDLSPFK.G	1427.872	0.00309	2	1	23.9	0

P12163_1_F7,20423 K.IDLSPFK.G	1427.872	0.00618	3	1	23.7	0
P12163_1_F8,19496 K.IDLSPFK.G	1427.872	0.00094	3	1	25.6	0
P12163_1_F8,19748 K.IDLSPFK.G	1427.872	0.00114	3	1	26	0
P12163_1_F9,19544 K.IDLSPFK.G	1427.872	0.00429	3	1	24.8	0
P12163_1_S10,1873 K.IDLSPFK.G	1427.872	0.00918	3	1	24.9	0
P12163_2_F1,20447 K.IDLSPFK.G	1427.872	0.00765	3	1	22.7	0
P12163_2_F1,20657 K.IDLSPFK.G	1427.872	0.00324	3	1	26	0
P12163_2_F2,16 K.IDLSPFK.G	1427.872	0.0058	3	1	26	0
P12163_2_F2,749 K.IDLSPFK.G	1427.872	0.00796	3	1	25.8	0
P12163_2_F2,20175 K.IDLSPFK.G	1427.872	0.00189	3	1	22.4	0
P12163_2_F4,18124 K.IDLSPFK.G	1427.872	-0.00068	3	1	25.7	0
P12163_2_F4,18341 K.IDLSPFK.G	1427.872	0.00233	2	1	23.9	0
P12163_2_F4,18349 K.IDLSPFK.G	1427.872	0.00132	3	1	26.1	0
P12163_2_S5,18468 K.IDLSPFK.G	1427.872	0.00582	3	1	32.3	0
P12163_1_F2,17736 K.NPTPAPTEALTLLNAK	2259.317	-0.00154	2	1	24.1	0
P12163_1_F2,17853 K.NPTPAPTEALTLLNAK	2259.317	0.00257	3	1	35.8	0
P12163_1_F2,18217 K.NPTPAPTEALTLLNAK	2259.317	0.00818	3	1	38.4	0
P12163_1_F2,21566 K.NPTPAPTEALTLLNAK	2259.317	0.00677	3	1	25.1	0
P12163_1_F2,21619 K.NPTPAPTEALTLLNAK	2259.317	0.00394	2	1	49.2	0
P12163_1_F2,21627 K.NPTPAPTEALTLLNAK	2259.317	0.00599	4	1	43.6	0
P12163_1_F2,21869 K.NPTPAPTEALTLLNAK	2259.317	0.00881	3	1	41.7	0
P12163_1_F2,22077 K.NPTPAPTEALTLLNAK	2259.317	0.00908	3	1	48.5	0
P12163_1_F3,22318 K.NPTPAPTEALTLLNAK	2259.317	0.00548	3	1	61.7	0
P12163_1_F3,22340 K.NPTPAPTEALTLLNAK	2259.317	0.0025	2	1	29.8	0
P12163_1_F4,1123 K.NPTPAPTEALTLLNAK	2259.317	0.00587	3	1	23	0
P12163_1_F4,23122 K.NPTPAPTEALTLLNAK	2259.317	0.00143	3	1	42.4	0
P12163_1_F5,21164 K.NPTPAPTEALTLLNAK	2259.317	0.00248	3	1	44.2	0
P12163_1_F5,21195 K.NPTPAPTEALTLLNAK	2259.317	0.00044	2	1	32.3	0
P12163_1_F5,21397 K.NPTPAPTEALTLLNAK	2259.317	0.00095	3	1	49.8	0
P12163_1_F5,22388 K.NPTPAPTEALTLLNAK	2259.317	0.00224	3	1	23.8	0
P12163_1_F5,22710 K.NPTPAPTEALTLLNAK	2259.317	0.00344	3	1	50.3	0
P12163_1_F6,205 K.NPTPAPTEALTLLNAK	2259.317	0.0011	3	1	26.3	0
P12163_1_F6,21175 K.NPTPAPTEALTLLNAK	2259.317	0.00458	3	1	58.3	0
P12163_1_F6,21485 K.NPTPAPTEALTLLNAK	2259.317	0.00512	3	1	64	0
P12163_1_F7,20590 K.NPTPAPTEALTLLNAK	2259.317	0.00104	3	1	61.4	0
P12163_1_F8,21667 K.NPTPAPTEALTLLNAK	2259.317	-0.00163	3	1	38.3	0
P12163_1_F8,21709 K.NPTPAPTEALTLLNAK	2259.317	0.0022	2	1	25	0
P12163_1_S1,16392 K.NPTPAPTEALTLLNAK	2259.317	0.00471	4	1	27.4	0
P12163_1_S1,16430 K.NPTPAPTEALTLLNAK	2259.317	0.00372	2	1	32	0
P12163_1_S1,16513 K.NPTPAPTEALTLLNAK	2259.317	0.01619	3	1	32.8	0
P12163_1_S1,17045 K.NPTPAPTEALTLLNAK	2259.317	0.00535	4	1	35.3	0
P12163_1_S1,17192 K.NPTPAPTEALTLLNAK	2259.317	0.00617	3	1	34.5	0
P12163_1_S1,20057 K.NPTPAPTEALTLLNAK	2259.317	0.00251	4	1	65.7	0
P12163_1_S1,20105 K.NPTPAPTEALTLLNAK	2259.317	0.00378	2	1	76.4	0
P12163_1_S1,20359 K.NPTPAPTEALTLLNAK	2259.317	0.00139	4	1	73.7	0
P12163_1_S1,20393 K.NPTPAPTEALTLLNAK	2259.317	0.00914	3	1	43.9	0
P12163_1_S1,20627 K.NPTPAPTEALTLLNAK	2259.317	0.00767	3	1	37.8	0
P12163_1_S1,20955 K.NPTPAPTEALTLLNAK	2259.317	0.01013	3	1	28.3	0
P12163_1_S1,24726 K.NPTPAPTEALTLLNAK	2259.317	0.00437	3	1	24.1	0
P12163_1_S1,24914 K.NPTPAPTEALTLLNAK	2259.317	0.00641	3	1	24.5	0
P12163_1_S1,25092 K.NPTPAPTEALTLLNAK	2259.317	0.00341	3	1	29.9	0

P12163_1_S1,25453	K.NPTPAPTEALTLLNAK	2259.317	0.00944	3	1	31.7	0
P12163_1_S1,25723	K.NPTPAPTEALTLLNAK	2259.317	0.00995	3	1	30.2	0
P12163_1_S1,25878	K.NPTPAPTEALTLLNAK	2259.317	0.00407	3	1	34.5	0
P12163_1_S10,1950	K.NPTPAPTEALTLLNAK	2259.317	0.0062	3	1	31.1	0
P12163_1_S10,1968	K.NPTPAPTEALTLLNAK	2259.317	0.00266	3	1	24.3	0
P12163_2_F1,22581	K.NPTPAPTEALTLLNAK	2259.317	0.00527	3	1	51.2	0
P12163_2_F2,21676	K.NPTPAPTEALTLLNAK	2259.317	-0.00058	3	1	66.7	0
P12163_2_F4,20091	K.NPTPAPTEALTLLNAK	2259.317	0.00668	3	1	37.8	0
P12163_2_S3,17791	K.NPTPAPTEALTLLNAK	2259.317	0.00713	3	1	45	0
P12163_2_S5,18708	K.NPTPAPTEALTLLNAK	2259.317	0.00701	3	1	41.3	0
P12163_2_S5,19430	K.NPTPAPTEALTLLNAK	2259.317	-0.01903	3	1	37.6	0
P12163_1_F3,13637	K.TISSQPPLK.F	1578.967	0.00358	2	1	40.7	0
P12163_1_F4,12635	K.TISSQPPLK.F	1578.967	0.00558	2	1	28.5	0
P12163_1_F4,14066	K.TISSQPPLK.F	1578.967	0.00651	3	1	26.2	0
P12163_1_F4,14287	K.TISSQPPLK.F	1578.967	0.00468	2	1	31.1	0
P12163_1_F4,15964	K.TISSQPPLK.F	1578.967	0.01312	2	1	35.8	0
P12163_1_F4,16169	K.TISSQPPLK.F	1578.967	0.00394	2	1	28.9	0
P12163_1_F4,16604	K.TISSQPPLK.F	1578.967	0.0058	2	1	26.2	0
P12163_1_F4,17048	K.TISSQPPLK.F	1578.967	0.00816	2	1	39	0
P12163_1_F4,17524	K.TISSQPPLK.F	1578.967	0.00322	2	1	27.1	0
P12163_1_F4,17934	K.TISSQPPLK.F	1578.967	0.0059	2	1	39.4	0
P12163_1_F4,23222	K.TISSQPPLK.F	1578.967	0.00474	3	1	24.5	0
P12163_1_F4,23674	K.TISSQPPLK.F	1578.967	0.00698	2	1	37.5	0
P12163_1_F4,24193	K.TISSQPPLK.F	1578.967	0.00768	2	1	39.5	0
P12163_1_F4,24442	K.TISSQPPLK.F	1578.967	-0.00747	3	1	22.8	0
P12163_1_F4,25662	K.TISSQPPLK.F	1578.967	0.00108	2	1	30.2	0
P12163_1_F5,12681	K.TISSQPPLK.F	1578.967	0.01002	2	1	29.4	0
P12163_1_F6,12969	K.TISSQPPLK.F	1578.967	0.00216	3	1	24.3	0
P12163_1_F6,13004	K.TISSQPPLK.F	1578.967	0.00244	2	1	40.3	0
P12163_1_F6,13547	K.TISSQPPLK.F	1578.967	0.0063	2	1	40.5	0
P12163_1_F7,12325	K.TISSQPPLK.F	1578.967	0.00332	2	1	37.1	0
P12163_1_F8,13499	K.TISSQPPLK.F	1578.967	0.00522	2	1	31.2	0
P12163_1_F9,13537	K.TISSQPPLK.F	1578.967	0.00938	2	1	28.7	0
P12163_1_F9,13570	K.TISSQPPLK.F	1578.967	0.00993	3	1	22.8	0
P12163_2_F1,13049	K.TISSQPPLK.F	1578.967	0.00766	2	1	28.1	0
P12163_2_F1,13093	K.TISSQPPLK.F	1578.967	0.00699	3	1	28.8	0
P12163_2_F1,13337	K.TISSQPPLK.F	1578.967	0.00706	2	1	40.1	0
P12163_2_F1,13566	K.TISSQPPLK.F	1578.967	0.00584	2	1	39.4	0
P12163_2_F2,3705	K.TISSQPPLK.F	1578.967	0.00408	3	1	30.8	0
P12163_2_F2,3817	K.TISSQPPLK.F	1578.967	0.00544	2	1	33.5	0
P12163_2_F2,13610	K.TISSQPPLK.F	1578.967	0.01222	2	1	39.7	0
P12163_2_F4,12022	K.TISSQPPLK.F	1578.967	0.00164	2	1	24	0
P12163_2_F4,12580	K.TISSQPPLK.F	1578.967	0.00588	2	1	40.4	0
P12163_2_F8_12070	K.TISSQPPLK.F	1578.967	0.00918	2	1	32.6	0
P12163_2_F9,12149	K.TISSQPPLK.F	1578.967	0.00507	3	1	33.1	0
P12163_2_S5,11585	K.TISSQPPLK.F	1578.967	0.00153	3	1	22	0
P12163_2_S5,11587	K.TISSQPPLK.F	1578.967	0.00008	2	1	32.5	0
P12163_2_S5,12312	K.TISSQPPLK.F	1578.967	0.00856	2	1	34.2	0
P12163_1_F4,14267	R.AADDDEWGPEK.E	1840.917	0.00831	2	1	50.3	0
P12163_1_F4,14278	R.AADDDEWGPEK.E	1840.917	0.00455	3	1	36.5	0
P12163_1_F3,19551	R.ADAGSVFVFIK.E	1762.036	0.0052	3	1	23.8	0

P12163_1_F3,19820	R.ADAGSVFVFIK.E	1762.036	0.00622	3	1	23.2	0
P12163_1_F3,23318	R.ADAGSVFVFIK.E	1762.036	0.00277	2	1	59.8	0
P12163_1_F3,23373	R.ADAGSVFVFIK.E	1762.036	0.00049	3	1	54.7	0
P12163_1_F3,23563	R.ADAGSVFVFIK.E	1762.036	0.00609	2	1	67.7	0
P12163_1_F3,23607	R.ADAGSVFVFIK.E	1762.036	0.00412	3	1	53.3	0
P12163_1_F3,23804	R.ADAGSVFVFIK.E	1762.036	0.00477	2	1	60	0
P12163_1_F3,24036	R.ADAGSVFVFIK.E	1762.036	0.00387	2	1	57.2	0
P12163_1_F3,24161	R.ADAGSVFVFIK.E	1762.036	0.00331	3	1	48.2	0
P12163_1_F3,24319	R.ADAGSVFVFIK.E	1762.036	0.00667	2	1	55.7	0
P12163_1_F3,24415	R.ADAGSVFVFIK.E	1762.036	0.00574	3	1	44.7	0
P12163_1_F3,24644	R.ADAGSVFVFIK.E	1762.036	0.004	3	1	44.6	0
P12163_1_F3,24890	R.ADAGSVFVFIK.E	1762.036	0.00286	3	1	31.5	0
P12163_1_F3,25151	R.ADAGSVFVFIK.E	1762.036	0.00097	3	1	24	0
P12163_1_F3,25794	R.ADAGSVFVFIK.E	1762.036	0.00031	3	1	30.3	0
P12163_1_F3,26120	R.ADAGSVFVFIK.E	1762.036	0.00547	3	1	28.9	0
P12163_1_F3,26751	R.ADAGSVFVFIK.E	1762.036	0.00817	3	1	37.5	0
P12163_1_F3,26972	R.ADAGSVFVFIK.E	1762.036	0.00262	3	1	22	0
P12163_1_F4,24223	R.ADAGSVFVFIK.E	1762.036	0.00679	3	1	53.2	0
P12163_1_F4,24227	R.ADAGSVFVFIK.E	1762.036	0.00611	2	1	58.8	0
P12163_1_F5,22662	R.ADAGSVFVFIK.E	1762.036	0.00802	3	1	39.1	0
P12163_1_F6,21930	R.ADAGSVFVFIK.E	1762.036	0.00229	3	1	45.6	0
P12163_1_F6,21940	R.ADAGSVFVFIK.E	1762.036	0.00243	2	1	40.9	0
P12163_1_F6,22154	R.ADAGSVFVFIK.E	1762.036	0.0019	3	1	42.9	0
P12163_1_F6,22377	R.ADAGSVFVFIK.E	1762.036	0.00748	3	1	44.7	0
P12163_1_F7,18206	R.ADAGSVFVFIK.E	1762.036	0.00388	3	1	21.9	0
P12163_1_F7,21240	R.ADAGSVFVFIK.E	1762.036	-0.0014	3	1	24.7	0
P12163_1_F7,21601	R.ADAGSVFVFIK.E	1762.036	0.00889	3	1	39.3	0
P12163_1_F7,21609	R.ADAGSVFVFIK.E	1762.036	0.00663	2	1	59.7	0
P12163_1_F9,21777	R.ADAGSVFVFIK.E	1762.036	0.00406	3	1	43.6	0
P12163_1_S1,21713	R.ADAGSVFVFIK.E	1762.036	0.00604	3	1	34.7	0
P12163_1_S10,2052'	R.ADAGSVFVFIK.E	1762.036	0.00571	3	1	25.8	0
P12163_2_F1,23668	R.ADAGSVFVFIK.E	1762.036	0.00405	2	1	71.5	0
P12163_2_F1,23681	R.ADAGSVFVFIK.E	1762.036	0.0052	3	1	42.7	0
P12163_2_F2,22605	R.ADAGSVFVFIK.E	1762.036	0.00148	3	1	33.9	0
P12163_2_F4,20695	R.ADAGSVFVFIK.E	1762.036	-0.00149	3	1	22.7	0
P12163_2_F4,20989	R.ADAGSVFVFIK.E	1762.036	0.00397	3	1	46.2	0
P12163_2_F9,20448	R.ADAGSVFVFIK.E	1762.036	0.00463	3	1	34.3	0
P12163_2_S3,18493	R.ADAGSVFVFIK.E	1762.036	-0.00119	3	1	22.4	0
P12163_1_F3,28319	R.AEIVELITQLEAK.N	2065.236	0.00431	3	1	35.1	0
P12163_1_F3,28510	R.AEIVELITQLEAK.N	2065.236	0.00371	2	1	50.6	0
P12163_1_F3,28575	R.AEIVELITQLEAK.N	2065.236	0.00566	3	1	53.9	0
P12163_1_F3,28795	R.AEIVELITQLEAK.N	2065.236	0.01484	3	1	37.3	0
P12163_1_F3,29087	R.AEIVELITQLEAK.N	2065.236	0.00353	3	1	24.3	0
P12163_1_F3,29252	R.AEIVELITQLEAK.N	2065.236	0.00641	3	1	33.6	0
P12163_1_F3,29601	R.AEIVELITQLEAK.N	2065.236	0.00362	3	1	30.3	0
P12163_1_F4,29111	R.AEIVELITQLEAK.N	2065.236	0.00596	3	1	31.8	0
P12163_1_F6,26421	R.AEIVELITQLEAK.N	2065.236	0.00209	3	1	41.1	0
P12163_1_F2,16458	R.FAGPLATTSISTNAK.F	2087.196	0.00318	3	1	24.1	0
P12163_1_F2,18559	R.FAGPLATTSISTNAK.F	2087.196	0.00081	3	1	47.9	0
P12163_1_F3,14576	R.FAGPLATTSISTNAK.F	2087.196	0.00811	4	1	23.5	0
P12163_1_F3,14607	R.FAGPLATTSISTNAK.F	2087.196	0.00699	3	1	28.1	0

P12163_1_F3,15176	R.FAGPLATTSISTNAK.F	2087.196	0.00375	3	1	27.5	0
P12163_1_F3,16212	R.FAGPLATTSISTNAK.F	2087.196	0.00756	3	1	35.9	0
P12163_1_F3,16235	R.FAGPLATTSISTNAK.F	2087.196	0.0026	2	1	61	0
P12163_1_F3,16465	R.FAGPLATTSISTNAK.F	2087.196	0.00642	3	1	46.4	0
P12163_1_F3,16887	R.FAGPLATTSISTNAK.F	2087.196	0.00292	2	1	52.5	0
P12163_1_F3,17140	R.FAGPLATTSISTNAK.F	2087.196	0.00232	2	1	46.3	0
P12163_1_F3,17259	R.FAGPLATTSISTNAK.F	2087.196	0.00825	3	1	42.6	0
P12163_1_F3,17403	R.FAGPLATTSISTNAK.F	2087.196	0.00432	2	1	53.1	0
P12163_1_F3,17572	R.FAGPLATTSISTNAK.F	2087.196	0.00504	3	1	46.1	0
P12163_1_F3,19025	R.FAGPLATTSISTNAK.F	2087.196	0.00564	3	1	29.8	0
P12163_1_F3,19072	R.FAGPLATTSISTNAK.F	2087.196	0.00442	2	1	78.5	0
P12163_1_F3,19311	R.FAGPLATTSISTNAK.F	2087.196	0.0072	3	1	67.3	0
P12163_1_F3,19342	R.FAGPLATTSISTNAK.F	2087.196	0.00118	2	1	75.4	0
P12163_1_F5,16154	R.FAGPLATTSISTNAK.F	2087.196	0.00912	3	1	27.9	0
P12163_1_F5,16652	R.FAGPLATTSISTNAK.F	2087.196	0.00693	3	1	35	0
P12163_1_F5,17959	R.FAGPLATTSISTNAK.F	2087.196	0.00134	2	1	32.3	0
P12163_1_F5,18326	R.FAGPLATTSISTNAK.F	2087.196	0.01488	3	1	50.5	0
P12163_1_F6,16831	R.FAGPLATTSISTNAK.F	2087.196	0.00198	3	1	34	0
P12163_1_F6,18072	R.FAGPLATTSISTNAK.F	2087.196	0.00522	3	1	34.8	0
P12163_1_F6,18301	R.FAGPLATTSISTNAK.F	2087.196	-0.00123	3	1	50.6	0
P12163_1_F6,18545	R.FAGPLATTSISTNAK.F	2087.196	0.00291	3	1	23.6	0
P12163_1_F6,22272	R.FAGPLATTSISTNAK.F	2087.196	0.00096	3	1	26.1	0
P12163_1_F7,17753	R.FAGPLATTSISTNAK.F	2087.196	0.00336	3	1	65.5	0
P12163_1_F8,18582	R.FAGPLATTSISTNAK.F	2087.196	0.00716	2	1	49.5	0
P12163_1_S10,1735	R.FAGPLATTSISTNAK.F	2087.196	0.00516	3	1	39.6	0
P12163_2_F1,16568	R.FAGPLATTSISTNAK.F	2087.196	0.00681	3	1	22.2	0
P12163_2_F1,18840	R.FAGPLATTSISTNAK.F	2087.196	0.01359	3	1	47.6	0
P12163_2_F1,18874	R.FAGPLATTSISTNAK.F	2087.196	0.00386	2	1	64.8	0
P12163_2_F1,19099	R.FAGPLATTSISTNAK.F	2087.196	0.00846	3	1	65.5	0
P12163_2_F1,19118	R.FAGPLATTSISTNAK.F	2087.196	0.0107	2	1	93.4	0
P12163_2_F4,17069	R.FAGPLATTSISTNAK.F	2087.196	0.00054	3	1	64.9	0
P12163_2_F4,17335	R.FAGPLATTSISTNAK.F	2087.196	0.00558	3	1	63	0
P12163_2_F4,17350	R.FAGPLATTSISTNAK.F	2087.196	0.00452	2	1	33.5	0
P12163_2_F6,18109	R.FAGPLATTSISTNAK.F	2087.196	0	3	1	54.4	0
P12163_2_F6,18198	R.FAGPLATTSISTNAK.F	2087.196	0.00434	2	1	55.3	0
P12163_2_F8_12070	R.FAGPLATTSISTNAK.F	2087.196	0.01239	3	1	37.4	0
P12163_2_S3,15263	R.FAGPLATTSISTNAK.F	2087.196	0.00156	3	1	36.3	0
P12163_1_F3,5433	R.GLNATSETR.A	1252.68	0.00385	3	1	30.2	0
P12163_1_F3,5633	R.GLNATSETR.A	1252.68	0.00361	3	1	24.3	0
P12163_1_F3,6823	R.GLNATSETR.A	1252.68	0.00076	3	1	29.6	0
P12163_1_F3,7047	R.GLNATSETR.A	1252.68	0.00139	3	1	34.5	0
P12163_1_F3,7140	R.GLNATSETR.A	1252.68	0.00133	2	1	24.7	0
P12163_1_F3,7506	R.GLNATSETR.A	1252.68	0.00295	3	1	24.8	0
P12163_1_F3,8652	R.GLNATSETR.A	1252.68	0.00313	3	1	25.5	0
P12163_1_F3,8831	R.GLNATSETR.A	1252.68	0.00013	2	1	30.1	0
P12163_1_F3,8889	R.GLNATSETR.A	1252.68	0.00241	3	1	30.2	0
P12163_1_F3,9069	R.GLNATSETR.A	1252.68	0.00243	2	1	32	0
P12163_1_F3,9819	R.GLNATSETR.A	1252.68	0.00425	2	1	29.5	0
P12163_1_F4,9184	R.GLNATSETR.A	1252.68	0.00317	2	1	26.2	0
P12163_1_F7,6002	R.GLNATSETR.A	1252.68	-0.00086	3	1	22.9	0
P12163_2_F1,6398	R.GLNATSETR.A	1252.68	0.00037	3	1	23.9	0

P12163_2_F1,6692	R.GLNATSETR.A	1252.68	0.00259	3	1	29.3	0
P12163_2_F1,8446	R.GLNATSETR.A	1252.68	0.00179	2	1	33.3	0
P12163_2_F1,8686	R.GLNATSETR.A	1252.68	0.00451	2	1	32.9	0
P12163_2_F1,9590	R.GLNATSETR.A	1252.68	0.00207	2	1	32.7	0
P12163_2_F4,8020	R.GLNATSETR.A	1252.68	0.00089	2	1	26.3	0
P12163_1_F3,22005	K.AFGMELLR.K	1240.702	0.0023	2	1	30.3	0
P12163_1_F3,21394	K.FELLER.G ! K.FELLER.	1110.646	0.00149	2	1	29.2	0
P12163_1_F4,22123	K.FELLER.G ! K.FELLER.	1110.646	0.00217	2	1	30.3	0
P12163_2_F1,21494	K.FELLER.G ! K.FELLER.	1110.646	0.00209	2	1	27.2	0
P12163_1_F4,17802	K.FYTECLGM*K.L ! R.FY	1772.917	0.00416	3	1	40.7	0
P12163_1_F5,16540	K.FYTECLGM*K.L ! R.FY	1772.917	0.00551	2	1	29.9	0
P12163_1_F5,18642	K.FYTECLGM*K.L ! R.FY	1772.917	0.00746	3	1	25.5	0
P12163_1_F9,16749	K.FYTECLGM*K.L ! R.FY	1772.917	0.00681	2	1	29.6	0
P12163_2_F1,16917	K.FYTECLGM*K.L ! R.FY	1772.917	0.00632	3	1	35.4	0
P12163_2_F8_12070	K.FYTECLGM*K.L ! R.FY	1772.917	0.00395	3	1	38.6	0
P12163_2_F8_12070	K.FYTECLGM*K.L ! R.FY	1772.917	0.00683	3	1	23.2	0
P12163_2_F9,15888	K.FYTECLGM*K.L ! R.FY	1772.917	0.00656	3	1	38.4	0
P12163_2_F9,17487	K.FYTECLGM*K.L ! R.FY	1772.917	0.00746	3	1	41.3	0
P12163_1_F4,19484	K.FYTECLGMK.L ! R.FY	1756.922	0.00882	3	1	30.3	0
P12163_1_F4,19589	K.FYTECLGMK.L ! R.FY	1756.922	0.01355	2	1	39.5	0
P12163_1_F4,19691	K.FYTECLGMK.L ! R.FY	1756.922	0.00849	3	1	30.9	0
P12163_1_F4,19771	K.FYTECLGMK.L ! R.FY	1756.922	0.00917	2	1	38.6	0
P12163_1_F4,19872	K.FYTECLGMK.L ! R.FY	1756.922	0.00576	3	1	30.3	0
P12163_1_F4,19959	K.FYTECLGMK.L ! R.FY	1756.922	0.00839	2	1	40.5	0
P12163_1_F4,20158	K.FYTECLGMK.L ! R.FY	1756.922	0.00756	3	1	25.5	0
P12163_1_F5,18583	K.FYTECLGMK.L ! R.FY	1756.922	0.00941	3	1	25.2	0
P12163_1_F6,18823	K.FYTECLGMK.L ! R.FY	1756.922	0.01364	3	1	28.2	0
P12163_1_F7,17567	K.FYTECLGMK.L ! R.FY	1756.922	0.00138	3	1	27.6	0
P12163_1_F9,18344	K.FYTECLGMK.L ! R.FY	1756.922	0.0054	3	1	30.8	0
P12163_1_F9,18377	K.FYTECLGMK.L ! R.FY	1756.922	0.00599	2	1	36.4	0
P12163_2_F1,18826	K.FYTECLGMK.L ! R.FY	1756.922	0.00869	3	1	28.4	0
P12163_2_F1,18827	K.FYTECLGMK.L ! R.FY	1756.922	0.00685	2	1	40	0
P12163_2_F1,19067	K.FYTECLGMK.L ! R.FY	1756.922	0.00644	3	1	30.9	0
P12163_2_F1,19070	K.FYTECLGMK.L ! R.FY	1756.922	0.00751	2	1	40.2	0
P12163_2_F1,19257	K.FYTECLGMK.L ! R.FY	1756.922	0.00552	3	1	30.6	0
P12163_2_F1,19280	K.FYTECLGMK.L ! R.FY	1756.922	0.00899	2	1	30.7	0
P12163_2_F8_12070	K.FYTECLGMK.L ! R.FY	1756.922	0.00805	2	1	25.1	0
P12163_2_F9,17438	K.FYTECLGMK.L ! R.FY	1756.922	0.00739	2	1	41	0
P12163_2_F9,17489	K.FYTECLGMK.L ! R.FY	1756.922	0.00684	3	1	24.2	0
P12163_2_S5,17186	K.FYTECLGMK.L ! R.FY	1756.922	0.00135	3	1	28.7	0
P12163_1_F2,18181	K.GGNTVIAFIEDPDGYK	2304.233	0.00531	3	1	48.9	0
P12163_1_F2,23101	K.GGNTVIAFIEDPDGYK	2304.233	0.0057	3	1	51.4	0
P12163_1_F8,22999	K.GGNTVIAFIEDPDGYK	2304.233	0.00525	3	1	35.2	0
P12163_1_S1,17411	K.GGNTVIAFIEDPDGYK	2304.233	0.00452	4	1	30.9	0
P12163_1_S1,22536	K.GGNTVIAFIEDPDGYK	2304.233	-0.00038	2	1	73.9	0
P12163_1_S1,22542	K.GGNTVIAFIEDPDGYK	2304.233	0.00351	4	1	45.7	0
P12163_1_S1,22666	K.GGNTVIAFIEDPDGYK	2304.233	0.00693	3	1	45.1	0
P12163_1_F2,16829	K.GNAYAQIAIGTDDVYF	2307.244	0.0053	3	1	24.7	0
P12163_1_F3,17297	K.GNAYAQIAIGTDDVYF	2307.244	0.0036	2	1	42.8	0
P12163_1_F3,19117	K.GNAYAQIAIGTDDVYF	2307.244	0.00779	3	1	60.6	0
P12163_1_F3,19216	K.GNAYAQIAIGTDDVYF	2307.244	0.00114	2	1	82.9	0

P12163_1_F3,19397	K.GNAYAQIAIGTDDVYF	2307.244	0.00644	3	1	27.1	0
P12163_1_F6,18353	K.GNAYAQIAIGTDDVYF	2307.244	0.00278	3	1	41.9	0
P12163_1_F8,18625	K.GNAYAQIAIGTDDVYF	2307.244	0.00476	3	1	32.2	0
P12163_2_F6,16358	K.GNAYAQIAIGTDDVYF	2307.244	0.00818	3	1	33.4	0
P12163_2_F6,18196	K.GNAYAQIAIGTDDVYF	2307.244	-0.01036	3	1	29.2	0
P12163_2_F6,18234	K.GNAYAQIAIGTDDVYF	2307.244	-0.00818	2	1	45.2	0
P12163_2_F7,16671	K.GNAYAQIAIGTDDVYF	2307.244	-0.00064	3	1	56.3	0
P12163_2_F8_12070	K.GNAYAQIAIGTDDVYF	2307.244	0.00584	3	1	24	0
P12163_1_F3,20876	K.ITACLDPDGWK.T ! K.I	1884.015	0.00686	2	1	39.7	0
P12163_1_F3,20903	K.ITACLDPDGWK.T ! K.I	1884.015	0.00327	3	1	46.3	0
P12163_1_F4,21590	K.ITACLDPDGWK.T ! K.I	1884.015	0.01034	2	1	40.1	0
P12163_1_F4,16634	K.TVELIK.A ! R.TVELLK	1310.85	0.00644	2	1	24.4	0
P12163_1_F5,15405	K.TVELIK.A ! R.TVELLK	1310.85	0.00458	2	1	24.4	0
P12163_2_F1,15590	K.TVELIK.A ! R.TVELLK	1310.85	0.00536	2	1	24.3	0
P12163_1_F2,21903	K.TVFVDNVDFLK.E	1905.094	-0.00006	3	1	25.8	0
P12163_1_F2,22659	K.TVFVDNVDFLK.E	1905.094	0.00744	3	1	41.8	0
P12163_1_F3,20536	K.TVFVDNVDFLK.E	1905.094	0.00681	3	1	36.4	0
P12163_1_F3,23392	K.TVFVDNVDFLK.E	1905.094	0.00329	2	1	75	0
P12163_1_F3,23409	K.TVFVDNVDFLK.E	1905.094	0.00789	3	1	55	0
P12163_1_F3,23631	K.TVFVDNVDFLK.E	1905.094	0.00565	2	1	75.3	0
P12163_1_F3,23642	K.TVFVDNVDFLK.E	1905.094	0.00567	3	1	57.6	0
P12163_1_F4,24307	K.TVFVDNVDFLK.E	1905.094	0.00315	2	1	49	0
P12163_1_F5,22251	K.TVFVDNVDFLK.E	1905.094	0.00255	3	1	28	0
P12163_1_F5,22484	K.TVFVDNVDFLK.E	1905.094	0.00054	3	1	25.6	0
P12163_1_F5,22698	K.TVFVDNVDFLK.E	1905.094	0.00435	3	1	46.1	0
P12163_1_F6,21837	K.TVFVDNVDFLK.E	1905.094	-0.00126	3	1	39.7	0
P12163_1_F6,21885	K.TVFVDNVDFLK.E	1905.094	-0.00137	2	1	58.9	0
P12163_1_F6,22040	K.TVFVDNVDFLK.E	1905.094	-0.00066	3	1	33.4	0
P12163_1_F7,21627	K.TVFVDNVDFLK.E	1905.094	0.00348	3	1	32.4	0
P12163_1_S1,20729	K.TVFVDNVDFLK.E	1905.094	0.00663	3	1	56.8	0
P12163_1_S1,20793	K.TVFVDNVDFLK.E	1905.094	0.00387	2	1	39.9	0
P12163_1_F7,19173	K.YDIGTGFGHFGIAVDD	2590.376	0.00087	3	1	31.3	0
P12163_1_F7,20886	K.YDIGTGFGHFGIAVDD	2590.376	0.00432	4	1	25.2	0
P12163_1_F3,15410	K.YTIAM*M*GYGPEDK.	2116.055	0.00744	3	1	31.2	0
P12163_2_F7,17675	K.YTIAM*M*GYGPEDK.	2116.055	0.00822	3	1	46.4	0
P12163_1_F3,18005	K.YTIAM*M*GYGPEDK.N	2100.06	0.00507	3	1	58.8	0
P12163_2_F7,17677	K.YTIAM*M*GYGPEDK.N	2100.06	0.00732	3	1	44.6	0
P12163_1_F3,17976	K.YTIAMM*GYGPEDK.N	2100.06	0.00321	2	1	52.4	0
P12163_1_F3,20385	K.YTIAMM*GYGPEDK.N	2100.06	0.01173	3	1	42.2	0
P12163_1_F3,20408	K.YTIAMM*GYGPEDK.N	2100.06	0.00447	2	1	51.2	0
P12163_1_F3,20363	K.YTIAMM*GYGPEDK.N	2084.065	0.00751	3	1	51.8	0
P12163_1_F3,20365	K.YTIAMM*GYGPEDK.N	2084.065	0.00447	2	1	70.4	0
P12163_1_F6,19416	K.YTIAMM*GYGPEDK.N	2084.065	0.00241	3	1	31.9	0
P12163_1_F9,19440	K.YTIAMM*GYGPEDK.N	2084.065	0.00339	2	1	26.3	0
P12163_2_F7,17697	K.YTIAMM*GYGPEDK.N	2084.065	0.00009	2	1	32.7	0
P12163_1_F3,16385	R.EPGPLPGINTK.I	1731.026	0.00728	2	1	29.2	0
P12163_1_F3,16406	R.EPGPLPGINTK.I	1731.026	0.00706	3	1	42.5	0
P12163_1_F3,16742	R.EPGPLPGINTK.I	1731.026	0.0058	3	1	26.4	0
P12163_1_F3,17151	R.EPGPLPGINTK.I	1731.026	0.00475	3	1	30.6	0
P12163_1_F3,17186	R.EPGPLPGINTK.I	1731.026	0.00696	2	1	28.6	0
P12163_1_F3,17690	R.EPGPLPGINTK.I	1731.026	0.01036	2	1	37.7	0

P12163_1_F4,16907	R.EPGPLPGINTK.I	1731.026	0.00409	3	1	33.2	0
P12163_1_F5,15589	R.EPGPLPGINTK.I	1731.026	0.0054	2	1	33.5	0
P12163_1_F6,15664	R.EPGPLPGINTK.I	1731.026	0.00148	3	1	24.9	0
P12163_2_F1,16055	R.EPGPLPGINTK.I	1731.026	0.00818	2	1	33.7	0
P12163_2_F4,14558	R.EPGPLPGINTK.I	1731.026	0.00151	3	1	25.4	0
P12163_2_F4,14582	R.EPGPLPGINTK.I	1731.026	0	2	1	27.8	0
P12163_2_S3,13251	R.EPGPLPGINTK.I	1731.026	-0.00287	3	1	34.6	0
P12163_2_F1,9192	R.EPGPVK.G	1234.762	0.00276	3	1	23.8	0
P12163_2_F1,9767	R.EPGPVK.G	1234.762	0.00642	3	1	26.9	0
P12163_2_S5,8461	R.EPGPVK.G	1234.762	0.00102	3	1	26.2	0
P12163_1_S1,17533	R.GPTPEPLCQVMLR.V	1801.961	0.00431	3	1	48.2	0
P12163_1_S1,18749	R.GPTPEPLCQVMLR.V	1801.961	0.00908	2	1	25.6	0
P12163_1_S1,18757	R.GPTPEPLCQVMLR.V	1801.961	0.00356	3	1	45.1	0
P12163_1_S1,18966	R.GPTPEPLCQVMLR.V	1801.961	0.00608	3	1	48.4	0
P12163_1_F5,11148	R.M*LHV VYR.V	1237.703	0.00188	3	1	25.7	0
P12163_1_F9,12145	R.M*LHV VYR.V	1237.703	0.00138	3	1	26	0
P12163_1_F9,15306	R.M*LHV VYR.V	1237.703	0.00552	3	1	25.9	0
P12163_1_S10,1538	R.M*LHV VYR.V	1237.703	0.0053	3	1	23.7	0
P12163_2_F4,11177	R.M*LHV VYR.V	1237.703	0.0044	3	1	28.4	0
P12163_2_F4,14461	R.M*LHV VYR.V	1237.703	0.00372	3	1	24.1	0
P12163_2_F9,14317	R.M*LHV VYR.V	1237.703	0.00165	3	1	23.3	0
P12163_1_F9,15291	R.MLHV VYR.V	1221.708	0.00285	3	1	35.1	0
P12163_2_F10,1396	R.MLHV VYR.V	1221.708	0.00042	3	1	22.1	0
P12163_2_F4,14426	R.MLHV VYR.V	1221.708	0.00501	3	1	31	0
P12163_2_F7,13894	R.MLHV VYR.V	1221.708	0.00225	3	1	25.4	0
P12163_2_F9,14286	R.MLHV VYR.V	1221.708	0.00243	3	1	31.7	0
P12163_2_F9,14499	R.MLHV VYR.V	1221.708	0.00267	3	1	32	0
P12163_1_F5,15677	R.SINFYEK.A ! R.SINFYE	1508.857	0.00849	2	1	42.9	0
P12163_1_F7,15421	R.SINFYEK.A ! R.SINFYE	1508.857	0.00661	2	1	24.5	0
P12163_1_F9,15952	R.SINFYEK.A ! R.SINFYE	1508.857	0.00585	2	1	31.3	0
P12163_1_S10,1588	R.SINFYEK.A ! R.SINFYE	1508.857	0.00706	3	1	27.7	0
P12163_2_F2,16426	R.SINFYEK.A ! R.SINFYE	1508.857	0.00508	3	1	26	0
P12163_2_F2,16589	R.SINFYEK.A ! R.SINFYE	1508.857	0.00591	2	1	29.6	0
P12163_2_S5,14745	R.SINFYEK.A ! R.SINFYE	1508.857	-0.00029	3	1	25.2	0
P12163_2_F7,6136	K.AEDEEHK.K	1465.774	0.00422	2	1	26.2	0
P12163_1_F7,11571	K.ATAGDTHLGGEDFDN	1979.936	0.00221	3	1	31.1	0
P12163_1_F8,9335	K.ATAGDTHLGGEDFDN	1979.936	0.00154	4	1	32.9	0
P12163_1_F8,10350	K.ATAGDTHLGGEDFDN	1979.936	0.00474	4	1	44.7	0
P12163_1_F8,10358	K.ATAGDTHLGGEDFDN	1979.936	0.00495	2	1	39	0
P12163_1_F8,10594	K.ATAGDTHLGGEDFDN	1979.936	0.00784	3	1	35.8	0
P12163_1_F8,10598	K.ATAGDTHLGGEDFDN	1979.936	0.00085	2	1	45.7	0
P12163_1_F8,10606	K.ATAGDTHLGGEDFDN	1979.936	0.0029	4	1	38.9	0
P12163_1_F8,12056	K.ATAGDTHLGGEDFDN	1979.936	0.00302	3	1	55.8	0
P12163_1_F8,12232	K.ATAGDTHLGGEDFDN	1979.936	0.00173	2	1	44.6	0
P12163_2_F9,11279	K.ATAGDTHLGGEDFDN	1979.936	0.00163	3	1	61.8	0
P12163_2_S5,9391	K.ATAGDTHLGGEDFDN	1979.936	0.00354	4	1	35.8	0
P12163_2_S5,10362	K.ATAGDTHLGGEDFDN	1979.936	0.00242	4	1	55.1	0
P12163_2_S5,10365	K.ATAGDTHLGGEDFDN	1979.936	0.00311	3	1	39.6	0
P12163_2_S5,10368	K.ATAGDTHLGGEDFDN	1979.936	0.01013	2	1	35	0
P12163_2_S5,10564	K.ATAGDTHLGGEDFDN	1979.936	0.00286	4	1	37.9	0
P12163_2_S5,11889	K.ATAGDTHLGGEDFDN	1979.936	0.0021	4	1	49.3	0

P12163_2_S5,11953	K.ATAGDTHLGGEDFDN	1979.936	-0.00161	3	1	41	0
P12163_1_F5,11319	K.CMEPVEK.C	1500.801	0.00642	2	1	25.4	0
P12163_1_S1,19382	K.DAGVIAGLNVMR.I	1519.857	0.00158	3	1	52.4	0
P12163_1_S1,19420	K.DAGVIAGLNVMR.I	1519.857	0.00348	2	1	42.7	0
P12163_1_F3,20353	K.ELESICNPIIAK.M	1995.14	0.00225	2	1	69.9	0
P12163_1_F3,20364	K.ELESICNPIIAK.M	1995.14	0.00408	3	1	58	0
P12163_1_F4,12357	K.MVQEAEK.Y ! R.MVQI	1442.813	0.00599	2	1	28.1	0
P12163_1_F5,10859	K.MVQEAEK.Y ! R.MVQI	1442.813	0.00519	2	1	26.8	0
P12163_1_F5,10908	K.MVQEAEK.Y ! R.MVQI	1442.813	0.00899	3	1	35.2	0
P12163_1_F6,11909	K.MVQEAEK.Y ! R.MVQI	1442.813	0.00945	2	1	30.4	0
P12163_2_F1,11370	K.MVQEAEK.Y ! R.MVQI	1442.813	0.00503	2	1	27.8	0
P12163_2_F1,11390	K.MVQEAEK.Y ! R.MVQI	1442.813	0.00722	3	1	39.8	0
P12163_1_F3,17989	K.NALENYAYNMR.N	1662.821	0.00301	2	1	33.4	0
P12163_1_F9,17110	K.NALENYAYNMR.N	1662.821	-0.00229	2	1	36.7	0
P12163_2_F1,17641	K.NALENYAYNMR.N	1662.821	0.00091	2	1	31.7	0
P12163_2_F9,16815	K.NALENYAYNMR.N	1662.821	0.00245	2	1	38.5	0
P12163_2_F9,16832	K.NALENYAYNMR.N	1662.821	0.00103	3	1	34	0
P12163_1_F8,18778	K.NAVVTVPAYFNDSQR	1985.039	-0.00348	2	1	30.4	0
P12163_1_F8,18854	K.NAVVTVPAYFNDSQR	1985.039	0.00299	3	1	33.4	0
P12163_1_S1,17806	K.NAVVTVPAYFNDSQR	1985.039	0.01346	2	1	36.9	0
P12163_1_S1,17812	K.NAVVTVPAYFNDSQR	1985.039	0.00257	3	1	27.2	0
P12163_2_F6,18372	K.NAVVTVPAYFNDSQR	1985.039	0.00464	2	1	47.4	0
P12163_2_F6,18440	K.NAVVTVPAYFNDSQR	1985.039	-0.00088	3	1	39.9	0
P12163_1_F3,12540	K.NQVAM*NPTNTVFDA	2274.201	0.00524	3	1	58	0
P12163_1_F3,15916	K.NQVAM*NPTNTVFDA	2274.201	0.00051	2	1	33.5	0
P12163_1_F3,15954	K.NQVAM*NPTNTVFDA	2274.201	0.00734	3	1	61.1	0
P12163_1_F3,17841	K.NQVAM*NPTNTVFDA	2274.201	0.00563	3	1	30.2	0
P12163_1_F3,14508	K.NQVAMNPTNTVFDAK	2258.206	0.01079	3	1	49.6	0
P12163_1_F3,14558	K.NQVAMNPTNTVFDAK	2258.206	0.01558	2	1	34.2	0
P12163_1_F3,17827	K.NQVAMNPTNTVFDAK	2258.206	0.00496	2	1	47.3	0
P12163_1_F3,17835	K.NQVAMNPTNTVFDAK	2258.206	0.00581	3	1	56.6	0
P12163_2_F1,17715	K.NQVAMNPTNTVFDAK	2258.206	0.0086	3	1	31.2	0
P12163_2_F1,17732	K.NQVAMNPTNTVFDAK	2258.206	0.0022	2	1	39.1	0
P12163_1_F3,25377	K.QFAAEEISSMVLIK.M	2174.235	0.00592	3	1	49.2	0
P12163_1_F7,13495	K.STVHDVVLVGGSTR.I	1730.97	0.00262	3	1	31.4	0
P12163_1_F7,13515	K.STVHDVVLVGGSTR.I	1730.97	0.00321	2	1	55.8	0
P12163_1_F8,14064	K.STVHDVVLVGGSTR.I	1730.97	0.00271	3	1	25.2	0
P12163_1_F8,14080	K.STVHDVVLVGGSTR.I	1730.97	0.00279	2	1	53.7	0
P12163_1_S1,23194	R.FEELNM*DLFR.K	1633.82	0.00103	3	1	40.2	0
P12163_1_S1,23396	R.FEELNM*DLFR.K	1633.82	0.00348	2	1	42.5	0
P12163_1_S1,23417	R.FEELNM*DLFR.K	1633.82	0.00235	3	1	57.6	0
P12163_1_F2,22404	R.IINEPTAAAIAAYGLDK.I	2268.306	0.00735	3	1	45.2	0
P12163_1_F4,23908	R.IINEPTAAAIAAYGLDK.I	2268.306	0.00405	3	1	59.2	0
P12163_1_F5,22034	R.IINEPTAAAIAAYGLDK.I	2268.306	0.00048	3	1	35.6	0
P12163_1_F8,22408	R.IINEPTAAAIAAYGLDK.I	2268.306	0.00681	3	1	49.7	0
P12163_1_S1,21321	R.IINEPTAAAIAAYGLDK.I	2268.306	0.00492	3	1	53.3	0
P12163_1_S1,21346	R.IINEPTAAAIAAYGLDK.I	2268.306	-0.00297	2	1	75.2	0
P12163_1_S1,21375	R.IINEPTAAAIAAYGLDK.I	2268.306	0.00752	4	1	61	0
P12163_1_S1,21490	R.IINEPTAAAIAAYGLDK.I	2268.306	0.0003	3	1	54.8	0
P12163_1_S10,2039	R.IINEPTAAAIAAYGLDK.I	2268.306	0.00414	3	1	22.1	0
P12163_1_F9,17016	R.M*VNHFVQEFK.R	1903.036	0.00793	2	1	24.1	0

P12163_1_F9,19653	R.M*VNHFVQEFK.R	1903.036	0.00674	3	1	24.3	0
P12163_1_F9,20038	R.M*VNHFVQEFK.R	1903.036	0.00752	3	1	26.5	0
P12163_2_F7,15183	R.M*VNHFVQEFK.R	1903.036	0.00599	3	1	42	0
P12163_2_F9,19029	R.MVNHFVQEFK.R	1887.041	0.01061	3	1	33	0
P12163_2_F9,19097	R.MVNHFVQEFK.R	1887.041	0.00653	3	1	33	0
P12163_1_S1,14498	R.VEIIANDQGNR.I ! R.VI	1532.833	0.00335	2	1	30.8	0
P12163_1_S1,14657	R.VEIIANDQGNR.I ! R.VI	1532.833	0.00328	3	1	71.6	0
P12163_1_S1,14739	R.VEIIANDQGNR.I ! R.VI	1532.833	0.00397	2	1	33.7	0
P12163_1_S1,14901	R.VEIIANDQGNR.I ! R.VI	1532.833	0.00187	3	1	69.2	0
P12163_1_S1,14978	R.VEIIANDQGNR.I ! R.VI	1532.833	0.00507	2	1	32	0
P12163_1_S10,199	R.VEIIANDQGNR.I ! R.VI	1532.833	0.00184	3	1	35.4	0
P12163_1_S10,276	R.VEIIANDQGNR.I ! R.VI	1532.833	0.00555	2	1	29.8	0
P12163_1_F9,10048	K.HEQELQAPQK.I	1816.017	0.00471	2	1	40.3	0
P12163_2_F9,9877	K.HEQELQAPQK.I	1816.017	0.00983	3	1	25.3	0
P12163_1_F2,23628	K.LADELGFPVM*IK.A	1957.129	0.00359	3	1	28.3	0
P12163_1_F3,24618	K.LADELGFPVM*IK.A	1957.129	-0.00211	3	1	36.1	0
P12163_1_F3,24620	K.LADELGFPVM*IK.A	1957.129	-0.00071	2	1	26.3	0
P12163_1_F3,26146	K.LADELGFPVM*IK.A	1957.129	0.0023	3	1	37.6	0
P12163_1_F3,26108	K.LADELGFPVMIK.A	1941.134	0.01235	3	1	26.9	0
P12163_1_F3,26113	K.LADELGFPVMIK.A	1941.134	0.00507	2	1	43.7	0
P12163_1_F3,25336	K.LILDVEDFK.N	1700.009	0.00519	3	1	37.7	0
P12163_1_F3,25342	K.LILDVEDFK.N	1700.009	0.00831	2	1	53.8	0
P12163_1_F8,14619	K.QEDIVLQGHSIECR.I	1988.017	0.0048	3	1	31.9	0
P12163_1_F8,14648	K.QEDIVLQGHSIECR.I	1988.017	-0.00146	2	1	39.8	0
P12163_2_F6,14116	K.QEDIVLQGHSIECR.I	1988.017	0.00534	3	1	31.5	0
P12163_2_S5,13930	K.QEDIVLQGHSIECR.I	1988.017	0.00408	3	1	28.1	0
P12163_1_F3,16915	K.SEAAAAFGNDGVYLE	2250.186	0.00339	3	1	40.9	0
P12163_1_F3,16983	K.SEAAAAFGNDGVYLE	2250.186	0.0016	2	1	38.4	0
P12163_1_F3,19247	K.SEAAAAFGNDGVYLE	2250.186	0.00561	3	1	63.3	0
P12163_1_F3,19288	K.SEAAAAFGNDGVYLE	2250.186	0.00288	2	1	73.5	0
P12163_1_F6,18403	K.SEAAAAFGNDGVYLE	2250.186	0.00549	3	1	28.7	0
P12163_1_S1,17597	K.SEAAAAFGNDGVYLE	2250.186	0.00483	3	1	63.2	0
P12163_2_F6,18373	K.SEAAAAFGNDGVYLE	2250.186	0.00066	2	1	64.1	0
P12163_2_F6,18416	K.SEAAAAFGNDGVYLE	2250.186	0.00546	3	1	39.2	0
P12163_1_F3,18355	K.VDTAFIPK.H	1498.909	0.00393	2	1	30	0
P12163_1_F7,16570	K.VDTAFIPK.H	1498.909	-0.00014	3	1	26.5	0
P12163_2_F4,16177	K.VDTAFIPK.H	1498.909	0.00043	3	1	29.2	0
P12163_2_F4,16271	K.VDTAFIPK.H	1498.909	0.00189	2	1	29.3	0
P12163_1_F5,14337	K.YGNVVHFGER.D	1481.78	0.00589	3	1	28.5	0
P12163_1_F6,15182	K.YGNVVHFGER.D	1481.78	-0.00359	3	1	40.2	0
P12163_1_F6,15193	K.YGNVVHFGER.D	1481.78	0.0025	2	1	27.1	0
P12163_1_F9,14810	K.YGNVVHFGER.D	1481.78	0.00205	3	1	29.6	0
P12163_1_F9,14824	K.YGNVVHFGER.D	1481.78	0.00348	2	1	31.3	0
P12163_2_F4,13968	K.YGNVVHFGER.D	1481.78	0.00232	3	1	31.6	0
P12163_2_F7,13517	K.YGNVVHFGER.D	1481.78	0.0028	3	1	23.5	0
P12163_2_F7,13578	K.YGNVVHFGER.D	1481.78	0.00262	2	1	28.1	0
P12163_2_F9,14180	K.YGNVVHFGER.D	1481.78	0.00043	3	1	31.2	0
P12163_2_F9,14221	K.YGNVVHFGER.D	1481.78	0.0024	2	1	35.1	0
P12163_2_S5,14469	K.YGNVVHFGER.D	1481.78	0.00265	3	1	25.8	0
P12163_1_F6,20254	R.ALNDTIITGVPTTIEYH	2594.465	0.00635	3	1	36.5	0
P12163_1_S10,1871	R.ALNDTIITGVPTTIEYH	2594.465	0.0098	3	1	22	0

P12163_2_F10,1762	R.ALNDTIITGVPTTIEYH	2594.465	0.00542	3	1	57.1	0
P12163_2_F10,1774	R.ALNDTIITGVPTTIEYH	2594.465	-0.01274	4	1	40.8	0
P12163_1_F6,17525	R.EHGINFIGPNPDSIR.I	1970.04	0.01222	3	1	29.2	0
P12163_1_F8,14963	R.EHGINFIGPNPDSIR.I	1970.04	0.00427	3	1	57.8	0
P12163_1_F8,17163	R.EHGINFIGPNPDSIR.I	1970.04	0.00103	3	1	35	0
P12163_1_F8,17180	R.EHGINFIGPNPDSIR.I	1970.04	0.00696	2	1	49.6	0
P12163_2_F6,14357	R.EHGINFIGPNPDSIR.I	1970.04	0.00339	4	1	38.9	0
P12163_2_F6,14388	R.EHGINFIGPNPDSIR.I	1970.04	0.00343	3	1	35.8	0
P12163_2_F6,16558	R.EHGINFIGPNPDSIR.I	1970.04	-0.0029	3	1	44.5	0
P12163_2_F6,16580	R.EHGINFIGPNPDSIR.I	1970.04	-0.00006	2	1	33.2	0
P12163_2_F6,16760	R.EHGINFIGPNPDSIR.I	1970.04	0.00472	3	1	63	0
P12163_2_F6,16770	R.EHGINFIGPNPDSIR.I	1970.04	-0.00006	2	1	46.9	0
P12163_2_F6,17065	R.EHGINFIGPNPDSIR.I	1970.04	-0.00029	3	1	29.3	0
P12163_2_F1,18496	R.GSFYFM*EMNTR.I	1702.787	0.00255	2	1	30.9	0
P12163_1_F3,19579	R.GSFYFMEMNTR.I	1686.792	0.00289	3	1	30	0
P12163_1_F3,21280	R.GSFYFMEMNTR.I	1686.792	0.00551	2	1	38.9	0
P12163_1_F8,17694	R.HIEFQVLADK.Y	1808.053	0.0039	3	1	28	0
P12163_1_F9,17483	R.HIEFQVLADK.Y	1808.053	0.00459	3	1	35.5	0
P12163_1_F9,17506	R.HIEFQVLADK.Y	1808.053	0.00236	4	1	28.8	0
P12163_1_F9,17511	R.HIEFQVLADK.Y	1808.053	0.00493	2	1	59.3	0
P12163_1_F9,17701	R.HIEFQVLADK.Y	1808.053	0.00405	3	1	32	0
P12163_1_S10,1730	R.HIEFQVLADK.Y	1808.053	0.00738	3	1	26.4	0
P12163_2_F7,15522	R.HIEFQVLADK.Y	1808.053	-0.00096	3	1	41.6	0
P12163_2_F9,16565	R.HIEFQVLADK.Y	1808.053	0.00676	4	1	23.3	0
P12163_2_F9,16580	R.HIEFQVLADK.Y	1808.053	0.0075	3	1	46.9	0
P12163_1_F5,16801	R.INAEDPFK.N	1541.878	0.00904	2	1	26.1	0
P12163_2_F1,17062	R.INAEDPFK.N	1541.878	0.00552	2	1	25.5	0
P12163_2_F1,17106	R.INAEDPFK.N	1541.878	0.00441	3	1	25.2	0
P12163_2_S5,15600	R.INAEDPFK.N	1541.878	-0.0003	3	1	29.9	0
P12163_1_S1,22566	R.ITAYLPAGGPFVR.M	1665.963	0.00116	2	1	26.6	0
P12163_1_S1,22699	R.ITAYLPAGGPFVR.M	1665.963	0.00198	3	1	34.7	0
P12163_2_F6,23280	R.ITAYLPAGGPFVR.M	1665.963	0.00144	3	1	23.4	0
P12163_1_F8,19523	R.TAHEMGIPCVAVYSTI	2600.367	0.00217	3	1	36.1	0
P12163_1_F8,19536	R.TAHEMGIPCVAVYSTI	2600.367	0.00346	4	1	22.1	0
P12163_2_F10,14010	R.YKQEDIVLQGHSECR.	2583.381	0.01296	3	1	46.7	0
P12163_1_F3,21890	K.AAWEELIDR.V	1406.758	0.0032	2	1	45.4	0
P12163_1_F5,16688	K.ATVPVWAK.M	1479.914	0.00656	3	1	24.8	0
P12163_2_F2,17458	K.ATVPVWAK.M	1479.914	0.00245	3	1	24.9	0
P12163_2_F2,17495	K.ATVPVWAK.M	1479.914	0.00803	2	1	28.8	0
P12163_1_F8,14121	K.AVHPIALGK.V	1513.967	0.00484	3	1	24.7	0
P12163_2_F10,1226	K.AVHPIALGK.V	1513.967	0.00064	3	1	24.3	0
P12163_2_F6,13524	K.AVHPIALGK.V	1513.967	0.00544	3	1	27.2	0
P12163_2_F7,12576	K.AVHPIALGK.V	1513.967	0.00433	3	1	36.2	0
P12163_2_F1,17443	K.DWTGDGFVK.E	1632.884	0.00272	3	1	28.3	0
P12163_1_F6,15873	K.M*HNFSSIEDFR.G	1702.816	0.00308	3	1	25.3	0
P12163_1_F6,17848	K.M*HNFSSIEDFR.G	1702.816	0.0035	3	1	36.7	0
P12163_1_F9,15486	K.M*HNFSSIEDFR.G	1702.816	0.00263	3	1	43.9	0
P12163_1_F9,17191	K.M*HNFSSIEDFR.G	1702.816	0.00068	3	1	30.6	0
P12163_1_S10,1600	K.M*HNFSSIEDFR.G	1702.816	0.00353	3	1	25.6	0
P12163_2_F7,13950	K.M*HNFSSIEDFR.G	1702.816	0.00095	3	1	51.6	0
P12163_2_F7,15287	K.M*HNFSSIEDFR.G	1702.816	0.00224	3	1	51.6	0

P12163_2_F9,15155	K.M*HNFSSIEDFR.G	1702.816	0.00191	3	1	28.4	0
P12163_1_F2,10293	K.MGAAVGQDCR.L	1368.667	0.00245	2	1	37	0
P12163_1_F3,10558	K.MGAAVGQDCR.L	1368.667	0.00439	2	1	37.4	0
P12163_1_F6,17837	K.MHNFSSIEDFR.G	1686.821	0.0063	3	1	36.1	0
P12163_1_F9,17152	K.MHNFSSIEDFR.G	1686.821	0.0066	3	1	45.9	0
P12163_1_F9,17170	K.MHNFSSIEDFR.G	1686.821	-0.00738	2	1	41.6	0
P12163_2_F7,15285	K.MHNFSSIEDFR.G	1686.821	0.00054	3	1	42.5	0
P12163_2_F9,16807	K.MHNFSSIEDFR.G	1686.821	0.00069	3	1	25.5	0
P12163_2_S5,17018	K.MHNFSSIEDFR.G	1686.821	0.0054	3	1	45.2	0
P12163_1_F8,13471	K.TLRPEPCVEGYSTPGG	2866.432	0.0067	4	1	26.5	0
P12163_1_F8,14944	K.TLRPEPCVEGYSTPGG	2866.432	0.00465	3	1	30.1	0
P12163_1_F8,14957	K.TLRPEPCVEGYSTPGG	2866.432	0.00718	4	1	29.9	0
P12163_2_F10,1277	K.TLRPEPCVEGYSTPGG	2866.432	0.0065	4	1	35.9	0
P12163_2_F10,1385	K.TLRPEPCVEGYSTPGG	2866.432	0.00534	3	1	41.1	0
P12163_1_F4,14025	K.TVSLDAAK.V	1412.857	0.0059	3	1	25.5	0
P12163_2_F1,13003	K.TVSLDAAK.V	1412.857	0.00212	3	1	24.5	0
P12163_2_F1,13016	K.TVSLDAAK.V	1412.857	0.00477	2	1	31.1	0
P12163_1_F3,12977	K.VINVTPR.Y	1102.689	0.00454	3	1	24.9	0
P12163_2_F4,295	K.VM*SIAM	1272.781	0.0076	3	1	24.7	0
P12163_2_F1,15233	K.VMSIAM	1256.786	0.00454	3	1	24.8	0
P12163_1_F3,20905	R.AFDEGWGAVVAK.T	1858.032	0.00402	3	1	37.5	0
P12163_1_F4,21579	R.AFDEGWGAVVAK.T	1858.032	0.00795	3	1	37.1	0
P12163_1_F4,21608	R.AFDEGWGAVVAK.T	1858.032	-0.00016	2	1	32.2	0
P12163_1_F4,21779	R.AFDEGWGAVVAK.T	1858.032	0.0054	3	1	44	0
P12163_1_F4,21835	R.AFDEGWGAVVAK.T	1858.032	0.01138	2	1	61.7	0
P12163_1_F6,20093	R.AFDEGWGAVVAK.T	1858.032	-0.00237	3	1	27.7	0
P12163_2_F1,21110	R.AFDEGWGAVVAK.T	1858.032	-0.00114	3	1	33.3	0
P12163_1_F7,14878	R.GASIEYFTTHTELVR.M	2028.07	0.00093	3	1	43.9	0
P12163_1_F7,19356	R.GASIEYFTTHTELVR.M	2028.07	0.00183	3	1	54.7	0
P12163_1_F7,19391	R.GASIEYFTTHTELVR.M	2028.07	0.00202	2	1	73.1	0
P12163_1_F8,20311	R.GASIEYFTTHTELVR.M	2028.07	0.00405	3	1	57.8	0
P12163_2_F10,1435	R.GASIEYFTTHTELVR.M	2028.07	0.00432	3	1	24.8	0
P12163_2_F10,1625	R.GASIEYFTTHTELVR.M	2028.07	0.00411	3	1	23.8	0
P12163_2_F10,1807	R.GASIEYFTTHTELVR.M	2028.07	0.00462	3	1	34.7	0
P12163_2_F10,1825	R.GASIEYFTTHTELVR.M	2028.07	0.00351	3	1	79.7	0
P12163_2_F4,18890	R.GASIEYFTTHTELVR.M	2028.07	0.0048	3	1	44.2	0
P12163_1_F3,23242	R.ILIASIM*EEYNK.A	2048.156	0.01281	3	1	32.2	0
P12163_1_F3,23253	R.ILIASIM*EEYNK.A	2048.156	0.00587	2	1	27.3	0
P12163_1_F3,26507	R.ILIASIM*EEYNK.A	2048.156	0.00483	3	1	43.8	0
P12163_1_F3,26471	R.ILIASIMEEYNK.A	2032.161	0.00309	3	1	37.7	0
P12163_1_F3,10198	R.M*QAEAIQQR.K	1451.758	0.00394	2	1	32.3	0
P12163_1_F3,10463	R.M*QAEAIQQR.K	1451.758	0.00404	2	1	26.9	0
P12163_2_F1,6969	R.M*QAEAIQQR.K	1451.758	0.0019	2	1	26.8	0
P12163_1_F5,20747	R.VEETGIDAIEVNFSCPH	2807.328	0.00689	3	1	69.2	0
P12163_1_F6,20629	R.VEETGIDAIEVNFSCPH	2807.328	-0.00294	3	1	57.7	0
P12163_1_F6,21327	R.VEETGIDAIEVNFSCPH	2807.328	0.00077	3	1	75	0
P12163_1_F6,21323	R.VEETGIDAIEVNFSCPH	2791.333	-0.00021	3	1	88.5	0
P12163_1_F3,21855	K.ELDYLVGAVSNPK.K	2013.148	0.00524	3	1	27.9	0
P12163_1_F3,23084	K.ELDYLVGAVSNPK.K	2013.148	0.00575	3	1	40.8	0
P12163_1_F3,23126	K.ELDYLVGAVSNPK.K	2013.148	0.0038	2	1	72.6	0
P12163_1_F3,23433	K.ELDYLVGAVSNPK.K	2013.148	0.01568	3	1	36.4	0

P12163_2_F7,19975	K.ELDYLVGAVSNPK.K	2013.148	0.0059	3	1	30.6	0
P12163_2_F1,11503	K.FAADANSK.V	1431.805	0.00586	3	1	24.2	0
P12163_1_F4,16934	K.FAAGTEAIAK.K	1586.936	0.0021	3	1	47.6	0
P12163_1_F5,15733	K.FAAGTEAIAK.K	1586.936	0.00147	2	1	46.2	0
P12163_2_F1,16081	K.FAAGTEAIAK.K	1586.936	0.00305	2	1	48.8	0
P12163_2_F1,16102	K.FAAGTEAIAK.K	1586.936	0.00531	3	1	49.1	0
P12163_2_F4,14627	K.FAAGTEAIAK.K	1586.936	0.00225	3	1	35.1	0
P12163_2_F7,19277	K.FLKPSVAGFLM*QK.E	2394.435	0.01504	3	1	23.2	0
P12163_1_F2,16437	K.GVTTHGGGDSVAAVE	2182.254	0.00519	3	1	52.8	0
P12163_1_F2,18546	K.GVTTHGGGDSVAAVE	2182.254	0.0054	3	1	52.9	0
P12163_1_F2,18639	K.GVTTHGGGDSVAAVE	2182.254	0.00535	2	1	72.6	0
P12163_1_F3,19208	K.GVTTHGGGDSVAAVE	2182.254	0.00801	3	1	43.6	0
P12163_1_F5,18050	K.GVTTHGGGDSVAAVE	2182.254	0.00501	3	1	73	0
P12163_1_F7,17774	K.GVTTHGGGDSVAAVE	2182.254	-0.00243	3	1	46	0
P12163_1_S1,14256	K.GVTTHGGGDSVAAVE	2182.254	0.01662	3	1	27.6	0
P12163_1_S1,17262	K.GVTTHGGGDSVAAVE	2182.254	0.00435	3	1	84.6	0
P12163_1_S1,17305	K.GVTTHGGGDSVAAVE	2182.254	0.00519	2	1	102	0
P12163_1_S1,17309	K.GVTTHGGGDSVAAVE	2182.254	0.00587	4	1	94.9	0
P12163_1_S1,17551	K.GVTTHGGGDSVAAVE	2182.254	0.00696	3	1	74.6	0
P12163_1_S10,17310	K.GVTTHGGGDSVAAVE	2182.254	0.00528	3	1	74.8	0
P12163_2_F9,15639	K.KPFAAIVGGSK.V	1987.247	0.00771	3	1	32.3	0
P12163_2_F1,16877	K.LAELSGK.G	1325.825	0.00509	3	1	22	0
P12163_2_F2,17308	K.LAELSGK.G	1325.825	0.00782	2	1	24.4	0
P12163_1_F4,13577	K.M*ANDCIGEEVEK.M	2018.998	0.00569	3	1	32.5	0
P12163_1_F7,16915	K.M*SHISTGGGASLELLI	2411.306	0.00865	3	1	26.3	0
P12163_1_F3,15037	K.MANDCIGEEVEK.M	2003.003	0.01478	2	1	24.5	0
P12163_1_F3,15061	K.MANDCIGEEVEK.M	2003.003	0.00659	3	1	26	0
P12163_1_F4,15445	K.MANDCIGEEVEK.M	2003.003	0.0011	2	1	43.3	0
P12163_1_F4,13194	K.SFSEALDTTK.T	1706.942	0.00589	3	1	33.1	0
P12163_1_F4,14939	K.SFSEALDTTK.T	1706.942	0.00619	3	1	23.1	0
P12163_1_F4,16898	K.SFSEALDTTK.T	1706.942	0.00502	3	1	32.1	0
P12163_1_F4,16913	K.SFSEALDTTK.T	1706.942	0.00772	2	1	41.7	0
P12163_2_F1,16116	K.SFSEALDTTK.T	1706.942	0.00346	3	1	42.7	0
P12163_1_F4,15095	K.VILSSHLGRPK.G	1815.142	0.00772	2	1	29.9	0
P12163_1_F6,14702	K.VILSSHLGRPK.G	1815.142	0.00798	3	1	22.2	0
P12163_2_F4,9456	K.YLM*GHGAK.V	1500.845	0.00414	3	1	29.8	0
P12163_1_F5,11469	K.YLMGHGAK.V	1484.85	0.00669	3	1	30.3	0
P12163_2_F4,11512	K.YLMGHGAK.V	1484.85	0.00468	3	1	26.2	0
P12163_1_F4,14637	R.AAVPTIK.H ! R.AAVPTI	1307.851	0.00683	3	1	28	0
P12163_1_F5,13135	R.AAVPTIK.H ! R.AAVPTI	1307.851	0.00884	3	1	29.6	0
P12163_2_F1,13618	R.AAVPTIK.H ! R.AAVPTI	1307.851	0.00683	3	1	28.6	0
P12163_2_F2,3791	R.AAVPTIK.H ! R.AAVPTI	1307.851	0.01148	3	1	27.9	0
P12163_2_S5,12124	R.AAVPTIK.H ! R.AAVPTI	1307.851	0.00107	3	1	27.9	0
P12163_1_F6,8324	R.AHASTEGVAK.F	1578.906	0.00425	3	1	50.6	0
P12163_1_F6,8354	R.AHASTEGVAK.F	1578.906	0.00212	2	1	50.3	0
P12163_1_F9,7890	R.AHASTEGVAK.F	1578.906	0.00626	3	1	22.6	0
P12163_2_F7,7492	R.AHASTEGVAK.F	1578.906	0.00632	3	1	23.1	0
P12163_2_F7,7505	R.AHASTEGVAK.F	1578.906	0.00446	2	1	25.4	0
P12163_2_S5,7984	R.AHASTEGVAK.F	1578.906	0.00394	2	1	34.4	0
P12163_2_S5,7994	R.AHASTEGVAK.F	1578.906	0.00509	3	1	54.9	0
P12163_1_F4,26114	R.ISELLGVEVK.M	1695.051	0.00377	3	1	35.6	0

P12163_1_F6,23641 R.LSELLGVEVK.M	1695.051	-0.00295	3	1	23.5	0
P12163_2_F1,25226 R.LSELLGVEVK.M	1695.051	0.00839	3	1	25.5	0
P12163_1_F2,15147 K.AQDYVCGLPAR.I	1553.805	0.00493	2	1	31.8	0
P12163_1_S1,14767 K.AQDYVCGLPAR.I	1553.805	0.00271	2	1	27.9	0
P12163_1_S10,7826 K.EHGDMK.L	1324.714	0.00558	3	1	26.1	0
P12163_1_F7,12581 K.ISM*PAHLM*YDGR.D	1726.856	0.00227	3	1	28.3	0
P12163_2_F6,12673 K.ISM*PAHLM*YDGR.D	1726.856	0.00161	3	1	23.2	0
P12163_1_F7,14523 K.ISM*PAHLMYDGR.D	1710.861	-0.00117	3	1	28.7	0
P12163_1_F8,15173 K.ISM*PAHLMYDGR.D	1710.861	0.00891	3	1	43.6	0
P12163_2_F6,14700 K.ISM*PAHLMYDGR.D	1710.861	-0.00132	3	1	51.3	0
P12163_1_F6,16449 K.ISMPAHLM*YDGR.D	1710.861	0.00153	3	1	25.9	0
P12163_1_F7,15605 K.ISMPAHLM*YDGR.D	1710.861	0.00144	3	1	41.7	0
P12163_1_F8,16367 K.ISMPAHLM*YDGR.D	1710.861	0.00345	3	1	38.2	0
P12163_1_F8,18364 K.ISMPAHLM*YDGR.D	1710.861	0.003	3	1	26.6	0
P12163_2_F9,15149 K.ISMPAHLM*YDGR.D	1710.861	0.00387	3	1	36.6	0
P12163_1_F6,18412 K.ISMPAHLMYDGR.D	1694.866	0.00054	3	1	37.6	0
P12163_1_F7,17429 K.ISMPAHLMYDGR.D	1694.866	-0.00051	3	1	24.6	0
P12163_1_F7,17575 K.ISMPAHLMYDGR.D	1694.866	0.00265	2	1	28.4	0
P12163_1_F8,18351 K.ISMPAHLMYDGR.D	1694.866	0.00072	3	1	40.8	0
P12163_2_F6,17859 K.ISMPAHLMYDGR.D	1694.866	-0.00201	3	1	45.1	0
P12163_2_F6,17876 K.ISMPAHLMYDGR.D	1694.866	0.00357	2	1	31.1	0
P12163_2_F9,16834 K.ISMPAHLMYDGR.D	1694.866	0.00288	3	1	35.6	0
P12163_2_S3,15812 K.ISMPAHLMYDGR.D	1694.866	0.00183	3	1	40.1	0
P12163_2_S5,16838 K.ISMPAHLMYDGR.D	1694.866	0.00291	3	1	47.1	0
P12163_2_S5,17060 K.ISMPAHLMYDGR.D	1694.866	0.00249	3	1	36.2	0
P12163_1_F3,19696 K.LAQICGTIASDEK.R	2014.11	0.00873	3	1	49.8	0
P12163_1_F8,18079 K.LAQICGTIASDEKR.H	2170.211	0.00415	3	1	32	0
P12163_2_F6,17573 K.LAQICGTIASDEKR.H	2170.211	0.00472	3	1	34.4	0
P12163_1_F4,15081 K.LTGLSGEGQK.A	1597.937	0.00499	2	1	30	0
P12163_2_F1,14029 K.LTGLSGEGQK.A	1597.937	0.00097	2	1	34.3	0
P12163_2_F1,14081 K.LTGLSGEGQK.A	1597.937	0.00068	3	1	28.5	0
P12163_1_S1,18784 K.TIQYLIGSGM*DPR.T	1770.936	0.00058	3	1	31.3	0
P12163_1_F4,15627 K.YLYLSGR.V	1175.673	0.00021	3	1	22.1	0
P12163_1_F5,10069 R.ATFISHGNTAR.L ! R.A	1478.802	0.0023	3	1	43.8	0
P12163_1_F9,9236 R.ATFISHGNTAR.L ! R.A	1478.802	0.00263	3	1	24.4	0
P12163_2_F10,9962 R.ATFISHGNTAR.L ! R.A	1478.802	-0.00205	3	1	30.7	0
P12163_2_F4,8682 R.ATFISHGNTAR.L ! R.A	1478.802	-0.00607	3	1	45.3	0
P12163_2_F4,10236 R.ATFISHGNTAR.L ! R.A	1478.802	0.00236	3	1	56	0
P12163_2_F7,6679 R.ATFISHGNTAR.L ! R.A	1478.802	0.0026	4	1	44.1	0
P12163_2_F7,8668 R.ATFISHGNTAR.L ! R.A	1478.802	-0.0001	3	1	30.8	0
P12163_2_F7,10328 R.ATFISHGNTAR.L ! R.A	1478.802	0.00302	3	1	24.1	0
P12163_2_F1,10937 R.AWTAEENR.H	1280.654	0.00378	2	1	25.8	0
P12163_1_F7,19207 R.DDNLFEHFSAVAQR.L	1952.977	0.00258	3	1	31.9	0
P12163_1_F8,10527 R.EVHVQVTHSM*PPQK.	2241.227	0.00286	4	1	29.8	0
P12163_1_F3,7862 R.HETAYTK.I	1457.821	0.00645	3	1	46.1	0
P12163_1_F4,8291 R.HETAYTK.I	1457.821	0.00639	3	1	29.8	0
P12163_1_F5,6763 R.HETAYTK.I	1457.821	0.00525	3	1	41	0
P12163_2_S5,8054 R.HETAYTK.I	1457.821	0.00654	3	1	27.4	0
P12163_1_F6,10889 R.HGDLLNK.Y	1404.842	0.00746	3	1	42.9	0
P12163_1_F7,10344 R.HGDLLNK.Y	1404.842	0.00047	3	1	34	0
P12163_1_S10,1178 R.HGDLLNK.Y	1404.842	0.00554	3	1	31.2	0

P12163_1_S10,1200.R.HGDLLNK.Y	1404.842	0.00467	3	1	29.7	0
P12163_2_F6,10839 R.HGDLLNK.Y	1404.842	0.00083	3	1	28.2	0
P12163_2_F8_12070R.HGDLLNK.Y	1404.842	0.00323	3	1	32.1	0
P12163_2_F8_12070R.HGDLLNK.Y	1404.842	0.00554	3	1	30.4	0
P12163_1_F6,15465 R.LGVYTAK.D	1359.846	0.00473	2	1	26.5	0
P12163_1_S10,1503 R.LGVYTAK.D	1359.846	0.00871	2	1	25.3	0
P12163_2_F1,14701 R.LGVYTAK.D	1359.846	0.00569	3	1	24	0
P12163_1_F2,19991 K.EFPALDTSALDK.F	1915.063	0.01028	3	1	59.7	0
P12163_1_F2,20005 K.EFPALDTSALDK.F	1915.063	0.00589	2	1	56.4	0
P12163_1_F5,19481 K.EFPALDTSALDK.F	1915.063	-0.00633	2	1	28.4	0
P12163_1_S1,18989 K.EFPALDTSALDK.F	1915.063	0.00635	3	1	57.4	0
P12163_1_S1,19032 K.EFPALDTSALDK.F	1915.063	0.01091	2	1	35.4	0
P12163_1_S1,19118 K.EFPALDTSALDK.F	1915.063	0.00842	4	1	30.8	0
P12163_1_S1,19241 K.EFPALDTSALDK.F	1915.063	0.00686	3	1	25.1	0
P12163_2_F4,18675 K.EFPALDTSALDK.F	1915.063	0.01109	3	1	30.3	0
P12163_2_F6,20322 K.ENHWLDDGAYLMVK	2299.2	0.00519	3	1	45.6	0
P12163_1_F4,20528 K.FM*VEGLTNSEK.Q	1879.009	0.00378	3	1	28.6	0
P12163_2_F1,17290 K.FM*VEGLTNSEK.Q	1879.009	0.01275	3	1	29.1	0
P12163_1_F4,20500 K.FMVEGLTNSEK.Q	1863.014	0.00549	3	1	58.9	0
P12163_2_F1,19855 K.FMVEGLTNSEK.Q	1863.014	0.00645	3	1	46.4	0
P12163_1_F9,10404 K.IDQNHSDLK.G	1677.938	0.00391	2	1	29.9	0
P12163_1_F3,10197 K.ISIGHDSR.V	1188.664	0.00271	3	1	41.5	0
P12163_2_F2,9428 K.ISIGHDSR.V	1188.664	0.00316	3	1	30.4	0
P12163_2_S5,9792 K.ISIGHDSR.V	1188.664	0.00415	3	1	28.2	0
P12163_1_F4,21036 K.LGLAVAAATK.E	1522.978	0.00537	3	1	32.5	0
P12163_1_F4,21070 K.LGLAVAAATK.E	1522.978	0.00796	2	1	50.3	0
P12163_1_F4,21284 K.LGLAVAAATK.E	1522.978	0.00684	3	1	47.5	0
P12163_1_F4,21304 K.LGLAVAAATK.E	1522.978	0.00612	2	1	53.4	0
P12163_1_F4,23035 K.LGLAVAAATK.E	1522.978	0.01992	2	1	44.9	0
P12163_1_F6,19611 K.LGLAVAAATK.E	1522.978	0.00417	3	1	31.5	0
P12163_2_F1,20440 K.LGLAVAAATK.E	1522.978	0.00603	3	1	33	0
P12163_2_F1,20451 K.LGLAVAAATK.E	1522.978	0.0054	2	1	47.8	0
P12163_2_F1,20652 K.LGLAVAAATK.E	1522.978	0.0063	3	1	47	0
P12163_2_F1,20671 K.LGLAVAAATK.E	1522.978	0.00686	2	1	50.3	0
P12163_2_F4,18315 K.LGLAVAAATK.E	1522.978	0.00384	2	1	26.6	0
P12163_1_F2,15786 K.NVIDEAIR.L	1233.71	0.00372	2	1	29.5	0
P12163_2_F1,15631 K.NVIDEAIR.L	1233.71	0.00322	2	1	25.4	0
P12163_1_F6,20535 K.TSGSQFLEPDGM*FPN	3181.572	-0.00347	3	1	23	0
P12163_1_F6,20568 K.TSGSQFLEPDGM*FPN	3181.572	0.00765	4	1	22.1	0
P12163_1_F6,20574 K.TSGSQFLEPDGMFPNH	3165.577	0.00559	3	1	33.5	0
P12163_1_F4,18866 K.VLEPLGAK.T	1434.914	0.00636	3	1	28.2	0
P12163_2_F1,18028 K.VLEPLGAK.T	1434.914	0.00748	2	1	24.5	0
P12163_1_F4,15300 R.DYGEAVLK.H	1502.867	0.00536	3	1	32.4	0
P12163_1_F7,13587 R.DYGEAVLK.H	1502.867	0.00059	3	1	37.3	0
P12163_1_F9,14578 R.DYGEAVLK.H	1502.867	0.00374	3	1	34.8	0
P12163_2_F1,14176 R.DYGEAVLK.H	1502.867	0.00329	3	1	35	0
P12163_2_F8_12070R.LNSIGEESH LAIETSGH	2771.515	0.00339	4	1	30.7	0
P12163_2_S5,16924 R.LNSIGEESH LAIETSGH	2771.515	0.00463	4	1	35.4	0
P12163_1_F6,21696 R.LSLHDPVLPLNIEAPSR	2175.244	-0.00081	3	1	36	0
P12163_1_F8,22080 R.LSLHDPVLPLNIEAPSR	2175.244	0.00459	3	1	37.8	0
P12163_2_F10,18770R.LSLHDPVLPLNIEAPSR	2175.244	0.00738	3	1	24.4	0

P12163_2_S5,19905	R.LSLHDPVLP LNIEAPSR	2175.244	0.00468	3	1	31.3	0
P12163_1_F2,5725	R.SAAVDSTGR.E	1167.627	0.00018	2	1	24.5	0
P12163_1_S1,14653	R.VSAQM*LQDAVSR.G	1624.863	0.00403	2	1	39.5	0
P12163_1_S1,14964	R.VSAQM*LQDAVSR.G	1624.863	0.00687	3	1	37.4	0
P12163_1_S1,17413	R.VSAQMLQDAVSR.G	1608.868	-0.00087	3	1	49.9	0
P12163_1_S1,17856	R.VSAQMLQDAVSR.G	1608.868	0.00123	2	1	45.6	0
P12163_1_S1,17895	R.VSAQMLQDAVSR.G	1608.868	0.00252	3	1	63.1	0
P12163_2_F1,24224	R.VSGSGGWFLLR.L	1482.837	0.00207	2	1	31.3	0
P12163_1_S1,13850	K.EVALLTDGR.F	1277.737	0.00008	3	1	32.2	0
P12163_1_S1,14141	K.EVALLTDGR.F	1277.737	0.0023	3	1	38.5	0
P12163_1_S1,16669	K.EVALLTDGR.F	1277.737	0.00265	2	1	24.4	0
P12163_1_S1,16848	K.EVALLTDGR.F	1277.737	0.00133	2	1	34.5	0
P12163_2_F4,16426	K.EVALLTDGR.F	1277.737	0.00175	2	1	28.3	0
P12163_2_S3,6484	K.GEGPK.A ! R.GEGPK.G	1095.662	0.0092	3	1	22.9	0
P12163_2_F1,16422	K.GMCFSLQSR.D	1389.692	0.00291	2	1	29.9	0
P12163_1_F2,12115	K.IGGTPAVIR.Y	1187.741	0.00205	3	1	36	0
P12163_1_F3,12430	K.IGGTPAVIR.Y	1187.741	0.00313	3	1	31.1	0
P12163_1_F2,13526	K.NMPGTIMAMGR.L	1482.753	0.00348	3	1	36.2	0
P12163_1_F6,19858	K.TFPHLSEGQDIIRPLSN	2870.635	0.00446	4	1	29.5	0
P12163_1_F9,9190	K.TGHIQVLR.G	1227.747	0.00212	3	1	40.2	0
P12163_1_F9,9239	K.TGHIQVLR.G	1227.747	0.00355	4	1	26	0
P12163_1_F9,11664	K.TGHIQVLR.G	1227.747	0.00509	3	1	46	0
P12163_1_S10,1182	K.TGHIQVLR.G	1227.747	0.00206	3	1	40.4	0
P12163_2_F4,10697	K.TGHIQVLR.G	1227.747	0.00257	3	1	43.7	0
P12163_2_F2,10311	K.TLAENAK.T	1354.815	0.00631	3	1	37.4	0
P12163_2_F2,10944	K.TLAENAK.T	1354.815	0.00786	2	1	26.7	0
P12163_1_F8,22068	K.VSDEVPFLADLKPSGK	2614.522	0.00613	4	1	23.4	0
P12163_2_F8_12070	K.VSDEVPFLADLKPSGK	2614.522	0.00061	4	1	32.1	0
P12163_2_F6,11025	K.YVM*EDVHK.I	1644.888	0.00501	3	1	22.9	0
P12163_2_F6,13403	K.YVM*EDVHK.I	1644.888	0.00354	3	1	29.4	0
P12163_1_F6,14090	K.YVMEDVHK.I	1628.893	0.00459	3	1	32.6	0
P12163_2_F6,13404	K.YVMEDVHK.I	1628.893	0.00306	3	1	32.3	0
P12163_2_F6,13426	K.YVMEDVHK.I	1628.893	0.00638	2	1	35.4	0
P12163_1_F3,19499	R.FNTIGVSDAISM*GTK.	2165.173	0.01111	3	1	54.8	0
P12163_1_F3,17231	R.FNTIGVSDAISMGTK.C	2149.178	0.00499	3	1	24.5	0
P12163_1_F3,18619	R.FNTIGVSDAISMGTK.C	2149.178	0.00637	3	1	30.8	0
P12163_1_F3,20044	R.FNTIGVSDAISMGTK.C	2149.178	0.00784	3	1	47	0
P12163_1_F3,21429	R.FNTIGVSDAISMGTK.C	2149.178	0.00802	3	1	53.2	0
P12163_1_F3,21461	R.FNTIGVSDAISMGTK.C	2149.178	0.00449	2	1	82.1	0
P12163_1_F4,10617	R.GNLAPEGSVAK.I	1650.963	0.00747	3	1	29.3	0
P12163_1_F4,10629	R.GNLAPEGSVAK.I	1650.963	0.00765	2	1	27.6	0
P12163_1_F4,12899	R.GNLAPEGSVAK.I	1650.963	0.00453	2	1	36	0
P12163_1_F4,12911	R.GNLAPEGSVAK.I	1650.963	0.00651	3	1	44	0
P12163_1_F4,24446	R.GNLAPEGSVAK.I	1650.963	-0.00834	3	1	23.2	0
P12163_1_F5,11578	R.GNLAPEGSVAK.I	1650.963	0.00407	2	1	43.4	0
P12163_1_F7,11216	R.GNLAPEGSVAK.I	1650.963	0.0009	3	1	41.6	0
P12163_2_F1,11994	R.GNLAPEGSVAK.I	1650.963	0.00871	2	1	33.6	0
P12163_2_F1,12022	R.GNLAPEGSVAK.I	1650.963	0.00491	3	1	49.7	0
P12163_2_S5,10635	R.GNLAPEGSVAK.I	1650.963	0.00171	3	1	28.7	0
P12163_2_S5,10863	R.GNLAPEGSVAK.I	1650.963	-0.00189	3	1	27.4	0
P12163_1_F2,14192	R.GVEEAGM*VGFR.F	1471.752	0.01278	2	1	34.9	0

P12163_1_F2,16825	R.GVEEAGM*VGFR.F	1471.752	0.00315	3	1	62.8	0
P12163_1_F3,17264	R.GVEEAGMVGFR.F	1455.757	0.0018	2	1	31.4	0
P12163_1_S1,16306	R.GVEEAGMVGFR.F	1455.757	0.00388	2	1	29.4	0
P12163_2_F2,13329	R.LSEAVK.R	1254.788	0.00759	3	1	24.4	0
P12163_1_F8,15821	R.RIDVQLTDEEMEER.R	2067.033	0.00238	3	1	46.1	0
P12163_1_F8,15828	R.RIDVQLTDEEMEER.R	2067.033	-0.00042	2	1	39.3	0
P12163_2_F6,15325	R.RIDVQLTDEEMEER.R	2067.033	0.0055	3	1	51.5	0
P12163_2_F6,15327	R.RIDVQLTDEEMEER.R	2067.033	0.00284	2	1	53.3	0
P12163_1_F2,6693	K.DATSEAIR.D	1166.632	0.0027	3	1	23.9	0
P12163_1_F5,7719	K.HAATLSK.G	1335.82	0.00237	3	1	30.6	0
P12163_1_S10,9334	K.HAATLSK.G	1335.82	0.00681	3	1	38	0
P12163_2_F8_12070	K.HAATLSK.G	1335.82	0.00711	3	1	32.6	0
P12163_1_F4,20938	K.INNAVGQALLAK.R	1820.121	0.00681	3	1	46	0
P12163_1_F4,20944	K.INNAVGQALLAK.R	1820.121	0.01145	2	1	52.6	0
P12163_1_F4,23090	K.INNAVGQALLAK.R	1820.121	0.00684	3	1	43.4	0
P12163_1_F5,19764	K.INNAVGQALLAK.R	1820.121	0.01101	3	1	25.4	0
P12163_2_F1,20382	K.INNAVGQALLAK.R	1820.121	0.00705	3	1	39.9	0
P12163_2_F1,20411	K.INNAVGQALLAK.R	1820.121	0.00241	2	1	55.7	0
P12163_2_F1,20736	K.INNAVGQALLAK.R	1820.121	0.0024	3	1	37.8	0
P12163_2_F2,104	K.INNAVGQALLAK.R	1820.121	0.00729	3	1	29.5	0
P12163_1_F7,22421	K.LADDRDFQEELSGILR	2181.145	0.00287	3	1	36.1	0
P12163_1_F7,22443	K.LADDRDFQEELSGILR	2181.145	0.00118	2	1	31.2	0
P12163_1_F8,23420	K.LADDRDFQEELSGILR	2181.145	0.00185	3	1	34.2	0
P12163_1_F4,15599	K.LCPTLADGTK.V	1683.956	0.00114	2	1	31.8	0
P12163_1_F3,14516	K.VVVNFSGR.G	1181.694	0.0042	3	1	41.9	0
P12163_1_S1,20529	R.AEYYNVTDDDEALEAFI	2486.255	0.0146	3	1	61.3	0
P12163_1_S1,20576	R.AEYYNVTDDDEALEAFI	2486.255	0.01148	4	1	58.6	0
P12163_2_F6,20746	R.AEYYNVTDDDEALEAFI	2486.255	0.00863	3	1	68	0
P12163_2_F6,20758	R.AEYYNVTDDDEALEAFI	2486.255	0.00649	2	1	30.8	0
P12163_2_S5,18572	R.AEYYNVTDDDEALEAFI	2642.356	0.00939	3	1	47	0
P12163_1_F6,10068	R.AVHSGTATLK.D	1592.958	0.00811	3	1	31	0
P12163_1_F9,7912	R.AVHSGTATLK.D	1592.958	0.00655	3	1	23.8	0
P12163_1_F9,9820	R.AVHSGTATLK.D	1592.958	0.00514	3	1	49.8	0
P12163_2_F7,9247	R.AVHSGTATLK.D	1592.958	0.00577	3	1	41.1	0
P12163_2_S5,9390	R.AVHSGTATLK.D	1592.958	0.00517	3	1	35.3	0
P12163_1_F9,14802	R.DFHAVIGK.E	1494.889	0.00388	3	1	31.1	0
P12163_2_F7,13538	R.DFHAVIGK.E	1494.889	0.00478	3	1	32.9	0
P12163_2_F7,13569	R.DFHAVIGK.E	1494.889	0.00493	2	1	36.8	0
P12163_2_F9,13753	R.DFHAVIGK.E	1494.889	0.00811	3	1	24.8	0
P12163_1_F3,12480	R.DPVVPM*EAK.K	1609.908	0.00372	2	1	28.1	0
P12163_1_F3,15378	R.DPVVPM*EAK.K	1609.908	0.00466	2	1	25.2	0
P12163_1_F3,15311	R.DPVVPM*EAK.K	1593.913	0.0001	2	1	25	0
P12163_1_F3,15317	R.DPVVPM*EAK.K	1593.913	0.01291	3	1	23.2	0
P12163_1_F6,8178	R.EDLNHTGAHK.I	1729.944	-0.00938	2	1	48.8	0
P12163_2_F6,7772	R.EDLNHTGAHK.I	1729.944	0.00338	3	1	29.8	0
P12163_2_F6,7782	R.EDLNHTGAHK.I	1729.944	0.00407	4	1	25.6	0
P12163_1_F6,15608	R.IIAETGAGQHGVATAT	2287.213	0.00288	3	1	69.1	0
P12163_1_F7,14877	R.IIAETGAGQHGVATAT	2287.213	0.00216	3	1	56.6	0
P12163_1_F2,22759	R.LIGVEAAGFGLDMSGK.I	2042.174	0.00407	2	1	44.7	0
P12163_1_F2,22796	R.LIGVEAAGFGLDMSGK.I	2042.174	0.00515	3	1	56.3	0
P12163_1_S1,21761	R.LIGVEAAGFGLDMSGK.I	2042.174	0.00485	3	1	57.2	0

P12163_1_S1,21827	R.LIGVEAAGFGLDSGK.I	2042.174	0.00682	4	1	41.3	0
P12163_1_S1,21835	R.LIGVEAAGFGLDSGK.I	2042.174	0.00407	2	1	52.3	0
P12163_1_S1,22072	R.LIGVEAAGFGLDSGK.I	2042.174	0.0008	3	1	44.3	0
P12163_1_S10,1032	R.LTEHYR.R	1122.621	0.00366	3	1	26.2	0
P12163_2_F4,8790	R.LTEHYR.R	1122.621	-0.00021	3	1	25.5	0
P12163_1_F9,11272	K.DTPFTDQHK.A	1696.911	0.00962	3	1	32.7	0
P12163_2_F6,11111	K.DTPFTDQHK.A	1696.911	0.00567	2	1	27.9	0
P12163_1_F3,5327	K.DTPGAPR.Q	1017.563	0.00571	3	1	29.9	0
P12163_2_F1,5023	K.DTPGAPR.Q	1017.563	0.00106	3	1	24.1	0
P12163_1_S1,18164	K.FDPTFYPR.F	1346.705	0.00269	3	1	31.3	0
P12163_1_F4,19536	K.LLDACINPK.E	1651.966	0.01181	2	1	38.1	0
P12163_1_F4,19618	K.LLDACINPK.E	1651.966	0.00699	3	1	41.2	0
P12163_1_F5,18457	K.LLDACINPK.E	1651.966	0.00457	2	1	36.9	0
P12163_1_F5,18498	K.LLDACINPK.E	1651.966	0.00576	3	1	32.1	0
P12163_1_F6,18694	K.LLDACINPK.E	1651.966	-0.00171	2	1	42.3	0
P12163_1_S10,1760	K.LLDACINPK.E	1651.966	0.01008	3	1	26.7	0
P12163_2_F1,18772	K.LLDACINPK.E	1651.966	0.00427	3	1	46.5	0
P12163_2_F1,18822	K.LLDACINPK.E	1651.966	0.00503	2	1	38	0
P12163_2_F4,16969	K.LLDACINPK.E	1651.966	-0.00441	3	1	27.2	0
P12163_2_S5,17077	K.LLDACINPK.E	1651.966	-0.00279	3	1	41	0
P12163_1_F6,19600	K.NPFAPTLHFNYR.Y	1780.944	0.00532	3	1	41.2	0
P12163_1_F8,19703	K.NPFAPTLHFNYR.Y	1780.944	0.0013	3	1	30.6	0
P12163_1_F8,19940	K.NPFAPTLHFNYR.Y	1780.944	0.00397	3	1	33.9	0
P12163_2_F6,19171	K.NPFAPTLHFNYR.Y	1780.944	0.00253	3	1	27.8	0
P12163_2_F6,19399	K.NPFAPTLHFNYR.Y	1780.944	0.00178	3	1	40.1	0
P12163_2_S5,18320	K.NPFAPTLHFNYR.Y	1780.944	0.00448	3	1	64.4	0
P12163_2_F6,16244	K.SACDKFDPTFYPR.F	2212.132	0.00208	2	1	30.3	0
P12163_2_F1,5532	K.TDGGGK.F	1142.663	0.00571	3	1	26.7	0
P12163_1_F7,22606	K.TGGRIESILVSLPLTAR	2087.249	0.00251	3	1	27.5	0
P12163_2_F8_12070	K.WCDDYFYIK.H	1917.967	0.01169	3	1	29	0
P12163_1_F3,10492	R.DAQDSVCQAIEK.T	1972.027	0.00775	3	1	29.7	0
P12163_1_F3,14181	R.DAQDSVCQAIEK.T	1972.027	0.0082	3	1	45.5	0
P12163_1_F3,14224	R.DAQDSVCQAIEK.T	1972.027	0.00639	2	1	67.5	0
P12163_1_F3,14433	R.DAQDSVCQAIEK.T	1972.027	0.00988	3	1	25.1	0
P12163_1_F4,14718	R.DAQDSVCQAIEK.T	1972.027	0.00205	2	1	57	0
P12163_2_F6,5916	R.ESDDKESSSSASSVR..	2266.125	0.00673	3	1	28.8	0
P12163_2_F6,5946	R.ESDDKESSSSASSVR..	2266.125	0.00483	4	1	33.8	0
P12163_2_F2,15153	R.GTTFGLK.T	1331.814	0.00421	2	1	27	0
P12163_1_F4,21112	R.VLQDGAIWEK.A	1767.026	0.00676	2	1	44.3	0
P12163_1_F4,21121	R.VLQDGAIWEK.A	1767.026	0.00733	3	1	38.4	0
P12163_1_F4,23083	R.VLQDGAIWEK.A	1767.026	-0.0027	2	1	40.7	0
P12163_1_F7,18742	R.VLQDGAIWEK.A	1767.026	-0.00023	3	1	36.8	0
P12163_2_F1,20543	R.VLQDGAIWEK.A	1767.026	0.00604	3	1	39	0
P12163_2_F1,20577	R.VLQDGAIWEK.A	1767.026	0.00596	2	1	36.8	0
P12163_2_F4,18271	R.VLQDGAIWEK.A	1767.026	-0.00176	3	1	30.4	0
P12163_2_S5,12200	R.WEYDHNPKE	1696.89	0.0052	3	1	24.3	0
P12163_1_F4,15502	R.YFETDAPK.D	1578.862	0.00809	3	1	28.5	0
P12163_1_F5,14323	R.YFETDAPK.D	1578.862	0.00788	2	1	24.8	0
P12163_1_F7,13868	R.YFETDAPK.D	1578.862	0.00467	3	1	25.4	0
P12163_1_F9,14826	R.YFETDAPK.D	1578.862	0.00839	3	1	25.2	0
P12163_2_F1,14354	R.YFETDAPK.D	1578.862	0.00779	3	1	31.8	0

P12163_2_F8,1207	R.YFETDAPK.D	1578.862	0.00884	3	1	30.9	0
P12163_1_S1,9041	K.CATITPDETR.M	1467.741	0.00337	3	1	32.4	0
P12163_1_S1,10214	K.CATITPDETR.M	1467.741	0.00438	2	1	33.3	0
P12163_1_S1,10257	K.CATITPDETR.M	1467.741	0.00463	3	1	27.7	0
P12163_1_F8,18692	K.DLAILVHGPK.V	1671.041	0.00669	3	1	39.9	0
P12163_1_F8,18725	K.DLAILVHGPK.V	1671.041	0.00545	2	1	43.6	0
P12163_1_F8,18944	K.DLAILVHGPK.V	1671.041	0.00351	3	1	29	0
P12163_1_F8,19552	K.DLAILVHGPK.V	1671.041	0.00747	3	1	25.3	0
P12163_1_F9,18334	K.DLAILVHGPK.V	1671.041	0.00135	3	1	29.4	0
P12163_2_F6,18163	K.DLAILVHGPK.V	1671.041	0.003	3	1	29.7	0
P12163_2_F6,18206	K.DLAILVHGPK.V	1671.041	0.00863	2	1	44.4	0
P12163_2_F6,18425	K.DLAILVHGPK.V	1671.041	0.00144	3	1	35.2	0
P12163_1_F9,18612	K.KWPLYLSTK.N	2048.267	0.01307	3	1	30.1	0
P12163_2_F9,17580	K.KWPLYLSTK.N	2048.267	0.00248	3	1	32.8	0
P12163_1_F3,18411	K.LEAACIEAVETGK.M	1999.099	0.0079	3	1	42.3	0
P12163_1_F3,18431	K.LEAACIEAVETGK.M	1999.099	0.00519	2	1	41	0
P12163_1_F3,19535	K.LEAACIEAVETGK.M	1999.099	0.00829	3	1	44	0
P12163_1_F3,19562	K.LEAACIEAVETGK.M	1999.099	0.00319	2	1	64.8	0
P12163_1_F4,20191	K.LEAACIEAVETGK.M	1999.099	0.00466	3	1	41.1	0
P12163_1_F4,20201	K.LEAACIEAVETGK.M	1999.099	0.00645	2	1	45.8	0
P12163_1_F5,15191	K.SEGGYVWACK.N	1764.92	0.00358	2	1	39.2	0
P12163_1_F6,11911	K.TIEAEAAHGTVTR.H !	1659.897	0.00126	3	1	24.2	0
P12163_1_F7,7463	K.TIEAEAAHGTVTR.H !	1659.897	0.00228	3	1	32.3	0
P12163_1_F7,10909	K.TIEAEAAHGTVTR.H !	1659.897	0.00198	3	1	42.2	0
P12163_1_F7,11225	K.TIEAEAAHGTVTR.H !	1659.897	0.00036	3	1	32.2	0
P12163_1_F8,7716	K.TIEAEAAHGTVTR.H !	1659.897	0.003	3	1	37.8	0
P12163_1_F8,11355	K.TIEAEAAHGTVTR.H !	1659.897	0.00534	3	1	36.8	0
P12163_2_F6,7635	K.TIEAEAAHGTVTR.H !	1659.897	0.00177	3	1	31.8	0
P12163_2_F6,8008	K.TIEAEAAHGTVTR.H !	1659.897	0.00231	3	1	36.1	0
P12163_2_F6,11169	K.TIEAEAAHGTVTR.H !	1659.897	0.00225	3	1	53.3	0
P12163_2_F6,11196	K.TIEAEAAHGTVTR.H !	1659.897	-0.00213	2	1	27.8	0
P12163_2_F6,11481	K.TIEAEAAHGTVTR.H !	1659.897	0.00225	3	1	52.8	0
P12163_1_F3,17087	K.VTVESAEATLK.Y	1756.031	0.0072	3	1	32	0
P12163_1_F3,17128	K.VTVESAEATLK.Y	1756.031	-0.0027	2	1	52.2	0
P12163_2_F1,16767	K.VTVESAEATLK.Y	1756.031	0	3	1	22.2	0
P12163_2_F1,22501	K.WPLYLSTK.N	1615.967	0.00513	3	1	26.3	0
P12163_1_S10,1407	K.YNVAIK.C	1315.819	0.00485	3	1	25.2	0
P12163_2_F2,14319	K.YNVAIK.C	1315.819	0.00587	3	1	22.3	0
P12163_1_F4,22301	R.AFAESSM*SLAFSK.K	2000.062	0.00848	3	1	29.8	0
P12163_2_S5,15581	R.DATDDKVTVESAEATI	2705.497	-0.00113	3	1	37.5	0
P12163_2_S5,9795	R.HAFGDQYR.A	1297.659	0.00302	3	1	34.1	0
P12163_1_F3,27915	R.LIDDM*VAYAIAK.S ! R.	1876.071	0.00822	3	1	38.5	0
P12163_1_F3,26913	R.LIDDMVAYAIAK.S ! R.L	1860.076	0.00567	3	1	39.8	0
P12163_1_F3,27973	R.LIDDMVAYAIAK.S ! R.L	1860.076	0.00441	3	1	25.1	0
P12163_1_F9,18401	R.LLHFVQK.L	1492.946	0.00588	2	1	24.2	0
P12163_2_F9,17151	R.LLHFVQK.L	1492.946	0.00566	2	1	26.9	0
P12163_1_F3,15656	R.NILNGTVFR.E	1337.784	0.00247	3	1	28.4	0
P12163_1_F4,11122	K.EDSSDCQFK.T ! K.EDS	1723.842	0.01354	2	1	43.6	0
P12163_1_F2,19708	K.ELAVIVVR.G	1202.777	0.00113	2	1	28.1	0
P12163_1_F9,13241	K.ENICHIVK.A	1620.935	0.00609	2	1	37.4	0
P12163_2_F9,12280	K.ENICHIVK.A	1620.935	0.00481	2	1	39.5	0

P12163_1_F8,15744	K.ISELATDVAHK.A	1792.042	0.00386	4	1	29.1	0
P12163_1_F8,18855	K.ISELATDVAHK.A	1792.042	0.00821	2	1	48.1	0
P12163_1_F8,19147	K.ISELATDVAHK.A	1792.042	0.00559	3	1	23.5	0
P12163_2_F6,18401	K.ISELATDVAHK.A	1792.042	0.00472	3	1	43.4	0
P12163_2_F6,18456	K.ISELATDVAHK.A	1792.042	0.00454	4	1	30.9	0
P12163_2_F6,18481	K.ISELATDVAHK.A	1792.042	0.00481	2	1	54.7	0
P12163_2_F6,18748	K.ISELATDVAHK.A	1792.042	0.00505	3	1	60.1	0
P12163_2_F9,17624	K.ISELATDVAHK.A	1792.042	0.00436	3	1	29.9	0
P12163_1_F4,12585	K.LEQQGVDCQPK.A ! K.	1910.026	0.00727	2	1	49	0
P12163_2_F1,11671	K.LEQQGVDCQPK.A ! K.	1910.026	0.00491	2	1	49.1	0
P12163_2_F1,18573	K.QFGYPLM*VK.S	1706.976	-0.00089	2	1	29	0
P12163_1_F4,21345	K.QFGYPLMVK.S	1690.981	0.00843	2	1	24.6	0
P12163_1_F4,21365	K.QFGYPLMVK.S	1690.981	0.00408	3	1	28.4	0
P12163_2_F9,18386	K.QFGYPLMVK.S	1690.981	0.00534	3	1	22.6	0
P12163_1_F7,19038	K.SILCYPVVETIHK.E	2167.24	0.0058	3	1	50.5	0
P12163_1_F8,17146	K.SILCYPVVETIHK.E	2167.24	0.00526	3	1	25.1	0
P12163_1_F8,20006	K.SILCYPVVETIHK.E	2167.24	0.00832	3	1	38.8	0
P12163_2_F10,1734	K.SILCYPVVETIHK.E	2167.24	0.01006	3	1	35.9	0
P12163_2_F6,19650	K.SILCYPVVETIHK.E	2167.24	0.00616	3	1	26.9	0
P12163_2_S5,18102	K.SILCYPVVETIHK.E	2167.24	0.00559	3	1	56.6	0
P12163_1_F2,20348	R.AVVGLPLGDPSM*K.T	1908.108	0.00459	3	1	52.9	0
P12163_1_S1,17319	R.AVVGLPLGDPSM*K.T	1908.108	0.00372	3	1	42.4	0
P12163_1_S1,18756	R.AVVGLPLGDPSMK.T	1892.114	0.00747	3	1	59.1	0
P12163_1_S1,18760	R.AVVGLPLGDPSMK.T	1892.114	0.00874	2	1	31	0
P12163_1_F3,4472	R.DSNETSPAR.K	1280.638	0.00214	3	1	27.9	0
P12163_2_F1,5095	R.DSNETSPAR.K	1280.638	-0.00308	2	1	29.3	0
P12163_1_F6,20891	R.GFYLAHQIIGK.A	1855.105	0.00327	2	1	49	0
P12163_2_F7,18636	R.GFYLAHQIIGK.A	1855.105	0.00421	2	1	42.9	0
P12163_2_S5,19520	R.GFYLAHQIIGK.A	1855.105	0.00508	3	1	38.1	0
P12163_1_S10,1399	R.GLYVEK.W	1316.803	0.00572	3	1	26.1	0
P12163_2_F2,13981	R.GLYVEK.W	1316.803	0.00556	3	1	25.8	0
P12163_1_S1,23013	R.IGHIMGSDSDLPVMK.D	2184.223	0.00615	3	1	50.2	0
P12163_1_F4,8632	R.IVSAHR.T	986.6048	0.00367	3	1	25.4	0
P12163_1_F4,19188	R.M*LCQAASQLAIK.V	1958.102	0.00207	3	1	40.7	0
P12163_1_F4,22352	R.M*LCQAASQLAIK.V	1958.102	0.00516	3	1	41	0
P12163_2_F1,18377	R.M*LCQAASQLAIK.V	1958.102	0.00894	3	1	34.2	0
P12163_2_F1,21941	R.M*LCQAASQLAIK.V	1958.102	0.00744	3	1	35	0
P12163_1_F4,22315	R.MLCQAASQLAIK.V	1942.107	0.00505	3	1	39.4	0
P12163_1_F4,22326	R.MLCQAASQLAIK.V	1942.107	-0.00504	2	1	26	0
P12163_1_F4,22551	R.MLCQAASQLAIK.V	1942.107	0.00196	3	1	44.4	0
P12163_2_F1,21788	R.MLCQAASQLAIK.V	1942.107	-0.0041	3	1	30.2	0
P12163_2_F4,17247	R.TPDLMFSYASSAHER.(	2015.98	0.00227	3	1	38.7	0
P12163_1_F2,16192	K.DFVVLASR.L	1210.71	0.00344	3	1	26.8	0
P12163_1_F2,18273	K.DFVVLASR.L	1210.71	0.00238	2	1	25.6	0
P12163_1_S1,15634	K.DFVVLASR.L	1210.71	0.00308	3	1	25.4	0
P12163_1_S1,17343	K.DFVVLASR.L	1210.71	0.00302	3	1	31.5	0
P12163_1_F2,22649	K.EGEM*LFGYQPFATK.I	2242.167	0.00386	3	1	31.2	0
P12163_2_F6,15029	K.HVLWSNGPETENPTV(	2587.372	0.00288	3	1	38	0
P12163_2_F1,22765	K.ILFPNMVK.W	1569.965	0.00263	3	1	27.3	0
P12163_2_F7,12660	K.LHM*QLAEEIR.S	1559.852	-0.00214	3	1	28.8	0
P12163_2_F7,15242	K.LHM*QLAEEIR.S	1559.852	0.00131	3	1	42.5	0

P12163_2_F6,16541	K.LHMQLAEEIR.S	1543.857	0.00666	3	1	60.8	0
P12163_2_F6,16561	K.LHMQLAEEIR.S	1543.857	0.00687	2	1	29.3	0
P12163_1_S1,18367	K.LVEEPLLR.T	1272.783	0.00397	2	1	26.3	0
P12163_1_S1,18404	K.LVEEPLLR.T	1272.783	0.0013	3	1	32.7	0
P12163_1_F3,19050	K.SAIGSSVTLTSLK.R	1872.126	0.00214	3	1	25.1	0
P12163_1_F3,19077	K.SAIGSSVTLTSLK.R	1872.126	0.00057	2	1	56.8	0
P12163_1_F4,17320	K.SAIGSSVTLTSLK.R	1872.126	0.00598	3	1	32.4	0
P12163_1_F4,18062	K.SAIGSSVTLTSLK.R	1872.126	0.00274	3	1	28.5	0
P12163_1_F4,19451	K.SAIGSSVTLTSLK.R	1872.126	0.00841	3	1	32.9	0
P12163_2_F1,16466	K.SAIGSSVTLTSLK.R	1872.126	0.00247	3	1	22.5	0
P12163_2_F1,19006	K.SAIGSSVTLTSLK.R	1872.126	0.00871	3	1	45.1	0
P12163_2_F1,19103	K.SAIGSSVTLTSLK.R	1872.126	0.00733	2	1	60.4	0
P12163_1_F3,21122	K.SFPVLFDVSK.V	1747.025	0.01155	3	1	35.6	0
P12163_1_F3,23927	K.SFPVLFDVSK.V	1747.025	0.00555	3	1	50	0
P12163_1_F3,24054	K.SFPVLFDVSK.V	1747.025	0.00474	2	1	50.3	0
P12163_1_F5,23141	K.SFPVLFDVSK.V	1747.025	0.00414	3	1	26.9	0
P12163_1_F2,13932	K.SVVEVLR.M	1268.752	0.0028	3	1	27.1	0
P12163_1_F9,19266	K.SVVEVLR.M	1268.752	0.00263	2	1	26	0
P12163_2_F1,20102	K.SVVEVLR.M	1268.752	0.00251	2	1	26.1	0
P12163_1_F3,22097	K.VTMAGMEQMPLMK.S	2075.098	0.00914	3	1	40.6	0
P12163_1_F3,22116	K.VTMAGMEQMPLMK.S	2075.098	0.00883	2	1	35.2	0
P12163_1_F7,17597	R.DLISSHEASFEVK.E	2183.217	0.0027	3	1	36	0
P12163_1_F8,18425	R.DLISSHEASFEVK.E	2183.217	0.00282	3	1	26.4	0
P12163_1_F5,12105	R.FVGEK.M ! R.FVGEK	1373.788	0.00821	3	1	30.8	0
P12163_2_F1,12538	R.FVGEK.M ! R.FVGEK	1373.788	0.00872	3	1	32.7	0
P12163_2_F6,20760	R.KIPGSYGLPYLGPIK.D	2515.541	0.01292	4	1	30	0
P12163_1_F7,19361	R.VLSYLDPSEPNHAK.L	2178.201	0.00713	3	1	24.2	0
P12163_2_F6,19811	R.VLSYLDPSEPNHAK.L	2178.201	0.00434	2	1	51.8	0
P12163_1_F3,19068	R.YDSFDIQVGK.S	1779.974	0.00754	2	1	41.7	0
P12163_1_F3,19081	R.YDSFDIQVGK.S	1779.974	0.00614	3	1	30	0
P12163_1_F9,18177	R.YDSFDIQVGK.S	1779.974	0.00215	3	1	23	0
P12163_1_F9,18191	R.YDSFDIQVGK.S	1779.974	0.00544	2	1	25.7	0
P12163_2_F9,17117	R.YDSFDIQVGK.S	1779.974	0.012	2	1	40.5	0
P12163_1_F4,15825	K.GSVPIGIGK.N	1435.909	0.00175	2	1	32.4	0
P12163_1_F4,16026	K.GSVPIGIGK.N	1435.909	0.00689	2	1	35	0
P12163_1_F7,14225	K.GSVPIGIGK.N	1435.909	-0.00001	3	1	35.3	0
P12163_2_F1,15001	K.GSVPIGIGK.N	1435.909	0.00555	2	1	33.6	0
P12163_2_F1,15046	K.GSVPIGIGK.N	1435.909	0.00749	3	1	40.4	0
P12163_1_F3,8251	K.IDEGR.I	1022.542	0.00198	2	1	27.9	0
P12163_1_F3,10330	K.IHHSVGLR.S	1321.801	0.00477	3	1	25.2	0
P12163_1_F3,10374	K.IHHSVGLR.S	1321.801	0.00485	4	1	28	0
P12163_1_S1,10100	K.IVNSDSVQEAAR.E	1592.855	0.00408	3	1	60.5	0
P12163_1_S1,12376	K.IVNSDSVQEAAR.E	1592.855	0.00162	2	1	24.5	0
P12163_1_S1,12416	K.IVNSDSVQEAAR.E	1592.855	0.00315	3	1	94.9	0
P12163_1_S1,23393	K.IYVLTQFNSASLNR.H	1930.07	0.00164	3	1	42.4	0
P12163_1_S1,23603	K.IYVLTQFNSASLNR.H	1930.07	0.00317	3	1	48.4	0
P12163_1_F8,19187	K.KPIPDFSFYDR.S	1993.1	0.00295	3	1	24.3	0
P12163_1_S1,9035	K.NSQTCLDPEASR.S	1681.812	0.00418	3	1	51.3	0
P12163_1_S1,10266	K.NSQTCLDPEASR.S	1681.812	0.00543	2	1	26.5	0
P12163_1_S1,10285	K.NSQTCLDPEASR.S	1681.812	0.00415	3	1	45.8	0
P12163_1_F4,19345	K.SGIVTHIK.D	1438.945	-0.00381	2	1	32.7	0

P12163_1_F4,19347	K.SGIVTIIK.D	1438.945	-0.00204	3	1	30	0
P12163_2_F1,18621	K.SGIVTIIK.D	1438.945	0.00837	3	1	31.7	0
P12163_2_F1,18639	K.SGIVTIIK.D	1438.945	0.01257	2	1	44.6	0
P12163_1_F5,15875	R.ATAFGLM*K.I	1462.855	0.00322	3	1	28.4	0
P12163_1_F5,18554	R.ATAFGLMK.I	1446.86	0.00382	2	1	36.4	0
P12163_2_F1,18858	R.ATAFGLMK.I	1446.86	0.00274	2	1	39	0
P12163_2_F1,18868	R.ATAFGLMK.I	1446.86	0.00721	3	1	29.4	0
P12163_1_S10,1120	R.AYASNMG*GGYK.N	1685.878	0.00711	3	1	30.1	0
P12163_2_F2,10515	R.AYASNMG*GGYK.N	1685.878	0.00828	2	1	44.1	0
P12163_1_F5,12476	R.AYASNMG*GGYK.N	1669.883	0.00456	2	1	39.9	0
P12163_1_S10,1370	R.AYASNMG*GGYK.N	1669.883	0.00429	3	1	22.1	0
P12163_2_F2,13246	R.AYASNMG*GGYK.N	1669.883	0.00489	2	1	40.2	0
P12163_1_F7,18753	R.DKFPGANDFGSEVIPG	2990.55	0.00181	3	1	46.9	0
P12163_2_S5,17979	R.DKFPGANDFGSEVIPG	2990.55	0.00764	4	1	42.5	0
P12163_1_F7,19799	R.DKFPGANDFGSEVIPG	2974.555	-0.00029	3	1	45.4	0
P12163_1_F9,11157	R.FIQAHR.E	1075.631	0.00432	3	1	36.9	0
P12163_1_S1,19040	R.LIDIPVSNCLNSNISK.I	2395.347	0.00536	4	1	22.3	0
P12163_1_S1,20408	R.LIDIPVSNCLNSNISK.I	2395.347	0.00716	4	1	46.3	0
P12163_1_F2,9827	R.SAPIYTQPR.Y	1336.753	-0.00327	3	1	34.9	0
P12163_1_S1,22103	R.SVLGILGGGAGTR.L	1574.953	0.00085	3	1	35.8	0
P12163_1_S1,23636	R.SVLGILGGGAGTR.L	1574.953	0.00094	3	1	58.7	0
P12163_1_F7,17897	K.DSSAHTVFEISEGLR.K	1952.003	0.00472	3	1	38.3	0
P12163_1_F7,17938	K.DSSAHTVFEISEGLR.K	1952.003	-0.00341	2	1	26.6	0
P12163_1_F8,18695	K.DSSAHTVFEISEGLR.K	1952.003	0.00199	3	1	34.6	0
P12163_1_F8,18720	K.DSSAHTVFEISEGLR.K	1952.003	0.00119	2	1	33.6	0
P12163_2_S5,17695	K.DSSAHTVFEISEGLR.K	1952.003	0.0016	3	1	49.6	0
P12163_1_S1,9645	K.EIDSLPSR.V	1220.679	0.00378	3	1	36.7	0
P12163_1_S1,12565	K.EIDSLPSR.V	1220.679	-0.00343	2	1	28.9	0
P12163_1_F3,20557	K.LEEGYYVMNPVK.A	2050.114	0.00615	2	1	56.8	0
P12163_1_F9,21043	K.LLHDLLTK.K	1560.993	0.00572	2	1	25.6	0
P12163_1_F9,21166	K.LLHDLLTK.K	1560.993	0.00623	3	1	32.5	0
P12163_2_F7,19284	K.LLHDLLTK.K	1560.993	0.00302	2	1	37.4	0
P12163_2_F7,19494	K.LLHDLLTK.K	1560.993	0.00707	2	1	37.2	0
P12163_2_F7,19515	K.LLHDLLTK.K	1560.993	0.00464	3	1	31.2	0
P12163_2_F1,12461	K.MPDNSMPK.E	1527.812	0.00117	3	1	22.6	0
P12163_2_F1,13326	K.NIMENCMGNAR.A	1613.75	0.00228	2	1	28	0
P12163_1_F8,19141	K.NYVDMDEYPVTTTELQ	2391.144	0.00398	2	1	53.3	0
P12163_1_F4,10456	K.SINVSGHK.Y	1449.863	0.01105	3	1	39.1	0
P12163_2_F4,9194	K.SINVSGHK.Y	1449.863	0.00478	3	1	42.5	0
P12163_2_F4,9205	K.SINVSGHK.Y	1449.863	0.00781	2	1	29.9	0
P12163_2_S3,9103	K.SINVSGHK.Y	1449.863	0.00742	3	1	37.9	0
P12163_1_S1,9461	M.VISTTETDSR.E	1412.753	0.00217	3	1	36.3	0
P12163_1_S1,11263	M.VISTTETDSR.E	1412.753	0.00425	2	1	29.2	0
P12163_1_F2,12677	R.EILNSTFASR.Y	1441.795	0.00263	3	1	37.2	0
P12163_1_F2,16036	R.EILNSTFASR.Y	1441.795	-0.00067	3	1	31.9	0
P12163_1_F2,5778	R.ETQEEVTR.H	1295.674	0.00258	2	1	28.1	0
P12163_2_F1,20443	R.FEILSK.D	1344.835	0.00507	3	1	22.4	0
P12163_2_F1,16895	R.LGFEGYK.N	1421.825	0.00126	3	1	22.2	0
P12163_2_F7,20927	R.LISHIEVLK.E	1789.104	0.00733	3	1	34.8	0
P12163_2_F8_1207C	R.LISHIEVLK.E	1789.104	0.00664	3	1	27	0
P12163_2_F8_1207C	R.LISHIEVLK.E	1789.104	-0.00107	3	1	28.7	0

P12163_1_F4,21050	R.YFEVELK.E	1535.893	0.00757	2	1	23.9	0
P12163_1_F4,21064	R.YFEVELK.E	1535.893	0.00576	3	1	23.9	0
P12163_1_F5,19895	R.YFEVELK.E	1535.893	0.00777	2	1	24.6	0
P12163_1_F7,18732	R.YFEVELK.E	1535.893	0.00199	2	1	24.5	0
P12163_1_F9,19552	R.YFEVELK.E	1535.893	0.00713	2	1	33	0
P12163_1_F3,13553	K.ANITENFTR.Q	1369.738	0.00158	3	1	23.2	0
P12163_1_F3,22818	K.ELETLATCGM*FEK.V	2153.108	0.01042	3	1	60.2	0
P12163_1_F3,18147	K.ELETLATCGMFEK.V	2137.113	0.0076	3	1	30.7	0
P12163_1_F3,20450	K.ELETLATCGMFEK.V	2137.113	0.00835	3	1	26.5	0
P12163_1_F3,22760	K.ELETLATCGMFEK.V	2137.113	0.00553	3	1	54.1	0
P12163_1_F3,22788	K.ELETLATCGMFEK.V	2137.113	0.00739	2	1	52.1	0
P12163_1_F2,17104	K.FVNGAIVGER.N	1365.779	0.00293	2	1	42.4	0
P12163_1_F7,19967	K.LEYVHPYLDGVYNPR.	2139.118	-0.001	3	1	33.3	0
P12163_1_F7,20021	K.LEYVHPYLDGVYNPR.	2139.118	-0.00371	2	1	26	0
P12163_1_F3,20103	K.LGNVVEGNTQLAVVK	2149.28	0.00727	3	1	60.1	0
P12163_1_F3,20131	K.LGNVVEGNTQLAVVK	2149.28	-0.00155	2	1	73.1	0
P12163_1_F4,19084	K.NEGGIIVEIK.L	1680.015	0.00731	3	1	29.4	0
P12163_1_F7,16777	K.NEGGIIVEIK.L	1680.015	0.00236	3	1	38.2	0
P12163_2_F1,18316	K.NEGGIIVEIK.L	1680.015	0.02123	3	1	22	0
P12163_2_F4,16405	K.NEGGIIVEIK.L	1680.015	0.01199	3	1	30.4	0
P12163_2_F10,1393	K.NTHVYAFVEHGNDLG	2583.341	0.00674	4	1	31.2	0
P12163_2_F4,13820	K.NTHVYAFVEHGNDLG	2583.341	0.00894	4	1	43.5	0
P12163_1_F8,19370	R.AEYAVDHNTGTGALF	2173.098	-0.00374	2	1	32.8	0
P12163_2_F10,1736	R.AEYAVDHNTGTGALF	2173.098	0.00027	3	1	25.8	0
P12163_2_F4,18053	R.AEYAVDHNTGTGALF	2173.098	0.00108	2	1	29.3	0
P12163_2_S5,18154	R.AEYAVDHNTGTGALF	2173.098	-0.00336	3	1	24.6	0
P12163_1_F2,5913	R.DESSHISPHGQR.V	1653.825	0.00642	3	1	31.4	0
P12163_1_F7,22077	R.KLSPVFTGGPGVDEVP	2947.65	0.0021	3	1	34.1	0
P12163_1_F7,22099	R.KLSPVFTGGPGVDEVP	2947.65	0.00291	4	1	35.2	0
P12163_2_S3,8369	R.M*GHGSSYGVGAK.L	1774.937	0.00797	3	1	22.7	0
P12163_2_F1,20995	R.MAFLQGNITR.D	1454.809	0.0071	2	1	29.7	0
P12163_2_S3,9873	R.MGHGSSYGVGAK.L	1758.942	0.00584	3	1	32.1	0
P12163_1_F7,20992	R.NINSLSLFSNIEVNPRPI	2894.583	0.00572	4	1	49.8	0
P12163_1_F3,18776	R.NVFQVDQQLGIGSK.F	2070.18	0.008	3	1	45	0
P12163_1_F3,18783	R.NVFQVDQQLGIGSK.F	2070.18	-0.00181	2	1	24.7	0
P12163_1_F3,20356	R.NVFQVDQQLGIGSK.F	2070.18	0.01601	3	1	23.1	0
P12163_1_F6,19192	R.NVFQVDQQLGIGSK.F	2070.18	-0.00253	3	1	29.6	0
P12163_1_F5,16249	R.QGNVFNIEAGK.Q	1785.011	0.00465	2	1	39.3	0
P12163_2_F1,16630	R.QGNVFNIEAGK.Q	1785.011	-0.00229	2	1	34.7	0
P12163_2_F1,16650	R.QGNVFNIEAGK.Q	1785.011	0.0039	3	1	44.2	0
P12163_2_F6,10077	K.DQNGHSDLEEGIR.R	1773.867	0.00241	3	1	32.3	0
P12163_1_F4,12799	K.EQTELVQK.S	1582.926	0.00808	2	1	31.7	0
P12163_1_F4,12823	K.EQTELVQK.S	1582.926	0.00768	3	1	28.2	0
P12163_2_S3,8842	K.QYYSHDVDR.T	1486.723	0.00947	3	1	36.7	0
P12163_2_S5,9305	K.QYYSHDVDR.T	1486.723	0.00575	3	1	28.2	0
P12163_1_F7,16095	K.SNLSEFDDVQGHPGFI	2500.256	0.00798	3	1	23.5	0
P12163_1_F8,16779	K.SNLSEFDDVQGHPGFI	2500.256	0.00864	3	1	51.6	0
P12163_1_F8,16842	K.SNLSEFDDVQGHPGFI	2500.256	0.00867	4	1	25.5	0
P12163_2_F6,16279	K.SNLSEFDDVQGHPGFI	2500.256	0.01242	3	1	39.7	0
P12163_1_F4,23505	K.VNTILNEEFM*ASK.D	2120.152	0.00653	3	1	43.7	0
P12163_1_F4,23529	K.VNTILNEEFM*ASK.D	2120.152	0.00269	2	1	46.2	0

P12163_1_F3,22792	K.VNTILNEEFMASK.D	2104.157	0.01097	3	1	32.4	0
P12163_1_F4,23476	K.VNTILNEEFMASK.D	2104.157	0.00497	3	1	42.4	0
P12163_1_F7,18678	R.AADLGVESIVIGM*PHI	1985.079	0.00197	3	1	44.7	0
P12163_1_F7,20689	R.AADLGVESIVIGM*PHI	1985.079	-0.00457	2	1	45.5	0
P12163_2_S5,17858	R.AADLGVESIVIGM*PHI	1985.079	0.00266	3	1	58.6	0
P12163_1_F6,21550	R.AADLGVESIVIGMPHR	1969.084	0.00623	3	1	52.1	0
P12163_1_F7,20676	R.AADLGVESIVIGMPHR	1969.084	0.00404	3	1	66.3	0
P12163_2_S5,19874	R.AADLGVESIVIGMPHR	1969.084	0.00086	3	1	65.6	0
P12163_2_F6,15691	R.FGHNEIDEPSFTQPK.M	2354.224	0.00192	2	1	40	0
P12163_1_F3,23424	R.FGLEGGETLIPGMK.E	2057.156	0.01019	3	1	40.3	0
P12163_1_F3,23458	R.FGLEGGETLIPGMK.E	2057.156	0.00865	2	1	59.1	0
P12163_1_F4,8975	R.HSVLHDQETGEK.Y	1988.066	0.00787	3	1	36	0
P12163_1_F6,8728	R.HSVLHDQETGEK.Y	1988.066	0.01305	4	1	30.6	0
P12163_1_F6,8780	R.HSVLHDQETGEK.Y	1988.066	0.01186	3	1	25.9	0
P12163_1_F3,27518	R.LIWSTQFENFLATK.W	2306.3	-0.00147	3	1	24.5	0
P12163_2_F1,21916	R.LNVLGNVVR.K	1287.805	0.00265	2	1	24.3	0
P12163_2_F1,22173	R.LNVLGNVVR.K	1287.805	0.00217	2	1	33.1	0
P12163_1_F3,10185	R.LSGQDVER.G	1207.658	0.00256	2	1	24.4	0
P12163_1_F8,19399	R.MAGFLSENRPVQTLR.	2023.106	0.00378	3	1	22.8	0
P12163_1_F2,10567	R.SASDVAICR.V	1282.673	0.00099	2	1	25.7	0
P12163_2_F1,10645	R.SSQYCTDVAK.A	1766.92	0.00464	2	1	53.8	0
P12163_1_F2,21471	K.DGVLYITIPK.A	1727.056	0.00118	2	1	29.1	0
P12163_1_F2,21517	K.DGVLYITIPK.A	1727.056	0.00267	3	1	26.6	0
P12163_1_F3,18195	K.DGVLYITIPK.A	1727.056	0.00398	2	1	29.4	0
P12163_1_F3,18213	K.DGVLYITIPK.A	1727.056	0.00447	3	1	25.8	0
P12163_1_F3,21908	K.DGVLYITIPK.A	1727.056	0.00339	3	1	26.6	0
P12163_1_F3,21914	K.DGVLYITIPK.A	1727.056	0.00634	2	1	47.9	0
P12163_1_F3,22114	K.DGVLYITIPK.A	1727.056	0.00354	2	1	59.1	0
P12163_1_F3,22286	K.DGVLYITIPK.A	1727.056	0.00315	3	1	27.3	0
P12163_1_F3,22351	K.DGVLYITIPK.A	1727.056	0.00654	2	1	47.7	0
P12163_1_F3,22594	K.DGVLYITIPK.A	1727.056	0.00034	2	1	37.4	0
P12163_1_F3,22838	K.DGVLYITIPK.A	1727.056	0.00758	2	1	38.7	0
P12163_1_F3,23122	K.DGVLYITIPK.A	1727.056	0.00892	2	1	42.7	0
P12163_1_F3,23133	K.DGVLYITIPK.A	1727.056	0.00204	3	1	22.6	0
P12163_1_F3,23389	K.DGVLYITIPK.A	1727.056	-0.00456	2	1	30.5	0
P12163_1_F3,23560	K.DGVLYITIPK.A	1727.056	-0.00201	3	1	24.2	0
P12163_1_F3,23654	K.DGVLYITIPK.A	1727.056	0.00974	2	1	34.4	0
P12163_1_F3,23884	K.DGVLYITIPK.A	1727.056	-0.00002	2	1	28	0
P12163_1_F4,22843	K.DGVLYITIPK.A	1727.056	0.0069	2	1	48.5	0
P12163_1_F4,22872	K.DGVLYITIPK.A	1727.056	0.00612	3	1	25.6	0
P12163_1_F5,21022	K.DGVLYITIPK.A	1727.056	0.01048	2	1	34.4	0
P12163_1_F5,21471	K.DGVLYITIPK.A	1727.056	0.00483	3	1	28.9	0
P12163_1_F5,21577	K.DGVLYITIPK.A	1727.056	0.00632	2	1	35.8	0
P12163_1_F5,22711	K.DGVLYITIPK.A	1727.056	0.00246	2	1	37.2	0
P12163_1_F5,23299	K.DGVLYITIPK.A	1727.056	0.00616	2	1	28.2	0
P12163_1_F6,20853	K.DGVLYITIPK.A	1727.056	-0.00003	3	1	27.4	0
P12163_1_F6,20884	K.DGVLYITIPK.A	1727.056	0.0044	2	1	46.8	0
P12163_1_F6,21077	K.DGVLYITIPK.A	1727.056	-0.0039	3	1	24.5	0
P12163_1_F6,21221	K.DGVLYITIPK.A	1727.056	-0.0005	2	1	45	0
P12163_1_F6,21314	K.DGVLYITIPK.A	1727.056	0.00279	3	1	23	0
P12163_1_F7,20448	K.DGVLYITIPK.A	1727.056	0.00294	3	1	22.9	0

P12163_1_F8,21456 K.DGVLYITIPK.A	1727.056	0.00228	3	1	27.2	0
P12163_1_F8,21484 K.DGVLYITIPK.A	1727.056	0.00622	2	1	47.2	0
P12163_1_F9,20844 K.DGVLYITIPK.A	1727.056	0.00708	2	1	53.6	0
P12163_1_S1,20123 K.DGVLYITIPK.A	1727.056	0.00888	2	1	34.3	0
P12163_2_F1,22381 K.DGVLYITIPK.A	1727.056	0.00512	2	1	35.9	0
P12163_2_F10,1802.K.DGVLYITIPK.A	1727.056	0.00249	3	1	25.3	0
P12163_2_F10,1806.K.DGVLYITIPK.A	1727.056	0.00684	2	1	34.3	0
P12163_2_F2,21417 K.DGVLYITIPK.A	1727.056	0.00126	2	1	41.9	0
P12163_2_F2,21424 K.DGVLYITIPK.A	1727.056	-0.00366	3	1	24.7	0
P12163_2_F4,19924 K.DGVLYITIPK.A	1727.056	0.00342	3	1	24.9	0
P12163_2_F6,21092 K.DGVLYITIPK.A	1727.056	0.00432	2	1	33.1	0
P12163_2_F7,19015 K.DGVLYITIPK.A	1727.056	0.00332	2	1	47.8	0
P12163_2_F7,19021 K.DGVLYITIPK.A	1727.056	0.0114	3	1	22.6	0
P12163_2_F7,19218 K.DGVLYITIPK.A	1727.056	0.0056	2	1	39.9	0
P12163_2_F9,19196 K.DGVLYITIPK.A	1727.056	0.01362	3	1	27.3	0
P12163_2_F9,19199 K.DGVLYITIPK.A	1727.056	0.00672	2	1	25.3	0
P12163_2_S3,17369 K.DGVLYITIPK.A	1727.056	0.00189	3	1	22.2	0
P12163_2_S5,19501 K.DGVLYITIPK.A	1727.056	0.00336	3	1	23.2	0
P12163_1_F5,11609 K.IQAEVK.D	1295.814	0.00704	3	1	24.2	0
P12163_1_F6,12656 K.IQAEVK.D	1295.814	0.00635	3	1	30	0
P12163_2_F2,12576 K.IQAEVK.D	1295.814	0.0044	3	1	24.2	0
P12163_2_S5,10969 K.IQAEVK.D	1295.814	0.00236	3	1	24.2	0
P12163_2_S5,11751 K.IQAEVK.D	1295.814	0.00437	3	1	24.6	0
P12163_2_F7,15441 K.IRLDVPGM*SR.N	1463.831	-0.00026	3	1	30.8	0
P12163_1_F9,17322 K.IRLDVPGMSR.N	1447.836	0.00415	3	1	30.3	0
P12163_2_F7,15440 K.IRLDVPGMSR.N	1447.836	-0.00125	3	1	32.8	0
P12163_2_F10,1629 K.VRVEESMLVIK.A	1911.156	0.00327	3	1	27.6	0
P12163_2_F6,18365 K.VRVEESMLVIK.A	1911.156	0.00408	3	1	27.5	0
P12163_2_F7,16442 K.VRVEESMLVIK.A	1911.156	0.00282	3	1	28.2	0
P12163_1_F4,22460 R.AAPVSSPGIWDSFPAA	2033.076	0.00262	2	1	36	0
P12163_1_F4,22533 R.AAPVSSPGIWDSFPAA	2033.076	0.00087	3	1	65.1	0
P12163_1_F8,21511 R.AAPVSSPGIWDSFPAA	2033.076	0.00056	2	1	33.5	0
P12163_1_F8,21567 R.AAPVSSPGIWDSFPAA	2033.076	0.00153	3	1	47.5	0
P12163_2_F1,21963 R.AAPVSSPGIWDSFPAA	2033.076	-0.00219	3	1	48.5	0
P12163_2_F4,19997 R.AAPVSSPGIWDSFPAA	2033.076	-0.00039	3	1	38.6	0
P12163_2_F6,21184 R.AAPVSSPGIWDSFPAA	2033.076	0.0004	2	1	42.4	0
P12163_2_F6,21218 R.AAPVSSPGIWDSFPAA	2033.076	0.00138	3	1	46.1	0
P12163_2_S5,19894 R.AAPVSSPGIWDSFPAA	2033.076	0.00336	3	1	62.8	0
P12163_1_F5,8028 R.ETENDYK.I	1506.79	0.00725	3	1	34.6	0
P12163_1_F6,9278 R.ETENDYK.I	1506.79	-0.00001	3	1	22	0
P12163_2_F1,8503 R.ETENDYK.I	1506.79	0.00371	3	1	32.5	0
P12163_2_S5,9230 R.ETENDYK.I	1506.79	0.00647	3	1	34.5	0
P12163_1_F2,9828 R.GSLDHLQR.S	1229.69	0.00288	3	1	28.9	0
P12163_1_F3,9975 R.GSLDHLQR.S	1229.69	0.00504	3	1	28.6	0
P12163_1_F4,10440 R.GSLDHLQR.S	1229.69	0.00495	3	1	48.9	0
P12163_1_F5,5957 R.GSLDHLQR.S	1229.69	0.00513	3	1	29.9	0
P12163_1_F5,7895 R.GSLDHLQR.S	1229.69	0.00423	3	1	39.4	0
P12163_1_F5,8556 R.GSLDHLQR.S	1229.69	0.00228	3	1	52.5	0
P12163_1_F6,9289 R.GSLDHLQR.S	1229.69	0.00012	3	1	39.1	0
P12163_1_F6,10077 R.GSLDHLQR.S	1229.69	0.00465	3	1	41.6	0
P12163_1_F7,9017 R.GSLDHLQR.S	1229.69	0.00213	3	1	41.4	0

P12163_1_F7,9668	R.GSLDHLQR.S	1229.69	0.00378	3	1	42.8	0
P12163_1_F8,9915	R.GSLDHLQR.S	1229.69	0.00027	3	1	50.9	0
P12163_1_F9,8919	R.GSLDHLQR.S	1229.69	0.00294	3	1	42.8	0
P12163_1_F9,9798	R.GSLDHLQR.S	1229.69	-0.00015	2	1	30.5	0
P12163_1_F9,9865	R.GSLDHLQR.S	1229.69	0.00099	3	1	52.9	0
P12163_1_F9,11007	R.GSLDHLQR.S	1229.69	0.00024	3	1	26.2	0
P12163_1_F9,11289	R.GSLDHLQR.S	1229.69	0.0036	3	1	54.4	0
P12163_1_F9,11632	R.GSLDHLQR.S	1229.69	0.00342	3	1	51.9	0
P12163_1_F9,11894	R.GSLDHLQR.S	1229.69	0.00435	3	1	33.9	0
P12163_1_F9,12200	R.GSLDHLQR.S	1229.69	0.00333	3	1	52.1	0
P12163_1_F9,12746	R.GSLDHLQR.S	1229.69	-0.00099	3	1	46.2	0
P12163_1_F9,13270	R.GSLDHLQR.S	1229.69	0.00243	3	1	57	0
P12163_1_F9,13518	R.GSLDHLQR.S	1229.69	0.00468	3	1	39	0
P12163_1_S10,1058	R.GSLDHLQR.S	1229.69	0.00315	3	1	30.4	0
P12163_2_F10,9934	R.GSLDHLQR.S	1229.69	0.00216	3	1	34.8	0
P12163_2_F4,8389	R.GSLDHLQR.S	1229.69	-0.00149	2	1	26.1	0
P12163_2_F4,8402	R.GSLDHLQR.S	1229.69	-0.00117	3	1	42.4	0
P12163_2_F4,9142	R.GSLDHLQR.S	1229.69	0.00204	3	1	46.8	0
P12163_2_F7,8442	R.GSLDHLQR.S	1229.69	0.00246	3	1	39.3	0
P12163_2_F7,9315	R.GSLDHLQR.S	1229.69	0.00327	3	1	52.9	0
P12163_2_F8_12070	R.GSLDHLQR.S	1229.69	0.00426	3	1	35.8	0
P12163_2_F9,9651	R.GSLDHLQR.S	1229.69	0.00279	3	1	53	0
P12163_2_F9,9854	R.GSLDHLQR.S	1229.69	0.00333	3	1	53	0
P12163_2_F9,9857	R.GSLDHLQR.S	1229.69	0.00501	2	1	31.8	0
P12163_2_F9,10090	R.GSLDHLQR.S	1229.69	0.00393	3	1	38.1	0
P12163_2_S3,8615	R.GSLDHLQR.S	1229.69	0.00003	3	1	35.2	0
P12163_2_S3,9169	R.GSLDHLQR.S	1229.69	0.00438	3	1	43.5	0
P12163_2_S5,7095	R.GSLDHLQR.S	1229.69	0.00062	4	1	22.2	0
P12163_2_S5,8930	R.GSLDHLQR.S	1229.69	0.00318	3	1	31	0
P12163_2_S5,9133	R.GSLDHLQR.S	1229.69	-0.00298	4	1	35.6	0
P12163_2_S5,9143	R.GSLDHLQR.S	1229.69	0.00039	3	1	39.7	0
P12163_2_S5,9593	R.GSLDHLQR.S	1229.69	0.00282	3	1	36.6	0
P12163_2_S5,9708	R.GSLDHLQR.S	1229.69	0.00197	2	1	32.3	0
P12163_2_S5,9807	R.GSLDHLQR.S	1229.69	-0.0006	3	1	53.1	0
P12163_2_S5,10016	R.GSLDHLQR.S	1229.69	0.00297	3	1	38.7	0
P12163_2_S5,10237	R.GSLDHLQR.S	1229.69	0.00336	3	1	25.6	0
P12163_1_F2,19639	R.IALPDNVEFEK.I	1883.073	0.00608	3	1	31.4	0
P12163_1_F2,20020	R.IALPDNVEFEK.I	1883.073	0.00728	3	1	29.7	0
P12163_1_F2,20021	R.IALPDNVEFEK.I	1883.073	0.00621	2	1	27.2	0
P12163_1_F2,20275	R.IALPDNVEFEK.I	1883.073	0.0038	3	1	34.1	0
P12163_1_F3,20537	R.IALPDNVEFEK.I	1883.073	0.00653	3	1	29.6	0
P12163_1_F3,20787	R.IALPDNVEFEK.I	1883.073	0.00059	3	1	38.4	0
P12163_1_F3,20808	R.IALPDNVEFEK.I	1883.073	0.00589	2	1	39.8	0
P12163_1_F4,222	R.IALPDNVEFEK.I	1883.073	0.00308	3	1	31.5	0
P12163_1_F4,21211	R.IALPDNVEFEK.I	1883.073	0.00785	3	1	30.3	0
P12163_1_F4,21218	R.IALPDNVEFEK.I	1883.073	0.00435	2	1	43.9	0
P12163_1_F5,19544	R.IALPDNVEFEK.I	1883.073	-0.00085	3	1	30.5	0
P12163_1_F5,19550	R.IALPDNVEFEK.I	1883.073	0.00327	2	1	34	0
P12163_1_F5,19971	R.IALPDNVEFEK.I	1883.073	0.00529	2	1	33.4	0
P12163_1_F6,19579	R.IALPDNVEFEK.I	1883.073	0.0056	3	1	26.3	0
P12163_1_F6,19976	R.IALPDNVEFEK.I	1883.073	0.00323	3	1	27.8	0

P12163_1_F6,20008	R.IALPDNVEFEK.I	1883.073	0.00565	2	1	30.4	0
P12163_1_F6,21243	R.IALPDNVEFEK.I	1883.073	0.00224	3	1	25.5	0
P12163_1_F7,19155	R.IALPDNVEFEK.I	1883.073	0.00687	2	1	33.9	0
P12163_1_F8,20129	R.IALPDNVEFEK.I	1883.073	0.00827	3	1	29.4	0
P12163_1_F9,19619	R.IALPDNVEFEK.I	1883.073	0.00707	2	1	28	0
P12163_1_F9,19637	R.IALPDNVEFEK.I	1883.073	0.00593	3	1	29.2	0
P12163_1_S1,18481	R.IALPDNVEFEK.I	1883.073	0.00793	2	1	28.3	0
P12163_1_S1,18525	R.IALPDNVEFEK.I	1883.073	0.0059	4	1	36.8	0
P12163_1_S10,1831	R.IALPDNVEFEK.I	1883.073	0.00533	3	1	23	0
P12163_2_F2,20195	R.IALPDNVEFEK.I	1883.073	0.00227	3	1	28.7	0
P12163_2_F4,18817	R.IALPDNVEFEK.I	1883.073	0.00497	3	1	32.2	0
P12163_2_S5,18258	R.IALPDNVEFEK.I	1883.073	0.00374	3	1	23.6	0
P12163_1_F7,23298	R.IM*EDPFAYGVTWPSQ	2474.196	0.0047	3	1	36.8	0
P12163_2_S5,20885	R.IM*EDPFAYGVTWPSQ	2474.196	0.0032	3	1	34.1	0
P12163_1_F3,25536	R.IMEDPFAYGVTWPSQC	2458.201	0.00135	3	1	50.4	0
P12163_1_F2,14537	R.LDVPGM*SR.N	1194.645	0.00371	3	1	26.4	0
P12163_1_F2,14419	R.LDVPGMSR.N	1178.65	0.00308	3	1	25.1	0
P12163_1_F2,14661	R.LDVPGMSR.N	1178.65	0.00341	3	1	27	0
P12163_1_F2,16042	R.LDVPGMSR.N	1178.65	0.00458	3	1	22	0
P12163_1_F3,15057	R.LDVPGMSR.N	1178.65	0.00374	3	1	24.7	0
P12163_1_F6,14521	R.LDVPGMSR.N	1178.65	0.00212	3	1	22.8	0
P12163_1_F7,15438	R.NEANTDGSTVEEEEEV	3312.435	0.01256	3	1	55.4	0
P12163_1_F5,4922	R.SSLNQSQPK.K	1596.917	0.00611	3	1	26.1	0
P12163_1_F5,6642	R.SSLNQSQPK.K	1596.917	0.00764	2	1	30.5	0
P12163_1_F5,7763	R.SSLNQSQPK.K	1596.917	-0.00018	2	1	35.2	0
P12163_1_F5,7893	R.SSLNQSQPK.K	1596.917	0.0032	3	1	48.9	0
P12163_1_F5,8013	R.SSLNQSQPK.K	1596.917	0.0047	2	1	30.2	0
P12163_1_F5,8127	R.SSLNQSQPK.K	1596.917	0.00434	3	1	28.4	0
P12163_1_F5,8589	R.SSLNQSQPK.K	1596.917	0.00233	3	1	34.2	0
P12163_1_F5,9486	R.SSLNQSQPK.K	1596.917	0.0094	2	1	32.9	0
P12163_1_F5,16603	R.SSLNQSQPK.K	1596.917	0.00464	2	1	28.1	0
P12163_1_F5,17460	R.SSLNQSQPK.K	1596.917	0.008	2	1	25.3	0
P12163_1_F6,7955	R.SSLNQSQPK.K	1596.917	0.01157	3	1	35.6	0
P12163_1_F6,8988	R.SSLNQSQPK.K	1596.917	0.00484	2	1	28.6	0
P12163_1_F6,9062	R.SSLNQSQPK.K	1596.917	0.00773	3	1	45.8	0
P12163_1_F7,8619	R.SSLNQSQPK.K	1596.917	0.00728	3	1	34.7	0
P12163_1_F9,8669	R.SSLNQSQPK.K	1596.917	0.00576	2	1	31.8	0
P12163_1_S10,8439	R.SSLNQSQPK.K	1596.917	0.00533	3	1	28.8	0
P12163_1_S10,9339	R.SSLNQSQPK.K	1596.917	0.00497	3	1	46.4	0
P12163_2_F1,8459	R.SSLNQSQPK.K	1596.917	0.00494	3	1	38.2	0
P12163_2_F10,7997	R.SSLNQSQPK.K	1596.917	0.00761	3	1	22.7	0
P12163_2_F10,8997	R.SSLNQSQPK.K	1596.917	0.00482	3	1	46.1	0
P12163_2_F2,7417	R.SSLNQSQPK.K	1596.917	0.00524	3	1	28.2	0
P12163_2_F2,7821	R.SSLNQSQPK.K	1596.917	0.00834	2	1	26.2	0
P12163_2_F2,8242	R.SSLNQSQPK.K	1596.917	0.00572	3	1	24.7	0
P12163_2_F2,8640	R.SSLNQSQPK.K	1596.917	0.00842	3	1	48.3	0
P12163_2_F2,8647	R.SSLNQSQPK.K	1596.917	0.00722	2	1	39.3	0
P12163_2_F2,8881	R.SSLNQSQPK.K	1596.917	0.00726	2	1	30.8	0
P12163_2_F2,9027	R.SSLNQSQPK.K	1596.917	0.00578	3	1	31.8	0
P12163_2_F2,9290	R.SSLNQSQPK.K	1596.917	0.00542	3	1	38.8	0
P12163_2_F2,9562	R.SSLNQSQPK.K	1596.917	0.00948	2	1	39	0

P12163_2_F2,9862	R.SSLNQSQPK.K	1596.917	0.00264	2	1	35.6	0
P12163_2_F2,10046	R.SSLNQSQPK.K	1596.917	0.01032	2	1	38.5	0
P12163_2_F4,8205	R.SSLNQSQPK.K	1596.917	-0.00372	2	1	29.7	0
P12163_2_F6,8108	R.SSLNQSQPK.K	1596.917	-0.00043	3	1	38.9	0
P12163_2_S3,8225	R.SSLNQSQPK.K	1596.917	-0.00006	2	1	27.3	0
P12163_2_S5,7035	R.SSLNQSQPK.K	1596.917	0.00203	3	1	29.6	0
P12163_2_S5,8016	R.SSLNQSQPK.K	1596.917	0.00101	3	1	44.2	0
P12163_2_S5,8161	R.SSLNQSQPK.K	1596.917	0.0029	2	1	39.3	0
P12163_2_S5,8219	R.SSLNQSQPK.K	1596.917	0.00095	3	1	43.2	0
P12163_2_S5,8658	R.SSLNQSQPK.K	1596.917	0.0062	3	1	44.1	0
P12163_2_S5,19036	R.SSLNQSQPK.K	1596.917	0.00209	3	1	30.8	0
P12163_1_F2,6516	R.TVQQM*M*ETM*ER.I	1735.797	0.00092	3	1	28.3	0
P12163_1_F2,6741	R.TVQQM*M*ETM*ER.I	1735.797	0.00194	3	1	30.5	0
P12163_1_F2,6959	R.TVQQM*M*ETM*ER.I	1735.797	0.0029	3	1	26.4	0
P12163_1_F2,9111	R.TVQQM*M*ETM*ER.I	1735.797	0.00128	3	1	26.9	0
P12163_1_F2,9349	R.TVQQM*M*ETM*ER.I	1735.797	0.00446	3	1	28.5	0
P12163_1_F2,9712	R.TVQQM*M*ETM*ER.I	1735.797	-0.00544	3	1	26.6	0
P12163_1_F2,10471	R.TVQQM*M*ETM*ER.I	1735.797	0.0026	3	1	28.7	0
P12163_1_F2,12977	R.TVQQM*M*ETM*ER.I	1735.797	0.00308	3	1	24.3	0
P12163_1_F2,15388	R.TVQQM*M*ETM*ER.I	1735.797	0.00575	3	1	31.2	0
P12163_1_F2,15642	R.TVQQM*M*ETM*ER.I	1735.797	0.00287	3	1	30.3	0
P12163_1_F2,16330	R.TVQQM*M*ETM*ER.I	1735.797	0.00437	3	1	26.7	0
P12163_1_F2,16586	R.TVQQM*M*ETM*ER.I	1735.797	0.00236	3	1	24.6	0
P12163_1_F2,16867	R.TVQQM*M*ETM*ER.I	1735.797	0.00287	3	1	26.2	0
P12163_1_F2,17413	R.TVQQM*M*ETM*ER.I	1735.797	0.00548	3	1	22.5	0
P12163_1_F2,18530	R.TVQQM*M*ETM*ER.I	1735.797	0.00299	3	1	25.8	0
P12163_1_F2,19184	R.TVQQM*M*ETM*ER.I	1735.797	0.00227	3	1	22.9	0
P12163_1_F2,19658	R.TVQQM*M*ETM*ER.I	1735.797	0.00029	3	1	22.4	0
P12163_1_F2,19901	R.TVQQM*M*ETM*ER.I	1735.797	0.00122	3	1	27.8	0
P12163_1_F2,20830	R.TVQQM*M*ETM*ER.I	1735.797	0.00173	3	1	38.5	0
P12163_1_S1,7405	R.TVQQM*M*ETM*ER.I	1735.797	0.00437	3	1	33.8	0
P12163_1_F2,9226	R.TVQQM*M*ETM*ER.I !	1719.802	0.00318	3	1	23.1	0
P12163_1_F2,9459	R.TVQQM*M*ETM*ER.I !	1719.802	0.00303	3	1	28.4	0
P12163_1_F2,9698	R.TVQQM*M*ETM*ER.I !	1719.802	-0.00153	3	1	28.3	0
P12163_1_F2,15172	R.TVQQM*M*ETM*ER.I !	1719.802	0.00492	3	1	26.9	0
P12163_1_F2,15464	R.TVQQM*M*ETM*ER.I !	1719.802	0.00171	3	1	28	0
P12163_1_F2,20864	R.TVQQM*M*ETM*ER.I !	1719.802	0.00177	3	1	36.7	0
P12163_1_S1,7209	R.TVQQM*M*ETM*ER.I !	1719.802	0.00585	3	1	43.9	0
P12163_1_S1,10882	R.TVQQM*M*ETM*ER.I !	1719.802	-0.00339	3	1	29.1	0
P12163_1_S1,12694	R.TVQQM*M*ETM*ER.I !	1719.802	0.00201	3	1	26.6	0
P12163_1_F2,9094	R.TVQQM*M*ETM*ER.I ! R	1703.807	0.00195	3	1	26.1	0
P12163_1_F2,10982	R.TVQQM*M*ETM*ER.I ! R	1703.807	-0.00192	3	1	24.4	0
P12163_1_F2,14638	R.TVQQM*M*ETM*ER.I ! R	1703.807	0.00307	2	1	42.9	0
P12163_1_S1,11375	R.TVQQM*M*ETM*ER.I ! R	1703.807	-0.00006	3	1	27.4	0
P12163_1_S1,14742	R.TVQQM*M*ETM*ER.I ! R	1703.807	0.00075	3	1	24.1	0
P12163_1_S1,14846	R.TVQQM*M*ETM*ER.I ! R	1703.807	0.00417	2	1	37.1	0
P12163_1_F2,10808	R.TVQQM*M*ETM*ER.I !	1719.802	-0.00431	2	1	24.5	0
P12163_1_F2,15544	R.TVQQM*M*ETM*ER.I !	1719.802	0.00273	2	1	27.4	0
P12163_1_F2,21044	R.TVQQM*M*ETM*ER.I !	1719.802	0.00425	2	1	28.3	0
P12163_1_F2,21345	R.TVQQM*M*ETM*ER.I !	1719.802	0.00321	2	1	27	0
P12163_1_S1,7388	R.TVQQM*M*ETM*ER.I !	1719.802	0.00339	3	1	29.3	0

P12163_1_S1,9551	R.TVQQMM*ETM*ER.I!	1719.802	0.00324	3	1	30.8	0
P12163_1_F2,9569	R.TVQQMM*ETMER.I! F	1703.807	0.00285	3	1	26.9	0
P12163_1_F2,10426	R.TVQQMM*ETMER.I! F	1703.807	0.00312	3	1	30.9	0
P12163_1_F2,10681	R.TVQQMM*ETMER.I! F	1703.807	0.00366	3	1	31.1	0
P12163_1_F2,11040	R.TVQQMM*ETMER.I! F	1703.807	0.00417	2	1	24.9	0
P12163_1_F2,11275	R.TVQQMM*ETMER.I! F	1703.807	0.00123	3	1	25.6	0
P12163_1_F2,12876	R.TVQQMM*ETMER.I! F	1703.807	0.00579	3	1	29.8	0
P12163_1_F2,12964	R.TVQQMM*ETMER.I! F	1703.807	0.00349	2	1	26	0
P12163_1_F2,13141	R.TVQQMM*ETMER.I! F	1703.807	0.00072	3	1	24.4	0
P12163_1_F2,13403	R.TVQQMM*ETMER.I! F	1703.807	0.00135	3	1	26.4	0
P12163_1_F2,13747	R.TVQQMM*ETMER.I! F	1703.807	0.00276	3	1	29.1	0
P12163_1_F2,14312	R.TVQQMM*ETMER.I! F	1703.807	0.00762	3	1	26.7	0
P12163_1_F2,15614	R.TVQQMM*ETMER.I! F	1703.807	0.00252	3	1	23.2	0
P12163_1_F2,16019	R.TVQQMM*ETMER.I! F	1703.807	0.00379	2	1	33.6	0
P12163_1_F2,17870	R.TVQQMM*ETMER.I! F	1703.807	0.00195	3	1	23.4	0
P12163_1_F2,20887	R.TVQQMM*ETMER.I! F	1703.807	0.0033	3	1	23.1	0
P12163_1_F2,21065	R.TVQQMM*ETMER.I! F	1703.807	0.00279	2	1	38.8	0
P12163_1_S1,9604	R.TVQQMM*ETMER.I! F	1703.807	0.00267	3	1	34.8	0
P12163_1_S1,12711	R.TVQQMM*ETMER.I! F	1703.807	0.00327	3	1	26	0
P12163_1_S1,15588	R.TVQQMM*ETMER.I! F	1703.807	0.0036	3	1	28.9	0
P12163_1_F2,9337	R.TVQQMMETM*ER.I! F	1703.807	0.00363	3	1	25.3	0
P12163_1_F2,9382	R.TVQQMMETM*ER.I! F	1703.807	0.00387	2	1	40.3	0
P12163_1_F2,15481	R.TVQQMMETM*ER.I! F	1703.807	0.00291	2	1	36.5	0
P12163_1_F2,20843	R.TVQQMMETM*ER.I! F	1703.807	0.00395	2	1	32.5	0
P12163_1_F4,21993	R.TVQQMMETM*ER.I! F	1703.807	0.00423	2	1	39.8	0
P12163_1_F2,9185	R.TVQQMMETMER.I! R.	1687.812	0.00132	3	1	28.2	0
P12163_1_F2,12761	R.TVQQMMETMER.I! R.	1687.812	0.00451	2	1	36.3	0
P12163_1_F2,12889	R.TVQQMMETMER.I! R.	1687.812	-0.00306	3	1	37.8	0
P12163_1_F2,13024	R.TVQQMMETMER.I! R.	1687.812	0.00325	2	1	54.1	0
P12163_1_F2,13150	R.TVQQMMETMER.I! R.	1687.812	0.00144	3	1	33.6	0
P12163_1_F2,13284	R.TVQQMMETMER.I! R.	1687.812	0.00333	2	1	35.9	0
P12163_1_F2,13412	R.TVQQMMETMER.I! R.	1687.812	0.00477	3	1	36.3	0
P12163_1_F2,13693	R.TVQQMMETMER.I! R.	1687.812	0.00168	3	1	37.9	0
P12163_1_F2,13855	R.TVQQMMETMER.I! R.	1687.812	0.00753	2	1	30.2	0
P12163_1_F2,14048	R.TVQQMMETMER.I! R.	1687.812	0.00945	3	1	35	0
P12163_1_F2,14261	R.TVQQMMETMER.I! R.	1687.812	-0.00117	3	1	28.6	0
P12163_1_F2,14329	R.TVQQMMETMER.I! R.	1687.812	0.01143	2	1	32.5	0
P12163_1_F2,14465	R.TVQQMMETMER.I! R.	1687.812	-0.00129	3	1	35.6	0
P12163_1_F2,14714	R.TVQQMMETMER.I! R.	1687.812	0.00165	3	1	26.7	0
P12163_1_F2,14950	R.TVQQMMETMER.I! R.	1687.812	-0.00033	3	1	25.5	0
P12163_1_F2,15034	R.TVQQMMETMER.I! R.	1687.812	0.00197	2	1	28.1	0
P12163_1_F2,15284	R.TVQQMMETMER.I! R.	1687.812	0.00201	2	1	25.6	0
P12163_1_F2,15310	R.TVQQMMETMER.I! R.	1687.812	0.00288	3	1	39.8	0
P12163_1_F2,15534	R.TVQQMMETMER.I! R.	1687.812	0.00367	2	1	51.1	0
P12163_1_F2,15558	R.TVQQMMETMER.I! R.	1687.812	-0.00123	3	1	40.6	0
P12163_1_F2,20904	R.TVQQMMETMER.I! R.	1687.812	0.00225	3	1	38.4	0
P12163_1_F2,20969	R.TVQQMMETMER.I! R.	1687.812	-0.00295	2	1	46.1	0
P12163_1_F2,21346	R.TVQQMMETMER.I! R.	1687.812	0.00375	2	1	36.1	0
P12163_1_F3,13138	R.TVQQMMETMER.I! R.	1687.812	0.00431	2	1	25	0
P12163_1_F4,21978	R.TVQQMMETMER.I! R.	1687.812	-0.00109	2	1	36.4	0
P12163_1_F5,12153	R.TVQQMMETMER.I! R.	1687.812	0.00349	2	1	24.2	0

P12163_1_F5,20385	R.TVQQMMETMER.I! R.	1687.812	0.00473	2	1	26	0
P12163_1_F8,20786	R.TVQQMMETMER.I! R.	1687.812	0.00329	2	1	35.1	0
P12163_1_S1,9452	R.TVQQMMETMER.I! R.	1687.812	0.00123	3	1	23.7	0
P12163_1_S1,15436	R.TVQQMMETMER.I! R.	1687.812	0.00243	3	1	26	0
P12163_1_S1,20678	R.TVQQMMETMER.I! R.	1687.812	-0.00033	3	1	45.7	0
P12163_1_S1,20754	R.TVQQMMETMER.I! R.	1687.812	0.00371	2	1	46.7	0
P12163_2_F1,21155	R.TVQQMMETMER.I! R.	1687.812	0.00689	2	1	29.5	0
P12163_1_F2,18934	R.VEESM*LVIK.A	1671.981	0.00562	3	1	43.8	0
P12163_1_F3,17192	R.VEESM*LVIK.A	1671.981	0.00325	3	1	38.2	0
P12163_1_F4,17667	R.VEESM*LVIK.A	1671.981	0.00569	2	1	27.3	0
P12163_1_F4,17697	R.VEESM*LVIK.A	1671.981	0.0049	3	1	31	0
P12163_1_F4,20428	R.VEESM*LVIK.A	1671.981	0.01396	3	1	27.8	0
P12163_1_F4,20880	R.VEESM*LVIK.A	1671.981	0.00961	3	1	41.9	0
P12163_1_F4,20907	R.VEESM*LVIK.A	1671.981	0.00873	2	1	31.4	0
P12163_1_F4,21110	R.VEESM*LVIK.A	1671.981	0.00493	3	1	39.6	0
P12163_1_F4,23028	R.VEESM*LVIK.A	1671.981	0.01083	2	1	36.4	0
P12163_1_F4,23266	R.VEESM*LVIK.A	1671.981	0.00499	3	1	31.1	0
P12163_1_F4,23293	R.VEESM*LVIK.A	1671.981	0.00527	2	1	27.7	0
P12163_1_F4,23568	R.VEESM*LVIK.A	1671.981	0.00667	2	1	33.5	0
P12163_1_F5,16413	R.VEESM*LVIK.A	1671.981	0.01047	2	1	24.1	0
P12163_1_F6,16464	R.VEESM*LVIK.A	1671.981	0.0013	3	1	30.3	0
P12163_1_F6,16958	R.VEESM*LVIK.A	1671.981	0.00511	3	1	27.3	0
P12163_1_F6,19454	R.VEESM*LVIK.A	1671.981	0.00166	3	1	35.1	0
P12163_1_F6,19895	R.VEESM*LVIK.A	1671.981	0.00469	3	1	33.1	0
P12163_1_F6,21384	R.VEESM*LVIK.A	1671.981	0.00364	3	1	33.3	0
P12163_1_F7,15615	R.VEESM*LVIK.A	1671.981	0.00184	3	1	33	0
P12163_1_F7,16094	R.VEESM*LVIK.A	1671.981	0.00046	3	1	30.2	0
P12163_1_F7,18511	R.VEESM*LVIK.A	1671.981	-0.00188	3	1	28.8	0
P12163_1_F7,20431	R.VEESM*LVIK.A	1671.981	0.01222	3	1	25.7	0
P12163_1_F8,82	R.VEESM*LVIK.A	1671.981	0.0031	3	1	27	0
P12163_1_F8,19970	R.VEESM*LVIK.A	1671.981	0.00292	3	1	46.2	0
P12163_1_F9,16759	R.VEESM*LVIK.A	1671.981	0.00508	3	1	31.5	0
P12163_1_S10,1609	R.VEESM*LVIK.A	1671.981	0.0043	3	1	34.6	0
P12163_2_F1,20356	R.VEESM*LVIK.A	1671.981	0.00765	2	1	29.3	0
P12163_2_F2,41	R.VEESM*LVIK.A	1671.981	0.00301	3	1	27.7	0
P12163_2_F2,805	R.VEESM*LVIK.A	1671.981	0.00635	2	1	36.2	0
P12163_2_F2,1003	R.VEESM*LVIK.A	1671.981	0.00705	2	1	27.2	0
P12163_2_F2,1205	R.VEESM*LVIK.A	1671.981	0.00523	2	1	38.6	0
P12163_2_F2,1587	R.VEESM*LVIK.A	1671.981	0.00583	2	1	36.2	0
P12163_2_F2,1788	R.VEESM*LVIK.A	1671.981	0.00487	2	1	30.5	0
P12163_2_F2,2166	R.VEESM*LVIK.A	1671.981	0.00539	2	1	39.7	0
P12163_2_F2,2206	R.VEESM*LVIK.A	1671.981	0.00658	3	1	28.4	0
P12163_2_F2,2358	R.VEESM*LVIK.A	1671.981	0.00747	2	1	28.1	0
P12163_2_F2,2392	R.VEESM*LVIK.A	1671.981	0.00694	3	1	41.4	0
P12163_2_F4,15209	R.VEESM*LVIK.A	1671.981	-0.00269	3	1	23.5	0
P12163_2_F4,15723	R.VEESM*LVIK.A	1671.981	0.0034	3	1	22.3	0
P12163_2_F4,18127	R.VEESM*LVIK.A	1671.981	0.00181	3	1	39.7	0
P12163_2_F4,18642	R.VEESM*LVIK.A	1671.981	0.00376	3	1	33	0
P12163_2_F4,19080	R.VEESM*LVIK.A	1671.981	0.00598	3	1	23.9	0
P12163_2_F6,19477	R.VEESM*LVIK.A	1671.981	0.00562	3	1	32.9	0
P12163_2_S3,13889	R.VEESM*LVIK.A	1671.981	0.00058	3	1	26.3	0

P12163_1_F3,16776 R.VEESMLVIK.A	1655.986	0.00495	2	1	25.3	0
P12163_1_F3,20449 R.VEESMLVIK.A	1655.986	0.00265	3	1	35.2	0
P12163_1_F3,20456 R.VEESMLVIK.A	1655.986	0.00369	2	1	45.4	0
P12163_1_F3,20711 R.VEESMLVIK.A	1655.986	0.0055	3	1	35.3	0
P12163_1_F3,20713 R.VEESMLVIK.A	1655.986	0.00465	2	1	45.7	0
P12163_1_F4,17136 R.VEESMLVIK.A	1655.986	0.00646	3	1	23.6	0
P12163_1_F4,17204 R.VEESMLVIK.A	1655.986	0.00459	2	1	25.1	0
P12163_1_F4,20860 R.VEESMLVIK.A	1655.986	0.00765	2	1	44.9	0
P12163_1_F4,21091 R.VEESMLVIK.A	1655.986	0.00661	2	1	47.7	0
P12163_1_F4,21100 R.VEESMLVIK.A	1655.986	0.00577	3	1	35.3	0
P12163_1_F4,21320 R.VEESMLVIK.A	1655.986	0.00209	2	1	43.9	0
P12163_1_F4,21349 R.VEESMLVIK.A	1655.986	0.007	3	1	33.9	0
P12163_1_F4,22745 R.VEESMLVIK.A	1655.986	0.00454	3	1	22.3	0
P12163_1_F4,23048 R.VEESMLVIK.A	1655.986	0.00484	3	1	29.7	0
P12163_1_F4,23058 R.VEESMLVIK.A	1655.986	0.00631	2	1	45.3	0
P12163_1_F4,23309 R.VEESMLVIK.A	1655.986	0.00715	3	1	35.4	0
P12163_1_F4,23325 R.VEESMLVIK.A	1655.986	0.00709	2	1	43.9	0
P12163_1_F5,19737 R.VEESMLVIK.A	1655.986	0.00021	2	1	54.3	0
P12163_1_F5,19757 R.VEESMLVIK.A	1655.986	0.00505	3	1	33.3	0
P12163_1_F5,22714 R.VEESMLVIK.A	1655.986	0.00259	3	1	30.8	0
P12163_1_F6,19368 R.VEESMLVIK.A	1655.986	0.00179	2	1	41.5	0
P12163_1_F6,19776 R.VEESMLVIK.A	1655.986	0.00121	3	1	30.1	0
P12163_1_F6,19785 R.VEESMLVIK.A	1655.986	0.00573	2	1	48.8	0
P12163_1_F7,18502 R.VEESMLVIK.A	1655.986	-0.00974	3	1	23.9	0
P12163_1_F7,18523 R.VEESMLVIK.A	1655.986	0.00187	2	1	37.2	0
P12163_1_F7,18949 R.VEESMLVIK.A	1655.986	0.00736	3	1	25.5	0
P12163_1_F7,18987 R.VEESMLVIK.A	1655.986	0.00365	2	1	51.8	0
P12163_1_F8,19901 R.VEESMLVIK.A	1655.986	0.00652	3	1	39.8	0
P12163_1_F9,19388 R.VEESMLVIK.A	1655.986	0.0076	3	1	40.2	0
P12163_1_F9,19420 R.VEESMLVIK.A	1655.986	0.00881	2	1	45.6	0
P12163_1_S10,1855: R.VEESMLVIK.A	1655.986	0.00538	3	1	39.5	0
P12163_2_F1,16259 R.VEESMLVIK.A	1655.986	0.00367	2	1	24.7	0
P12163_2_F1,20252 R.VEESMLVIK.A	1655.986	0.00352	3	1	46.6	0
P12163_2_F1,20258 R.VEESMLVIK.A	1655.986	0.00491	2	1	45.1	0
P12163_2_F1,20493 R.VEESMLVIK.A	1655.986	0.00619	2	1	47.5	0
P12163_2_F1,20505 R.VEESMLVIK.A	1655.986	0.00541	3	1	45.5	0
P12163_2_F1,20733 R.VEESMLVIK.A	1655.986	0.00361	3	1	24	0
P12163_2_F1,20734 R.VEESMLVIK.A	1655.986	0.00343	2	1	43.5	0
P12163_2_F1,25276 R.VEESMLVIK.A	1655.986	0.00229	3	1	23.8	0
P12163_2_F2,72 R.VEESMLVIK.A	1655.986	0.00427	3	1	33.7	0
P12163_2_F2,78 R.VEESMLVIK.A	1655.986	0.00243	2	1	59.1	0
P12163_2_F4,18164 R.VEESMLVIK.A	1655.986	0.00265	2	1	43.8	0
P12163_2_F4,18298 R.VEESMLVIK.A	1655.986	-0.00122	3	1	34.4	0
P12163_2_F4,18529 R.VEESMLVIK.A	1655.986	0.00571	3	1	37.1	0
P12163_2_F4,18530 R.VEESMLVIK.A	1655.986	0.00251	2	1	32.2	0
P12163_2_F6,19402 R.VEESMLVIK.A	1655.986	0.00316	3	1	41.8	0
P12163_2_F6,19465 R.VEESMLVIK.A	1655.986	0.00093	2	1	45.6	0
P12163_2_F7,13316 R.VEESMLVIK.A	1655.986	-0.00401	3	1	28.3	0
P12163_2_F9,18028 R.VEESMLVIK.A	1655.986	0.00733	2	1	47.4	0
P12163_2_S3,16353 R.VEESMLVIK.A	1655.986	0.00148	3	1	29.3	0
P12163_1_F4,11362 K.ANSEATLGTYK.G	1762.979	0.00455	3	1	35.3	0

P12163_1_F4,13861	K.ANSEATLGTYK.G	1762.979	0.00673	2	1	53.5	0
P12163_1_F4,13904	K.ANSEATLGTYK.G	1762.979	0.0068	3	1	66.1	0
P12163_1_F5,12508	K.ANSEATLGTYK.G	1762.979	0.00803	2	1	55.1	0
P12163_1_F5,12539	K.ANSEATLGTYK.G	1762.979	0.00995	3	1	65.8	0
P12163_1_F9,13335	K.ANSEATLGTYK.G	1762.979	0.01905	2	1	47.7	0
P12163_2_F1,10507	K.ANSEATLGTYK.G	1762.979	0.00428	3	1	32.5	0
P12163_2_F1,12855	K.ANSEATLGTYK.G	1762.979	0.00497	2	1	57.3	0
P12163_2_F1,12877	K.ANSEATLGTYK.G	1762.979	0.00698	3	1	66	0
P12163_2_F9,10521	K.ANSEATLGTYK.G	1762.979	-0.00052	3	1	27.8	0
P12163_2_F9,12669	K.ANSEATLGTYK.G	1762.979	0.00151	2	1	43.9	0
P12163_2_S5,12132	K.ANSEATLGTYK.G	1762.979	0.0008	3	1	43.5	0
P12163_2_F1,16655	K.AQAFLVR.C	1179.715	0.00258	2	1	30.9	0
P12163_1_F3,6447	K.CADVTER.V	1154.578	0.0042	3	1	22.9	0
P12163_1_F3,7944	K.CADVTER.V	1154.578	0.00115	2	1	29.9	0
P12163_1_F4,17371	K.EGGVLPGIK.V	1477.92	0.00655	3	1	33.3	0
P12163_1_F4,17619	K.EGGVLPGIK.V	1477.92	0.00731	2	1	35.1	0
P12163_1_F5,16152	K.EGGVLPGIK.V	1477.92	0.00989	2	1	25.5	0
P12163_1_F6,16708	K.EGGVLPGIK.V	1477.92	0.00491	3	1	26.9	0
P12163_1_F7,15349	K.EGGVLPGIK.V	1477.92	0.00295	3	1	25.1	0
P12163_1_F7,15365	K.EGGVLPGIK.V	1477.92	0.00429	2	1	27.8	0
P12163_2_F2,190	K.EGGVLPGIK.V	1477.92	0.00421	3	1	25.1	0
P12163_2_F2,1573	K.EGGVLPGIK.V	1477.92	0.00317	2	1	29.3	0
P12163_2_F2,1688	K.EGGVLPGIK.V	1477.92	0.00403	3	1	32.8	0
P12163_2_F2,1787	K.EGGVLPGIK.V	1477.92	0.00479	2	1	28.1	0
P12163_2_F2,2553	K.EGGVLPGIK.V	1477.92	0.00646	3	1	24	0
P12163_2_S5,14568	K.EGGVLPGIK.V	1477.92	0.00055	3	1	22.3	0
P12163_1_F7,14626	K.GDAQLGEGAAESLHV	2190.197	0.00512	3	1	76.3	0
P12163_1_F7,14657	K.GDAQLGEGAAESLHV	2190.197	0.00477	2	1	79.7	0
P12163_1_F8,15376	K.GDAQLGEGAAESLHV	2190.197	0.00577	2	1	83.1	0
P12163_2_F6,14876	K.GDAQLGEGAAESLHV	2190.197	0.00333	2	1	84.1	0
P12163_1_F2,12699	K.GILAADESTGTIGK.R	1941.111	-0.00201	3	1	24.1	0
P12163_1_F2,14457	K.GILAADESTGTIGK.R	1941.111	0.00252	3	1	54.9	0
P12163_1_F2,14458	K.GILAADESTGTIGK.R	1941.111	0.00309	2	1	43.7	0
P12163_1_F3,14899	K.GILAADESTGTIGK.R	1941.111	0.00684	3	1	57.6	0
P12163_1_F3,14915	K.GILAADESTGTIGK.R	1941.111	0.00656	2	1	43.9	0
P12163_1_F3,16918	K.GILAADESTGTIGK.R	1941.111	0.00564	3	1	74.7	0
P12163_1_F3,16980	K.GILAADESTGTIGK.R	1941.111	0.00479	2	1	75.1	0
P12163_1_F6,16249	K.GILAADESTGTIGK.R	1941.111	0.00168	2	1	30.4	0
P12163_2_F2,16508	K.GILAADESTGTIGK.R	1941.111	0.00229	2	1	41.9	0
P12163_2_F2,16519	K.GILAADESTGTIGK.R	1941.111	0.00153	3	1	44.7	0
P12163_1_F4,13263	K.NAAYIGTPGK.G	1599.931	0.01272	2	1	25.5	0
P12163_1_F5,11908	K.NAAYIGTPGK.G	1599.931	0.00924	2	1	35.5	0
P12163_1_F9,12718	K.NAAYIGTPGK.G	1599.931	0.00432	2	1	31.1	0
P12163_1_F9,12773	K.NAAYIGTPGK.G	1599.931	0.00595	3	1	32.1	0
P12163_1_S10,1269	K.NAAYIGTPGK.G	1599.931	0.00343	3	1	38	0
P12163_2_F1,12283	K.NAAYIGTPGK.G	1599.931	0.00576	2	1	34.9	0
P12163_2_F1,12311	K.NAAYIGTPGK.G	1599.931	0.00634	3	1	24	0
P12163_2_F10,1186	K.NAAYIGTPGK.G	1599.931	0.01204	3	1	37	0
P12163_2_F8_1207	K.NAAYIGTPGK.G	1599.931	-0.00107	3	1	31.8	0
P12163_1_F7,14902	K.VTPDVIAEHTVR.A	1640.927	0.00212	3	1	38.6	0
P12163_1_F8,12429	K.VTPDVIAEHTVR.A	1640.927	0.00225	4	1	25.6	0

P12163_1_F8,12433	K.VTPDVIAEHTVR.A	1640.927	-0.00049	3	1	43.7	0
P12163_1_F8,13752	K.VTPDVIAEHTVR.A	1640.927	-0.00172	3	1	24.9	0
P12163_1_F8,13784	K.VTPDVIAEHTVR.A	1640.927	0.00333	4	1	35.2	0
P12163_1_F8,15538	K.VTPDVIAEHTVR.A	1640.927	-0.00022	3	1	39.9	0
P12163_1_F8,18290	K.VTPDVIAEHTVR.A	1640.927	0.00128	3	1	52	0
P12163_2_F6,15054	K.VTPDVIAEHTVR.A	1640.927	0.00035	3	1	49	0
P12163_2_F6,15346	K.VTPDVIAEHTVR.A	1640.927	-0.00205	3	1	33.7	0
P12163_2_S5,11495	K.VTPDVIAEHTVR.A	1640.927	0.00185	3	1	42.8	0
P12163_2_S5,14259	K.VTPDVIAEHTVR.A	1640.927	0.00185	3	1	62.3	0
P12163_1_F4,17708	K.YADELIK.N	1459.862	0.00524	2	1	28.8	0
P12163_1_F6,16974	K.YADELIK.N	1459.862	0.00702	2	1	25.3	0
P12163_1_F9,16667	K.YADELIK.N	1459.862	0.00693	3	1	23.2	0
P12163_1_F9,16679	K.YADELIK.N	1459.862	0.0041	2	1	29	0
P12163_2_F1,16791	K.YADELIK.N	1459.862	0.00324	2	1	28.8	0
P12163_2_F8_12070	K.YADELIK.N	1459.862	0.00662	2	1	28	0
P12163_2_F8_12070	K.YADELIK.N	1459.862	0.00555	3	1	22	0
P12163_2_S5,15299	K.YADELIK.N	1459.862	0.00006	3	1	23.9	0
P12163_1_F5,12014	R.ALQSTLK.I ! R.ALQQ	1496.926	0.00689	2	1	37.5	0
P12163_1_F5,12061	R.ALQSTLK.I ! R.ALQQ	1496.926	0.00816	3	1	30	0
P12163_1_F6,13006	R.ALQSTLK.I ! R.ALQQ	1496.926	0.00259	2	1	25.4	0
P12163_2_F1,12521	R.ALQSTLK.I ! R.ALQQ	1496.926	-0.00377	2	1	29.4	0
P12163_2_F1,12549	R.ALQSTLK.I ! R.ALQQ	1496.926	0.00015	3	1	34.8	0
P12163_2_F2,12860	R.ALQSTLK.I ! R.ALQQ	1496.926	0.00564	3	1	24.4	0
P12163_2_F2,12867	R.ALQSTLK.I ! R.ALQQ	1496.926	0.00689	2	1	26	0
P12163_2_F2,13585	R.ALQSTLK.I ! R.ALQQ	1496.926	0.00617	2	1	27.4	0
P12163_2_S5,11620	R.ALQSTLK.I ! R.ALQQ	1496.926	0.0003	3	1	28.7	0
P12163_1_S1,13633	R.LSSINVENVEANR.R	1748.944	0.00343	3	1	26.4	0
P12163_1_S1,17051	R.LSSINVENVEANR.R	1748.944	0.00322	3	1	54.7	0
P12163_1_S1,17056	R.LSSINVENVEANR.R	1748.944	0.00018	2	1	48.4	0
P12163_1_F8,16331	R.LSSINVENVEANRR.A	1905.045	0.001	3	1	37.2	0
P12163_1_F5,15069	R.NLNAM*NQLK.T	1669.951	0.00703	2	1	33.7	0
P12163_1_F5,15115	R.NLNAM*NQLK.T	1669.951	0.00724	3	1	36.6	0
P12163_2_F2,12002	R.NLNAM*NQLK.T	1669.951	0.00623	2	1	24	0
P12163_1_F5,15038	R.NLNAMNQLK.T	1653.957	0.00701	2	1	31.2	0
P12163_1_F5,15068	R.NLNAMNQLK.T	1653.957	0.00535	3	1	31.1	0
P12163_1_F6,15735	R.NLNAMNQLK.T	1653.957	0.00535	2	1	35	0
P12163_1_F6,15736	R.NLNAMNQLK.T	1653.957	0.00727	3	1	23	0
P12163_2_F2,15820	R.NLNAMNQLK.T	1653.957	0.00413	2	1	36.6	0
P12163_2_F2,15918	R.NLNAMNQLK.T	1653.957	0.0019	3	1	28.9	0
P12163_2_F2,16073	R.NLNAMNQLK.T	1653.957	0.00121	2	1	37	0
P12163_2_F2,16303	R.NLNAMNQLK.T	1653.957	0.00733	2	1	43	0
P12163_2_S5,14094	R.NLNAMNQLK.T	1653.957	0.00085	3	1	29.4	0
P12163_1_F5,15255	R.VLAACYK.A	1432.844	0.00506	3	1	25.5	0
P12163_1_F5,15259	R.VLAACYK.A	1432.844	0.00647	2	1	32.6	0
P12163_1_F8,15216	R.VLAACYK.A	1432.844	0.00211	2	1	26.7	0
P12163_1_F9,15546	R.VLAACYK.A	1432.844	0.01151	2	1	28.8	0
P12163_1_F9,15601	R.VLAACYK.A	1432.844	0.00662	3	1	32.8	0
P12163_1_S10,1539	R.VLAACYK.A	1432.844	0.00569	3	1	31	0
P12163_1_S10,15410	R.VLAACYK.A	1432.844	0.00693	2	1	26.8	0
P12163_2_F10,1442	R.VLAACYK.A	1432.844	0.00935	3	1	25.3	0
P12163_2_F2,15785	R.VLAACYK.A	1432.844	0.00321	2	1	28.3	0

P12163_2_F2,15972 R.VLAACYK.A	1432.844	0.00257	3	1	31.5	0
P12163_2_F2,16006 R.VLAACYK.A	1432.844	0.00501	2	1	32.9	0
P12163_2_F8_12070 R.VLAACYK.A	1432.844	0.00803	2	1	30.9	0
P12163_2_F8_12070 R.VLAACYK.A	1432.844	0.00608	3	1	33.2	0
P12163_1_F3,22005 K.AFGMELLR.K	1240.702	0.0023	2	1	30.3	0
P12163_1_F3,21394 K.FELLER.G ! K.FELLER.	1110.646	0.00149	2	1	29.2	0
P12163_1_F4,22123 K.FELLER.G ! K.FELLER.	1110.646	0.00217	2	1	30.3	0
P12163_2_F1,21494 K.FELLER.G ! K.FELLER.	1110.646	0.00209	2	1	27.2	0
P12163_1_F4,17802 K.FYTECLGM*K.L ! R.FY	1772.917	0.00416	3	1	40.7	0
P12163_1_F5,16540 K.FYTECLGM*K.L ! R.FY	1772.917	0.00551	2	1	29.9	0
P12163_1_F5,18642 K.FYTECLGM*K.L ! R.FY	1772.917	0.00746	3	1	25.5	0
P12163_1_F9,16749 K.FYTECLGM*K.L ! R.FY	1772.917	0.00681	2	1	29.6	0
P12163_2_F1,16917 K.FYTECLGM*K.L ! R.FY	1772.917	0.00632	3	1	35.4	0
P12163_2_F8_12070 K.FYTECLGM*K.L ! R.FY	1772.917	0.00395	3	1	38.6	0
P12163_2_F8_12070 K.FYTECLGM*K.L ! R.FY	1772.917	0.00683	3	1	23.2	0
P12163_2_F9,15888 K.FYTECLGM*K.L ! R.FY	1772.917	0.00656	3	1	38.4	0
P12163_2_F9,17487 K.FYTECLGM*K.L ! R.FY	1772.917	0.00746	3	1	41.3	0
P12163_1_F4,19484 K.FYTECLGMK.L ! R.FY	1756.922	0.00882	3	1	30.3	0
P12163_1_F4,19589 K.FYTECLGMK.L ! R.FY	1756.922	0.01355	2	1	39.5	0
P12163_1_F4,19691 K.FYTECLGMK.L ! R.FY	1756.922	0.00849	3	1	30.9	0
P12163_1_F4,19771 K.FYTECLGMK.L ! R.FY	1756.922	0.00917	2	1	38.6	0
P12163_1_F4,19872 K.FYTECLGMK.L ! R.FY	1756.922	0.00576	3	1	30.3	0
P12163_1_F4,19959 K.FYTECLGMK.L ! R.FY	1756.922	0.00839	2	1	40.5	0
P12163_1_F4,20158 K.FYTECLGMK.L ! R.FY	1756.922	0.00756	3	1	25.5	0
P12163_1_F5,18583 K.FYTECLGMK.L ! R.FY	1756.922	0.00941	3	1	25.2	0
P12163_1_F6,18823 K.FYTECLGMK.L ! R.FY	1756.922	0.01364	3	1	28.2	0
P12163_1_F7,17567 K.FYTECLGMK.L ! R.FY	1756.922	0.00138	3	1	27.6	0
P12163_1_F9,18344 K.FYTECLGMK.L ! R.FY	1756.922	0.0054	3	1	30.8	0
P12163_1_F9,18377 K.FYTECLGMK.L ! R.FY	1756.922	0.00599	2	1	36.4	0
P12163_2_F1,18826 K.FYTECLGMK.L ! R.FY	1756.922	0.00869	3	1	28.4	0
P12163_2_F1,18827 K.FYTECLGMK.L ! R.FY	1756.922	0.00685	2	1	40	0
P12163_2_F1,19067 K.FYTECLGMK.L ! R.FY	1756.922	0.00644	3	1	30.9	0
P12163_2_F1,19070 K.FYTECLGMK.L ! R.FY	1756.922	0.00751	2	1	40.2	0
P12163_2_F1,19257 K.FYTECLGMK.L ! R.FY	1756.922	0.00552	3	1	30.6	0
P12163_2_F1,19280 K.FYTECLGMK.L ! R.FY	1756.922	0.00899	2	1	30.7	0
P12163_2_F8_12070 K.FYTECLGMK.L ! R.FY	1756.922	0.00805	2	1	25.1	0
P12163_2_F9,17438 K.FYTECLGMK.L ! R.FY	1756.922	0.00739	2	1	41	0
P12163_2_F9,17489 K.FYTECLGMK.L ! R.FY	1756.922	0.00684	3	1	24.2	0
P12163_2_S5,17186 K.FYTECLGMK.L ! R.FY	1756.922	0.00135	3	1	28.7	0
P12163_1_F2,18181 K.GGNTVIAFIEDPDGYK	2304.233	0.00531	3	1	48.9	0
P12163_1_F2,23101 K.GGNTVIAFIEDPDGYK	2304.233	0.0057	3	1	51.4	0
P12163_1_F8,22999 K.GGNTVIAFIEDPDGYK	2304.233	0.00525	3	1	35.2	0
P12163_1_S1,17411 K.GGNTVIAFIEDPDGYK	2304.233	0.00452	4	1	30.9	0
P12163_1_S1,22536 K.GGNTVIAFIEDPDGYK	2304.233	-0.00038	2	1	73.9	0
P12163_1_S1,22542 K.GGNTVIAFIEDPDGYK	2304.233	0.00351	4	1	45.7	0
P12163_1_S1,22666 K.GGNTVIAFIEDPDGYK	2304.233	0.00693	3	1	45.1	0
P12163_1_F3,20876 K.ITACLDPDGWK.T ! K.I	1884.015	0.00686	2	1	39.7	0
P12163_1_F3,20903 K.ITACLDPDGWK.T ! K.I	1884.015	0.00327	3	1	46.3	0
P12163_1_F4,21590 K.ITACLDPDGWK.T ! K.I	1884.015	0.01034	2	1	40.1	0
P12163_1_F8,18666 K.NAVLELTYNHGVTEY	2574.366	0.00396	3	1	28.3	0
P12163_2_F10,1667 K.NAVLELTYNHGVTEY	2574.366	0.0042	3	1	44.3	0

P12163_2_F4,17440	K.NAVLELTYNHGVTEY	2574.366	0.00048	3	1	25.5	0
P12163_1_F3,25124	K.SVFDNLDLFLK.E	1905.094	0.00718	2	1	52.6	0
P12163_1_S1,22237	K.SVFDNLDLFLK.E	1905.094	0.0004	3	1	47.4	0
P12163_1_F7,21226	K.YDIGTGFGHFGIAVED	2604.392	0.00258	3	1	31.9	0
P12163_1_F3,17527	K.YTIAVM*GYGPEDK.N	2068.088	0.01313	2	1	40.5	0
P12163_1_F3,20064	K.YTIAVMGYGPEDK.N	2052.093	0.0194	3	1	50.5	0
P12163_1_S10,1622	R.AINFYK.K	1363.819	0.00656	3	1	22.9	0
P12163_1_F3,16385	R.EPGPLPGINTK.I	1731.026	0.00728	2	1	29.2	0
P12163_1_F3,16406	R.EPGPLPGINTK.I	1731.026	0.00706	3	1	42.5	0
P12163_1_F3,16742	R.EPGPLPGINTK.I	1731.026	0.0058	3	1	26.4	0
P12163_1_F3,17151	R.EPGPLPGINTK.I	1731.026	0.00475	3	1	30.6	0
P12163_1_F3,17186	R.EPGPLPGINTK.I	1731.026	0.00696	2	1	28.6	0
P12163_1_F3,17690	R.EPGPLPGINTK.I	1731.026	0.01036	2	1	37.7	0
P12163_1_F4,16907	R.EPGPLPGINTK.I	1731.026	0.00409	3	1	33.2	0
P12163_1_F5,15589	R.EPGPLPGINTK.I	1731.026	0.0054	2	1	33.5	0
P12163_1_F6,15664	R.EPGPLPGINTK.I	1731.026	0.00148	3	1	24.9	0
P12163_2_F1,16055	R.EPGPLPGINTK.I	1731.026	0.00818	2	1	33.7	0
P12163_2_F4,14558	R.EPGPLPGINTK.I	1731.026	0.00151	3	1	25.4	0
P12163_2_F4,14582	R.EPGPLPGINTK.I	1731.026	0	2	1	27.8	0
P12163_2_S3,13251	R.EPGPLPGINTK.I	1731.026	-0.00287	3	1	34.6	0
P12163_2_F1,9192	R.EPGPVK.G	1234.762	0.00276	3	1	23.8	0
P12163_2_F1,9767	R.EPGPVK.G	1234.762	0.00642	3	1	26.9	0
P12163_2_S5,8461	R.EPGPVK.G	1234.762	0.00102	3	1	26.2	0
P12163_1_S1,17533	R.GPTPEPLCQVMLR.V	1801.961	0.00431	3	1	48.2	0
P12163_1_S1,18749	R.GPTPEPLCQVMLR.V	1801.961	0.00908	2	1	25.6	0
P12163_1_S1,18757	R.GPTPEPLCQVMLR.V	1801.961	0.00356	3	1	45.1	0
P12163_1_S1,18966	R.GPTPEPLCQVMLR.V	1801.961	0.00608	3	1	48.4	0
P12163_1_F5,11148	R.M*LHV VYR.V	1237.703	0.00188	3	1	25.7	0
P12163_1_F9,12145	R.M*LHV VYR.V	1237.703	0.00138	3	1	26	0
P12163_1_F9,15306	R.M*LHV VYR.V	1237.703	0.00552	3	1	25.9	0
P12163_1_S10,1538	R.M*LHV VYR.V	1237.703	0.0053	3	1	23.7	0
P12163_2_F4,11177	R.M*LHV VYR.V	1237.703	0.0044	3	1	28.4	0
P12163_2_F4,14461	R.M*LHV VYR.V	1237.703	0.00372	3	1	24.1	0
P12163_2_F9,14317	R.M*LHV VYR.V	1237.703	0.00165	3	1	23.3	0
P12163_1_F9,15291	R.MLHV VYR.V	1221.708	0.00285	3	1	35.1	0
P12163_2_F10,1396	R.MLHV VYR.V	1221.708	0.00042	3	1	22.1	0
P12163_2_F4,14426	R.MLHV VYR.V	1221.708	0.00501	3	1	31	0
P12163_2_F7,13894	R.MLHV VYR.V	1221.708	0.00225	3	1	25.4	0
P12163_2_F9,14286	R.MLHV VYR.V	1221.708	0.00243	3	1	31.7	0
P12163_2_F9,14499	R.MLHV VYR.V	1221.708	0.00267	3	1	32	0
P12163_1_S1,16280	K.EPYTATIVSVER.V	1668.911	0.00177	3	1	71.8	0
P12163_2_F6,16532	K.EPYTATIVSVER.V	1668.911	-0.00198	2	1	29.6	0
P12163_1_F4,17377	K.GM*MPGIQETLK.R	1829.012	0.00442	2	1	29.5	0
P12163_1_F4,17380	K.GM*MPGIQETLK.R	1829.012	0.01415	3	1	36.7	0
P12163_2_F1,16561	K.GM*MPGIQETLK.R	1829.012	0.0078	2	1	37.4	0
P12163_2_F1,16567	K.GM*MPGIQETLK.R	1829.012	0.00584	3	1	34.7	0
P12163_1_F4,19323	K.GMM*PGIQETLK.R	1829.012	0.0068	3	1	30.3	0
P12163_1_F4,19324	K.GMM*PGIQETLK.R	1829.012	0.00478	2	1	34.5	0
P12163_1_F3,18961	K.GMMPGIQETLK.R	1813.017	0.00822	2	1	51.5	0
P12163_1_F4,19297	K.GMMPGIQETLK.R	1813.017	0.003	2	1	55.9	0
P12163_2_F1,18593	K.GMMPGIQETLK.R	1813.017	0.00502	2	1	46.8	0

P12163_2_F4,16835	K.GMMPGIQETLK.R	1813.017	0.00014	3	1	21.9	0
P12163_1_F3,17837	K.IEEYSDEIFK.R	1881.01	0.00954	3	1	23.1	0
P12163_1_F3,17843	K.IEEYSDEIFK.R	1881.01	0.01139	2	1	27.7	0
P12163_1_F3,21982	K.IEEYSDEIFK.R	1881.01	0.00569	2	1	36.8	0
P12163_1_F3,22026	K.IEEYSDEIFK.R	1881.01	0.00669	3	1	30.3	0
P12163_1_F3,22183	K.IEEYSDEIFK.R	1881.01	0.00489	2	1	47	0
P12163_1_F4,22683	K.IEEYSDEIFK.R	1881.01	0.00905	2	1	36.7	0
P12163_1_F4,22702	K.IEEYSDEIFK.R	1881.01	0.00576	3	1	26.5	0
P12163_1_F9,20658	K.IEEYSDEIFK.R	1881.01	0.01131	3	1	41.6	0
P12163_2_F7,18964	K.IEEYSDEIFK.R	1881.01	0.01193	2	1	39.8	0
P12163_2_F7,18983	K.IEEYSDEIFK.R	1881.01	0.01938	3	1	28.8	0
P12163_2_F9,19843	K.IEEYSDEIFK.R	1881.01	0.0072	3	1	42.2	0
P12163_1_F4,6956	K.KPGNPHNVR.L	1626.965	0.00738	4	1	26.2	0
P12163_1_F5,11488	K.MYVQDK.I	1391.781	0.00716	2	1	24.9	0
P12163_2_F2,12239	K.MYVQDK.I	1391.781	0.00562	2	1	26.7	0
P12163_1_S10,1740	K.QWHVEVY.-	1264.663	0.0035	2	1	30.2	0
P12163_1_S1,17845	K.VAVSPLELEER.S	1545.879	0.00051	3	1	51.7	0
P12163_1_S1,17888	K.VAVSPLELEER.S	1545.879	0.00379	2	1	42.8	0
P12163_1_S1,18142	K.VAVSPLELEER.S	1545.879	0.00953	2	1	25.5	0
P12163_2_F2,18910	K.VAVSPLELEER.S	1545.879	0.00033	2	1	23.9	0
P12163_2_F4,17783	K.VAVSPLELEER.S	1545.879	0.00184	2	1	26.8	0
P12163_1_F4,16089	K.VLITGPSGK.I	1479.935	0.00722	2	1	32.5	0
P12163_1_F4,16094	K.VLITGPSGK.I	1479.935	0.0066	3	1	27.1	0
P12163_1_F7,14559	K.VLITGPSGK.I	1479.935	0.00282	3	1	29.7	0
P12163_2_F1,15155	K.VLITGPSGK.I	1479.935	0.00465	3	1	29	0
P12163_2_F1,15373	K.VLITGPSGK.I	1479.935	0.00456	3	1	30	0
P12163_1_F2,18157	K.YLQDYDPNFR.Y	1634.812	0.00039	3	1	37.2	0
P12163_1_F2,18298	K.YLQDYDPNFR.Y	1634.812	0.00302	2	1	38.2	0
P12163_1_F9,17551	K.YLQDYDPNFR.Y	1634.812	0.00426	2	1	30.9	0
P12163_1_S1,17339	K.YLQDYDPNFR.Y	1634.812	0.00116	2	1	36.7	0
P12163_1_S1,17835	K.YLQDYDPNFR.Y	1634.812	0.00384	2	1	27.6	0
P12163_1_S1,17886	K.YLQDYDPNFR.Y	1634.812	-0.00105	3	1	26.6	0
P12163_2_F4,16880	K.YLQDYDPNFR.Y	1634.812	0.0045	2	1	24.8	0
P12163_2_F7,15828	K.YLQDYDPNFR.Y	1634.812	0.0011	2	1	33.9	0
P12163_2_F9,17077	K.YLQDYDPNFR.Y	1634.812	0.00524	2	1	36.4	0
P12163_2_F9,17127	K.YLQDYDPNFR.Y	1634.812	0.00495	3	1	24	0
P12163_2_F9,17277	K.YLQDYDPNFR.Y	1634.812	0.00392	2	1	35.6	0
P12163_1_F3,14301	R.AVYYDPESGK.E	1736.931	0.00966	2	1	39	0
P12163_1_F7,18735	R.LDGGAHYFCGLK.G	2059.125	0.00565	3	1	24.9	0
P12163_1_F8,19650	R.LDGGAHYFCGLK.G	2059.125	0.00105	2	1	26.8	0
P12163_1_F8,19673	R.LDGGAHYFCGLK.G	2059.125	0.00373	3	1	29.6	0
P12163_2_F6,19193	R.LDGGAHYFCGLK.G	2059.125	0.00568	3	1	29.8	0
P12163_2_F6,19218	R.LDGGAHYFCGLK.G	2059.125	-0.00033	2	1	34.5	0
P12163_1_F3,11385	R.LYSIASTR.Y	1214.705	0.00323	3	1	34.9	0
P12163_1_F3,14744	R.LYSIASTR.Y	1214.705	0.0041	3	1	23.5	0
P12163_1_F3,15093	R.LYSIASTR.Y	1214.705	0.00386	3	1	35.5	0
P12163_1_F4,18652	R.M*FMESVPTYK.F	1856.975	0.00528	2	1	30	0
P12163_1_F4,21083	R.M*FMESVPTYK.F	1856.975	0.00554	2	1	25	0
P12163_1_F4,21132	R.M*FMESVPTYK.F	1856.975	0.00383	3	1	24.9	0
P12163_2_F1,17929	R.M*FMESVPTYK.F	1856.975	0.00716	2	1	30.2	0
P12163_2_F1,17946	R.M*FMESVPTYK.F	1856.975	0.00722	3	1	28.4	0

P12163_1_F3,20521 R.MFMESVPTYK.F	1840.98	0.00728	3	1	29.2	0
P12163_1_F3,20522 R.MFMESVPTYK.F	1840.98	0.00304	2	1	27.9	0
P12163_2_F1,20537 R.MFMESVPTYK.F	1840.98	0.00665	3	1	23	0
P12163_2_F1,20586 R.MFMESVPTYK.F	1840.98	0.00803	3	1	26.8	0
P12163_2_F7,17824 R.MFMESVPTYK.F	1840.98	-0.00052	3	1	25.5	0
P12163_1_S10,1371 R.YGDSFDGK.T	1496.784	0.00503	3	1	32.7	0
P12163_2_F1,12592 R.YGDSFDGK.T	1496.784	0.00415	2	1	23.9	0
P12163_2_F1,12635 R.YGDSFDGK.T	1496.784	0.00479	3	1	43.2	0
P12163_1_F4,11708 K.CEGCVD AVK.Q	1645.85	0.00293	2	1	31.9	0
P12163_1_F5,10380 K.CEGCVD AVK.Q	1645.85	0.00853	2	1	40.7	0
P12163_2_F1,10827 K.CEGCVD AVK.Q	1645.85	0.00833	2	1	33.8	0
P12163_2_F1,10844 K.CEGCVD AVK.Q	1645.85	0.01047	3	1	26.1	0
P12163_1_S1,15378 K.EPLGDLGT VVADEK.G	2051.148	0.00633	3	1	23.1	0
P12163_1_S1,19340 K.EPLGDLGT VVADEK.G	2051.148	0.00522	3	1	43.9	0
P12163_1_F5,17928 K.GEAFFSGVK.E	1549.883	0.00384	3	1	37	0
P12163_1_F5,18160 K.GEAFFSGVK.E	1549.883	0.00489	2	1	40.1	0
P12163_1_F6,18338 K.GEAFFSGVK.E	1549.883	-0.00073	2	1	38	0
P12163_2_F1,18389 K.GEAFFSGVK.E	1549.883	0.01025	2	1	34	0
P12163_2_F1,18399 K.GEAFFSGVK.E	1549.883	0.00576	3	1	31.9	0
P12163_2_F2,18668 K.GEAFFSGVK.E	1549.883	0.00552	3	1	41.2	0
P12163_2_S5,16565 K.GEAFFSGVK.E	1549.883	0.00075	3	1	29.3	0
P12163_1_F4,1062 K.GPDVFGVVR.L	1249.721	0.0033	2	1	24.3	0
P12163_1_F9,19225 K.HGWSINEFGDLTK.G	2112.133	0.00585	3	1	45.6	0
P12163_1_F9,19231 K.HGWSINEFGDLTK.G	2112.133	0.00409	2	1	37.4	0
P12163_1_F9,19243 K.HGWSINEFGDLTK.G	2112.133	0.00498	4	1	29.9	0
P12163_2_F9,18183 K.HGWSINEFGDLTK.G	2112.133	0.00732	3	1	53.1	0
P12163_1_F4,16271 K.LQTVTGVK.N	1453.92	0.00552	2	1	24.9	0
P12163_1_F4,16301 K.LQTVTGVK.N	1453.92	0.00279	3	1	32	0
P12163_1_F4,16526 K.LQTVTGVK.N	1453.92	0.00264	2	1	36.9	0
P12163_1_F5,15147 K.LQTVTGVK.N	1453.92	0.00216	3	1	25.8	0
P12163_1_F5,15168 K.LQTVTGVK.N	1453.92	0.0038	2	1	36.9	0
P12163_1_F7,14570 K.LQTVTGVK.N	1453.92	0.00333	3	1	31.9	0
P12163_2_F1,15274 K.LQTVTGVK.N	1453.92	0.00606	3	1	35.8	0
P12163_2_F1,15279 K.LQTVTGVK.N	1453.92	0.00442	2	1	32.5	0
P12163_2_F1,15533 K.LQTVTGVK.N	1453.92	0.00393	3	1	37.8	0
P12163_2_F1,15605 K.LQTVTGVK.N	1453.92	0.00206	2	1	31.1	0
P12163_2_F2,15986 K.LQTVTGVK.N	1453.92	0.00744	3	1	33.8	0
P12163_2_F2,15988 K.LQTVTGVK.N	1453.92	0.00512	2	1	31	0
P12163_1_S1,15792 K.NVEVDLSNQVVR.I	1675.928	0.00682	2	1	35.3	0
P12163_1_S1,15794 K.NVEVDLSNQVVR.I	1675.928	-0.00078	3	1	55.2	0
P12163_1_S1,16072 K.NVEVDLSNQVVR.I	1675.928	0.00322	2	1	29.7	0
P12163_1_S10,103 K.NVEVDLSNQVVR.I	1675.928	0.0039	2	1	28.7	0
P12163_1_S1,8945 K.SDSGVTAAVIAR.S	1450.817	0.00463	4	1	25	0
P12163_1_S1,9263 K.SDSGVTAAVIAR.S	1450.817	0.00251	3	1	36.7	0
P12163_1_S1,10328 K.SDSGVTAAVIAR.S	1450.817	0.00386	3	1	48	0
P12163_1_S1,10650 K.SDSGVTAAVIAR.S	1450.817	-0.00001	3	1	30.2	0
P12163_1_S1,10918 K.SDSGVTAAVIAR.S	1450.817	-0.00067	3	1	27	0
P12163_1_S1,12832 K.SDSGVTAAVIAR.S	1450.817	0.0011	3	1	65.3	0
P12163_1_S1,13022 K.SDSGVTAAVIAR.S	1450.817	0.00193	2	1	29.8	0
P12163_1_S1,10249 K.TMTEALEQTGR.K	1540.794	0.00681	3	1	42.2	0
P12163_1_S1,10478 K.TMTEALEQTGR.K	1540.794	0.00306	3	1	43.1	0

P12163_1_F3,19088	R.IEANFSGLSPGK.H	1828.042	0.00383	2	1	54.1	0
P12163_1_F4,18511	R.IEANFSGLSPGK.H	1828.042	0.0085	3	1	52.2	0
P12163_1_F4,18513	R.IEANFSGLSPGK.H	1828.042	0.00353	2	1	30.2	0
P12163_1_F4,19399	R.IEANFSGLSPGK.H	1828.042	0.00491	2	1	49.1	0
P12163_1_F4,19413	R.IEANFSGLSPGK.H	1828.042	0.0067	3	1	51.7	0
P12163_1_F4,19646	R.IEANFSGLSPGK.H	1828.042	0.01015	2	1	51.5	0
P12163_1_F4,19678	R.IEANFSGLSPGK.H	1828.042	0.00883	3	1	45.7	0
P12163_2_F1,18778	R.IEANFSGLSPGK.H	1828.042	0.00597	2	1	46	0
P12163_2_F1,18828	R.IEANFSGLSPGK.H	1828.042	0.00571	3	1	47.8	0
P12163_2_F1,19054	R.IEANFSGLSPGK.H	1828.042	0.00147	2	1	56.3	0
P12163_1_F5,17877	R.ILGSSPLK.T	1422.914	0.00624	3	1	30.6	0
P12163_2_F1,18390	R.ILGSSPLK.T	1422.914	0.00513	3	1	30.9	0
P12163_1_F2,19006	R.LAQVNM*ELAR.I	1464.815	0.00206	2	1	27.8	0
P12163_1_F5,9611	R.SAGVGGENYK.K	1532.853	0.00424	3	1	56.8	0
P12163_1_F6,10591	R.SAGVGGENYK.K	1532.853	0.00128	2	1	41	0
P12163_1_S10,1107	R.SAGVGGENYK.K	1532.853	0.0073	2	1	40.2	0
P12163_2_F2,8550	R.SAGVGGENYK.K	1532.853	0.00014	2	1	31.6	0
P12163_2_F2,10449	R.SAGVGGENYK.K	1532.853	0.00283	3	1	60.1	0
P12163_2_F2,10558	R.SAGVGGENYK.K	1532.853	0.00202	2	1	46.5	0
P12163_2_F8_1207	R.SAGVGGENYK.K	1532.853	0.00722	2	1	38.7	0
P12163_1_F3,12628	R.SIVVYGTEDEK.S	1718.978	0.00349	2	1	35.3	0
P12163_1_F3,15628	R.SIVVYGTEDEK.S	1718.978	-0.00365	2	1	35.1	0
P12163_1_F3,15681	R.SIVVYGTEDEK.S	1718.978	0.00367	3	1	31.2	0
P12163_1_F4,13094	R.SIVVYGTEDEK.S	1718.978	0.00844	3	1	24	0
P12163_1_F4,13734	R.SIVVYGTEDEK.S	1718.978	0.00319	3	1	22.2	0
P12163_1_F4,13737	R.SIVVYGTEDEK.S	1718.978	0.00455	2	1	24.2	0
P12163_2_F9,12256	R.SIVVYGTEDEK.S	1718.978	0.00115	3	1	23.1	0
P12163_1_S10,1126	K.AAHMLK.Y	1278.781	0.00625	3	1	22	0
P12163_2_F8_1207	K.AAHMLK.Y	1278.781	0.00523	3	1	30	0
P12163_1_F6,17814	K.AVHEVIGFYK.E	1771.036	0.0042	3	1	28.2	0
P12163_1_F7,16941	K.AVHEVIGFYK.E	1771.036	0.0039	3	1	38	0
P12163_1_F7,16942	K.AVHEVIGFYK.E	1771.036	-0.00173	2	1	36.1	0
P12163_2_F6,17188	K.AVHEVIGFYK.E	1771.036	0.00265	2	1	39.6	0
P12163_2_F6,17223	K.AVHEVIGFYK.E	1771.036	0.0045	3	1	45.7	0
P12163_2_F7,15286	K.AVHEVIGFYK.E	1771.036	0.00657	3	1	35	0
P12163_2_F9,16463	K.AVHEVIGFYK.E	1771.036	0.00585	3	1	33.2	0
P12163_1_F3,23679	K.ELFSDGFPPVAK.D	1931.11	0.00292	2	1	43.7	0
P12163_1_F3,23705	K.ELFSDGFPPVAK.D	1931.11	0.00769	3	1	34.3	0
P12163_1_F5,22950	K.ELFSDGFPPVAK.D	1931.11	0.00781	3	1	31.6	0
P12163_1_F6,22161	K.ELFSDGFPPVAK.D	1931.11	0.00163	3	1	22.1	0
P12163_1_F6,22386	K.ELFSDGFPPVAK.D	1931.11	0.02524	3	1	34.1	0
P12163_1_F3,14261	K.EVAIETSSFSK.Y	1806.01	0.01406	2	1	30.1	0
P12163_1_F3,14659	K.EVAIETSSFSK.Y	1806.01	0.00388	2	1	37.3	0
P12163_1_F3,16921	K.EVAIETSSFSK.Y	1806.01	0.00524	2	1	52.2	0
P12163_1_F3,16943	K.EVAIETSSFSK.Y	1806.01	0.00563	3	1	45.5	0
P12163_1_F4,17470	K.EVAIETSSFSK.Y	1806.01	0.00764	3	1	39.5	0
P12163_1_S1,22453	K.LQAGYLFPEIAR.R	1681.958	0.00171	3	1	39	0
P12163_1_S1,22590	K.LQAGYLFPEIAR.R	1681.958	0.00407	2	1	36.5	0
P12163_1_S1,22669	K.LQAGYLFPEIAR.R	1681.958	0.00327	3	1	59.4	0
P12163_1_S1,20957	K.NAPYVWVQFPGR.S	1737.938	0.00287	3	1	46.1	0
P12163_2_F7,19483	K.NAPYVWVQFPGR.S	1737.938	0.0044	3	1	27.2	0

P12163_1_F7,17081	K.THVVTTTPGSGFGPGGE	2277.193	0.00134	3	1	70.7	0
P12163_1_F8,17825	K.THVVTTTPGSGFGPGGE	2277.193	0.00128	3	1	71.2	0
P12163_1_F8,17849	K.THVVTTTPGSGFGPGGE	2277.193	-0.00076	2	1	55.7	0
P12163_1_F8,18087	K.THVVTTTPGSGFGPGGE	2277.193	0.00464	3	1	44.1	0
P12163_2_F10,1594	K.THVVTTTPGSGFGPGGE	2277.193	0.00449	3	1	77.1	0
P12163_2_F6,15538	K.THVVTTTPGSGFGPGGE	2277.193	0.00635	3	1	55.3	0
P12163_2_F6,15566	K.THVVTTTPGSGFGPGGE	2277.193	0.00319	4	1	42.3	0
P12163_2_F6,17302	K.THVVTTTPGSGFGPGGE	2277.193	0.00425	3	1	54.8	0
P12163_2_F6,17330	K.THVVTTTPGSGFGPGGE	2277.193	-0.00262	2	1	29.1	0
P12163_2_F6,20129	K.THVVTTTPGSGFGPGGE	2277.193	0.00644	3	1	39.5	0
P12163_2_S5,16519	K.THVVTTTPGSGFGPGGE	2277.193	0.00572	3	1	77.5	0
P12163_1_F4,19026	R.AAIASFYK.D	1579.93	0.01374	3	1	27.4	0
P12163_1_F4,19031	R.AAIASFYK.D	1579.93	0.00819	2	1	24.7	0
P12163_1_F5,17753	R.AAIASFYK.D	1579.93	0.00725	2	1	28.4	0
P12163_1_F5,17784	R.AAIASFYK.D	1579.93	0.00594	3	1	27.7	0
P12163_1_F7,16838	R.AAIASFYK.D	1579.93	-0.00441	3	1	32.7	0
P12163_1_F9,17544	R.AAIASFYK.D	1579.93	0.00468	3	1	38	0
P12163_2_F1,18276	R.AAIASFYK.D	1579.93	0.00354	3	1	32.7	0
P12163_2_F1,18284	R.AAIASFYK.D	1579.93	0.00435	2	1	24.9	0
P12163_2_F2,18491	R.AAIASFYK.D	1579.93	-0.00441	2	1	28.2	0
P12163_2_F9,16567	R.AAIASFYK.D	1579.93	0.00318	3	1	33.6	0
P12163_2_F9,16782	R.AAIASFYK.D	1579.93	0.00606	3	1	26.2	0
P12163_1_F5,12315	R.GNVLEACK.R	1498.851	0.01089	3	1	24.8	0
P12163_1_F6,13296	R.GNVLEACK.R	1498.851	0.00541	2	1	27.5	0
P12163_2_F1,12691	R.GNVLEACK.R	1498.851	0.0054	3	1	23	0
P12163_2_F1,12696	R.GNVLEACK.R	1498.851	0.00563	2	1	35.2	0
P12163_2_F2,13091	R.GNVLEACK.R	1498.851	0.00523	2	1	35	0
P12163_1_F4,22239	R.LGWTVIPK.E	1521.961	0.00392	3	1	28.6	0
P12163_1_F4,22456	R.LGWTVIPK.E	1521.961	0.00664	2	1	28.3	0
P12163_2_F1,21810	R.LGWTVIPK.E	1521.961	0.00616	2	1	27	0
P12163_2_F1,20452	R.SIFEIPGAK.E	1569.946	0.00641	2	1	33.2	0
P12163_2_F1,20473	R.SIFEIPGAK.E	1569.946	0.00619	3	1	35.1	0
P12163_2_F2,38	R.SIFEIPGAK.E	1569.946	0.00475	3	1	24	0
P12163_1_F3,26300	R.SSWDFVSEILK.K	1919.073	0.00487	3	1	27.8	0
P12163_1_F8,15470	R.SYALSTQEGYSGYGAI	3099.584	0.005	4	1	35.5	0
P12163_2_F10,1336	R.SYALSTQEGYSGYGAI	3099.584	0.0086	4	1	33.5	0
P12163_2_F10,1441	R.SYALSTQEGYSGYGAI	3099.584	0.00761	4	1	48.2	0
P12163_2_F10,1441	R.SYALSTQEGYSGYGAI	3099.584	-0.00084	3	1	30	0
P12163_2_F6,15046	R.SYALSTQEGYSGYGAI	3099.584	0.00309	3	1	43.9	0
P12163_2_S5,14649	R.SYALSTQEGYSGYGAI	3099.584	0.00909	4	1	48.3	0
P12163_1_F4,11669	R.VSAFGHR.E ! R.VSAFC	1077.611	0.00741	3	1	31.4	0
P12163_1_F3,13271	K.DMAFTASPGTK.G	1733.935	0.00816	3	1	30.1	0
P12163_1_F3,15048	K.DMAFTASPGTK.G	1733.935	0.00926	2	1	40.1	0
P12163_1_F4,13724	K.DMAFTASPGTK.G	1733.935	0.00578	2	1	25	0
P12163_2_F1,14307	K.DMAFTASPGTK.G	1733.935	0.00507	3	1	32.5	0
P12163_2_F1,14308	K.DMAFTASPGTK.G	1733.935	0.00574	2	1	52.4	0
P12163_1_F2,16331	K.ENLYATSLEFR.L	1646.869	0.00026	3	1	31	0
P12163_1_F2,17508	K.ENLYATSLEFR.L	1646.869	0.00403	2	1	35.9	0
P12163_1_F2,19631	K.ENLYATSLEFR.L	1646.869	0.00009	2	1	37.2	0
P12163_1_F2,19691	K.ENLYATSLEFR.L	1646.869	-0.00127	3	1	52.6	0
P12163_1_S1,19247	K.ENLYATSLEFR.L	1646.869	0.0014	3	1	37.5	0

P12163_2_F7,17388	K.ENLYATSLEFR.L	1646.869	0.00607	2	1	48.5	0
P12163_1_F5,10701	K.HLPGYM*K.M	1469.839	0.00681	3	1	28.1	0
P12163_2_F4,10784	K.HLPGYM*K.M	1469.839	0.00444	3	1	25.4	0
P12163_2_F8_12070	K.HLPGYM*K.M	1469.839	0.0051	3	1	22.9	0
P12163_1_S10,1361	K.HLPGYMK.M	1453.845	0.00462	3	1	22.2	0
P12163_2_F4,12255	K.HLPGYMK.M	1453.845	0.00444	3	1	23.1	0
P12163_2_F8_12070	K.HLPGYMK.M	1453.845	0.00474	3	1	29.6	0
P12163_1_F3,25651	K.LEFNTLQAIYQEELK.L	2447.364	0.00451	3	1	43	0
P12163_1_F9,18744	K.NHLLLELAK.L	1659.041	0.00384	3	1	51.8	0
P12163_1_F9,18765	K.NHLLLELAK.L	1659.041	0.0047	2	1	46.9	0
P12163_1_F9,18803	K.NHLLLELAK.L	1659.041	0.00468	4	1	30.6	0
P12163_1_F9,18954	K.NHLLLELAK.L	1659.041	0.00282	3	1	43.9	0
P12163_1_S10,1823	K.NHLLLELAK.L	1659.041	0.00273	3	1	39.2	0
P12163_2_F8_12070	K.NHLLLELAK.L	1659.041	0.00681	3	1	52.4	0
P12163_2_F9,17520	K.NHLLLELAK.L	1659.041	0.00828	4	1	31.7	0
P12163_2_F9,17578	K.NHLLLELAK.L	1659.041	0.00501	3	1	52.6	0
P12163_2_F9,17612	K.NHLLLELAK.L	1659.041	0.0074	2	1	44.9	0
P12163_2_F9,17809	K.NHLLLELAK.L	1659.041	0.00606	3	1	52.7	0
P12163_1_F3,24416	K.QQDFDMLLSIK.N	1946.088	0.00576	3	1	40.3	0
P12163_1_F3,24520	K.QQDFDMLLSIK.N	1946.088	0.00775	2	1	38.7	0
P12163_2_F10,1478	K.SIQCYMHETGASEEVA	2272.064	0.00122	3	1	41	0
P12163_2_F4,14608	K.SIQCYMHETGASEEVA	2272.064	0.00164	3	1	34.9	0
P12163_1_F2,13257	K.YDNLTVD.R	1299.685	0.00431	2	1	28.7	0
P12163_2_F7,19257	R.ALELPLHWK.V	1715.046	0.0026	3	1	32.3	0
P12163_2_F8_12070	R.ALELPLHWK.V	1715.046	0.00614	3	1	25.4	0
P12163_2_F7,15406	R.KENLYATSLEFR.L	2079.169	-0.00626	3	1	38.2	0
P12163_1_F7,20047	R.LGLAYHFEPEIR.N	1748.964	0.0039	3	1	57.4	0
P12163_1_F7,20052	R.LGLAYHFEPEIR.N	1748.964	0.00269	2	1	49.5	0
P12163_1_F8,21049	R.LGLAYHFEPEIR.N	1748.964	0.00079	2	1	24	0
P12163_2_F10,1850	R.LGLAYHFEPEIR.N	1748.964	0.00045	3	1	22.6	0
P12163_1_F4,5719	R.NIHNHNK.D	1484.854	0.00388	4	1	40.3	0
P12163_1_F4,5761	R.NIHNHNK.D	1484.854	-0.00175	3	1	33.6	0
P12163_2_F4,5084	R.NIHNHNK.D	1484.854	-0.00055	3	1	35.7	0
P12163_1_F6,18442	R.QHGYPVSQEVFSGFK.L	2318.239	0.00405	3	1	40.1	0
P12163_1_F7,17607	R.QHGYPVSQEVFSGFK.L	2318.239	0.00921	3	1	50.8	0
P12163_1_F7,17610	R.QHGYPVSQEVFSGFK.L	2318.239	0.00724	4	1	37.3	0
P12163_2_F6,17883	R.QHGYPVSQEVFSGFK.L	2318.239	0.00351	3	1	24.8	0
P12163_2_F6,17936	R.QHGYPVSQEVFSGFK.L	2318.239	0.00516	4	1	27	0
P12163_2_F7,16034	R.QHGYPVSQEVFSGFK.L	2318.239	-0.0027	3	1	54.5	0
P12163_1_F4,21378	R.WDINYALK.H	1630.941	0.00051	2	1	33.8	0
P12163_1_F5,20138	R.WDINYALK.H	1630.941	0.00348	3	1	31.9	0
P12163_1_S10,1908	R.WDINYALK.H	1630.941	0.00768	3	1	22.5	0
P12163_2_F1,20826	R.WDINYALK.H	1630.941	0.00816	3	1	32.7	0
P12163_2_F1,20905	R.WDINYALK.H	1630.941	0.00815	2	1	42.2	0
P12163_2_F8_12070	R.WDINYALK.H	1630.941	0.0033	3	1	26.2	0
P12163_1_F8,16020	K.AGHPTFVLVR.E	1400.832	0.0024	3	1	26.1	0
P12163_2_F6,15432	K.AGHPTFVLVR.E	1400.832	0.00258	3	1	31	0
P12163_1_F2,7035	K.AVDDPR.T	976.5365	0.00178	2	1	26.1	0
P12163_2_F1,6810	K.AVDDPR.T	976.5365	0.00264	2	1	32	0
P12163_1_F3,16236	K.EDDIGTYTIK.A	1762.968	0.01439	2	1	32	0
P12163_1_F4,18399	K.EYVSEEQLL.N ! R.EY	1846.042	0.00872	2	1	53.1	0

P12163_1_F4,18412	K.EYVSEEQLLK.N ! R.EY	1846.042	0.00857	3	1	45.8	0
P12163_1_F9,17086	K.EYVSEEQLLK.N ! R.EY	1846.042	-0.00286	3	1	25.5	0
P12163_2_F9,16197	K.EYVSEEQLLK.N ! R.EY	1846.042	0.00728	3	1	41.1	0
P12163_1_F4,19473	K.FIVEASVK.A	1500.925	0.00598	3	1	39.2	0
P12163_1_F4,19481	K.FIVEASVK.A	1500.925	0.00679	2	1	31.3	0
P12163_2_F1,18739	K.FIVEASVK.A	1500.925	0.00505	2	1	27.4	0
P12163_2_F4,16957	K.FIVEASVK.A	1500.925	-0.00149	3	1	31	0
P12163_1_F5,11499	K.GVQTNFK.I	1401.831	0.00836	2	1	28.1	0
P12163_2_F2,12251	K.GVQTNFK.I	1401.831	0.00692	2	1	28.3	0
P12163_2_F2,12252	K.GVQTNFK.I	1401.831	0.00585	3	1	26.4	0
P12163_1_F8,21764	K.IEPSFGVEASQLYPDVI	2487.359	0.00198	3	1	56.6	0
P12163_1_S1,20629	K.IEPSFGVEASQLYPDVI	2487.359	0.00543	4	1	25.4	0
P12163_1_S1,20673	K.IEPSFGVEASQLYPDVI	2487.359	0.00504	3	1	70.5	0
P12163_1_F3,19865	K.ILSIGGTGYIGK.F	1787.089	0.00183	3	1	33.7	0
P12163_1_F3,21576	K.ILSIGGTGYIGK.F	1787.089	0.00668	2	1	49.1	0
P12163_1_F3,21636	K.ILSIGGTGYIGK.F	1787.089	0.00756	3	1	45.6	0
P12163_1_F8,10580	K.NIQEAAPPHK.V	1712.99	0.00492	3	1	23.1	0
P12163_1_F8,10697	K.NIQEAAPPHK.V	1712.99	0.00124	2	1	27.3	0
P12163_2_F6,10479	K.NIQEAAPPHK.V	1712.99	0.00478	2	1	52.7	0
P12163_2_F6,10573	K.NIQEAAPPHK.V	1712.99	0.00609	3	1	50.3	0
P12163_1_F9,17128	K.SQLLDHFK.N ! K.SQLI	1595.937	0.00443	3	1	32.5	0
P12163_1_F9,17162	K.SQLLDHFK.N ! K.SQLI	1595.937	0.0037	2	1	32.3	0
P12163_1_F9,17345	K.SQLLDHFK.N ! K.SQLI	1595.937	0.00677	3	1	26.4	0
P12163_2_F9,16416	K.SQLLDHFK.N ! K.SQLI	1595.937	0.00413	3	1	30.3	0
P12163_2_F9,16522	K.SQLLDHFK.N ! K.SQLI	1595.937	0.01083	4	1	23.1	0
P12163_2_F9,16595	K.SQLLDHFK.N ! K.SQLI	1595.937	0.00812	2	1	38	0
P12163_2_F9,16634	K.SQLLDHFK.N ! K.SQLI	1595.937	0.00632	3	1	45.3	0
P12163_1_F5,9600	K.STYDVK.A	1320.762	0.00888	3	1	25.7	0
P12163_1_F2,18084	K.VVIFGDGNPK.A	1653.978	0.0084	2	1	26.1	0
P12163_1_F4,19358	K.VVIFGDGNPK.A	1653.978	0.00742	2	1	33.8	0
P12163_2_F1,18557	K.VVIFGDGNPK.A	1653.978	0.00434	2	1	32.1	0
P12163_2_F1,18562	K.VVIFGDGNPK.A	1653.978	0.0046	3	1	55.3	0
P12163_2_F4,16714	K.VVIFGDGNPK.A	1653.978	0.00196	3	1	24	0
P12163_1_F4,9783	R.ESTVSGPSK.S	1499.853	0.00881	3	1	22.3	0
P12163_1_F4,9798	R.ESTVSGPSK.S	1499.853	0.00634	2	1	28.7	0
P12163_1_F5,8300	R.ESTVSGPSK.S	1499.853	0.00526	2	1	25.3	0
P12163_1_F9,9668	R.VHGAVEPTK.S	1545.921	0.00557	3	1	45.6	0
P12163_2_F9,9138	R.VHGAVEPTK.S	1545.921	0.0059	3	1	42.8	0
P12163_2_F9,9228	R.VHGAVEPTK.S	1545.921	0.00654	2	1	24.4	0
P12163_2_F4,8193	K.AHASMLAK.Q	1452.845	0.00343	3	1	22.7	0
P12163_1_F5,10001	K.AHASMLAK.Q	1436.85	0.0125	2	1	24.3	0
P12163_2_F4,10087	K.AHASMLAK.Q	1436.85	0.00482	3	1	34.7	0
P12163_1_F4,15622	K.AVALCVSK.E	1455.881	-0.00049	2	1	35.5	0
P12163_1_F4,15634	K.AVALCVSK.E	1455.881	0.00342	3	1	33.7	0
P12163_1_F7,14022	K.AVALCVSK.E	1455.881	0.00021	3	1	25.2	0
P12163_2_F1,14733	K.AVALCVSK.E	1455.881	0.00942	3	1	33.8	0
P12163_2_F1,14737	K.AVALCVSK.E	1455.881	0.00633	2	1	35.3	0
P12163_2_F1,16602	K.FTESISYDK.A	1697.921	0.01123	2	1	31.3	0
P12163_2_F9,15571	K.FTESISYDK.A	1697.921	0.00626	3	1	33.5	0
P12163_2_F9,15577	K.FTESISYDK.A	1697.921	0.01155	2	1	29.4	0
P12163_1_S10,8253	K.HDIM*GSK.A	1411.782	0.00776	3	1	34.6	0

P12163_2_S5,7526	K.HDIM*GSK.A	1411.782	0.00629	3	1	28.4	0
P12163_1_F5,9297	K.HDIMGSK.A	1395.787	0.00545	3	1	23.6	0
P12163_1_S10,1090	K.HDIMGSK.A	1395.787	0.00911	3	1	41.4	0
P12163_2_S5,10048	K.HDIMGSK.A	1395.787	0.00266	3	1	36	0
P12163_2_F4,18117	K.LALKNEGLIVPGYTHL	2630.56	-0.00041	4	1	30.2	0
P12163_1_F7,14835	K.NEGLIVPGYTHLQR.A	1901.055	0.00252	4	1	23.3	0
P12163_1_F7,16217	K.NEGLIVPGYTHLQR.A	1901.055	0.00161	3	1	45.6	0
P12163_1_F8,16932	K.NEGLIVPGYTHLQR.A	1901.055	0.00165	2	1	37.1	0
P12163_2_F6,16340	K.NEGLIVPGYTHLQR.A	1901.055	0.00116	3	1	27.9	0
P12163_2_F6,16361	K.NEGLIVPGYTHLQR.A	1901.055	0.0016	2	1	44.6	0
P12163_2_F8_12070	K.NEGLIVPGYTHLQR.A	1901.055	0.00539	3	1	24.6	0
P12163_1_S1,16449	K.NPDPMELVR.G	1374.735	0.00388	2	1	32.9	0
P12163_1_F4,13806	K.QGLISDSKD.N	1570.89	0.00583	2	1	45	0
P12163_1_F5,12364	K.QGLISDSKD.N	1570.89	0.01409	2	1	37.8	0
P12163_2_F1,12823	K.QGLISDSKD.N	1570.89	0.00467	2	1	44	0
P12163_1_F2,11536	R.DAIDTIVR.S	1206.7	-0.00123	3	1	33.2	0
P12163_1_S1,11249	R.DAIDTIVR.S	1206.7	0.00249	3	1	24.2	0
P12163_1_F3,13867	R.FEESVTDAVEK.F	1862	0.00518	2	1	30.5	0
P12163_1_F3,15047	R.FEESVTDAVEK.F	1862	0.00656	2	1	29.2	0
P12163_1_F3,18675	R.FEESVTDAVEK.F	1862	0.00394	2	1	39.1	0
P12163_1_F4,19441	R.LQVALVK.L	1378.924	0.00534	2	1	33.8	0
P12163_1_F4,19442	R.LQVALVK.L	1378.924	0.00274	3	1	32.8	0
P12163_1_F5,18342	R.LQVALVK.L	1378.924	0.00706	3	1	30.8	0
P12163_2_F1,18748	R.LQVALVK.L	1378.924	0.00421	3	1	31	0
P12163_2_F1,18762	R.LQVALVK.L	1378.924	0.00766	2	1	34.1	0
P12163_2_F2,19085	R.LQVALVK.L	1378.924	0.00793	3	1	30.9	0
P12163_1_F2,14655	R.NDQVLTDFR.L	1411.748	0.00152	3	1	22.7	0
P12163_1_S1,14350	R.NDQVLTDFR.L	1411.748	-0.00343	3	1	34.3	0
P12163_1_S1,16139	R.NDQVLTDFR.L	1411.748	0.00319	2	1	41.4	0
P12163_1_F2,10043	R.NSIDAVSDR.D	1280.675	0.00339	2	1	29.3	0
P12163_1_F9,8429	R.TSHDIVGK.A	1464.863	0.01052	3	1	22.3	0
P12163_1_F2,16425	K.EDYGSLVDDEYGK.E	2098.044	0.00692	2	1	24.6	0
P12163_1_F2,16468	K.EDYGSLVDDEYGK.E	2098.044	0.00903	3	1	51.5	0
P12163_1_S1,16150	K.EDYGSLVDDEYGK.E	2098.044	0.00388	2	1	40.8	0
P12163_1_S1,16255	K.EDYGSLVDDEYGK.E	2098.044	0.0087	3	1	46.9	0
P12163_1_F4,20575	K.FVAPCYM*NK.I	1916.986	0.00475	3	1	34.9	0
P12163_1_F4,20545	K.FVAPCYM*NK.I	1900.991	0.01147	2	1	28.8	0
P12163_2_F9,17913	K.FVAPCYM*NK.I	1900.991	0.0091	3	1	23.5	0
P12163_1_S1,12996	K.ITFTPTQADR.L	1453.795	-0.00325	3	1	28.4	0
P12163_1_S1,14702	K.ITFTPTQADR.L	1453.795	0.0026	3	1	42.7	0
P12163_1_F6,16722	K.LESSGHWGFAGANDG	2176.047	0.00902	3	1	23.1	0
P12163_2_F6,15990	K.LESSGHWGFAGANDG	2176.047	0.00668	3	1	22	0
P12163_1_F4,14957	K.LMEGSEDVNK.E	1729.925	0.01273	2	1	28	0
P12163_2_F1,13959	K.LMEGSEDVNK.E	1729.925	0.00539	2	1	46.2	0
P12163_1_F4,17216	K.LPVVGDK.K	1335.846	0.00898	3	1	26.2	0
P12163_2_F1,16319	K.LPVVGDK.K	1335.846	0.00489	2	1	30.9	0
P12163_1_F2,16848	K.VYDGDM*IVLQGQEK	2219.184	0.00568	3	1	27.4	0
P12163_1_S1,18453	K.VYDGDM*IVLQGQEK.I	2203.189	0.01021	3	1	35.1	0
P12163_2_F1,19087	K.WVAFDDK.C	1488.831	0.00368	3	1	24.8	0
P12163_2_F1,19100	K.WVAFDDK.C	1488.831	0.00121	2	1	25.8	0
P12163_2_F2,19572	K.WVAFDDK.C	1488.831	0.00643	2	1	29.3	0

P12163_1_F9,14821	R.AKPLPFK.L	1713.119	0.01134	3	1	28.8	0
P12163_2_F8_12070	R.AKPLPFK.L	1713.119	0.01246	4	1	22.9	0
P12163_1_F4,22992	R.DLVLWFDNNSNK.W	2073.122	0.0073	3	1	22.7	0
P12163_1_F4,24882	R.DLVLWFDNNSNK.W	2073.122	0.00788	2	1	40.2	0
P12163_1_F4,24883	R.DLVLWFDNNSNK.W	2073.122	0.00697	3	1	50.4	0
P12163_1_F4,13628	R.EAYSAFQTGQK.F	1837.99	0.00685	3	1	41.5	0
P12163_1_F4,13642	R.EAYSAFQTGQK.F	1837.99	0.00756	2	1	30.3	0
P12163_1_F4,14812	R.EAYSAFQTGQK.F	1837.99	0.0014	2	1	70.8	0
P12163_1_F4,14820	R.EAYSAFQTGQK.F	1837.99	0.00655	3	1	33.5	0
P12163_1_F9,14074	R.EAYSAFQTGQK.F	1837.99	0.0055	3	1	38.7	0
P12163_1_F9,14083	R.EAYSAFQTGQK.F	1837.99	0.00852	2	1	32	0
P12163_2_F1,12505	R.EAYSAFQTGQK.F	1837.99	0.00277	3	1	23.9	0
P12163_2_F1,13772	R.EAYSAFQTGQK.F	1837.99	0.00598	2	1	58.9	0
P12163_2_F8_12070	R.EAYSAFQTGQK.F	1837.99	0.00757	3	1	25.7	0
P12163_1_F9,12379	R.FEQHTLK.C	1510.884	0.00757	2	1	30.3	0
P12163_2_F9,11622	R.FEQHTLK.C	1510.884	0.00929	2	1	30.5	0
P12163_2_F9,11644	R.FEQHTLK.C	1510.884	0.00617	3	1	21.9	0
P12163_1_S1,10435	R.IPQAASEGPEAR.A	1529.822	0.00164	3	1	36.1	0
P12163_1_S1,10669	R.IPQAASEGPEAR.A	1529.822	0.00425	3	1	37.3	0
P12163_1_S1,11814	R.IPQAASEGPEAR.A	1529.822	0.0032	3	1	50.9	0
P12163_1_S1,11928	R.IPQAASEGPEAR.A	1529.822	0.00468	2	1	46.8	0
P12163_2_F1,6192	R.SIVCSAR.N	1096.609	0.0032	3	1	23.6	0
P12163_1_F3,16785	K.AEEAAAGSDGLAGFQ	2130.129	0.00606	3	1	74	0
P12163_1_F3,16802	K.AEEAAAGSDGLAGFQ	2130.129	0.00717	2	1	89.5	0
P12163_1_S1,22327	K.ANFLAADDQPPLIPEI	2494.38	0.00646	3	1	46.2	0
P12163_1_S1,22355	K.ANFLAADDQPPLIPEI	2494.38	0.01013	4	1	36.8	0
P12163_1_F5,12608	K.CEAAPGCGEWK.R	1872.919	0.01091	2	1	32.1	0
P12163_2_F1,12942	K.CEAAPGCGEWK.R	1872.919	0.00163	2	1	40.6	0
P12163_1_S1,20260	K.EFDNESPYMIM*FGPD	2544.225	0.00596	3	1	29.1	0
P12163_1_S1,22968	K.EFDNESPYMIMFGPDK	2528.23	0.00755	3	1	32.4	0
P12163_1_S1,23022	K.EFDNESPYMIMFGPDK	2528.23	0.00603	4	1	46.1	0
P12163_1_F3,18790	K.ELDEPLSLK.D	1651.973	0.00992	2	1	27.9	0
P12163_1_F3,18805	K.ELDEPLSLK.D	1651.973	0.00445	3	1	28.1	0
P12163_1_F4,19240	K.ELDEPLSLK.D	1651.973	0.00748	2	1	37.6	0
P12163_1_F4,19259	K.ELDEPLSLK.D	1651.973	0.00523	3	1	28.6	0
P12163_1_F4,8486	K.ETEAAESSSSK.Q	1733.901	0.01018	2	1	46.9	0
P12163_1_F4,8487	K.ETEAAESSSSK.Q	1733.901	0.00952	3	1	22.2	0
P12163_2_F1,7668	K.ETEAAESSSSK.Q	1733.901	0.00008	2	1	32.5	0
P12163_1_F4,22408	K.IIDVIEK.G	1437.914	0.00764	2	1	33.2	0
P12163_1_F4,23019	K.IIDVIEK.G	1437.914	0.00636	2	1	31	0
P12163_2_F1,21778	K.IIDVIEK.G	1437.914	0.00598	2	1	28.6	0
P12163_1_F5,19355	K.LTHVYTAILKPDNELR	2491.449	0.00273	3	1	39.9	0
P12163_1_F8,19521	K.LTHVYTAILKPDNELR	2491.449	0.00345	3	1	23.1	0
P12163_1_S10,1834	K.LTHVYTAILKPDNELR	2491.449	0.00873	3	1	28.5	0
P12163_1_S10,1835	K.LTHVYTAILKPDNELR	2491.449	0.00692	4	1	24.4	0
P12163_2_F10,1717	K.LTHVYTAILKPDNELR	2491.449	0.0057	3	1	55.2	0
P12163_2_F10,1720	K.LTHVYTAILKPDNELR	2491.449	0.00392	4	1	30.7	0
P12163_2_S5,17960	K.LTHVYTAILKPDNELR	2491.449	0.0042	4	1	23.4	0
P12163_2_S5,17974	K.LTHVYTAILKPDNELR	2491.449	0.0042	3	1	42.6	0
P12163_1_F4,11387	K.NPPSVPSDK.L	1548.884	0.00689	3	1	47.3	0
P12163_2_F1,10564	K.NPPSVPSDK.L	1548.884	-0.00008	3	1	24.6	0

P12163_2_F4,15303	K.SEGHEDYGLLVGEPAI	2309.223	0.00561	3	1	27.8	0
P12163_1_F4,12754	K.SGEYIEHHLK.N	1821.011	0.01148	3	1	25.5	0
P12163_1_F6,12349	K.SGEYIEHHLK.N	1821.011	0.00668	3	1	24	0
P12163_2_F9,16024	K.VHFILK.H	1364.887	0.00303	3	1	29.3	0
P12163_2_F9,16242	K.VHFILK.H	1364.887	0.00495	3	1	26.4	0
P12163_1_F3,16530	R.ILIDGEEK.Q	1524.909	0.0073	2	1	25.5	0
P12163_2_F4,15060	R.ILIDGEEK.Q	1524.909	-0.00022	2	1	25.8	0
P12163_1_F4,18903	R.LQNGLECGGAYLK.Y	2031.115	0.00211	3	1	53.2	0
P12163_1_F4,18907	R.LQNGLECGGAYLK.Y	2031.115	0.00487	2	1	65.3	0
P12163_2_F1,18188	R.LQNGLECGGAYLK.Y	2031.115	0.00069	2	1	43.6	0
P12163_2_F1,18228	R.LQNGLECGGAYLK.Y	2031.115	0.0034	3	1	53.1	0
P12163_1_F2,11681	K.GASVIYEEVR.R	1426.784	0.0058	3	1	33.3	0
P12163_1_F9,16462	K.GASVIYEEVR.R	1426.784	0.00186	2	1	36.2	0
P12163_2_F1,16587	K.GASVIYEEVR.R	1426.784	0.00394	2	1	27.2	0
P12163_1_F9,10020	K.GVNDIHK.R	1390.826	0.00626	3	1	34.8	0
P12163_2_F9,9749	K.GVNDIHK.R	1390.826	0.00077	3	1	22.2	0
P12163_1_S1,17687	K.IPDISTEDNLVK.K	1952.116	0.00717	3	1	33.4	0
P12163_1_S1,17756	K.IPDISTEDNLVK.K	1952.116	0.00437	2	1	44.7	0
P12163_1_S1,10209	K.IVDSIQDR.G	1249.705	0.00166	3	1	25.2	0
P12163_1_S1,14985	K.IVDSIQDR.G	1249.705	0.00461	2	1	35.4	0
P12163_1_F4,14965	K.NTIALTPK.G	1465.92	0.00019	2	1	24.1	0
P12163_1_F5,6211	K.QHHVVITDR.M	1408.796	0.00576	3	1	22.6	0
P12163_1_F5,6235	K.QHHVVITDR.M	1408.796	0.00223	2	1	36.8	0
P12163_1_F6,7328	K.QHHVVITDR.M	1408.796	0.00425	2	1	29.8	0
P12163_2_S5,7242	K.QHHVVITDR.M	1408.796	0.00206	4	1	59.1	0
P12163_1_F7,15723	K.QYFVHVDDTVPQK.V	2184.191	0.00726	3	1	30	0
P12163_1_F7,15741	K.QYFVHVDDTVPQK.V	2184.191	0.00437	2	1	28.4	0
P12163_2_F6,16008	K.QYFVHVDDTVPQK.V	2184.191	0.01083	3	1	22.5	0
P12163_1_S1,15067	K.SFGFDTAVEEAQR.A !	1760.876	0.00324	3	1	49.7	0
P12163_1_S1,15953	K.SFGFDTAVEEAQR.A !	1760.876	0.00249	3	1	45.8	0
P12163_1_S1,17931	K.SFGFDTAVEEAQR.A !	1760.876	0.00443	2	1	68.6	0
P12163_1_S1,17970	K.SFGFDTAVEEAQR.A !	1760.876	0.00135	3	1	89	0
P12163_1_F4,17842	K.VVVAGIPK.T	1390.924	0.00675	2	1	30.8	0
P12163_1_F4,17844	K.VVVAGIPK.T	1390.924	0.00657	3	1	30.2	0
P12163_2_F1,17029	K.VVVAGIPK.T	1390.924	0.00547	2	1	32	0
P12163_2_F1,17034	K.VVVAGIPK.T	1390.924	0.00294	3	1	37.7	0
P12163_2_F2,1104	K.VVVAGIPK.T	1390.924	0.00323	2	1	36.2	0
P12163_1_S1,19345	K.YIDPTYMIR.A	1475.787	0.00236	3	1	30.4	0
P12163_1_F8,17228	R.AINAAHVEAESSENCI	2720.45	0.00574	4	1	40.7	0
P12163_1_F8,17255	R.AINAAHVEAESSENCI	2720.45	0.00611	3	1	75.4	0
P12163_2_F6,16781	R.AINAAHVEAESSENCI	2720.45	0.00878	3	1	57.1	0
P12163_1_F3,16809	R.GINQVYIIGDGTQK.C	2171.228	0.00568	3	1	42.6	0
P12163_1_F3,18341	R.GINQVYIIGDGTQK.C	2171.228	0.00674	2	1	63.5	0
P12163_2_F2,17919	R.GINQVYIIGDGTQK.C	2171.228	0.00583	3	1	22.4	0
P12163_2_F10,6941	R.GTHFR.R	921.5208	-0.00426	3	1	25.9	0
P12163_2_F9,6857	R.GTHFR.R	921.5208	0.00159	3	1	23.8	0
P12163_1_F5,6071	R.SATQQDASGNK.L	1714.918	0.00832	2	1	46.2	0
P12163_2_F1,6382	R.SATQQDASGNK.L	1714.918	0.00578	2	1	49.1	0
P12163_2_F1,6386	R.SATQQDASGNK.L	1714.918	0.00501	3	1	31.4	0
P12163_2_S3,15762	K.DSEILDDVGDHVVYFV	2707.305	0.00385	4	1	39.6	0
P12163_2_S3,15769	K.DSEILDDVGDHVVYFV	2707.305	-0.00071	5	1	29.4	0

P12163_1_F4,15202	K.EVPIQSVK.E	1507.93	0.00721	2	1	28.9	0
P12163_1_F3,8634	K.GDQYDVR.E	1156.59	0.00491	2	1	28.1	0
P12163_1_F4,21572	K.GFDM*DLIK.L	1562.871	0.00797	2	1	25.8	0
P12163_2_F1,21050	K.GFDMDLIK.L	1546.876	0.00561	2	1	34.6	0
P12163_1_S10,8839	K.KPTEGK.A	1571.988	0.00441	4	1	34.9	0
P12163_2_F8_12070	K.KPTEGK.A	1571.988	0.00497	4	1	29	0
P12163_1_F9,15381	K.RVIACL DVR.A	1405.825	0.0055	3	1	35.8	0
P12163_1_F2,13464	K.SGDVGLSVLR.R	1306.763	0.00261	3	1	42.3	0
P12163_1_F2,14148	K.SGDVGLSVLR.R	1306.763	0.00672	3	1	48.8	0
P12163_1_F2,14151	K.SGDVGLSVLR.R	1306.763	-0.01045	2	1	24.8	0
P12163_1_F2,17098	K.SGDVGLSVLR.R	1306.763	0.00453	2	1	44.4	0
P12163_1_F3,12374	K.SSLEQISR.V	1223.69	0.00352	2	1	26.6	0
P12163_1_F6,19126	K.TNASAALAAGIFHR.K	1703.949	0.00186	3	1	38.5	0
P12163_1_F8,16505	K.TNASAALAAGIFHR.K	1703.949	0.00195	4	1	41.8	0
P12163_1_F8,19101	K.TNASAALAAGIFHR.K	1703.949	0.00243	3	1	48	0
P12163_2_F6,15920	K.TNASAALAAGIFHR.K	1703.949	0.00363	4	1	41.7	0
P12163_2_F6,15937	K.TNASAALAAGIFHR.K	1703.949	0.00075	3	1	52.7	0
P12163_2_F6,18671	K.TNASAALAAGIFHR.K	1703.949	0.00309	3	1	51.9	0
P12163_2_F6,18674	K.TNASAALAAGIFHR.K	1703.949	-0.00008	2	1	55.2	0
P12163_2_S5,17855	K.TNASAALAAGIFHR.K	1703.949	0.00543	3	1	31.6	0
P12163_1_F6,12017	R.GNVHAVQFHPEK.S	1971.102	0.01301	3	1	24.1	0
P12163_1_F7,11393	R.GNVHAVQFHPEK.S	1971.102	0.00446	4	1	37.9	0
P12163_2_F8_12070	R.GNVHAVQFHPEK.S	1971.102	0.00438	4	1	29.5	0
P12163_2_F9,11188	R.GNVHAVQFHPEK.S	1971.102	0.01296	3	1	34.6	0
P12163_2_F9,11243	R.GNVHAVQFHPEK.S	1971.102	0.00662	3	1	33.5	0
P12163_1_F9,15293	R.HLGF GIK.D	1379.862	0.00398	3	1	40.1	0
P12163_1_S10,1518	R.HLGF GIK.D	1379.862	0.00716	3	1	36	0
P12163_2_F9,14241	R.HLGF GIK.D	1379.862	0.0029	3	1	28.1	0
P12163_1_F3,23518	R.VPQIGW NALQITK.D	2076.243	0.00514	3	1	36.7	0
P12163_2_F6,17706	R.VYGNQAVVVSIDPR.R	1821.017	-0.00073	2	1	45.8	0
P12163_1_F7,16077	R.VYITHPNDVEFK.A	2070.148	0.0073	3	1	42.8	0
P12163_1_F7,16089	R.VYITHPNDVEFK.A	2070.148	0.00305	2	1	50	0
P12163_1_F8,16764	R.VYITHPNDVEFK.A	2070.148	-0.00319	2	1	36.5	0
P12163_2_F6,16228	R.VYITHPNDVEFK.A	2070.148	0.00478	3	1	39.1	0
P12163_2_F6,16230	R.VYITHPNDVEFK.A	2070.148	0.00057	2	1	36.1	0
P12163_2_F2,14803	K.AAQLGLK.T	1308.846	0.00796	3	1	25.6	0
P12163_1_S1,20183	K.AEEDGVACVEFLAGK	2203.152	0.00333	3	1	42.3	0
P12163_1_F3,16956	K.AIDDAEGIVK.I	1638.952	0.00788	2	1	46.2	0
P12163_1_F4,17527	K.AIDDAEGIVK.I	1638.952	0.0064	3	1	36.9	0
P12163_1_F4,17532	K.AIDDAEGIVK.I	1638.952	0.00582	2	1	47.4	0
P12163_2_F10,1354	K.EAAMATHDKPIHI.-	2042.131	0.00164	4	1	29.2	0
P12163_2_F10,1354	K.EAAMATHDKPIHI.-	2042.131	0.00617	3	1	28.9	0
P12163_1_S1,17938	K.FSSVEVDLPAM*M*AC	2293.203	0.01127	3	1	27.2	0
P12163_1_F3,15915	K.LTLEPAAGGEK.T	1693.994	0.00757	3	1	46.3	0
P12163_1_F3,14857	K.NIIIATGSDVK.S	1739.052	0.00585	3	1	30.7	0
P12163_1_F3,17200	K.NIIIATGSDVK.S	1739.052	0.0027	3	1	36.4	0
P12163_1_F4,17715	K.NIIIATGSDVK.S	1739.052	0.01062	3	1	55.6	0
P12163_1_F4,17750	K.NIIIATGSDVK.S	1739.052	0.00579	2	1	44.1	0
P12163_1_F6,16557	K.NIIIATGSDVK.S	1739.052	0.00162	3	1	33.6	0
P12163_2_F1,16900	K.NIIIATGSDVK.S	1739.052	0.00552	3	1	51.4	0
P12163_2_F1,16950	K.NIIIATGSDVK.S	1739.052	0.00629	2	1	38.6	0

P12163_2_F4,15320	K.NIIATGSDVK.S	1739.052	-0.00195	3	1	43.6	0
P12163_1_F3,16166	K.SLPGITIDEK.R	1680.999	0.00589	2	1	31.3	0
P12163_1_F3,18605	K.SLPGITIDEK.R	1680.999	0.00815	3	1	41.8	0
P12163_1_F3,18618	K.SLPGITIDEK.R	1680.999	0.00695	2	1	32.7	0
P12163_1_F7,15877	K.VPGVVYTHPEVASVG	2247.296	0.00487	3	1	41.1	0
P12163_1_F8,16673	K.VPGVVYTHPEVASVG	2247.296	0.0091	3	1	26.4	0
P12163_1_S10,1574	K.VPGVVYTHPEVASVG	2247.296	0.00889	3	1	34.7	0
P12163_2_F10,1472	K.VPGVVYTHPEVASVG	2247.296	0.00682	3	1	45.5	0
P12163_2_S5,15068	K.VPGVVYTHPEVASVG	2247.296	-0.00038	3	1	23.6	0
P12163_1_F2,15755	K.VVGVDLSGDGVK.L	1753.032	0.01058	3	1	29.6	0
P12163_1_F2,17482	K.VVGVDLSGDGVK.L	1753.032	0.01253	3	1	47.5	0
P12163_1_F2,17489	K.VVGVDLSGDGVK.L	1753.032	0.00528	2	1	46.9	0
P12163_1_S1,16446	K.VVGVDLSGDGVK.L	1753.032	0.00344	3	1	74.2	0
P12163_1_F3,16966	R.GALGGTCLNVGCIPSK	2212.204	0.0083	3	1	38.9	0
P12163_1_F3,18606	R.GALGGTCLNVGCIPSK	2212.204	0.00208	2	1	75.7	0
P12163_2_F1,20385	R.GIEGLFK.K	1371.846	0.00606	2	1	27.3	0
P12163_2_F1,20389	R.GIEGLFK.K	1371.846	0.00413	3	1	30	0
P12163_1_F3,17456	R.TPFTAGLGLDK.I	1728.015	0.00824	2	1	32.4	0
P12163_2_F1,20551	R.TPFTAGLGLDK.I	1728.015	0.00317	3	1	27.1	0
P12163_1_F4,12402	R.VCHAHPTMSEALK.E	2089.114	0.00333	3	1	26.1	0
P12163_1_F7,22209	K.EVEDILGEHAILFK.E	2221.269	0.00474	3	1	38.8	0
P12163_2_S5,21428	K.EVEDILGEHAILFK.E	2221.269	0.00078	4	1	25.3	0
P12163_1_F3,8377	K.GGIHDHVGGGFHR.Y	1649.856	-0.00095	3	1	25.5	0
P12163_1_F3,8424	K.GGIHDHVGGGFHR.Y	1649.856	0.00302	4	1	46.3	0
P12163_1_F4,8881	K.GGIHDHVGGGFHR.Y	1649.856	0.00118	4	1	24.5	0
P12163_2_S3,8008	K.GGIHDHVGGGFHR.Y	1649.856	0.00274	4	1	44.8	0
P12163_2_S3,8018	K.GGIHDHVGGGFHR.Y	1649.856	0.00475	3	1	25	0
P12163_1_F6,10846	K.HVVVLVGHK.S	1496.952	0.01328	4	1	37.6	0
P12163_1_F6,10855	K.HVVVLVGHK.S	1496.952	0.0117	3	1	55.3	0
P12163_2_F7,9949	K.HVVVLVGHK.S	1496.952	0.0084	4	1	27.7	0
P12163_2_F7,9968	K.HVVVLVGHK.S	1496.952	0.00291	3	1	53.4	0
P12163_2_S5,10021	K.HVVVLVGHK.S	1496.952	0.00556	4	1	39.8	0
P12163_2_S5,10070	K.HVVVLVGHK.S	1496.952	0.00885	3	1	36.7	0
P12163_1_S1,17377	K.LPDELPQNALR.L	1569.89	0.00325	3	1	28.7	0
P12163_1_F3,19113	K.NVLIELNDSSASASK.L	2156.202	0.00702	3	1	52.4	0
P12163_2_F1,6253	K.SGEASEGQK.M	1500.811	0.00532	3	1	35.8	0
P12163_2_F2,6888	K.SGEASEGQK.M	1500.811	0.0083	2	1	26.9	0
P12163_1_F9,20191	K.YLNILGECR.R	1441.777	0.00613	2	1	31.2	0
P12163_2_F1,21294	K.YLNILGECR.R	1441.777	0.00453	2	1	32.3	0
P12163_2_F2,16977	R.FGGFGSAPK.F	1475.847	0.00655	3	1	22	0
P12163_2_S3,7549	R.HLYDEQTHR.L	1502.765	-0.00043	4	1	25.6	0
P12163_1_F5,19036	R.LASIVAGSK.S	1453.92	0.00341	2	1	27.4	0
P12163_2_F1,19096	R.LASIVAGSK.S	1453.92	0.00309	2	1	36	0
P12163_2_F1,19110	R.LASIVAGSK.S	1453.92	0.00855	3	1	42.8	0
P12163_2_F1,14053	R.LCAEQLSK.S	1556.893	0.00725	2	1	27.1	0
P12163_1_F8,15976	R.QNAEHSLAVFETR.L	1805.945	-0.00093	3	1	35.1	0
P12163_1_F8,16022	R.QNAEHSLAVFETR.L	1805.945	0.00283	2	1	58.2	0
P12163_2_F6,15408	R.QNAEHSLAVFETR.L	1805.945	0.00123	3	1	39.6	0
P12163_2_F6,15424	R.QNAEHSLAVFETR.L	1805.945	0.00503	2	1	55	0
P12163_2_S5,15851	R.VKEDHDGAEPGNSV	2930.579	-0.00543	4	1	28.2	0
P12163_2_S5,15272	R.WHVPHF EK.M	1687.953	0.00764	4	1	27.7	0

P12163_1_S1,13886	K.AVTLCVEDR.D	1366.73	0.00477	2	1	45.2	0
P12163_2_F9,13613	K.EIHSLLR.Q	1171.71	0.00288	3	1	30.7	0
P12163_2_F6,23801	K.LLAHLVEVEM*NK.R	2020.172	0.00106	3	1	29.4	0
P12163_1_F4,25602	K.LTLFDLTK.Q	1558.966	0.00666	2	1	40.4	0
P12163_2_F1,24825	K.LTLFDLTK.Q	1558.966	0.00532	2	1	33.1	0
P12163_2_F1,24865	K.LTLFDLTK.Q	1558.966	0.00424	3	1	27.4	0
P12163_1_F3,19961	K.NQFVETNVGFDTICK.V	2380.243	0.00574	3	1	86.6	0
P12163_1_F3,27383	K.STLLGFLGGSEGLFAQ	2333.332	0.00322	3	1	53.8	0
P12163_1_F2,20042	K.VNSQLISNVCTDALSA	2557.375	0.00512	3	1	77.2	0
P12163_1_F7,16527	K.VPDAQIITEHPAIR.V	1864.059	-0.00625	2	1	26.7	0
P12163_1_F7,16532	K.VPDAQIITEHPAIR.V	1864.059	0.00032	3	1	54.3	0
P12163_1_F8,85	K.VPDAQIITEHPAIR.V	1864.059	-0.00244	3	1	35.4	0
P12163_2_S5,15737	K.VPDAQIITEHPAIR.V	1864.059	-0.00577	3	1	54.3	0
P12163_2_S5,15778	K.VPDAQIITEHPAIR.V	1864.059	0.00014	4	1	26.2	0
P12163_1_F2,20405	K.VVGVPVTLNGDLK.N	1919.179	0.00623	3	1	36.4	0
P12163_1_F2,20422	K.VVGVPVTLNGDLK.N	1919.179	0.00799	2	1	26.1	0
P12163_1_F3,19560	R.CGAAPITSMMTVK.R	1975.063	0.01102	3	1	22.5	0
P12163_2_F1,19595	R.CGAAPITSMMTVK.R	1975.063	0.004	3	1	30.7	0
P12163_1_F3,14464	R.ELSLQQLR.S	1347.79	0.00275	3	1	40.9	0
P12163_1_F2,23604	R.FLLDDLVR.N	1358.762	0.00291	2	1	29.3	0
P12163_1_F3,15167	R.NPGPVQFDGPGADAK	2078.113	0.00543	3	1	44.5	0
P12163_1_F6,13333	R.VEFGDSTTTADPADTH	2411.163	-0.00185	3	1	26.8	0
P12163_1_F6,14608	R.VEFGDSTTTADPADTH	2411.163	-0.00224	3	1	48.2	0
P12163_1_F6,14689	R.VEFGDSTTTADPADTH	2411.163	-0.00187	2	1	24.7	0
P12163_2_F10,1344	R.VEFGDSTTTADPADTH	2411.163	0.00307	3	1	49.8	0
P12163_2_F4,13568	R.VEFGDSTTTADPADTH	2411.163	0.00346	3	1	78.7	0
P12163_2_S3,12826	R.VEFGDSTTTADPADTH	2411.163	-0.00413	3	1	52.8	0
P12163_1_F9,13786	K.EHILLAR.Q	1155.715	0.00618	3	1	24.7	0
P12163_2_F9,12895	K.EHILLAR.Q	1155.715	0.00264	3	1	31.1	0
P12163_1_S1,20738	K.FPGDEIPIR.G	1460.841	0.00348	3	1	39.9	0
P12163_2_F4,12943	K.LHVNVGTIGHVDHGK	2191.256	0.00465	5	1	22.3	0
P12163_2_F4,12950	K.LHVNVGTIGHVDHGK	2191.256	0.00291	4	1	43.5	0
P12163_2_F4,12979	K.LHVNVGTIGHVDHGK	2191.256	-0.00531	3	1	46.6	0
P12163_1_F4,17245	K.TTLTAAITK.V	1527.957	0.00468	3	1	28.4	0
P12163_2_F1,18465	K.TTVTGVEMFK.K	1720.976	0.00757	3	1	23.2	0
P12163_2_F1,18494	K.TTVTGVEMFK.K	1720.976	0.00238	2	1	42.5	0
P12163_1_F4,21494	K.VELLGDVK.M	1480.919	0.00445	3	1	23.6	0
P12163_1_F4,21537	K.VELLGDVK.M	1480.919	0.00823	2	1	38.8	0
P12163_2_F1,21045	K.VELLGDVK.M	1480.919	0.00069	2	1	37.8	0
P12163_2_F1,21066	K.VELLGDVK.M	1480.919	0.00109	3	1	33.2	0
P12163_2_F2,13380	K.VLAEEGK.A	1353.82	0.00522	2	1	26.6	0
P12163_2_F1,21120	R.ELLSFYK.F	1507.898	0.00591	3	1	23	0
P12163_1_S1,17932	R.GEAGDNVGLLLR.G	1517.859	0.00039	2	1	40.4	0
P12163_1_S1,17988	R.GEAGDNVGLLLR.G	1517.859	-0.0014	3	1	47.5	0
P12163_1_F8,16537	R.GITIATAHVEYETAK.R	2212.243	0.00638	4	1	30.1	0
P12163_2_F10,1509	R.GITIATAHVEYETAK.R	2212.243	-0.00186	4	1	24.2	0
P12163_1_F5,10528	R.GSATSALQGK.N	1527.895	0.00988	2	1	33.1	0
P12163_1_F2,10182	R.HYAHVDCPGHADYVK	2377.197	0.00784	3	1	45.9	0
P12163_1_F3,10373	R.HYAHVDCPGHADYVK	2377.197	0.00901	3	1	24	0
P12163_2_F2,10303	R.HYAHVDCPGHADYVK	2377.197	0.00538	3	1	41.3	0
P12163_2_F2,10326	R.HYAHVDCPGHADYVK	2377.197	0.00593	4	1	34.3	0

P12163_2_S3,9628	R.HYAHVDCPGHADYVFK	2377.197	0.00605	4	1	37.4	0
P12163_1_F3,25023	R.QVGVPSLVCFLNK.V	2069.204	0.00556	3	1	43.9	0
P12163_1_F4,12989	R.TVGAGVVSK.A	1425.889	0.00681	2	1	36.5	0
P12163_1_S1,18703	K.AGEFFSSALTSAAAQC	2046.056	0.00162	3	1	54.1	0
P12163_1_S1,18716	K.AGEFFSSALTSAAAQC	2046.056	0.00471	3	1	52.9	0
P12163_1_S1,21401	K.AGEFFSSALTSAAAQC	2046.056	0.0126	3	1	71.8	0
P12163_1_S1,21440	K.AGEFFSSALTSAAAQC	2046.056	-0.00548	2	1	75.9	0
P12163_1_F5,17081	K.AGILSSVK.S	1382.883	0.008	2	1	32.5	0
P12163_1_F3,22554	K.CLVGEGWSPVFATK.C	2159.178	0.00813	3	1	24.8	0
P12163_1_S10,1537	K.FYEGDGYK.F	1586.831	0.00801	3	1	24.7	0
P12163_1_S1,24379	K.LGDLEAELVEINANGI	2408.313	0.00745	3	1	25.5	0
P12163_1_F2,10301	K.QAQAISEVSGR.L	1449.796	0.00284	3	1	39.8	0
P12163_1_F2,11915	K.QAQAISEVSGR.L	1449.796	0.00492	2	1	37.1	0
P12163_1_F8,13437	K.TTIDAGLLHR.G	1400.816	0.0032	3	1	40.1	0
P12163_1_F8,13681	K.TTIDAGLLHR.G	1400.816	0.00353	3	1	53	0
P12163_1_F8,15175	K.TTIDAGLLHR.G	1400.816	0.00221	3	1	50.4	0
P12163_2_F6,14643	K.TTIDAGLLHR.G	1400.816	0.00149	3	1	57.4	0
P12163_2_F6,14667	K.TTIDAGLLHR.G	1400.816	0.00124	2	1	32.2	0
P12163_2_F6,14997	K.TTIDAGLLHR.G	1400.816	0.00218	3	1	25.4	0
P12163_1_F7,22274	R.AAFDSNSQVGAIFQVL	2641.456	0.0006	3	1	39.9	0
P12163_1_F3,12595	R.ADNNTDDLEVK.L	1841.97	0.008	3	1	42.8	0
P12163_1_F6,12683	R.AHSELVEYK.L	1683.953	0.00715	3	1	36.2	0
P12163_1_F9,12498	R.AHSELVEYK.L	1683.953	0.00882	2	1	31.2	0
P12163_2_F9,11952	R.AHSELVEYK.L	1683.953	0.00816	3	1	26.2	0
P12163_1_F6,19451	R.DTYPFQVDPVWHGSR	2037.013	0.00438	3	1	26.7	0
P12163_1_S10,1786	R.LHWVEFQNK.F	1809.027	0.01085	3	1	31.2	0
P12163_2_F8_12070	R.LHWVEFQNK.F	1809.027	-0.00007	3	1	43.8	0
P12163_1_F4,24173	R.SELPFLNSLK.M	1756.046	0.00814	2	1	33.9	0
P12163_2_F1,18446	R.YPFNEEFDK.Q	1796.931	0.00546	2	1	31.9	0
P12163_1_F8,21264	K.ALEDLNWDHSFVR.E	1905.976	0.00156	3	1	43.5	0
P12163_1_F5,14247	K.ALMNSVNP.K.Y	1581.924	0.00856	2	1	35.7	0
P12163_2_F2,15026	K.ALMNSVNP.K.Y	1581.924	0.00912	2	1	46.2	0
P12163_1_F4,21274	K.AVLLDIGK.E	1436.93	0.00881	2	1	38.2	0
P12163_1_F4,21305	K.AVLLDIGK.E	1436.93	0.0088	3	1	24.9	0
P12163_1_F7,18712	K.AVLLDIGK.E	1436.93	0.00025	3	1	33.2	0
P12163_2_F1,20713	K.AVLLDIGK.E	1436.93	0.01013	2	1	45.4	0
P12163_2_F1,20718	K.AVLLDIGK.E	1436.93	0.00574	3	1	26.2	0
P12163_2_F1,20957	K.AVLLDIGK.E	1436.93	0.00475	3	1	27.4	0
P12163_2_F1,20962	K.AVLLDIGK.E	1436.93	0.00662	2	1	37.8	0
P12163_1_F3,12617	K.EANYVMER.Y	1315.662	0.00332	2	1	30.5	0
P12163_1_F3,23687	K.FMDEYQAIMTK.K	1985.033	0.00359	3	1	34.1	0
P12163_1_F4,19370	K.LLNNMAVDK.V	1625.95	0.00764	3	1	39.4	0
P12163_1_F6,17948	K.SESLSFSTGDEDHSVV	2962.474	0.0116	3	1	46.2	0
P12163_1_F2,17284	K.VDYTNFFR.A	1365.71	0.00062	3	1	26.1	0
P12163_1_F3,22690	K.YAAWAVEVAER.T	1568.837	0.00176	2	1	27.1	0
P12163_1_F3,26537	R.AITLGEILNLK.S	1793.136	0.0054	3	1	38.4	0
P12163_1_F5,14938	R.DMFYDGNPK.E	1694.867	0.00824	2	1	31.9	0
P12163_1_F9,12956	R.EVLHACYTK.V	1728.956	0.0073	3	1	23.7	0
P12163_1_F9,12961	R.EVLHACYTK.V	1728.956	0.0108	2	1	25.7	0
P12163_2_F6,12416	R.EVLHACYTK.V	1728.956	0.00436	3	1	24.6	0
P12163_2_F7,11827	R.EVLHACYTK.V	1728.956	0.01752	2	1	24.5	0

P12163_1_F2,22023	R.FADGLAVLR.S	1265.752	0.00211	2	1	30.7	0
P12163_1_S10,1038	R.HIENMNK.S	1493.835	0.00657	3	1	36.4	0
P12163_1_S1,20549	K.AGINVIQIDEAALR.E	1787.033	0.00451	2	1	47.5	0
P12163_1_S1,20569	K.AGINVIQIDEAALR.E	1787.033	0.00211	3	1	45.3	0
P12163_1_S1,16154	K.DEGFFSANAAAQASR.	1845.903	0.00311	3	1	86.3	0
P12163_1_S1,16190	K.DEGFFSANAAAQASR.	1845.903	0.00274	2	1	56.6	0
P12163_2_F1,24913	K.FALESFWDGK.S	1807.984	0.0044	3	1	28.7	0
P12163_2_S3,11181	K.FSYASHK.A	1447.815	0.00315	3	1	29.3	0
P12163_1_F2,20917	K.GVTAYGFDLVR.G	1501.832	0.00193	2	1	26.2	0
P12163_1_F4,18969	K.ISEEEYVASIK.E	1876.052	0.00698	2	1	41.4	0
P12163_2_F1,18282	K.ISEEEYVASIK.E	1876.052	0.00706	2	1	35.1	0
P12163_2_F2,12006	K.QMSEAGIK.Y	1471.84	-0.00014	2	1	25.3	0
P12163_2_F2,12040	K.QMSEAGIK.Y	1471.84	0.00376	3	1	26.5	0
P12163_2_F1,9928	K.SSAEDLQK.V	1485.837	0.00637	2	1	36.8	0
P12163_1_F5,20887	K.SWLAFAAQK.V	1629.957	0.0053	3	1	33.2	0
P12163_2_F2,21278	K.SWLAFAAQK.V	1629.957	0.00812	3	1	34.7	0
P12163_2_F2,21288	K.SWLAFAAQK.V	1629.957	0.0045	2	1	32.6	0
P12163_1_F4,18122	K.VVEVNALAK.A	1550.973	0.00674	2	1	46.3	0
P12163_1_F4,18123	K.VVEVNALAK.A	1550.973	0.0051	3	1	33.2	0
P12163_2_F1,17394	K.VVEVNALAK.A	1550.973	-0.0044	2	1	41.4	0
P12163_1_F9,20521	K.YLFAGVVDGR.N	1400.784	0.00377	2	1	38	0
P12163_1_S1,20473	K.YLFAGVVDGR.N	1400.784	0.00317	2	1	41.2	0
P12163_1_F4,5993	R.ATNVSAR.L	1022.59	-0.00304	3	1	26.8	0
P12163_1_F8,15796	R.CVKPPIYGDVSRPK.A	2641.563	0.00777	3	1	22.7	0
P12163_2_F1,14641	R.GLEGVVGK.D	1366.851	0.00646	3	1	25.4	0
P12163_1_F4,18880	K.ATVESILK.R	1468.919	0.0026	3	1	29.9	0
P12163_2_F1,18065	K.ATVESILK.R	1468.919	0.00704	3	1	30.1	0
P12163_1_F7,15295	K.DRLPADIEVTESPEPNS	2529.31	0.00466	3	1	31.6	0
P12163_1_F3,21637	K.EFLENQTENITNVIK.Q	2400.323	0.008	3	1	24.7	0
P12163_1_F4,18925	K.EVENSIAELK.Q	1740	0.00065	2	1	38.3	0
P12163_2_F1,18173	K.EVENSIAELK.Q	1740	0.01461	2	1	27.1	0
P12163_1_F5,14409	K.FSEM*EK.N	1394.745	-0.02459	3	1	22.3	0
P12163_1_S10,1537	K.FSEM*EK.N	1394.745	-0.02765	3	1	22.9	0
P12163_2_F7,12836	K.GFHFDTEGDGK.V	1875.933	0.0076	3	1	38.4	0
P12163_1_F4,18893	K.LNEQQLAALSSPK.A	2007.169	0.00282	2	1	65.2	0
P12163_1_F4,21034	K.QNLAVGDIFK.R	1713.016	-0.00032	2	1	32.5	0
P12163_2_F1,20522	K.QNLAVGDIFK.R	1713.016	0.0031	3	1	42.8	0
P12163_1_F3,19647	R.ENLQFSTEDLVK.E	2031.122	0.00148	2	1	53.4	0
P12163_1_F3,23647	R.EQVIDILEGAK.V	1823.073	0.00407	3	1	33.2	0
P12163_1_F3,23672	R.EQVIDILEGAK.V	1823.073	0.00539	2	1	57.9	0
P12163_1_F2,10978	R.GVQAQFTVECR.E	1598.826	-0.00357	3	1	21.9	0
P12163_1_F3,18697	R.LSVEVPEAVCK.D	1839.051	0.00912	2	1	53.6	0
P12163_1_F3,18708	R.LSVEVPEAVCK.D	1839.051	0.00286	3	1	30.8	0
P12163_1_F3,22195	R.QLYGAQLLQMAGMI	2288.271	0.00401	3	1	49.3	0
P12163_1_F5,20994	R.VLNELMK.Q	1454.886	0.00304	3	1	25.6	0
P12163_2_F1,21648	R.VLNELMK.Q	1454.886	0.00541	3	1	23.3	0
P12163_2_F9,11005	K.AIHDQNFTGK.V	1738.97	0.00593	3	1	25.7	0
P12163_1_F9,15787	K.FYVQQVGDQK.V	1820.016	0.00624	3	1	30.9	0
P12163_1_S1,24240	K.GEASPFLAELLR.L	1606.911	0.00445	2	1	60.4	0
P12163_1_S1,24264	K.GEASPFLAELLR.L	1606.911	0.00335	3	1	41.9	0
P12163_1_S1,8038	K.GPAGEESVGATETR.I	1664.839	0.00404	3	1	28.3	0

P12163_1_S1,8445	K.GPAGEESVGATETR.I	1664.839	-0.00247	3	1	40.3	0
P12163_1_S1,9417	K.GPAGEESVGATETR.I	1664.839	0.00251	3	1	45.8	0
P12163_1_F3,24099	K.NVAMLVVSEGWAK.V	2012.146	0.00607	3	1	27.6	0
P12163_1_F4,24949	K.NVAMLVVSEGWAK.V	2012.146	0.00208	3	1	21.9	0
P12163_1_F2,10015	K.VPGAAEASIR.N	1274.737	0.00433	3	1	39.2	0
P12163_1_F2,15828	K.VVVEAAPVAAGAK.G	1790.1	0.00918	3	1	29.5	0
P12163_1_F3,22652	K.VVVTEILGGGK.F	1680.052	0.00593	3	1	36.5	0
P12163_1_F3,22658	K.VVVTEILGGGK.F	1680.052	0.00605	2	1	58.1	0
P12163_1_F8,16807	R.IPDSHLLQAQEK.S	1988.127	0.00411	2	1	28.5	0
P12163_2_F1,17956	R.IVLEGVDK.F	1480.919	0.00509	2	1	27.7	0
P12163_1_F8,14878	R.KVVVEAAPVAAGAK.G	2222.4	0.0123	3	1	36.4	0
P12163_1_F5,15716	R.QAALENLEK.F	1623.953	0.00911	3	1	31.3	0
P12163_1_F5,15725	R.QAALENLEK.F	1623.953	0.00632	2	1	48.8	0
P12163_2_F2,16473	R.QAALENLEK.F	1623.953	0.01104	2	1	35.2	0
P12163_1_F3,27574	R.TNVAVILLEAGLAK.L	2020.263	0.00732	3	1	28	0
P12163_1_S1,16211	R.VDYAVPNIGR.E	1407.79	0.00273	2	1	26.2	0
P12163_1_F6,8010	K.DHSELSVNDSHR.R	1699.83	0.00218	3	1	43	0
P12163_1_F3,26017	K.LLYSFLDGSSTGK.E	2083.153	0.00684	3	1	50.6	0
P12163_2_F1,11820	K.QLIETER.S	1192.684	0.00009	2	1	30	0
P12163_1_F4,21137	K.SVYEAACLK.S	1762.003	0.01232	2	1	39.3	0
P12163_2_F1,20602	K.SVYEAACLK.S	1762.003	0.00492	2	1	54	0
P12163_2_F9,18355	K.SVYEAACLK.S	1762.003	0.00986	3	1	44.9	0
P12163_1_F4,19166	K.TLSLIDSTK.S	1585.962	0.00354	2	1	24	0
P12163_1_F4,21703	K.VVFLNK.S	1426.924	0.00611	2	1	30.2	0
P12163_2_F1,21265	K.VVFLNK.S	1426.924	0.00123	3	1	32.1	0
P12163_2_F1,24084	R.ALFLIAER.V	1236.762	0.00042	2	1	37.6	0
P12163_2_F1,15368	R.EIEEAMQK.D	1585.872	0.00168	3	1	26.6	0
P12163_2_F10,1810	R.HPDGQYICYLPSPILK.I	2509.373	0.00417	3	1	21.9	0
P12163_1_F8,20003	R.IQHDIIGPALLDTQK.L	2270.333	0.00295	4	1	26.2	0
P12163_1_F8,20042	R.IQHDIIGPALLDTQK.L	2270.333	0.00552	3	1	36.8	0
P12163_2_F6,19582	R.IQHDIIGPALLDTQK.L	2270.333	0.00357	3	1	49.4	0
P12163_1_F3,22813	R.LSEIQDELSNVQEK.I	2240.223	-0.00719	3	1	42	0
P12163_1_F2,14800	R.LTEEFVPR.A	1294.731	0.00458	3	1	27.9	0
P12163_1_F3,27016	R.SVLEAIDVIK.K	1808.135	0.0052	3	1	39	0
P12163_1_F3,27030	R.SVLEAIDVIK.K	1808.135	0.00544	2	1	75.3	0
P12163_1_F3,18337	R.VIEDFSASSTSK.M	1879.027	0.00274	3	1	45.9	0
P12163_1_F3,22445	K.AAVAQAALAYQLYQF	2217.285	0.00621	3	1	61.8	0
P12163_1_F3,22455	K.AAVAQAALAYQLYQF	2217.285	0.00223	2	1	95.2	0
P12163_1_F3,22686	K.AAVAQAALAYQLYQF	2217.285	0.00534	3	1	59.2	0
P12163_1_F4,23204	K.AAVAQAALAYQLYQF	2217.285	-0.00035	2	1	64.7	0
P12163_1_F5,21517	K.AAVAQAALAYQLYQF	2217.285	0.00165	3	1	31.9	0
P12163_1_F6,21176	K.AAVAQAALAYQLYQF	2217.285	0.00045	3	1	41.4	0
P12163_1_F6,21538	K.AAVAQAALAYQLYQF	2217.285	0.00939	3	1	32.4	0
P12163_2_F7,19536	K.AAVAQAALAYQLYQF	2217.285	0.00576	3	1	53.7	0
P12163_1_F2,11656	K.AISSSNAYNDQFR.E	1776.882	0.00159	3	1	48.5	0
P12163_1_F2,13649	K.AISSSNAYNDQFR.E	1776.882	-0.00804	3	1	38	0
P12163_1_F2,13753	K.AISSSNAYNDQFR.E	1776.882	0.00035	2	1	51	0
P12163_1_F5,13246	K.AISSSNAYNDQFR.E	1776.882	0.00465	2	1	38.6	0
P12163_1_F8,13882	K.AISSSNAYNDQFR.E	1776.882	0.00321	2	1	34.7	0
P12163_1_F9,11858	K.AISSSNAYNDQFR.E	1776.882	0.00111	3	1	24.3	0
P12163_1_S1,13673	K.AISSSNAYNDQFR.E	1776.882	0.00395	2	1	44.7	0

P12163_2_F1,13518	K.AISSSNAYNDQFR.E	1776.882	0.00129	2	1	42.1	0
P12163_2_S5,13497	K.AISSSNAYNDQFR.E	1776.882	0.00399	2	1	26.1	0
P12163_1_F4,10829	K.DIQDACK.L	1457.788	0.00739	2	1	25.6	0
P12163_1_F4,10859	K.DIQDACK.L	1457.788	0.00809	3	1	37.5	0
P12163_1_F5,9459	K.DIQDACK.L	1457.788	0.01133	2	1	24.9	0
P12163_1_F5,9477	K.DIQDACK.L	1457.788	0.0068	3	1	26.5	0
P12163_1_F6,10484	K.DIQDACK.L	1457.788	0.00806	3	1	25.3	0
P12163_1_F7,9965	K.DIQDACK.L	1457.788	0.00087	2	1	26.3	0
P12163_1_F8,9611	K.DIQDACK.L	1457.788	0.00056	3	1	22.6	0
P12163_2_F1,9974	K.DIQDACK.L	1457.788	0.00599	2	1	25.8	0
P12163_2_F1,9991	K.DIQDACK.L	1457.788	0.0053	3	1	36.7	0
P12163_2_F1,10232	K.DIQDACK.L	1457.788	0.00797	2	1	26.9	0
P12163_2_S5,9379	K.DIQDACK.L	1457.788	0.00017	3	1	22.6	0
P12163_1_F2,15687	K.IGTPEALDLR.G	1388.805	0.00123	3	1	38.6	0
P12163_1_S1,14918	K.IGTPEALDLR.G	1388.805	0.00258	3	1	54	0
P12163_1_S1,14979	K.IGTPEALDLR.G	1388.805	0.00035	2	1	27.9	0
P12163_1_S1,15144	K.IGTPEALDLR.G	1388.805	0.0018	3	1	57	0
P12163_1_S1,15447	K.IGTPEALDLR.G	1388.805	-0.00465	3	1	56.6	0
P12163_1_S1,15821	K.IGTPEALDLR.G	1388.805	0.00222	3	1	53.2	0
P12163_1_S1,17286	K.IGTPEALDLR.G	1388.805	0.00201	3	1	37.2	0
P12163_1_S1,17534	K.IGTPEALDLR.G	1388.805	0.00066	3	1	31.7	0
P12163_1_S10,307	K.IGTPEALDLR.G	1388.805	0.0021	3	1	23.9	0
P12163_2_F4,17117	K.IGTPEALDLR.G	1388.805	0.00429	2	1	25.2	0
P12163_1_F2,16058	K.IPATAPCVPSIK.E	1862.103	0.00959	3	1	31	0
P12163_1_F2,17920	K.IPATAPCVPSIK.E	1862.103	0.00449	3	1	35.1	0
P12163_1_F3,16873	K.IPATAPCVPSIK.E	1862.103	0.00689	3	1	27.2	0
P12163_1_F3,17136	K.IPATAPCVPSIK.E	1862.103	-0.00016	3	1	25.1	0
P12163_1_F3,18520	K.IPATAPCVPSIK.E	1862.103	0.00653	2	1	34.3	0
P12163_1_F3,18525	K.IPATAPCVPSIK.E	1862.103	0.0044	3	1	39.4	0
P12163_1_F3,18991	K.IPATAPCVPSIK.E	1862.103	0.00757	2	1	33.3	0
P12163_1_F5,17836	K.IPATAPCVPSIK.E	1862.103	0.00295	2	1	35.4	0
P12163_1_F6,18102	K.IPATAPCVPSIK.E	1862.103	0.00716	3	1	30.6	0
P12163_2_F4,16916	K.IPATAPCVPSIK.E	1862.103	0.00578	3	1	31.7	0
P12163_1_F3,28033	K.NPAYPDTLYVAPLIGP	4347.191	-0.00101	4	1	30.4	0
P12163_1_F3,28042	K.NPAYPDTLYVAPLIGP	4331.196	0.00143	3	1	58.3	0
P12163_1_F3,20832	K.SFDSLLDTLQEK.A	2004.111	0.00561	2	1	41.3	0
P12163_1_F3,20844	K.SFDSLLDTLQEK.A	2004.111	0.0029	4	1	26.3	0
P12163_1_F3,24459	K.SFDSLLDTLQEK.A	2004.111	0.00588	3	1	42.6	0
P12163_1_F3,24689	K.SFDSLLDTLQEK.A	2004.111	0.00491	2	1	69	0
P12163_1_F3,24851	K.SFDSLLDTLQEK.A	2004.111	0.00384	3	1	39.2	0
P12163_1_F3,24965	K.SFDSLLDTLQEK.A	2004.111	0.00531	2	1	30.5	0
P12163_1_F5,23610	K.SFDSLLDTLQEK.A	2004.111	0.00765	3	1	24.2	0
P12163_1_F6,20024	K.SFDSLLDTLQEK.A	2004.111	0.00258	3	1	35	0
P12163_1_F6,23035	K.SFDSLLDTLQEK.A	2004.111	0.00126	3	1	26.4	0
P12163_1_F7,22479	K.SFDSLLDTLQEK.A	2004.111	0.00264	3	1	32.7	0
P12163_1_F5,10313	R.ELVQSGK.D	1368.831	0.00535	3	1	25.2	0
P12163_1_F4,14992	R.GVTSNPAIFQK.A	1770.037	0.00444	3	1	27.7	0
P12163_1_F4,15012	R.GVTSNPAIFQK.A	1770.037	0.00163	2	1	33.3	0
P12163_1_F4,15287	R.GVTSNPAIFQK.A	1770.037	0.00609	3	1	40.9	0
P12163_1_F4,15291	R.GVTSNPAIFQK.A	1770.037	0.00505	2	1	45.9	0
P12163_1_F4,16819	R.GVTSNPAIFQK.A	1770.037	0.00319	2	1	47.6	0

P12163_1_F4,16851	R.GVTSNPAIFQK.A	1770.037	0.00729	3	1	56.5	0
P12163_1_F4,17180	R.GVTSNPAIFQK.A	1770.037	0.00777	3	1	31.1	0
P12163_1_F4,17190	R.GVTSNPAIFQK.A	1770.037	0.00437	2	1	24.3	0
P12163_1_F4,17440	R.GVTSNPAIFQK.A	1770.037	0.00381	3	1	47.8	0
P12163_1_F4,17445	R.GVTSNPAIFQK.A	1770.037	0.00925	2	1	50.4	0
P12163_1_F4,17776	R.GVTSNPAIFQK.A	1770.037	0.00091	2	1	24.5	0
P12163_1_F5,15597	R.GVTSNPAIFQK.A	1770.037	0.00777	2	1	50.3	0
P12163_1_F6,15639	R.GVTSNPAIFQK.A	1770.037	-0.00036	3	1	35.7	0
P12163_1_F6,15669	R.GVTSNPAIFQK.A	1770.037	-0.01073	2	1	31.4	0
P12163_1_F6,16180	R.GVTSNPAIFQK.A	1770.037	0.01205	2	1	28.6	0
P12163_1_F6,16192	R.GVTSNPAIFQK.A	1770.037	0.00546	3	1	34.9	0
P12163_1_F7,14842	R.GVTSNPAIFQK.A	1770.037	0.00285	3	1	40.6	0
P12163_1_F7,14844	R.GVTSNPAIFQK.A	1770.037	0.00135	2	1	44.4	0
P12163_1_F7,15331	R.GVTSNPAIFQK.A	1770.037	0.00501	3	1	22.5	0
P12163_1_F7,15415	R.GVTSNPAIFQK.A	1770.037	0.00473	2	1	49.6	0
P12163_1_F8,16078	R.GVTSNPAIFQK.A	1770.037	0.00672	3	1	31.1	0
P12163_1_F9,15975	R.GVTSNPAIFQK.A	1770.037	0.00177	2	1	58.9	0
P12163_2_F1,13927	R.GVTSNPAIFQK.A	1770.037	0.00357	3	1	27	0
P12163_2_F1,13948	R.GVTSNPAIFQK.A	1770.037	-0.00251	2	1	42	0
P12163_2_F1,15995	R.GVTSNPAIFQK.A	1770.037	0.00287	2	1	47.9	0
P12163_2_F1,16025	R.GVTSNPAIFQK.A	1770.037	0.00693	3	1	47.5	0
P12163_2_F1,16268	R.GVTSNPAIFQK.A	1770.037	0.00481	2	1	35.6	0
P12163_2_F1,16285	R.GVTSNPAIFQK.A	1770.037	0.00591	3	1	22.1	0
P12163_2_F1,16611	R.GVTSNPAIFQK.A	1770.037	0.01037	2	1	49.1	0
P12163_2_F2,91	R.GVTSNPAIFQK.A	1770.037	0.00615	3	1	32.4	0
P12163_2_F2,311	R.GVTSNPAIFQK.A	1770.037	0.00426	3	1	27.2	0
P12163_2_F2,499	R.GVTSNPAIFQK.A	1770.037	0.00462	3	1	39.3	0
P12163_2_F2,723	R.GVTSNPAIFQK.A	1770.037	0.0057	3	1	22.8	0
P12163_2_F2,947	R.GVTSNPAIFQK.A	1770.037	0.00498	3	1	32.9	0
P12163_2_F2,1404	R.GVTSNPAIFQK.A	1770.037	0.00246	3	1	22	0
P12163_2_F2,1802	R.GVTSNPAIFQK.A	1770.037	0.00543	3	1	27.2	0
P12163_2_F2,2589	R.GVTSNPAIFQK.A	1770.037	0.00411	3	1	28.3	0
P12163_2_F4,14524	R.GVTSNPAIFQK.A	1770.037	0.00069	3	1	44.7	0
P12163_2_F4,14527	R.GVTSNPAIFQK.A	1770.037	0.00081	2	1	47.1	0
P12163_2_F4,15027	R.GVTSNPAIFQK.A	1770.037	0.00279	3	1	31.6	0
P12163_2_F9,14772	R.GVTSNPAIFQK.A	1770.037	0.00603	2	1	29.9	0
P12163_2_S5,14292	R.GVTSNPAIFQK.A	1770.037	0.00411	3	1	37.2	0
P12163_2_S5,14826	R.GVTSNPAIFQK.A	1770.037	0.0042	3	1	34.1	0
P12163_2_S5,14849	R.GVTSNPAIFQK.A	1770.037	0.00461	2	1	43.5	0
P12163_1_F2,10724	R.LADDTQGTVEAAK.W	1927.059	-0.00243	2	1	30.2	0
P12163_1_F2,11166	R.LADDTQGTVEAAK.W	1927.059	0.00108	3	1	31	0
P12163_1_F2,13857	R.LADDTQGTVEAAK.W	1927.059	-0.00005	2	1	64.3	0
P12163_1_F3,11029	R.LADDTQGTVEAAK.W	1927.059	0.00114	3	1	27	0
P12163_1_F3,14155	R.LADDTQGTVEAAK.W	1927.059	0.00771	3	1	58.1	0
P12163_1_F3,14175	R.LADDTQGTVEAAK.W	1927.059	0.00463	2	1	87.1	0
P12163_1_F6,13584	R.LADDTQGTVEAAK.W	1927.059	0.00534	3	1	52.8	0
P12163_2_F2,13623	R.LADDTQGTVEAAK.W	1927.059	0.00594	3	1	41.9	0
P12163_2_F2,13635	R.LADDTQGTVEAAK.W	1927.059	0.00805	2	1	46.5	0
P12163_2_F4,12978	R.LADDTQGTVEAAK.W	1927.059	0.00561	3	1	51.1	0
P12163_1_F4,21870	R.LLWASTSVK.N	1612.988	0.00391	2	1	36.2	0
P12163_1_F4,21871	R.LLWASTSVK.N	1612.988	0.00812	3	1	24.5	0

P12163_1_F4,22076 R.LLWASTSVK.N	1612.988	0.00731	2	1	28.9	0
P12163_1_F5,20807 R.LLWASTSVK.N	1612.988	0.00644	3	1	26.6	0
P12163_2_F1,21412 R.LLWASTSVK.N	1612.988	0.00317	2	1	28.5	0
P12163_2_F1,21420 R.LLWASTSVK.N	1612.988	0.00698	3	1	28.2	0
P12163_2_F1,21624 R.LLWASTSVK.N	1612.988	0.00741	2	1	35.4	0
P12163_2_F2,21390 R.LLWASTSVK.N	1612.988	0.0041	3	1	28.5	0
P12163_2_F2,21450 R.LLWASTSVK.N	1612.988	0.00681	2	1	32.8	0
P12163_2_S5,18877 R.LLWASTSVK.N	1612.988	0.00014	3	1	33.8	0
P12163_1_F4,18392 R.VDTLIDK.M	1411.862	0.00813	2	1	29.6	0
P12163_1_F4,18657 R.VDTLIDK.M	1411.862	0.00499	2	1	30	0
P12163_1_F4,18715 R.VDTLIDK.M	1411.862	0.00546	3	1	27.8	0
P12163_1_F5,17216 R.VDTLIDK.M	1411.862	0.00231	3	1	23.7	0
P12163_1_F6,17660 R.VDTLIDK.M	1411.862	0.0033	3	1	25.7	0
P12163_1_F7,16065 R.VDTLIDK.M	1411.862	0.00209	2	1	28.3	0
P12163_1_F7,16294 R.VDTLIDK.M	1411.862	0.00033	3	1	24.2	0
P12163_1_F7,16786 R.VDTLIDK.M	1411.862	0.00837	2	1	29.7	0
P12163_2_F1,17722 R.VDTLIDK.M	1411.862	0.00853	2	1	29.3	0
P12163_2_F1,17748 R.VDTLIDK.M	1411.862	0.00681	3	1	38.3	0
P12163_2_F1,17986 R.VDTLIDK.M	1411.862	0.00639	2	1	29.3	0
P12163_2_F1,18014 R.VDTLIDK.M	1411.862	0.00393	3	1	29.9	0
P12163_2_F4,15727 R.VDTLIDK.M	1411.862	0.00095	2	1	28.4	0
P12163_2_S5,16194 R.VDTLIDK.M	1411.862	0.00763	2	1	28.3	0
P12163_1_S1,13117 R.VTSVASFFVSR.V	1503.847	0.00066	3	1	36.4	0
P12163_1_S1,17324 R.VTSVASFFVSR.V	1503.847	0.00378	3	1	32.1	0
P12163_1_S1,22461 R.VTSVASFFVSR.V	1503.847	0.00468	3	1	40.7	0
P12163_1_S1,23028 R.VTSVASFFVSR.V	1503.847	0.00078	3	1	68.6	0
P12163_1_S1,23043 R.VTSVASFFVSR.V	1503.847	0.00241	2	1	38.1	0
P12163_1_S1,23252 R.VTSVASFFVSR.V	1503.847	0.00213	3	1	60.1	0
P12163_1_S1,23265 R.VTSVASFFVSR.V	1503.847	0.00409	2	1	34.3	0
P12163_1_F2,20488 K.AGVAALGLGYAGGEV	2227.291	0.00268	3	1	57.6	0
P12163_1_F2,20539 K.AGVAALGLGYAGGEV	2227.291	0.00519	2	1	101	0
P12163_1_F2,20751 K.AGVAALGLGYAGGEV	2227.291	0.00103	3	1	43.2	0
P12163_1_F7,19577 K.AGVAALGLGYAGGEV	2227.291	-0.00179	3	1	51.1	0
P12163_1_S1,19237 K.AGVAALGLGYAGGEV	2227.291	0.00712	3	1	66.5	0
P12163_1_S1,19521 K.AGVAALGLGYAGGEV	2227.291	0.00388	3	1	93.5	0
P12163_1_S10,1894 K.AGVAALGLGYAGGEV	2227.291	0.00607	3	1	88	0
P12163_2_F6,20170 K.AGVAALGLGYAGGEV	2227.291	0.00353	2	1	49.9	0
P12163_2_S3,17197 K.AGVAALGLGYAGGEV	2227.291	0.00556	3	1	23	0
P12163_1_F2,23789 K.GLLTLRPGVLV.-	1441.941	0.00276	2	1	27	0
P12163_1_S10,1075 K.HFVAACNK.I	1554.867	0.01065	3	1	53	0
P12163_1_S10,1077 K.HFVAACNK.I	1554.867	0.01237	4	1	31.8	0
P12163_2_F10,1009 K.HFVAACNK.I	1554.867	0.0095	3	1	51.7	0
P12163_2_F8_12070 K.HFVAACNK.I	1554.867	0.00617	3	1	42.4	0
P12163_1_F2,9004 K.IENSESLCR.Y	1411.715	-0.00363	3	1	32.6	0
P12163_1_F3,9121 K.IENSESLCR.Y	1411.715	0.00069	3	1	30	0
P12163_2_F1,11686 K.IENSESLCR.Y	1411.715	0.0037	2	1	30	0
P12163_1_F3,16736 K.IQSQFTSGASSISQK.A	2177.202	0.00231	3	1	55.4	0
P12163_1_F4,14906 K.IQSQFTSGASSISQK.A	2177.202	0.01049	2	1	34.9	0
P12163_1_F4,15085 K.IQSQFTSGASSISQK.A	2177.202	0.00882	3	1	34.1	0
P12163_1_F4,17198 K.IQSQFTSGASSISQK.A	2177.202	0.00893	2	1	72.4	0
P12163_1_F4,17441 K.IQSQFTSGASSISQK.A	2177.202	0.00714	3	1	36.5	0

P12163_1_F4,17459	K.IQSQFTSGASSISQK.A	2177.202	-0.00283	2	1	26.4	0
P12163_1_F6,16060	K.IQSQFTSGASSISQK.A	2177.202	-0.0087	3	1	52.5	0
P12163_1_F9,16215	K.IQSQFTSGASSISQK.A	2177.202	0.01998	3	1	44.4	0
P12163_2_F1,16459	K.IQSQFTSGASSISQK.A	2177.202	0.00281	2	1	67.3	0
P12163_2_F1,16619	K.IQSQFTSGASSISQK.A	2177.202	0.00582	3	1	38.1	0
P12163_2_F2,416	K.IQSQFTSGASSISQK.A	2177.202	0.00183	3	1	29.4	0
P12163_2_F9,15312	K.IQSQFTSGASSISQK.A	2177.202	0.00909	3	1	50.4	0
P12163_1_F8,18881	K.LKEENGLSYTPDQILV	3188.793	0.0222	3	1	42.1	0
P12163_1_F4,14911	K.SFGELEGVK.M	1573.905	0.00561	3	1	22.6	0
P12163_1_F4,17994	K.SFGELEGVK.M	1573.905	0.00721	2	1	50.1	0
P12163_1_F5,13587	K.SFGELEGVK.M	1573.905	0.00633	3	1	22	0
P12163_1_F5,16746	K.SFGELEGVK.M	1573.905	0.00717	2	1	50.1	0
P12163_1_F5,16789	K.SFGELEGVK.M	1573.905	0.00687	3	1	58.9	0
P12163_1_F6,17236	K.SFGELEGVK.M	1573.905	0.00552	3	1	46.9	0
P12163_1_F6,17254	K.SFGELEGVK.M	1573.905	0.00401	2	1	41.9	0
P12163_1_F7,15878	K.SFGELEGVK.M	1573.905	-0.00157	2	1	33.2	0
P12163_1_F7,16398	K.SFGELEGVK.M	1573.905	0.00495	3	1	22.4	0
P12163_1_F8,16658	K.SFGELEGVK.M	1573.905	0.00114	3	1	34.1	0
P12163_2_F1,17178	K.SFGELEGVK.M	1573.905	0.00552	3	1	58.5	0
P12163_2_F1,17212	K.SFGELEGVK.M	1573.905	0.00801	2	1	49.9	0
P12163_2_S5,15554	K.SFGELEGVK.M	1573.905	0.00198	3	1	32.6	0
P12163_1_F4,22465	R.ISENFLLDPK.V	1784.041	0.00772	2	1	45.3	0
P12163_1_F4,22482	R.ISENFLLDPK.V	1784.041	0.00742	3	1	42.7	0
P12163_1_F4,22720	R.ISENFLLDPK.V	1784.041	0.00628	2	1	47.5	0
P12163_1_F4,22977	R.ISENFLLDPK.V	1784.041	0.00094	2	1	32.7	0
P12163_1_F5,21047	R.ISENFLLDPK.V	1784.041	0.01204	2	1	36.5	0
P12163_1_F5,21088	R.ISENFLLDPK.V	1784.041	0.00799	3	1	29.1	0
P12163_1_F6,20487	R.ISENFLLDPK.V	1784.041	-0.00452	2	1	29.9	0
P12163_1_F6,20531	R.ISENFLLDPK.V	1784.041	0.00382	3	1	32.4	0
P12163_1_F6,20925	R.ISENFLLDPK.V	1784.041	0.01266	2	1	37	0
P12163_1_F6,20982	R.ISENFLLDPK.V	1784.041	0.00568	3	1	25.9	0
P12163_1_F7,19724	R.ISENFLLDPK.V	1784.041	0.00727	3	1	23.9	0
P12163_1_F7,20141	R.ISENFLLDPK.V	1784.041	0.00384	2	1	25.2	0
P12163_1_S10,1952	R.ISENFLLDPK.V	1784.041	0.00898	3	1	25.6	0
P12163_2_F1,22028	R.ISENFLLDPK.V	1784.041	0.00586	2	1	45	0
P12163_2_F4,19237	R.ISENFLLDPK.V	1784.041	0.00186	2	1	24.9	0
P12163_2_F4,19260	R.ISENFLLDPK.V	1784.041	0.00403	3	1	26.3	0
P12163_2_F9,19153	R.ISENFLLDPK.V	1784.041	0.00988	2	1	32.7	0
P12163_2_S5,19392	R.ISENFLLDPK.V	1784.041	0.00868	3	1	26.8	0
P12163_1_F4,18041	R.LGYIAGPK.H	1426.888	0.00578	2	1	27.3	0
P12163_1_F9,16977	R.LGYIAGPK.H	1426.888	0.00806	2	1	24	0
P12163_1_F9,17021	R.LGYIAGPK.H	1426.888	0.00523	3	1	30	0
P12163_1_S10,1643	R.LGYIAGPK.H	1426.888	0.01156	3	1	27.4	0
P12163_2_F1,17199	R.LGYIAGPK.H	1426.888	0.00847	3	1	27.2	0
P12163_2_F8_1207	R.LGYIAGPK.H	1426.888	0.00442	3	1	28.4	0
P12163_2_F9,15682	R.LGYIAGPK.H	1426.888	0.00559	3	1	28.4	0
P12163_1_F2,20902	R.LLILCSPSNPTGSVYPK	2454.389	-0.00185	3	1	36.3	0
P12163_1_F2,22715	R.LLILCSPSNPTGSVYPK	2454.389	0.00349	3	1	28	0
P12163_1_F5,22471	R.LLILCSPSNPTGSVYPK	2454.389	-0.00119	3	1	41.1	0
P12163_1_S1,19617	R.LLILCSPSNPTGSVYPK	2454.389	0.00328	3	1	34.1	0
P12163_1_S1,19875	R.LLILCSPSNPTGSVYPK	2454.389	0.00586	3	1	53.5	0

P12163_1_S1,21462	R.LLILCSPSNPTGSVYPK	2454.389	0.01162	3	1	54.7	0
P12163_1_S1,21485	R.LLILCSPSNPTGSVYPK	2454.389	0.00196	4	1	54.5	0
P12163_1_S1,21506	R.LLILCSPSNPTGSVYPK	2454.389	0.0057	2	1	43.3	0
P12163_1_S1,21656	R.LLILCSPSNPTGSVYPK	2454.389	0.00808	3	1	56	0
P12163_2_F6,20470	R.LLILCSPSNPTGSVYPK	2454.389	0.01162	3	1	30.2	0
P12163_1_F9,7957	R.SAICHK.L	1323.766	0.00625	3	1	24.7	0
P12163_1_F9,7959	R.SAICHK.L	1323.766	0.00815	2	1	26.2	0
P12163_2_F4,7496	R.SAICHK.L	1323.766	0.00157	3	1	28.9	0
P12163_1_F4,17250	R.TLTVNGFSK.A	1574.936	0.00376	2	1	27	0
P12163_2_F1,16389	R.TLTVNGFSK.A	1574.936	0.0025	2	1	28.1	0
P12163_1_F2,11894	R.YTPNAGTLELR.S	1538.848	0.00134	3	1	22.8	0
P12163_1_F2,13367	R.YTPNAGTLELR.S	1538.848	0.00272	3	1	45.3	0
P12163_1_F2,14822	R.YTPNAGTLELR.S	1538.848	0.00215	3	1	57.9	0
P12163_1_F2,16350	R.YTPNAGTLELR.S	1538.848	0.00329	2	1	29	0
P12163_1_F2,16395	R.YTPNAGTLELR.S	1538.848	0.00161	3	1	32.6	0
P12163_1_S1,12988	R.YTPNAGTLELR.S	1538.848	0.00077	3	1	47.6	0
P12163_1_S1,14470	R.YTPNAGTLELR.S	1538.848	0.00011	3	1	30.2	0
P12163_1_S1,15785	R.YTPNAGTLELR.S	1538.848	0.00149	3	1	50.1	0
P12163_2_F7,12382	R.YTPNAGTLELR.S	1538.848	0.00065	3	1	33.8	0
P12163_2_F2,21598	K.FFVGGNWK.C	1562.894	0.00488	3	1	22.2	0
P12163_1_F3,18622	K.GGAFTGEISVEQLK.D	2044.153	0.00359	2	1	33.1	0
P12163_1_F4,20625	K.GGAFTGEISVEQLK.D	2044.153	0.00429	2	1	87.8	0
P12163_1_F6,19050	K.GGAFTGEISVEQLK.D	2044.153	0.00163	2	1	50.3	0
P12163_1_F6,19058	K.GGAFTGEISVEQLK.D	2044.153	0.00229	3	1	51.3	0
P12163_1_F2,15217	K.GPEFATIVNSVTSK.K	2058.169	0.00119	3	1	22.8	0
P12163_1_F2,21935	K.GPEFATIVNSVTSK.K	2058.169	0.00269	3	1	42.7	0
P12163_1_F3,21989	K.GPEFATIVNSVTSK.K	2058.169	0.00755	3	1	45.4	0
P12163_1_F3,22192	K.GPEFATIVNSVTSK.K	2058.169	0.00653	3	1	38.5	0
P12163_1_F3,22609	K.GPEFATIVNSVTSK.K	2058.169	0.00607	2	1	73.2	0
P12163_1_F3,22744	K.GPEFATIVNSVTSK.K	2058.169	0.0074	3	1	63	0
P12163_1_F5,21516	K.GPEFATIVNSVTSK.K	2058.169	0.00116	3	1	42.8	0
P12163_1_F6,21270	K.GPEFATIVNSVTSK.K	2058.169	0.00143	3	1	36.4	0
P12163_1_F6,21652	K.GPEFATIVNSVTSK.K	2058.169	0.00836	3	1	41.7	0
P12163_1_F7,20909	K.GPEFATIVNSVTSK.K	2058.169	0.00827	3	1	37.4	0
P12163_1_F4,17797	K.LVSDLNDAK.L	1582.926	0.00468	3	1	53.4	0
P12163_1_F4,17868	K.LVSDLNDAK.L	1582.926	0.00712	2	1	48	0
P12163_1_F5,16496	K.LVSDLNDAK.L	1582.926	0.00516	2	1	45.9	0
P12163_2_F1,16845	K.LVSDLNDAK.L	1582.926	0.0049	2	1	47.9	0
P12163_2_F1,16964	K.LVSDLNDAK.L	1582.926	0.00459	3	1	31.5	0
P12163_2_F2,179	K.LVSDLNDAK.L	1582.926	0.01149	3	1	21.9	0
P12163_2_F2,602	K.LVSDLNDAK.L	1582.926	0.00402	3	1	26.5	0
P12163_2_F2,809	K.LVSDLNDAK.L	1582.926	0.0086	2	1	29	0
P12163_2_F2,1017	K.LVSDLNDAK.L	1582.926	0.00357	3	1	23.9	0
P12163_2_F4,15203	K.LVSDLNDAK.L	1582.926	-0.00084	3	1	32.1	0
P12163_2_S3,14169	K.LVSDLNDAK.L	1582.926	0.00264	3	1	36.6	0
P12163_1_F4,10359	K.NSVSADVATK.T	1599.916	0.00366	3	1	36.6	0
P12163_1_F5,10335	K.NSVSADVATK.T	1599.916	0.00626	2	1	41.9	0
P12163_2_F1,10820	K.NSVSADVATK.T	1599.916	0.00579	3	1	48.6	0
P12163_2_F1,10912	K.NSVSADVATK.T	1599.916	0.0052	2	1	41.3	0
P12163_1_F2,21977	K.QEDIDGFLVGGASLK.(	2157.201	0.00646	3	1	61.8	0
P12163_1_F5,21440	K.QEDIDGFLVGGASLK.(	2157.201	0.00961	3	1	30.9	0

P12163_1_F6,21377	K.QEDIDGFLVGGASLK.	2157.201	-0.00044	3	1	23.7	0
P12163_1_S1,19108	K.QEDIDGFLVGGASLK.	2157.201	0.00517	3	1	49.9	0
P12163_1_S1,20961	K.QEDIDGFLVGGASLK.	2157.201	0.00304	2	1	58.3	0
P12163_1_S1,20993	K.QEDIDGFLVGGASLK.	2157.201	0.00706	3	1	51.3	0
P12163_1_S10,2015	K.QEDIDGFLVGGASLK.	2157.201	0.00646	3	1	38.2	0
P12163_1_F4,21483	K.TFDVCFQQLK.A	1894.035	0.01013	2	1	30.5	0
P12163_1_F4,21500	K.TFDVCFQQLK.A	1894.035	0.00771	3	1	40.4	0
P12163_1_F4,23024	K.TFDVCFQQLK.A	1894.035	0.01103	2	1	33.2	0
P12163_1_F5,20313	K.TFDVCFQQLK.A	1894.035	0.01383	3	1	22	0
P12163_1_F7,19055	K.TFDVCFQQLK.A	1894.035	0.00435	3	1	27.9	0
P12163_2_F1,20991	K.TFDVCFQQLK.A	1894.035	0.00459	3	1	29.6	0
P12163_2_F4,18624	K.TFDVCFQQLK.A	1894.035	0.00359	2	1	23.9	0
P12163_1_F7,10880	K.VATPEQAQEVHAAALR	1924.055	0.00076	3	1	43.3	0
P12163_1_F7,10904	K.VATPEQAQEVHAAALR	1924.055	-0.00005	4	1	41.5	0
P12163_1_F7,10920	K.VATPEQAQEVHAAALR	1924.055	0.00467	4	1	51.5	0
P12163_1_F7,11093	K.VATPEQAQEVHAAALR	1924.055	0.00133	3	1	47.1	0
P12163_1_F7,13487	K.VATPEQAQEVHAAALR	1924.055	0.0025	3	1	51.1	0
P12163_1_F7,13506	K.VATPEQAQEVHAAALR	1924.055	0.001	2	1	47	0
P12163_1_F8,2	K.VATPEQAQEVHAAALR	1924.055	0.00247	3	1	68	0
P12163_1_F8,199	K.VATPEQAQEVHAAALR	1924.055	0.00445	3	1	52	0
P12163_1_F8,385	K.VATPEQAQEVHAAALR	1924.055	0.00244	3	1	80.3	0
P12163_1_F8,558	K.VATPEQAQEVHAAALR	1924.055	0.00208	3	1	56.1	0
P12163_1_F8,737	K.VATPEQAQEVHAAALR	1924.055	0.00277	3	1	62.2	0
P12163_1_F8,888	K.VATPEQAQEVHAAALR	1924.055	0.0061	3	1	32	0
P12163_1_F8,11399	K.VATPEQAQEVHAAALR	1924.055	0.00046	3	1	26.8	0
P12163_1_F8,14097	K.VATPEQAQEVHAAALR	1924.055	0.00178	3	1	31	0
P12163_1_F9,13727	K.VATPEQAQEVHAAALR	1924.055	0.00304	3	1	53.1	0
P12163_2_S5,10775	K.VATPEQAQEVHAAALR	1924.055	-0.00301	4	1	40.4	0
P12163_2_S5,11001	K.VATPEQAQEVHAAALR	1924.055	0.00383	4	1	33.7	0
P12163_2_S5,13268	K.VATPEQAQEVHAAALR	1924.055	-0.00104	3	1	97.5	0
P12163_2_S5,13386	K.VATPEQAQEVHAAALR	1924.055	0.00271	4	1	44.9	0
P12163_2_S5,13446	K.VATPEQAQEVHAAALR	1924.055	0.00178	2	1	37.2	0
P12163_2_S5,13475	K.VATPEQAQEVHAAALR	1924.055	0.00388	3	1	94.9	0
P12163_1_F9,16491	K.WVVLGHSER.R	1386.78	0.00307	3	1	31	0
P12163_2_F7,14826	K.WVVLGHSER.R	1386.78	-0.00359	3	1	30.8	0
P12163_2_F9,15620	K.WVVLGHSER.R	1386.78	0.00376	3	1	29.9	0
P12163_2_F9,15691	K.WVVLGHSER.R	1386.78	0.00202	2	1	30.9	0
P12163_2_F9,15835	K.WVVLGHSER.R	1386.78	0.00457	3	1	37.2	0
P12163_1_F8,15330	R.HVIGEDDQFIGK.K	1966.085	0.0025	3	1	28.6	0
P12163_1_S10,1468	R.HVIGEDDQFIGK.K	1966.085	0.00129	4	1	39.1	0
P12163_2_F10,1370	R.HVIGEDDQFIGK.K	1966.085	-0.00039	4	1	26.7	0
P12163_2_F10,1371	R.HVIGEDDQFIGK.K	1966.085	0.00352	3	1	43.4	0
P12163_2_F6,14723	R.HVIGEDDQFIGK.K	1966.085	0.00173	4	1	28.8	0
P12163_2_F6,14871	R.HVIGEDDQFIGK.K	1966.085	0.00475	3	1	52.3	0
P12163_2_F6,14873	R.HVIGEDDQFIGK.K	1966.085	0.00062	2	1	55.8	0
P12163_2_F6,21351	R.HVIGEDDQFIGK.K	1966.085	0.01189	3	1	29.4	0
P12163_2_F7,13774	R.HVIGEDDQFIGK.K	1966.085	-0.00278	2	1	31.7	0
P12163_1_F3,20194	R.IEIAAQNSWVGK.G	1924.111	0.00703	2	1	65.5	0
P12163_1_F4,20646	R.IEIAAQNSWVGK.G	1924.111	0.00635	3	1	52.5	0
P12163_1_F4,20660	R.IEIAAQNSWVGK.G	1924.111	0.00421	2	1	63	0
P12163_2_F1,20077	R.IEIAAQNSWVGK.G	1924.111	0.00453	3	1	49.1	0

P12163_2_F1,20093	R.IEIAAQNSWVGK.G	1924.111	0.00029	2	1	53.3	0
P12163_2_F4,17764	R.IEIAAQNSWVGK.G	1924.111	0.00318	3	1	46.9	0
P12163_1_F3,15409	R.IYGGSVNGSNCAELA	2361.269	0.00217	3	1	44.2	0
P12163_1_F3,16135	R.IYGGSVNGSNCAELA	2361.269	-0.00131	3	1	24	0
P12163_1_F3,17635	R.IYGGSVNGSNCAELA	2361.269	-0.00479	3	1	63.6	0
P12163_1_F3,17697	R.IYGGSVNGSNCAELA	2361.269	0.00556	2	1	98.1	0
P12163_1_F6,13922	R.RHVIGEDDQFIGK.K	2122.186	0.0079	3	1	35.2	0
P12163_2_F7,12399	R.RHVIGEDDQFIGK.K	2122.186	0.00439	3	1	34.1	0
P12163_2_S5,13119	R.RHVIGEDDQFIGK.K	2122.186	0.00481	3	1	37.7	0
P12163_1_F8,18865	K.DAISLADRDEFIVR.G	1924.044	0.00105	2	1	56.8	0
P12163_1_F8,18879	K.DAISLADRDEFIVR.G	1924.044	-0.00219	3	1	31.9	0
P12163_1_F9,18546	K.DAISLADRDEFIVR.G	1924.044	0.00198	3	1	29.6	0
P12163_1_F9,18550	K.DAISLADRDEFIVR.G	1924.044	-0.00003	2	1	29.6	0
P12163_2_S5,17470	K.DAISLADRDEFIVR.G	1924.044	0.00288	3	1	29.3	0
P12163_2_S5,17504	K.DAISLADRDEFIVR.G	1924.044	0.00405	2	1	66.5	0
P12163_1_F3,17432	K.EGLPAFPM*GK.I	1670.94	0.00417	3	1	23.5	0
P12163_1_F3,17461	K.EGLPAFPM*GK.I	1670.94	0.00561	2	1	25.9	0
P12163_1_F4,20492	K.EGLPAFPM*GK.I	1670.94	0.01025	2	1	25.8	0
P12163_2_F4,17674	K.EGLPAFPM*GK.I	1670.94	0.00183	3	1	22.5	0
P12163_1_F3,19899	K.EGLPAFPMGK.I	1654.945	0.01238	2	1	33.7	0
P12163_1_F5,19190	K.EGLPAFPMGK.I	1654.945	0.00328	2	1	29.1	0
P12163_1_F5,19199	K.EGLPAFPMGK.I	1654.945	0.00228	3	1	26.1	0
P12163_1_F6,18869	K.EGLPAFPMGK.I	1654.945	0.00159	3	1	23.7	0
P12163_2_F1,19891	K.EGLPAFPMGK.I	1654.945	0.0138	3	1	22	0
P12163_2_F1,20134	K.EGLPAFPMGK.I	1654.945	0.00578	2	1	31.7	0
P12163_2_F4,17632	K.EGLPAFPMGK.I	1654.945	0.00474	3	1	23.4	0
P12163_1_F6,13779	K.EINGAGINSSFAVHQD	2390.2	0.00363	3	1	53.2	0
P12163_1_F6,14593	K.EINGAGINSSFAVHQD	2390.2	0.00726	3	1	65.8	0
P12163_1_F6,15944	K.EINGAGINSSFAVHQD	2390.2	0.01194	3	1	83.4	0
P12163_1_F7,13845	K.EINGAGINSSFAVHQD	2390.2	0.00246	3	1	50.9	0
P12163_1_F7,15188	K.EINGAGINSSFAVHQD	2390.2	0.00495	3	1	94.9	0
P12163_1_F7,15219	K.EINGAGINSSFAVHQD	2390.2	-0.01319	2	1	32	0
P12163_1_F7,15414	K.EINGAGINSSFAVHQD	2390.2	0.00783	3	1	50.5	0
P12163_1_F8,14498	K.EINGAGINSSFAVHQD	2390.2	0.00594	3	1	32.3	0
P12163_1_F8,15883	K.EINGAGINSSFAVHQD	2390.2	0.00495	3	1	80.6	0
P12163_1_F8,15931	K.EINGAGINSSFAVHQD	2390.2	-0.00041	2	1	42	0
P12163_1_F9,15766	K.EINGAGINSSFAVHQD	2390.2	0.00531	3	1	28.5	0
P12163_2_F10,13511	K.EINGAGINSSFAVHQD	2390.2	0.00533	4	1	61.7	0
P12163_2_F10,13531	K.EINGAGINSSFAVHQD	2390.2	0.0072	3	1	64	0
P12163_2_F10,14481	K.EINGAGINSSFAVHQD	2390.2	0.00204	3	1	83.2	0
P12163_2_F10,14671	K.EINGAGINSSFAVHQD	2390.2	0.0093	3	1	91.6	0
P12163_2_F4,13512	K.EINGAGINSSFAVHQD	2390.2	0.00348	3	1	74.8	0
P12163_2_F4,14828	K.EINGAGINSSFAVHQD	2390.2	0.0057	3	1	66.3	0
P12163_2_S5,13704	K.EINGAGINSSFAVHQD	2390.2	-0.01495	4	1	52.4	0
P12163_2_S5,13705	K.EINGAGINSSFAVHQD	2390.2	-0.00984	3	1	31.9	0
P12163_2_S5,14902	K.EINGAGINSSFAVHQD	2390.2	0.00441	3	1	54.5	0
P12163_2_S5,14919	K.EINGAGINSSFAVHQD	2390.2	0.00253	4	1	67.3	0
P12163_1_F4,18243	K.NISVIAVCPK.G	1709.024	0.00642	3	1	40	0
P12163_1_F4,18248	K.NISVIAVCPK.G	1709.024	0.01007	2	1	47.6	0
P12163_1_F4,18480	K.NISVIAVCPK.G	1709.024	0.00579	3	1	36.1	0
P12163_1_F4,18525	K.NISVIAVCPK.G	1709.024	0.00613	2	1	51.6	0

P12163_1_F5,17003 K.NISVIAVCPK.G	1709.024	0.00354	3	1	26.8	0
P12163_1_F5,17014 K.NISVIAVCPK.G	1709.024	0.00395	2	1	39	0
P12163_1_F7,16051 K.NISVIAVCPK.G	1709.024	0.00564	3	1	31.3	0
P12163_1_F7,16606 K.NISVIAVCPK.G	1709.024	0.00666	3	1	35.2	0
P12163_2_F1,17648 K.NISVIAVCPK.G	1709.024	0.00643	2	1	50.8	0
P12163_2_F1,17681 K.NISVIAVCPK.G	1709.024	0.00666	3	1	45.5	0
P12163_2_F4,15757 K.NISVIAVCPK.G	1709.024	0.00245	2	1	30.1	0
P12163_2_F4,15794 K.NISVIAVCPK.G	1709.024	-0.00252	3	1	25.6	0
P12163_2_F4,16302 K.NISVIAVCPK.G	1709.024	0.00715	2	1	46.9	0
P12163_1_F3,16441 K.NTVECITGIISK.I	1943.109	0.00565	4	1	25.6	0
P12163_1_F3,16474 K.NTVECITGIISK.I	1943.109	0.00208	2	1	45.9	0
P12163_1_F3,20236 K.NTVECITGIISK.I	1943.109	0.00353	3	1	56	0
P12163_1_F3,20621 K.NTVECITGIISK.I	1943.109	0.00654	2	1	61	0
P12163_1_F4,21226 K.NTVECITGIISK.I	1943.109	0.00638	3	1	48.3	0
P12163_1_F4,21236 K.NTVECITGIISK.I	1943.109	0.00642	2	1	62.4	0
P12163_1_F5,20042 K.NTVECITGIISK.I	1943.109	0.0013	2	1	46.1	0
P12163_1_F5,20080 K.NTVECITGIISK.I	1943.109	0.00491	3	1	32.9	0
P12163_1_F6,20037 K.NTVECITGIISK.I	1943.109	0.00548	3	1	44	0
P12163_1_F6,20041 K.NTVECITGIISK.I	1943.109	-0.00224	2	1	55.9	0
P12163_1_F6,21127 K.NTVECITGIISK.I	1943.109	0.00029	3	1	28.7	0
P12163_1_F8,20158 K.NTVECITGIISK.I	1943.109	0.00038	3	1	29.3	0
P12163_2_F1,20743 K.NTVECITGIISK.I	1943.109	0.00995	3	1	47	0
P12163_2_F1,20797 K.NTVECITGIISK.I	1943.109	0.00392	2	1	77.9	0
P12163_2_F4,18486 K.NTVECITGIISK.I	1943.109	-0.00592	3	1	34	0
P12163_2_F4,18759 K.NTVECITGIISK.I	1943.109	0.00179	3	1	44.2	0
P12163_2_S3,16728 K.NTVECITGIISK.I	1943.109	0.00422	3	1	43.2	0
P12163_1_F5,12128 K.SDIVVK.V	1268.803	0.01028	2	1	30.9	0
P12163_2_F1,12611 K.SDIVVK.V	1268.803	0.00674	2	1	31.1	0
P12163_2_F1,14716 R.DEFIVR.G	1082.615	0.00406	2	1	23.9	0
P12163_1_F6,11251 R.DSLAEAK.S	1341.783	0.00421	3	1	22.4	0
P12163_1_F8,10459 R.DSLAEAK.S	1341.783	0.00133	3	1	23.9	0
P12163_2_F1,10713 R.DSLAEAK.S	1341.783	0.00263	3	1	24.8	0
P12163_2_S5,10025 R.DSLAEAK.S	1341.783	0.0074	3	1	24.7	0
P12163_1_F3,16084 R.FTENGMS*SEDLAYK.N	2129.068	0.00503	2	1	49.3	0
P12163_1_F3,18439 R.FTENGMS*SEDLAYK.N	2113.073	0.00539	2	1	58.4	0
P12163_1_S1,12194 R.GVSFM*VDNCSTTAR..	1864.883	0.001	3	1	52.9	0
P12163_1_S1,13455 R.GVSFM*VDNCSTTAR..	1864.883	0.00542	2	1	51.2	0
P12163_1_S1,13477 R.GVSFM*VDNCSTTAR..	1864.883	0.01069	3	1	74.4	0
P12163_1_S1,13707 R.GVSFM*VDNCSTTAR..	1864.883	0.00224	2	1	31.4	0
P12163_1_S1,13727 R.GVSFM*VDNCSTTAR..	1864.883	0.00196	3	1	55.6	0
P12163_1_S1,14343 R.GVSFM*VDNCSTTAR.L	1848.889	0.00151	3	1	64.8	0
P12163_1_S1,15977 R.GVSFM*VDNCSTTAR.L	1848.889	0.0001	2	1	53.9	0
P12163_1_S1,15993 R.GVSFM*VDNCSTTAR.L	1848.889	0.00358	3	1	64.1	0
P12163_2_F6,16158 R.GVSFM*VDNCSTTAR.L	1848.889	0.00754	2	1	60	0
P12163_1_F9,15455 R.RFTENGMS*SEDLAYK.N	2269.174	0.01302	3	1	44.8	0
P12163_2_F9,14981 R.RFTENGMS*SEDLAYK.N	2269.174	0.00747	3	1	37.9	0
P12163_1_F3,12385 R.SDIFGER.G ! R.SDIFGE	1127.6	0.00279	3	1	22.2	0
P12163_1_F3,15292 R.SDIFGER.G ! R.SDIFGE	1127.6	0.0025	2	1	27.9	0
P12163_1_F3,8658 R.SVVLAGR.R	1005.636	0.00243	3	1	35	0
P12163_2_F1,8147 R.SVVLAGR.R	1005.636	0.00498	3	1	43.5	0
P12163_1_F4,15344 K.DLTVVAK.E	1353.856	0.00786	3	1	30.2	0

P12163_1_F4,15415	K.DLTVVAK.E	1353.856	0.00787	2	1	31.7	0
P12163_1_F4,17183	K.DLTVVAK.E	1353.856	0.00661	2	1	27.2	0
P12163_1_F5,14120	K.DLTVVAK.E	1353.856	0.00315	3	1	29.2	0
P12163_1_F5,14122	K.DLTVVAK.E	1353.856	0.00641	2	1	28.2	0
P12163_1_F6,14906	K.DLTVVAK.E	1353.856	0.00669	2	1	27.5	0
P12163_1_F7,13551	K.DLTVVAK.E	1353.856	0.00018	3	1	32.2	0
P12163_2_F1,14292	K.DLTVVAK.E	1353.856	0.00495	3	1	29.3	0
P12163_2_F2,1950	K.DLTVVAK.E	1353.856	0.00545	2	1	29.1	0
P12163_2_F2,2105	K.DLTVVAK.E	1353.856	0.00687	3	1	23	0
P12163_2_F2,2147	K.DLTVVAK.E	1353.856	0.00359	2	1	24	0
P12163_2_F2,2299	K.DLTVVAK.E	1353.856	0.006	3	1	29.7	0
P12163_2_F4,13229	K.DLTVVAK.E	1353.856	0.00006	3	1	27.1	0
P12163_2_F4,13257	K.DLTVVAK.E	1353.856	0.00171	2	1	28.7	0
P12163_2_F1,9996	K.ELSEDGK.K	1385.773	0.00385	3	1	26.1	0
P12163_1_F5,11623	K.ESEEAWK.Q	1486.8	0.00698	2	1	24.9	0
P12163_1_F5,11648	K.ESEEAWK.Q	1486.8	0.00947	3	1	24.7	0
P12163_2_F2,12298	K.ESEEAWK.Q	1486.8	0.00572	2	1	26.4	0
P12163_2_F2,12331	K.ESEEAWK.Q	1486.8	0.01172	3	1	33.3	0
P12163_2_F2,12514	K.ESEEAWK.Q	1486.8	0.00734	2	1	25.1	0
P12163_1_F4,11489	K.ETAEQLK.I	1426.836	0.00235	2	1	25.5	0
P12163_1_F5,10139	K.ETAEQLK.I	1426.836	0.00781	2	1	29.1	0
P12163_1_F8,10295	K.ETAEQLK.I	1426.836	0.00393	2	1	25.6	0
P12163_1_F8,10321	K.ETAEQLK.I	1426.836	0.0053	3	1	24.6	0
P12163_2_F1,10682	K.ETAEQLK.I	1426.836	0.00621	2	1	26.3	0
P12163_1_S1,24387	K.GQAAIATIIFLR.E	1577.968	0.00335	3	1	62.2	0
P12163_1_F3,16364	K.M*QSVSQEAYEYISK.I	2287.174	0.0101	3	1	42.4	0
P12163_1_F3,17474	K.M*QSVSQEAYEYISK.I	2287.174	0.01244	3	1	36.8	0
P12163_1_F3,17504	K.M*QSVSQEAYEYISK.I	2287.174	0.0012	2	1	57.6	0
P12163_1_F9,16852	K.M*QSVSQEAYEYISK.I	2287.174	0.00326	3	1	29.7	0
P12163_2_F7,17960	K.M*QSVSQEAYEYISK.I	2287.174	0.00212	3	1	43.1	0
P12163_1_F3,14334	K.MQSVSQEAYEYISK.R	2271.179	0.00161	3	1	22.1	0
P12163_1_F3,15618	K.MQSVSQEAYEYISK.R	2271.179	0.0068	3	1	30.6	0
P12163_1_F3,19905	K.MQSVSQEAYEYISK.R	2271.179	0.00695	3	1	55	0
P12163_1_F3,20682	K.MQSVSQEAYEYISK.R	2271.179	0.00932	3	1	51.1	0
P12163_1_F3,20706	K.MQSVSQEAYEYISK.R	2271.179	0.0053	2	1	84.5	0
P12163_1_F4,21388	K.MQSVSQEAYEYISK.R	2271.179	0.00647	3	1	42.9	0
P12163_1_F4,21438	K.MQSVSQEAYEYISK.R	2271.179	0.00646	2	1	61.3	0
P12163_1_F6,19559	K.MQSVSQEAYEYISK.R	2271.179	0.00308	3	1	40.5	0
P12163_1_F6,19808	K.MQSVSQEAYEYISK.R	2271.179	0.0014	3	1	41.4	0
P12163_2_F7,17972	K.MQSVSQEAYEYISK.R	2271.179	0.00098	3	1	54.2	0
P12163_2_F9,19099	K.MQSVSQEAYEYISK.R	2271.179	0.00557	3	1	49.4	0
P12163_1_F4,11195	K.QLLAAFR.E	1110.657	0.00505	3	1	34	0
P12163_1_F4,15612	K.QLLAAFR.E	1110.657	0.00099	2	1	24.9	0
P12163_2_F1,14489	K.QLLAAFR.E	1110.657	0.00433	2	1	25.2	0
P12163_2_F2,1896	K.QLLAAFR.E	1110.657	0.00139	2	1	24.1	0
P12163_1_F4,9940	K.SSEESSEIK.A	1603.863	0.0073	2	1	38	0
P12163_1_F5,8362	K.SSEESSEIK.A	1603.863	0.00708	2	1	47.2	0
P12163_1_F8,8772	K.SSEESSEIK.A	1603.863	0.00152	2	1	27.3	0
P12163_2_F1,7319	K.SSEESSEIK.A	1603.863	0.0089	3	1	22.2	0
P12163_1_F4,13980	K.TSPVALK.G	1323.846	0.00542	3	1	25.5	0
P12163_2_F1,12906	K.TSPVALK.G	1323.846	0.00493	2	1	30.6	0

P12163_2_S5,11530 K.TSPVALK.G	1323.846	0.00104	3	1	22.5	0
P12163_1_F3,11903 K.YLTEATENNPEVK.E	2116.138	0.00623	3	1	22.7	0
P12163_1_F3,13303 K.YLTEATENNPEVK.E	2116.138	0.00676	2	1	32.6	0
P12163_1_F3,13403 K.YLTEATENNPEVK.E	2116.138	0.00497	3	1	23	0
P12163_1_F3,13795 K.YLTEATENNPEVK.E	2116.138	0.00494	2	1	28.7	0
P12163_1_F3,13822 K.YLTEATENNPEVK.E	2116.138	0.00683	4	1	23.5	0
P12163_1_F3,16361 K.YLTEATENNPEVK.E	2116.138	0.00266	3	1	43.1	0
P12163_1_F3,16380 K.YLTEATENNPEVK.E	2116.138	0.00218	2	1	61.8	0
P12163_1_F4,16875 K.YLTEATENNPEVK.E	2116.138	0.00695	3	1	23.4	0
P12163_1_F4,16885 K.YLTEATENNPEVK.E	2116.138	0.0045	2	1	65.6	0
P12163_1_F5,15689 K.YLTEATENNPEVK.E	2116.138	0.0109	2	1	31.3	0
P12163_1_F9,15831 K.YLTEATENNPEVK.E	2116.138	0.01091	3	1	32	0
P12163_2_F1,16046 K.YLTEATENNPEVK.E	2116.138	0.00968	3	1	35.5	0
P12163_2_F1,16059 K.YLTEATENNPEVK.E	2116.138	0.00352	2	1	45.2	0
P12163_2_F7,14560 K.YLTEATENNPEVK.E	2116.138	0.00286	2	1	69.7	0
P12163_2_F7,14629 K.YLTEATENNPEVK.E	2116.138	0.00128	3	1	40.5	0
P12163_2_F9,15230 K.YLTEATENNPEVK.E	2116.138	0.00626	3	1	36.4	0
P12163_2_F9,15236 K.YLTEATENNPEVK.E	2116.138	0.00376	2	1	30.5	0
P12163_1_F5,14082 R.ATAILK.E	1224.814	0.00317	3	1	22.1	0
P12163_1_F5,11210 R.ITVENK.W	1311.809	0.00584	3	1	22	0
P12163_2_F1,11749 R.ITVENK.W	1311.809	0.00533	3	1	22.7	0
P12163_2_F1,8086 R.KGSDM*EYGTEN.-	1854.9	-0.00037	2	1	29.6	0
P12163_1_F5,9683 R.KGSDMEYGTEN.-	1838.905	0.00853	2	1	30.1	0
P12163_1_S10,1127 R.KGSDMEYGTEN.-	1838.905	0.0052	3	1	28.5	0
P12163_1_F7,11571 K.ATAGDTHLGGEDFDN	1979.936	0.00221	3	1	31.1	0
P12163_1_F8,9335 K.ATAGDTHLGGEDFDN	1979.936	0.00154	4	1	32.9	0
P12163_1_F8,10350 K.ATAGDTHLGGEDFDN	1979.936	0.00474	4	1	44.7	0
P12163_1_F8,10358 K.ATAGDTHLGGEDFDN	1979.936	0.00495	2	1	39	0
P12163_1_F8,10594 K.ATAGDTHLGGEDFDN	1979.936	0.00784	3	1	35.8	0
P12163_1_F8,10598 K.ATAGDTHLGGEDFDN	1979.936	0.00085	2	1	45.7	0
P12163_1_F8,10606 K.ATAGDTHLGGEDFDN	1979.936	0.0029	4	1	38.9	0
P12163_1_F8,12056 K.ATAGDTHLGGEDFDN	1979.936	0.00302	3	1	55.8	0
P12163_1_F8,12232 K.ATAGDTHLGGEDFDN	1979.936	0.00173	2	1	44.6	0
P12163_2_F9,11279 K.ATAGDTHLGGEDFDN	1979.936	0.00163	3	1	61.8	0
P12163_2_S5,9391 K.ATAGDTHLGGEDFDN	1979.936	0.00354	4	1	35.8	0
P12163_2_S5,10362 K.ATAGDTHLGGEDFDN	1979.936	0.00242	4	1	55.1	0
P12163_2_S5,10365 K.ATAGDTHLGGEDFDN	1979.936	0.00311	3	1	39.6	0
P12163_2_S5,10368 K.ATAGDTHLGGEDFDN	1979.936	0.01013	2	1	35	0
P12163_2_S5,10564 K.ATAGDTHLGGEDFDN	1979.936	0.00286	4	1	37.9	0
P12163_2_S5,11889 K.ATAGDTHLGGEDFDN	1979.936	0.0021	4	1	49.3	0
P12163_2_S5,11953 K.ATAGDTHLGGEDFDN	1979.936	-0.00161	3	1	41	0
P12163_1_F5,11319 K.CMEPVEK.C	1500.801	0.00642	2	1	25.4	0
P12163_1_S1,19382 K.DAGVIAGLNVMR.I	1519.857	0.00158	3	1	52.4	0
P12163_1_S1,19420 K.DAGVIAGLNVMR.I	1519.857	0.00348	2	1	42.7	0
P12163_1_F3,20353 K.ELESICNPIIAK.M	1995.14	0.00225	2	1	69.9	0
P12163_1_F3,20364 K.ELESICNPIIAK.M	1995.14	0.00408	3	1	58	0
P12163_1_F4,12357 K.MVQEAEK.Y ! R.MVQI	1442.813	0.00599	2	1	28.1	0
P12163_1_F5,10859 K.MVQEAEK.Y ! R.MVQI	1442.813	0.00519	2	1	26.8	0
P12163_1_F5,10908 K.MVQEAEK.Y ! R.MVQI	1442.813	0.00899	3	1	35.2	0
P12163_1_F6,11909 K.MVQEAEK.Y ! R.MVQI	1442.813	0.00945	2	1	30.4	0
P12163_2_F1,11370 K.MVQEAEK.Y ! R.MVQI	1442.813	0.00503	2	1	27.8	0

P12163_2_F1,11390	K.MVQEAEK.Y ! R.MVQI	1442.813	0.00722	3	1	39.8	0
P12163_1_F3,17989	K.NALENYAYNMR.N	1662.821	0.00301	2	1	33.4	0
P12163_1_F9,17110	K.NALENYAYNMR.N	1662.821	-0.00229	2	1	36.7	0
P12163_2_F1,17641	K.NALENYAYNMR.N	1662.821	0.00091	2	1	31.7	0
P12163_2_F9,16815	K.NALENYAYNMR.N	1662.821	0.00245	2	1	38.5	0
P12163_2_F9,16832	K.NALENYAYNMR.N	1662.821	0.00103	3	1	34	0
P12163_1_F8,18778	K.NAVVTVPAYFNDSQR	1985.039	-0.00348	2	1	30.4	0
P12163_1_F8,18854	K.NAVVTVPAYFNDSQR	1985.039	0.00299	3	1	33.4	0
P12163_1_S1,17806	K.NAVVTVPAYFNDSQR	1985.039	0.01346	2	1	36.9	0
P12163_1_S1,17812	K.NAVVTVPAYFNDSQR	1985.039	0.00257	3	1	27.2	0
P12163_2_F6,18372	K.NAVVTVPAYFNDSQR	1985.039	0.00464	2	1	47.4	0
P12163_2_F6,18440	K.NAVVTVPAYFNDSQR	1985.039	-0.00088	3	1	39.9	0
P12163_1_F7,13495	K.STVHDVVLVGGSTR.I	1730.97	0.00262	3	1	31.4	0
P12163_1_F7,13515	K.STVHDVVLVGGSTR.I	1730.97	0.00321	2	1	55.8	0
P12163_1_F8,14064	K.STVHDVVLVGGSTR.I	1730.97	0.00271	3	1	25.2	0
P12163_1_F8,14080	K.STVHDVVLVGGSTR.I	1730.97	0.00279	2	1	53.7	0
P12163_1_S1,23194	R.FEELNM*DLFR.K	1633.82	0.00103	3	1	40.2	0
P12163_1_S1,23396	R.FEELNM*DLFR.K	1633.82	0.00348	2	1	42.5	0
P12163_1_S1,23417	R.FEELNM*DLFR.K	1633.82	0.00235	3	1	57.6	0
P12163_1_F2,22404	R.IINEPTAAAIAAYGLDK.I	2268.306	0.00735	3	1	45.2	0
P12163_1_F4,23908	R.IINEPTAAAIAAYGLDK.I	2268.306	0.00405	3	1	59.2	0
P12163_1_F5,22034	R.IINEPTAAAIAAYGLDK.I	2268.306	0.00048	3	1	35.6	0
P12163_1_F8,22408	R.IINEPTAAAIAAYGLDK.I	2268.306	0.00681	3	1	49.7	0
P12163_1_S1,21321	R.IINEPTAAAIAAYGLDK.I	2268.306	0.00492	3	1	53.3	0
P12163_1_S1,21346	R.IINEPTAAAIAAYGLDK.I	2268.306	-0.00297	2	1	75.2	0
P12163_1_S1,21375	R.IINEPTAAAIAAYGLDK.I	2268.306	0.00752	4	1	61	0
P12163_1_S1,21490	R.IINEPTAAAIAAYGLDK.I	2268.306	0.0003	3	1	54.8	0
P12163_1_S10,2039	R.IINEPTAAAIAAYGLDK.I	2268.306	0.00414	3	1	22.1	0
P12163_1_F9,17016	R.M*VNHFVQEFK.R	1903.036	0.00793	2	1	24.1	0
P12163_1_F9,19653	R.M*VNHFVQEFK.R	1903.036	0.00674	3	1	24.3	0
P12163_1_F9,20038	R.M*VNHFVQEFK.R	1903.036	0.00752	3	1	26.5	0
P12163_2_F7,15183	R.M*VNHFVQEFK.R	1903.036	0.00599	3	1	42	0
P12163_2_F9,19029	R.MVNHFVQEFK.R	1887.041	0.01061	3	1	33	0
P12163_2_F9,19097	R.MVNHFVQEFK.R	1887.041	0.00653	3	1	33	0
P12163_1_F8,14527	R.TTPSYVAFTDTER.L	1791.907	0.00344	3	1	24.1	0
P12163_1_F8,14585	R.TTPSYVAFTDTER.L	1791.907	0.00829	2	1	31.6	0
P12163_1_F8,16589	R.TTPSYVAFTDTER.L	1791.907	0.00553	2	1	47.8	0
P12163_2_F6,16074	R.TTPSYVAFTDTER.L	1791.907	0.00237	2	1	58	0
P12163_1_S1,14498	R.VEIIANDQGNR.I ! R.VI	1532.833	0.00335	2	1	30.8	0
P12163_1_S1,14657	R.VEIIANDQGNR.I ! R.VI	1532.833	0.00328	3	1	71.6	0
P12163_1_S1,14739	R.VEIIANDQGNR.I ! R.VI	1532.833	0.00397	2	1	33.7	0
P12163_1_S1,14901	R.VEIIANDQGNR.I ! R.VI	1532.833	0.00187	3	1	69.2	0
P12163_1_S1,14978	R.VEIIANDQGNR.I ! R.VI	1532.833	0.00507	2	1	32	0
P12163_1_S10,199	R.VEIIANDQGNR.I ! R.VI	1532.833	0.00184	3	1	35.4	0
P12163_1_S10,276	R.VEIIANDQGNR.I ! R.VI	1532.833	0.00555	2	1	29.8	0
P12163_1_F7,11571	K.ATAGDTHLGGEDFDN	1979.936	0.00221	3	1	31.1	0
P12163_1_F8,9335	K.ATAGDTHLGGEDFDN	1979.936	0.00154	4	1	32.9	0
P12163_1_F8,10350	K.ATAGDTHLGGEDFDN	1979.936	0.00474	4	1	44.7	0
P12163_1_F8,10358	K.ATAGDTHLGGEDFDN	1979.936	0.00495	2	1	39	0
P12163_1_F8,10594	K.ATAGDTHLGGEDFDN	1979.936	0.00784	3	1	35.8	0
P12163_1_F8,10598	K.ATAGDTHLGGEDFDN	1979.936	0.00085	2	1	45.7	0

P12163_1_F8,10606	K.ATAGDTHLGGEDFDN	1979.936	0.0029	4	1	38.9	0
P12163_1_F8,12056	K.ATAGDTHLGGEDFDN	1979.936	0.00302	3	1	55.8	0
P12163_1_F8,12232	K.ATAGDTHLGGEDFDN	1979.936	0.00173	2	1	44.6	0
P12163_2_F9,11279	K.ATAGDTHLGGEDFDN	1979.936	0.00163	3	1	61.8	0
P12163_2_S5,9391	K.ATAGDTHLGGEDFDN	1979.936	0.00354	4	1	35.8	0
P12163_2_S5,10362	K.ATAGDTHLGGEDFDN	1979.936	0.00242	4	1	55.1	0
P12163_2_S5,10365	K.ATAGDTHLGGEDFDN	1979.936	0.00311	3	1	39.6	0
P12163_2_S5,10368	K.ATAGDTHLGGEDFDN	1979.936	0.01013	2	1	35	0
P12163_2_S5,10564	K.ATAGDTHLGGEDFDN	1979.936	0.00286	4	1	37.9	0
P12163_2_S5,11889	K.ATAGDTHLGGEDFDN	1979.936	0.0021	4	1	49.3	0
P12163_2_S5,11953	K.ATAGDTHLGGEDFDN	1979.936	-0.00161	3	1	41	0
P12163_1_F5,11319	K.CMEPVEK.C	1500.801	0.00642	2	1	25.4	0
P12163_1_S1,19382	K.DAGVIAGLNVMR.I	1519.857	0.00158	3	1	52.4	0
P12163_1_S1,19420	K.DAGVIAGLNVMR.I	1519.857	0.00348	2	1	42.7	0
P12163_1_F3,20353	K.ELESICNPIIAK.M	1995.14	0.00225	2	1	69.9	0
P12163_1_F3,20364	K.ELESICNPIIAK.M	1995.14	0.00408	3	1	58	0
P12163_1_F4,12357	K.MVQEAEK.Y ! R.MVQI	1442.813	0.00599	2	1	28.1	0
P12163_1_F5,10859	K.MVQEAEK.Y ! R.MVQI	1442.813	0.00519	2	1	26.8	0
P12163_1_F5,10908	K.MVQEAEK.Y ! R.MVQI	1442.813	0.00899	3	1	35.2	0
P12163_1_F6,11909	K.MVQEAEK.Y ! R.MVQI	1442.813	0.00945	2	1	30.4	0
P12163_2_F1,11370	K.MVQEAEK.Y ! R.MVQI	1442.813	0.00503	2	1	27.8	0
P12163_2_F1,11390	K.MVQEAEK.Y ! R.MVQI	1442.813	0.00722	3	1	39.8	0
P12163_1_F3,17989	K.NALENYAYNMR.N	1662.821	0.00301	2	1	33.4	0
P12163_1_F9,17110	K.NALENYAYNMR.N	1662.821	-0.00229	2	1	36.7	0
P12163_2_F1,17641	K.NALENYAYNMR.N	1662.821	0.00091	2	1	31.7	0
P12163_2_F9,16815	K.NALENYAYNMR.N	1662.821	0.00245	2	1	38.5	0
P12163_2_F9,16832	K.NALENYAYNMR.N	1662.821	0.00103	3	1	34	0
P12163_1_F8,18778	K.NAVVTVPAYFNDSQR	1985.039	-0.00348	2	1	30.4	0
P12163_1_F8,18854	K.NAVVTVPAYFNDSQR	1985.039	0.00299	3	1	33.4	0
P12163_1_S1,17806	K.NAVVTVPAYFNDSQR	1985.039	0.01346	2	1	36.9	0
P12163_1_S1,17812	K.NAVVTVPAYFNDSQR	1985.039	0.00257	3	1	27.2	0
P12163_2_F6,18372	K.NAVVTVPAYFNDSQR	1985.039	0.00464	2	1	47.4	0
P12163_2_F6,18440	K.NAVVTVPAYFNDSQR	1985.039	-0.00088	3	1	39.9	0
P12163_1_F3,25377	K.QFAAEEISSMVLIK.M	2174.235	0.00592	3	1	49.2	0
P12163_1_F4,14347	K.SSVHDVVLVGGSTR.I	1716.955	0.00968	3	1	41.2	0
P12163_1_F4,14348	K.SSVHDVVLVGGSTR.I	1716.955	0.00904	2	1	63.8	0
P12163_1_F6,13771	K.SSVHDVVLVGGSTR.I	1716.955	0.00268	2	1	40.6	0
P12163_1_F7,13090	K.SSVHDVVLVGGSTR.I	1716.955	0.00387	3	1	28	0
P12163_2_F6,13064	K.SSVHDVVLVGGSTR.I	1716.955	0.0003	3	1	30.2	0
P12163_2_F9,12613	K.SSVHDVVLVGGSTR.I	1716.955	0.03138	2	1	24.2	0
P12163_1_S1,23194	R.FEELNM*DLFR.K	1633.82	0.00103	3	1	40.2	0
P12163_1_S1,23396	R.FEELNM*DLFR.K	1633.82	0.00348	2	1	42.5	0
P12163_1_S1,23417	R.FEELNM*DLFR.K	1633.82	0.00235	3	1	57.6	0
P12163_1_F2,22404	R.IINEPTAAAIAAYGLDK.I	2268.306	0.00735	3	1	45.2	0
P12163_1_F4,23908	R.IINEPTAAAIAAYGLDK.I	2268.306	0.00405	3	1	59.2	0
P12163_1_F5,22034	R.IINEPTAAAIAAYGLDK.I	2268.306	0.00048	3	1	35.6	0
P12163_1_F8,22408	R.IINEPTAAAIAAYGLDK.I	2268.306	0.00681	3	1	49.7	0
P12163_1_S1,21321	R.IINEPTAAAIAAYGLDK.I	2268.306	0.00492	3	1	53.3	0
P12163_1_S1,21346	R.IINEPTAAAIAAYGLDK.I	2268.306	-0.00297	2	1	75.2	0
P12163_1_S1,21375	R.IINEPTAAAIAAYGLDK.I	2268.306	0.00752	4	1	61	0
P12163_1_S1,21490	R.IINEPTAAAIAAYGLDK.I	2268.306	0.0003	3	1	54.8	0

P12163_1_S10,2039	R.IINEPTAAAIAYGLDK.I	2268.306	0.00414	3	1	22.1	0
P12163_1_F9,17016	R.M*VNHFVQEFK.R	1903.036	0.00793	2	1	24.1	0
P12163_1_F9,19653	R.M*VNHFVQEFK.R	1903.036	0.00674	3	1	24.3	0
P12163_1_F9,20038	R.M*VNHFVQEFK.R	1903.036	0.00752	3	1	26.5	0
P12163_2_F7,15183	R.M*VNHFVQEFK.R	1903.036	0.00599	3	1	42	0
P12163_2_F9,19029	R.MVNHFVQEFK.R	1887.041	0.01061	3	1	33	0
P12163_2_F9,19097	R.MVNHFVQEFK.R	1887.041	0.00653	3	1	33	0
P12163_1_S1,14498	R.VEIIANDQGNR.I ! R.VI	1532.833	0.00335	2	1	30.8	0
P12163_1_S1,14657	R.VEIIANDQGNR.I ! R.VI	1532.833	0.00328	3	1	71.6	0
P12163_1_S1,14739	R.VEIIANDQGNR.I ! R.VI	1532.833	0.00397	2	1	33.7	0
P12163_1_S1,14901	R.VEIIANDQGNR.I ! R.VI	1532.833	0.00187	3	1	69.2	0
P12163_1_S1,14978	R.VEIIANDQGNR.I ! R.VI	1532.833	0.00507	2	1	32	0
P12163_1_S10,199	R.VEIIANDQGNR.I ! R.VI	1532.833	0.00184	3	1	35.4	0
P12163_1_S10,276	R.VEIIANDQGNR.I ! R.VI	1532.833	0.00555	2	1	29.8	0
P12163_1_S10,1566	K.AAFYVVK.S	1421.825	0.00836	2	1	25.2	0
P12163_2_F1,15724	K.AAFYVVK.S	1421.825	0.00366	3	1	31.6	0
P12163_2_F1,15813	K.AAFYVVK.S	1421.825	0.00622	2	1	28.6	0
P12163_2_F8,12070	K.AAFYVVK.S	1421.825	0.00663	3	1	22.7	0
P12163_1_F3,7935	K.GNQDDQFR.R	1411.687	0.00279	2	1	45	0
P12163_1_F4,8363	K.GNQDDQFR.R	1411.687	0.00405	2	1	32.5	0
P12163_2_F1,7420	K.GNQDDQFR.R	1411.687	0.00373	2	1	27.6	0
P12163_1_F5,5601	K.HTNPCGVASR.D	1402.716	0.00394	3	1	36.3	0
P12163_1_F9,4872	K.HTNPCGVASR.D	1402.716	0.00646	3	1	24.5	0
P12163_2_F4,5821	K.HTNPCGVASR.D	1402.716	-0.00185	3	1	29.2	0
P12163_2_F9,5792	K.HTNPCGVASR.D	1402.716	0.00199	3	1	24.7	0
P12163_1_F3,10248	K.NNCMLGM*GSGQPNR	1855.851	0.00333	2	1	30.2	0
P12163_2_F1,9857	K.NNCMLGM*GSGQPNR	1855.851	-0.00019	2	1	26.2	0
P12163_2_F1,12698	K.NNCMLGM*GSGQPNR	1839.857	0.00101	2	1	53.1	0
P12163_1_F4,18865	K.QALISLSDK.K	1582.962	0.00674	2	1	33.5	0
P12163_1_F5,17426	K.QALISLSDK.K	1582.962	0.00329	3	1	22.1	0
P12163_2_F1,18077	K.QALISLSDK.K	1582.962	0.00404	3	1	36.6	0
P12163_1_F8,13705	K.SLAEVNAGGIATAIQH	2482.399	0.00518	4	1	44.2	0
P12163_1_F8,15443	K.SLAEVNAGGIATAIQH	2482.399	0.00654	4	1	41.1	0
P12163_1_F8,17839	K.SLAEVNAGGIATAIQH	2482.399	0.00598	4	1	61	0
P12163_1_F8,18150	K.SLAEVNAGGIATAIQH	2482.399	0.0151	4	1	52.7	0
P12163_1_S10,17121	K.SLAEVNAGGIATAIQH	2482.399	0.00618	4	1	48.2	0
P12163_2_F10,1278	K.SLAEVNAGGIATAIQH	2482.399	0.0051	4	1	34.6	0
P12163_2_F10,14391	K.SLAEVNAGGIATAIQH	2482.399	0.00266	4	1	51.8	0
P12163_2_F10,14471	K.SLAEVNAGGIATAIQH	2482.399	0.00244	5	1	56.3	0
P12163_2_F10,16021	K.SLAEVNAGGIATAIQH	2482.399	0.0141	4	1	55.8	0
P12163_2_F10,16071	K.SLAEVNAGGIATAIQH	2482.399	0.00532	3	1	85.8	0
P12163_2_F4,16616	K.SLAEVNAGGIATAIQH	2482.399	0.00362	4	1	69.6	0
P12163_1_F4,15368	K.SNAIVIAK.N ! K.SNAIV	1423.909	0.00696	2	1	31	0
P12163_2_F1,14299	K.SNAIVIAK.N ! K.SNAIV	1423.909	0.00452	2	1	31.4	0
P12163_2_F1,14314	K.SNAIVIAK.N ! K.SNAIV	1423.909	0.00425	3	1	29	0
P12163_1_F6,12352	K.TLHPNIHGGILAR.R	1703.002	0.00205	4	1	43.8	0
P12163_1_F6,14215	K.TLHPNIHGGILAR.R	1703.002	0.00233	4	1	39.2	0
P12163_1_F6,14230	K.TLHPNIHGGILAR.R	1703.002	0.00255	3	1	26.3	0
P12163_1_F7,11669	K.TLHPNIHGGILAR.R	1703.002	0.00361	4	1	36.4	0
P12163_1_F7,13510	K.TLHPNIHGGILAR.R	1703.002	0.00293	4	1	54.9	0
P12163_1_F8,357	K.TLHPNIHGGILAR.R	1703.002	0.00253	4	1	47	0

P12163_1_F8,365	K.TLHPNIHGGILAR.R	1703.002	0.00096	3	1	25.5	0
P12163_2_F6,11863	K.TLHPNIHGGILAR.R	1703.002	0.00189	4	1	35.3	0
P12163_2_F7,12552	K.TLHPNIHGGILAR.R	1703.002	0.00461	4	1	43.6	0
P12163_2_F9,12869	K.TLHPNIHGGILAR.R	1703.002	0.00217	4	1	43.7	0
P12163_2_S5,13128	K.TLHPNIHGGILAR.R	1703.002	0.00313	4	1	45.5	0
P12163_1_S1,20911	K.YGVALLLTSVR.H	1495.915	0.00176	3	1	37.3	0
P12163_1_S1,23977	K.YGVALLLTSVR.H	1495.915	0.00218	3	1	35.5	0
P12163_1_F3,18772	R.DDILEAYK.L	1574.889	0.00962	2	1	32.3	0
P12163_1_F4,19223	R.DDILEAYK.L	1574.889	0.0047	3	1	36.2	0
P12163_1_F4,19236	R.DDILEAYK.L	1574.889	0.00558	2	1	47.5	0
P12163_1_F5,18083	R.DDILEAYK.L	1574.889	0.01048	2	1	35.6	0
P12163_1_F7,16833	R.DDILEAYK.L	1574.889	-0.00118	3	1	31.5	0
P12163_1_F9,17723	R.DDILEAYK.L	1574.889	0.01006	2	1	34.4	0
P12163_1_F9,17765	R.DDILEAYK.L	1574.889	0.00509	3	1	35.6	0
P12163_2_F9,17046	R.DDILEAYK.L	1574.889	0.00377	3	1	28.3	0
P12163_1_F4,10441	R.DGDAIDCCNK.Y	1775.851	0.01108	2	1	38.3	0
P12163_1_F2,4327	R.SPTDGETR.M	1166.595	0.0027	3	1	26.7	0
P12163_2_S5,7867	R.YGENPHQK.A	1580.864	0.00731	3	1	23	0
P12163_1_F7,20723	K.ATDSPLPTVPGYDVAC	2593.47	0.00414	3	1	39	0
P12163_2_S5,19405	K.ATDSPLPTVPGYDVAC	2593.47	0.00285	3	1	25	0
P12163_1_F3,23507	K.AWLIGEYGGVDVLK.	2178.205	0.00178	3	1	48.7	0
P12163_1_F3,23514	K.AWLIGEYGGVDVLK.	2178.205	0.00188	2	1	35.6	0
P12163_1_F4,24316	K.AWLIGEYGGVDVLK.	2178.205	0.00658	3	1	59.8	0
P12163_1_F4,16348	K.DNFEDLPEK.F	1714.911	0.00481	3	1	34.2	0
P12163_1_F2,13878	K.EGDEVYGDINEK.A	1976.007	0.00595	2	1	41.9	0
P12163_1_F4,17283	K.LNPYLESGK.V	1628.947	0.00844	2	1	28.4	0
P12163_1_F5,15901	K.LNPYLESGK.V	1628.947	0.00618	3	1	26	0
P12163_1_F7,15017	K.LNPYLESGK.V	1628.947	0.00501	3	1	21.9	0
P12163_2_F9,15219	K.LNPYLESGK.V	1628.947	0.00744	2	1	36.6	0
P12163_2_F9,15229	K.LNPYLESGK.V	1628.947	0.009	3	1	29.1	0
P12163_1_F8,19375	K.QFGSLAEYTAVEER.L	1903.97	0.00175	2	1	36.7	0
P12163_1_F8,19419	K.QFGSLAEYTAVEER.L	1903.97	0.00267	3	1	28.6	0
P12163_1_S1,14583	K.QFGSLAEYTAVEER.L	1903.97	0.00498	3	1	43	0
P12163_1_S1,15928	K.QFGSLAEYTAVEER.L	1903.97	0.00576	3	1	51.6	0
P12163_1_S1,18646	K.QFGSLAEYTAVEER.L	1903.97	0.00691	2	1	49.2	0
P12163_1_S1,18666	K.QFGSLAEYTAVEER.L	1903.97	0.00162	3	1	62.1	0
P12163_1_S1,18890	K.QFGSLAEYTAVEER.L	1903.97	-0.00117	2	1	38.1	0
P12163_2_F6,18877	K.QFGSLAEYTAVEER.L	1903.97	-0.00033	2	1	36.6	0
P12163_1_F4,14825	K.VGTVPSEM.K.A	1555.897	0.00607	3	1	26.2	0
P12163_2_F1,13832	K.VGTVPSEM.K.A	1555.897	0.00436	3	1	26.1	0
P12163_1_F2,18592	K.VVAAALNPVDGK.R	1762.068	0.00569	3	1	31.7	0
P12163_1_F2,18620	K.VVAAALNPVDGK.R	1762.068	0.00834	2	1	45.8	0
P12163_1_F2,19533	K.VVAAALNPVDGK.R	1762.068	-0.00169	3	1	30.9	0
P12163_1_F3,20045	K.VVAAALNPVDGK.R	1762.068	-0.00016	2	1	41	0
P12163_1_F3,20085	K.VVAAALNPVDGK.R	1762.068	0.00533	3	1	52.5	0
P12163_1_F3,20343	K.VVAAALNPVDGK.R	1762.068	0.00524	2	1	57.5	0
P12163_1_F3,20371	K.VVAAALNPVDGK.R	1762.068	0.00392	3	1	48.9	0
P12163_1_F6,19061	K.VVAAALNPVDGK.R	1762.068	0.008	3	1	28.3	0
P12163_1_F6,19532	K.VVAAALNPVDGK.R	1762.068	0.00209	3	1	34.2	0
P12163_1_S1,17350	K.VVAAALNPVDGK.R	1762.068	0.01478	3	1	48	0
P12163_2_F2,19616	K.VVAAALNPVDGK.R	1762.068	-0.0004	3	1	39.8	0

P12163_2_F4,18239	K.VVAAALNPVDGK.R	1762.068	0.00476	3	1	42.1	0
P12163_1_F4,15273	R.EDQVLIK.V ! K.EDQVI	1452.888	0.0073	2	1	28.3	0
P12163_2_F4,13161	R.EDQVLIK.V ! K.EDQVI	1452.888	0.00294	2	1	26.7	0
P12163_1_F3,18596	R.FVVTSTNGEVLK.K	1801.068	0.00302	2	1	32.9	0
P12163_1_F4,19066	R.FVVTSTNGEVLK.K	1801.068	0.00616	2	1	58.6	0
P12163_2_F1,18312	R.FVVTSTNGEVLK.K	1801.068	0.00588	2	1	50	0
P12163_2_F1,18368	R.FVVTSTNGEVLK.K	1801.068	0.0054	3	1	51.3	0
P12163_2_F4,16500	R.FVVTSTNGEVLK.K	1801.068	-0.00048	3	1	32.2	0
P12163_2_F9,16401	R.FVVTSTNGEVLK.K	1801.068	0.00684	3	1	41	0
P12163_1_F3,17276	R.SLGADLAIDYTK.E ! K	1875.068	0.00503	3	1	24.7	0
P12163_1_F3,17314	R.SLGADLAIDYTK.E ! K	1875.068	0.00527	2	1	26.1	0
P12163_1_F3,18413	R.SLGADLAIDYTK.E ! K	1875.068	0.00401	2	1	54.7	0
P12163_1_F3,18424	R.SLGADLAIDYTK.E ! K	1875.068	0.00386	3	1	54.1	0
P12163_1_F3,19779	R.SLGADLAIDYTK.E ! K	1875.068	-0.00285	2	1	56.8	0
P12163_1_F3,19856	R.SLGADLAIDYTK.E ! K	1875.068	0.00836	3	1	52.4	0
P12163_2_F2,10936	R.TGFSAGK.S	1275.752	0.00639	3	1	25.9	0
P12163_1_F3,5372	R.VAATSSSTR.N	1096.626	0.00374	3	1	36.7	0
P12163_2_F1,4758	R.VAATSSSTR.N	1096.626	0.00239	3	1	24.5	0
P12163_2_F1,5053	R.VAATSSSTR.N	1096.626	0.0017	3	1	27.8	0
P12163_1_F2,22694	K.ADFGSVM*DVLK.K	1805.993	0.00374	3	1	34	0
P12163_1_F6,21918	K.ADFGSVM*DVLK.K	1805.993	-0.00205	3	1	22.7	0
P12163_1_F3,23385	K.ADFGSVMDVLK.K	1789.998	0.00677	2	1	52.4	0
P12163_1_F3,23405	K.ADFGSVMDVLK.K	1789.998	0.0116	3	1	47.4	0
P12163_1_F3,14655	K.ALFDSR.V	1012.573	0.00249	2	1	24.6	0
P12163_1_F4,15154	K.ALFDSR.V	1012.573	0.00161	2	1	24.4	0
P12163_1_F4,22552	K.EFLQM*NDLWVK.H	2047.114	0.00734	3	1	28.4	0
P12163_1_F4,25464	K.EFLQM*NDLWVK.H	2047.114	0.00761	3	1	25.9	0
P12163_1_F4,25432	K.EFLQMNDLWVK.H	2031.119	0.00947	3	1	26.1	0
P12163_1_F2,14892	K.ELGLVDR.I	1105.652	0.00483	2	1	24.3	0
P12163_1_F2,15115	K.ELGLVDR.I	1105.652	0.00271	2	1	26.9	0
P12163_2_F2,13719	K.GFQMCK.E	1378.743	0.00805	2	1	25.7	0
P12163_2_F2,13742	K.GFQMCK.E	1378.743	0.00791	3	1	25.2	0
P12163_2_S5,13301	K.HYDGAYWK.A	1647.874	0.00298	3	1	25.4	0
P12163_1_F6,12279	K.IDYHSQNIK.D	1725.974	-0.00324	2	1	24	0
P12163_1_F9,12187	K.IDYHSQNIK.D	1725.974	0.00768	3	1	34.9	0
P12163_1_F9,12189	K.IDYHSQNIK.D	1725.974	0.00686	2	1	27.5	0
P12163_2_F7,11265	K.IDYHSQNIK.D	1725.974	0.00483	3	1	36	0
P12163_2_F1,20236	K.TTWPYGSVWSK.K	1977.069	0.00348	3	1	22.7	0
P12163_2_F1,20239	K.TTWPYGSVWSK.K	1977.069	0.00435	2	1	44.5	0
P12163_1_F6,11211	K.TVVVSTAHLK.F ! R.	1720.058	0.00657	3	1	22	0
P12163_1_F6,14192	K.TVVVSTAHLK.F ! R.	1720.058	0.0096	3	1	31.3	0
P12163_1_F6,14217	K.TVVVSTAHLK.F ! R.	1720.058	0.00554	2	1	49.4	0
P12163_1_F8,14089	K.TVVVSTAHLK.F ! R.	1720.058	0.00723	3	1	43.7	0
P12163_1_F8,14120	K.TVVVSTAHLK.F ! R.	1720.058	0.0103	2	1	39.7	0
P12163_2_F6,13562	K.TVVVSTAHLK.F ! R.	1720.058	0.00468	2	1	50	0
P12163_2_F6,13594	K.TVVVSTAHLK.F ! R.	1720.058	0.003	3	1	44.3	0
P12163_2_S5,13000	K.TVVVSTAHLK.F ! R.	1720.058	0.00444	3	1	28.9	0
P12163_1_F4,15799	R.LANPPVSVK.A	1532.962	0.0014	2	1	28.2	0
P12163_1_F4,15891	R.LANPPVSVK.A	1532.962	0.00382	3	1	36.1	0
P12163_1_F4,15996	R.LANPPVSVK.A	1532.962	0.0081	2	1	25.4	0
P12163_1_F4,16093	R.LANPPVSVK.A	1532.962	0.00874	3	1	26.1	0

P12163_1_F4,16216	R.LANPPVSVK.A	1532.962	0.00824	2	1	32.5	0
P12163_2_F1,15035	R.LANPPVSVK.A	1532.962	0.00366	2	1	27	0
P12163_2_F1,15114	R.LANPPVSVK.A	1532.962	0.00582	3	1	30.8	0
P12163_2_F1,15298	R.LANPPVSVK.A	1532.962	0.00464	2	1	27.6	0
P12163_2_F1,15326	R.LANPPVSVK.A	1532.962	0.00393	3	1	32.3	0
P12163_1_F2,22376	R.LVCAQAANANPLYLY	2580.41	0.00488	3	1	53.9	0
P12163_1_F3,23041	R.LVCAQAANANPLYLY	2580.41	0.00419	3	1	56	0
P12163_1_F3,23085	R.LVCAQAANANPLYLY	2580.41	0.00288	4	1	50.8	0
P12163_2_F4,7597	R.NVIHCHK.F	1456.884	0.0067	2	1	26.5	0
P12163_1_F7,15255	R.SQSGLLDVQHDM*G	2380.275	0.0058	3	1	25.9	0
P12163_1_F8,15958	R.SQSGLLDVQHDM*G	2380.275	0.00088	3	1	37.8	0
P12163_1_F8,15979	R.SQSGLLDVQHDM*G	2380.275	0.00512	4	1	24.4	0
P12163_1_F8,19260	R.SQSGLLDVQHDMGA	2364.28	0.0035	3	1	63.3	0
P12163_1_F8,19308	R.SQSGLLDVQHDMGA	2364.28	0.00433	2	1	39.9	0
P12163_2_S5,17926	R.SQSGLLDVQHDMGA	2364.28	0.00756	4	1	36.6	0
P12163_2_S5,17945	R.SQSGLLDVQHDMGA	2364.28	0.00677	3	1	48.5	0
P12163_1_F4,10475	K.ASAASEAIEK.V	1584.905	0.0086	2	1	36.8	0
P12163_1_F4,13607	K.ASAASEAIEK.V	1584.905	0.00488	2	1	47.4	0
P12163_1_F5,12142	K.ASAASEAIEK.V	1584.905	0.00709	3	1	32.1	0
P12163_1_F7,11443	K.ASAASEAIEK.V	1584.905	0.00139	3	1	27.3	0
P12163_1_F7,11756	K.ASAASEAIEK.V	1584.905	-0.00098	3	1	29.7	0
P12163_2_F1,12451	K.ASAASEAIEK.V	1584.905	0.00704	2	1	51.4	0
P12163_2_F1,12465	K.ASAASEAIEK.V	1584.905	0.00364	3	1	38.4	0
P12163_1_F2,14715	K.DGLVVYDYGK.G	1573.905	0.00736	2	1	31.8	0
P12163_1_F3,15937	K.DGLVVYDYGK.G	1573.905	0.00456	2	1	27.3	0
P12163_1_F3,16005	K.DGLVVYDYGK.G	1573.905	0.00544	3	1	24.8	0
P12163_1_F4,16509	K.DGLVVYDYGK.G	1573.905	0.00046	3	1	30.1	0
P12163_1_F9,15539	K.DGLVVYDYGK.G	1573.905	0.00242	2	1	35.2	0
P12163_2_F9,14648	K.DGLVVYDYGK.G	1573.905	0.0019	3	1	31.1	0
P12163_1_F7,20556	K.EPVVSDWLHANLR.E	1939.07	0.00289	3	1	39.1	0
P12163_2_F10,1889	K.EPVVSDWLHANLR.E	1939.07	0.00052	3	1	23.4	0
P12163_2_S5,19882	K.EPVVSDWLHANLR.E	1939.07	0.00319	3	1	85.8	0
P12163_1_F8,23006	K.FQPHLIWTLEQVK.R	2247.311	0.00666	3	1	34.7	0
P12163_2_F6,22732	K.FQPHLIWTLEQVK.R	2247.311	0.00456	3	1	25.7	0
P12163_1_F3,13228	K.VYQGQVVGPTTFQTK	2261.275	0.00322	3	1	24.5	0
P12163_1_F3,14805	K.VYQGQVVGPTTFQTK	2261.275	0.00259	3	1	36.3	0
P12163_1_F3,16383	K.VYQGQVVGPTTFQTK	2261.275	0.0073	3	1	36.2	0
P12163_1_F3,16686	K.VYQGQVVGPTTFQTK	2261.275	0.00559	3	1	48.5	0
P12163_1_F3,17717	K.VYQGQVVGPTTFQTK	2261.275	0.0085	3	1	64	0
P12163_1_F3,17744	K.VYQGQVVGPTTFQTK	2261.275	-0.00112	2	1	43.2	0
P12163_1_F3,15180	R.ADYSTLSVSPK.E	1776	-0.00126	2	1	52.9	0
P12163_1_F3,15215	R.ADYSTLSVSPK.E	1776	-0.00265	3	1	55.2	0
P12163_1_F2,16210	R.ASGYDVESASGDAIL	2278.202	0.00877	3	1	54.5	0
P12163_1_S1,14225	R.ASGYDVESASGDAIL	2278.202	0.00508	3	1	48.6	0
P12163_1_S10,1593	R.ASGYDVESASGDAIL	2278.202	0.00178	3	1	45.2	0
P12163_2_F6,15880	R.ASGYDVESASGDAIL	2278.202	0.0079	3	1	48	0
P12163_2_F6,15932	R.ASGYDVESASGDAIL	2278.202	0.00621	2	1	66.6	0
P12163_1_F4,12814	R.FDGDAPEPR.K	1307.653	0.00256	2	1	28.8	0
P12163_1_S1,11863	R.FDGDAPEPR.K	1307.653	0.00532	2	1	41.1	0
P12163_1_S1,11956	R.FDGDAPEPR.K	1307.653	0.00298	3	1	43.1	0
P12163_1_S1,17057	R.NIEEGTYQLVDAR.S	1811.944	0.00566	2	1	34.8	0

P12163_1_S1,17062 R.NIEEGTYQLVDAR.S	1811.944	0.00527	3	1	49.9	0
P12163_2_F6,16997 R.NIEEGTYQLVDAR.S	1811.944	0.01084	2	1	30.5	0
P12163_2_F7,12170 R.RADYSTLSVSPK.E	1932.101	0.00722	3	1	31.7	0
P12163_2_F9,12417 R.RADYSTLSVSPK.E	1932.101	0.00845	3	1	32.7	0
P12163_2_S5,12642 R.RADYSTLSVSPK.E	1932.101	0.0068	3	1	32.3	0
P12163_2_F4,6845 R.SGHVPGSK.C	1376.811	-0.00073	3	1	24.9	0
P12163_1_S10,10710 R.VFGHDR.V	1034.568	-0.00056	3	1	29.4	0
P12163_1_S10,10910 R.VFGHDR.V	1034.568	0.00469	3	1	27.7	0
P12163_2_F8_12070 R.VFGHDR.V	1034.568	0.00286	3	1	23.2	0
P12163_1_F2,23091 R.VWVLDGGLPR.W	1415.831	0.00338	2	1	26.9	0
P12163_1_S1,17287 K.ASEIVLQPIR.E	1429.868	0.00004	3	1	50.1	0
P12163_1_S1,17470 K.ASEIVLQPIR.E	1429.868	0.0043	2	1	42.4	0
P12163_1_F4,21179 K.FAEVLEK.M	1443.867	0.00617	3	1	22.4	0
P12163_1_F4,21316 K.FAEVLEK.M	1443.867	0.00783	2	1	34.1	0
P12163_1_F5,20071 K.FAEVLEK.M	1443.867	0.01103	3	1	24.1	0
P12163_1_F5,20200 K.FAEVLEK.M	1443.867	0.00755	2	1	25.7	0
P12163_1_F7,18819 K.FAEVLEK.M	1443.867	0.0023	3	1	28.1	0
P12163_2_F1,20524 K.FAEVLEK.M	1443.867	0.00734	3	1	30.6	0
P12163_2_F1,20616 K.FAEVLEK.M	1443.867	0.01195	2	1	25.3	0
P12163_1_F8,19516 K.LGATVEEGPDYCVITP	2683.411	0.00338	3	1	44.2	0
P12163_1_F3,22891 K.LGLNVEEDFAM*K.R	1990.078	0.00928	3	1	38.5	0
P12163_1_F6,14635 K.VAAIDTYDDHR.M	1579.802	0.00199	3	1	29.6	0
P12163_1_F8,14485 K.VAAIDTYDDHR.M	1579.802	0.00556	3	1	31.1	0
P12163_1_F8,14549 K.VAAIDTYDDHR.M	1579.802	0.00405	2	1	44.5	0
P12163_2_S5,13879 K.VAAIDTYDDHR.M	1579.802	0.00094	3	1	53	0
P12163_2_S5,13883 K.VAAIDTYDDHR.M	1579.802	-0.00049	2	1	28.1	0
P12163_2_S5,14098 K.VAAIDTYDDHR.M	1579.802	0.00235	3	1	68.1	0
P12163_2_S5,14108 K.VAAIDTYDDHR.M	1579.802	0.00649	2	1	27.4	0
P12163_1_S1,16880 K.VTWTENSVTVTGPPR.	1948.044	0.0028	2	1	49	0
P12163_1_S1,16941 K.VTWTENSVTVTGPPR.	1948.044	0.00337	3	1	60	0
P12163_1_F2,22042 R.AIVEGCGGLFPLAK.Q	2040.177	0.00793	3	1	40.2	0
P12163_1_F2,22067 R.AIVEGCGGLFPLAK.Q	2040.177	0.00202	2	1	35.2	0
P12163_1_F3,22700 R.AIVEGCGGLFPLAK.Q	2040.177	0.01198	2	1	49.2	0
P12163_1_F3,22718 R.AIVEGCGGLFPLAK.Q	2040.177	0.00685	3	1	48	0
P12163_1_F4,23501 R.AIVEGCGGLFPLAK.Q	2040.177	0.00544	3	1	27	0
P12163_1_F5,21640 R.AIVEGCGGLFPLAK.Q	2040.177	0.0015	2	1	24.5	0
P12163_1_F5,21662 R.AIVEGCGGLFPLAK.Q	2040.177	0.00142	3	1	34.4	0
P12163_2_F2,22045 R.AIVEGCGGLFPLAK.Q	2040.177	0.00058	3	1	30.7	0
P12163_2_F1,12955 R.AVDVNMNK.M	1498.851	0.00672	3	1	32.3	0
P12163_2_F1,12964 R.AVDVNMNK.M	1498.851	0.00373	2	1	34.8	0
P12163_1_F3,14921 R.EISGTVTLPGSK.S	1797.058	0.00542	2	1	36.3	0
P12163_1_F3,16644 R.EISGTVTLPGSK.S	1797.058	0.00088	2	1	34.1	0
P12163_1_F8,18303 R.ERPIGDLVTGLK.Q	1906.158	0.00367	3	1	29.9	0
P12163_2_F6,17703 R.ERPIGDLVTGLK.Q	1906.158	0.00385	3	1	22.5	0
P12163_2_F6,17728 R.ERPIGDLVTGLK.Q	1906.158	0.00662	2	1	34.6	0
P12163_2_F6,18241 R.ERPIGDLVTGLK.Q	1906.158	0.00676	3	1	25.8	0
P12163_1_F5,17299 R.FFIQGGQK.Y	1532.905	0.00464	2	1	31.2	0
P12163_2_F2,18037 R.FFIQGGQK.Y	1532.905	0.00374	3	1	28.5	0
P12163_2_F2,18167 R.FFIQGGQK.Y	1532.905	0.00596	2	1	25.9	0
P12163_1_F8,20817 R.FGVFVEHGDSWDR.F	1854.908	0.00296	3	1	24.4	0
P12163_2_F6,20386 R.FGVFVEHGDSWDR.F	1854.908	0.00167	3	1	32	0

P12163_2_F6,20416	R.FGVFVEHGDSWDR.F	1854.908	0.00511	2	1	37.9	0
P12163_1_F2,17639	R.M*IAICTELR.K	1426.77	0.0053	3	1	21.9	0
P12163_1_F7,21321	K.AAVAWEAGKPLVIEE'	3343.939	0.00589	3	1	50.4	0
P12163_1_S1,19522	K.AFDLM*LSGESIR.C	1658.872	0.00461	3	1	33.4	0
P12163_1_S1,22887	K.AFDLMLSGESIR.C	1642.878	0.00578	2	1	36	0
P12163_1_S1,22977	K.AFDLMLSGESIR.C	1642.878	0.00221	3	1	36.6	0
P12163_1_S1,23099	K.AFDLMLSGESIR.C	1642.878	0.0023	2	1	33.9	0
P12163_1_F7,13530	K.ECPHCHSEESNM*CDI	2494.052	0.00045	4	1	23.7	0
P12163_1_F7,13538	K.ECPHCHSEESNMCDLI	2478.057	0.00955	3	1	21.9	0
P12163_2_F4,13095	K.ECPHCHSEESNMCDLI	2478.057	0.0037	3	1	39.5	0
P12163_2_F1,13328	K.EMEIEK.S ! K.EMELEK	1386.776	0.00385	3	1	27.1	0
P12163_1_F4,23063	K.FGVTEFVNPK.D	1746.005	0.00698	3	1	45.3	0
P12163_1_F4,23397	K.FGVTEFVNPK.D	1746.005	0.00292	2	1	35.2	0
P12163_2_F1,20600	K.FGVTEFVNPK.D	1746.005	0.00557	3	1	44.9	0
P12163_2_F1,20645	K.FGVTEFVNPK.D	1746.005	0.00968	2	1	37.1	0
P12163_2_F2,27	K.FGVTEFVNPK.D	1746.005	0.00608	3	1	51.4	0
P12163_1_F8,20269	K.FITHAVPFSEINK.A	2111.211	0.00467	3	1	24.3	0
P12163_2_F6,19825	K.FITHAVPFSEINK.A	2111.211	0.0029	3	1	34.6	0
P12163_1_F3,12665	K.GQTPLFPR.I	1219.71	0.00393	3	1	28.3	0
P12163_1_F3,12927	K.GQTPLFPR.I	1219.71	0.00255	3	1	27	0
P12163_1_F3,15952	K.GQTPLFPR.I	1219.71	0.00645	2	1	27	0
P12163_1_F4,13036	K.GQTPLFPR.I	1219.71	0.00441	3	1	28.9	0
P12163_2_F1,11929	K.GQTPLFPR.I	1219.71	0.00453	3	1	31	0
P12163_1_F4,16676	K.INPAAPLDK.V	1546.941	0.00147	3	1	30.4	0
P12163_2_F1,15822	K.INPAAPLDK.V	1546.941	0.00366	3	1	23.5	0
P12163_2_F2,557	K.INPAAPLDK.V	1546.941	0.00282	3	1	30	0
P12163_2_F4,14256	K.INPAAPLDK.V	1546.941	-0.00288	3	1	27.8	0
P12163_1_F9,17168	K.KFGVTEFVNPK.D	2178.305	0.00701	4	1	28	0
P12163_2_F9,16335	K.KFGVTEFVNPK.D	2178.305	0.01394	3	1	32.1	0
P12163_1_F9,14137	K.THPM*NLLNER.T	1544.816	0.00451	3	1	27.7	0
P12163_2_F7,10650	K.THPM*NLLNER.T	1544.816	0.00277	3	1	30.3	0
P12163_2_F7,12673	K.THPM*NLLNER.T	1544.816	0.00136	3	1	37.6	0
P12163_1_F9,14112	K.THPMNLLNER.T	1528.821	0.00562	3	1	26.6	0
P12163_2_F7,12732	K.THPMNLLNER.T	1528.821	0.00688	3	1	49.6	0
P12163_1_F2,9733	R.GVM*INDGQSR.F	1396.716	0.00264	3	1	28.7	0
P12163_1_S1,16414	R.IIGVDLNPSR.F	1387.821	-0.00016	3	1	35.5	0
P12163_1_S1,18149	R.IIGVDLNPSR.F	1387.821	0.00245	3	1	76.3	0
P12163_1_S1,18175	R.IIGVDLNPSR.F	1387.821	0.0042	2	1	24.3	0
P12163_1_F3,15895	R.SDLPSVVEK.Y	1581.931	0.00646	3	1	31.5	0
P12163_1_F4,16302	R.SDLPSVVEK.Y	1581.931	0.0029	2	1	26.4	0
P12163_1_F4,16322	R.SDLPSVVEK.Y	1581.931	0.00475	3	1	31.4	0
P12163_2_F1,15493	R.SDLPSVVEK.Y	1581.931	0.00097	3	1	31.1	0
P12163_2_F1,15505	R.SDLPSVVEK.Y	1581.931	0.00488	2	1	32	0
P12163_1_F4,17675	K.AMMSLPATK.G	1557.895	0.00899	3	1	37.6	0
P12163_2_F1,16826	K.AMMSLPATK.G	1557.895	0.00368	3	1	29.2	0
P12163_2_F1,16830	K.AMMSLPATK.G	1557.895	0.00553	2	1	30.7	0
P12163_1_F2,9982	K.ETELIAR.G	1135.662	0.00382	3	1	23.6	0
P12163_1_F3,10120	K.ETELIAR.G	1135.662	0.00379	3	1	24.6	0
P12163_1_F5,19742	K.IYSGVSEGVTGTPIHV	2978.553	0.00107	4	1	26.4	0
P12163_1_F5,21151	K.IYSGVSEGVTGTPIHV	2978.553	-0.00088	3	1	59.3	0
P12163_2_F8_12070	K.IYSGVSEGVTGTPIHV	2978.553	-0.00163	3	1	39	0

P12163_2_F8_12070	K.IYSGVSEGVTTGTPIHV	2978.553	-0.01201	4	1	34.5	0
P12163_2_F1,16741	K.LEAELAK.A	1381.851	0.00272	3	1	32.1	0
P12163_1_F2,21643	K.M*IAAIDAVR.V	1279.735	0.00289	2	1	29.1	0
P12163_1_F9,11264	R.CPDPEYAEK.M	1716.872	0.00981	2	1	38.7	0
P12163_1_S1,13618	R.GDSVGGVVTTCIVR.N	1622.884	0.00354	3	1	23.6	0
P12163_1_S1,17590	R.GDSVGGVVTTCIVR.N	1622.884	0.00679	2	1	44.2	0
P12163_1_F4,17801	R.GLGSPVFDK.L	1527.899	0.00385	2	1	30.8	0
P12163_2_F1,16948	R.GLGSPVFDK.L	1527.899	0.00673	2	1	38.1	0
P12163_2_F1,16998	R.GLGSPVFDK.L	1527.899	0.00586	3	1	30.1	0
P12163_1_F9,8818	R.HDPCVVPR.A	1283.683	0.00165	3	1	30.3	0
P12163_2_F7,8386	R.HDPCVVPR.A	1283.683	0.00222	3	1	26.8	0
P12163_1_S1,14503	R.SGGIQGGISNGEIIINM*	2023.054	0.00746	3	1	44.6	0
P12163_1_S1,17013	R.SGGIQGGISNGEIIINMR	2007.059	0.00263	3	1	84.4	0
P12163_1_S1,17026	R.SGGIQGGISNGEIIINMR	2007.059	-0.00307	2	1	63	0
P12163_1_F4,12221	R.VAPGAVAK.K	1320.846	0.00489	3	1	23.3	0
P12163_1_F4,23691	R.VAPGAVAK.K	1320.846	0.01347	2	1	25	0
P12163_2_F1,11422	R.VAPGAVAK.K	1320.846	0.00435	3	1	23.3	0
P12163_2_S5,9949	R.VAPGAVAK.K	1320.846	0.00006	3	1	26.4	0
P12163_1_F8,17178	R.VRGDSVGGVVTTCIVR.	1878.053	-0.00217	3	1	44.5	0
P12163_1_F6,15892	R.VTTFGESHGGGVGCIII	2577.249	0.0056	3	1	64.8	0
P12163_1_F6,17012	R.VTTFGESHGGGVGCIII	2577.249	0.00365	3	1	41.2	0
P12163_1_F6,17564	R.VTTFGESHGGGVGCIII	2577.249	0.00125	3	1	35.2	0
P12163_1_F6,18115	R.VTTFGESHGGGVGCIII	2577.249	0.00083	3	1	74.8	0
P12163_1_F6,18161	R.VTTFGESHGGGVGCIII	2577.249	0.00433	2	1	45.9	0
P12163_1_F6,22295	R.VTTFGESHGGGVGCIII	2577.249	0.0038	3	1	41.8	0
P12163_1_F7,17288	R.VTTFGESHGGGVGCIII	2577.249	0.00377	3	1	81.2	0
P12163_1_F8,18122	R.VTTFGESHGGGVGCIII	2577.249	0.00032	3	1	40.4	0
P12163_2_F10,1619	R.VTTFGESHGGGVGCIII	2577.249	0.00164	3	1	66.6	0
P12163_2_S5,16119	R.VTTFGESHGGGVGCIII	2577.249	0.00182	3	1	25.9	0
P12163_2_S5,16730	R.VTTFGESHGGGVGCIII	2577.249	0.00281	3	1	60	0
P12163_2_S5,16751	R.VTTFGESHGGGVGCIII	2577.249	0.00308	4	1	23.2	0
P12163_1_F4,14749	K.ALAENEGLAK.L	1810.017	0.00076	2	1	52.4	0
P12163_1_F7,13078	K.ALAENEGLAK.L	1810.017	0.00399	3	1	46.8	0
P12163_2_F1,13773	K.ALAENEGLAK.L	1810.017	0.00116	2	1	67.3	0
P12163_2_F1,13777	K.ALAENEGLAK.L	1810.017	0.00825	3	1	35.4	0
P12163_2_F4,12763	K.ALAENEGLAK.L	1810.017	0.00399	3	1	42.5	0
P12163_1_F6,15318	K.ALGLQVHAAGYDR.Q	1674.923	0.00366	2	1	34.2	0
P12163_1_F7,14522	K.ALGLQVHAAGYDR.Q	1674.923	0.00254	2	1	32.8	0
P12163_1_F8,15247	K.ALGLQVHAAGYDR.Q	1674.923	0.00992	2	1	31	0
P12163_2_F6,14657	K.ALGLQVHAAGYDR.Q	1674.923	0.00342	3	1	35.2	0
P12163_2_F9,13964	K.ALGLQVHAAGYDR.Q	1674.923	0.00369	3	1	22	0
P12163_2_F9,13969	K.ALGLQVHAAGYDR.Q	1674.923	0.00256	2	1	25	0
P12163_1_F8,18571	K.DGKPVTIELIDAK.T	2311.4	0.00813	4	1	26.2	0
P12163_1_S10,1708	K.DGKPVTIELIDAK.T	2311.4	0.00793	4	1	24.1	0
P12163_2_F6,17915	K.DGKPVTIELIDAK.T	2311.4	0.00348	2	1	25.2	0
P12163_1_F9,14067	K.DHASNPVSEPVAV.-	1625.844	0.00372	2	1	53.2	0
P12163_1_S1,19054	K.DIIIATGSVPFVVK.G	2065.252	0.00111	4	1	34.5	0
P12163_1_S1,19077	K.DIIIATGSVPFVVK.G	2065.252	0.0059	3	1	25	0
P12163_1_S1,21070	K.DIIIATGSVPFVVK.G	2065.252	-0.00322	2	1	44.2	0
P12163_1_S1,21084	K.DIIIATGSVPFVVK.G	2065.252	0.00635	4	1	60.6	0
P12163_1_S1,21093	K.DIIIATGSVPFVVK.G	2065.252	0.0047	3	1	41	0

P12163_2_F1,15823	K.EGFEVSVAK.T	1573.905	0.00642	3	1	28.7	0
P12163_2_F1,15851	K.EGFEVSVAK.T	1573.905	0.00863	2	1	36	0
P12163_2_F1,16525	K.FGTDNIVTAK.D	1673.968	0.00419	3	1	31.4	0
P12163_1_F4,12450	K.GIEVDGK.T	1325.788	0.00784	2	1	32.7	0
P12163_1_F4,13085	K.GIEVDGK.T	1325.788	0.005	3	1	27.7	0
P12163_2_F1,12047	K.GIEVDGK.T	1325.788	0.00806	3	1	31.9	0
P12163_1_F6,16293	K.IDYHTGVFATK.I	1860.048	0.00611	3	1	27.4	0
P12163_2_F6,15594	K.IDYHTGVFATK.I	1860.048	0.00641	3	1	31.8	0
P12163_1_F6,13222	K.TVITSDHALK.L	1693.01	0.00556	3	1	30.4	0
P12163_1_F6,13231	K.TVITSDHALK.L	1693.01	0.00613	2	1	42.2	0
P12163_1_F8,13123	K.TVITSDHALK.L	1693.01	0.00559	2	1	34.1	0
P12163_1_F7,13402	K.VKDHASNPVSEPVAV.	2157.212	0.00707	3	1	28.4	0
P12163_2_F2,8725	R.NNLTNSM*K.A	1545.851	0.00731	2	1	25.5	0
P12163_1_F5,10930	R.NNLTNSMK.A	1529.857	0.01159	2	1	27.4	0
P12163_1_F5,10941	R.NNLTNSMK.A	1529.857	0.01106	3	1	28.1	0
P12163_2_F2,11762	R.NNLTNSMK.A	1529.857	0.00731	3	1	31.3	0
P12163_2_F6,10523	R.QGVADHANNLATK.I	1947.087	0.00275	3	1	30.6	0
P12163_2_F7,9199	R.QGVADHANNLATK.I	1947.087	0.00531	4	1	31.7	0
P12163_2_F7,9976	R.QGVADHANNLATK.I	1947.087	0.00308	3	1	30.4	0
P12163_2_F7,18857	K.ACELGLEVKPWIK.T	2455.451	0.0129	3	1	21.9	0
P12163_2_F7,18892	K.ACELGLEVKPWIK.T	2455.451	0.00951	4	1	22.2	0
P12163_1_F4,14223	K.ATYEAITK.G	1504.883	0.00348	2	1	29.5	0
P12163_1_F4,14225	K.ATYEAITK.G	1504.883	0.00695	3	1	35.7	0
P12163_2_F1,16390	K.GPM*LLGVK.A	1438.891	0.00565	3	1	24	0
P12163_1_F4,19495	K.GPMLLGVK.A	1422.896	0.00937	2	1	33.4	0
P12163_1_F4,19501	K.GPMLLGVK.A	1422.896	0.00907	3	1	38.2	0
P12163_1_F5,18415	K.GPMLLGVK.A	1422.896	0.00418	3	1	28.7	0
P12163_1_F7,17285	K.GPMLLGVK.A	1422.896	0.00562	3	1	29.4	0
P12163_1_F4,20747	K.IIDWETTSPK.Q	1798.021	0.00914	2	1	40	0
P12163_2_F1,20155	K.IIDWETTSPK.Q	1798.021	-0.0068	2	1	29.1	0
P12163_2_F1,21213	K.ILLESAIR.N ! R.ILLES/	1218.772	0.00386	2	1	24.5	0
P12163_1_F4,17461	K.LLNGEVGPK.T	1534.941	0.00706	2	1	32	0
P12163_1_F4,17471	K.LLNGEVGPK.T	1534.941	0.00476	3	1	38.3	0
P12163_1_F5,16162	K.LLNGEVGPK.T	1534.941	0.00746	2	1	37.6	0
P12163_1_F5,16182	K.LLNGEVGPK.T	1534.941	0.00515	3	1	36.2	0
P12163_1_F6,16731	K.LLNGEVGPK.T	1534.941	0.01202	2	1	26.8	0
P12163_1_F7,15384	K.LLNGEVGPK.T	1534.941	0.00192	2	1	31.9	0
P12163_2_F1,16641	K.LLNGEVGPK.T	1534.941	0.00408	2	1	31.7	0
P12163_2_F6,16182	K.QVEIPFKPAR.V	1793.089	0.00682	2	1	25.6	0
P12163_2_F6,16262	K.QVEIPFKPAR.V	1793.089	0.0048	3	1	38.4	0
P12163_2_F7,14980	K.QVEIPFKPAR.V	1793.089	0.00531	3	1	38.2	0
P12163_1_F4,21639	K.SVLPDMFK.A	1544.897	0.01139	2	1	30	0
P12163_1_F4,21647	K.SVLPDMFK.A	1544.897	0.00598	3	1	35.7	0
P12163_2_F1,21192	K.SVLPDMFK.A	1544.897	0.00729	2	1	27	0
P12163_2_F1,21193	K.SVLPDMFK.A	1544.897	0.00763	3	1	35.5	0
P12163_1_F3,12729	K.TSLAPGSGVVTK.Y	1725.037	0.00679	3	1	28.7	0
P12163_1_F3,14623	K.TSLAPGSGVVTK.Y	1725.037	0.00595	2	1	49.3	0
P12163_1_F4,13159	K.TSLAPGSGVVTK.Y	1725.037	0.00391	3	1	40.9	0
P12163_1_F4,13214	K.TSLAPGSGVVTK.Y	1725.037	0.00617	2	1	41.1	0
P12163_1_F4,14929	K.TSLAPGSGVVTK.Y	1725.037	0.00037	2	1	40.9	0
P12163_2_F1,14052	K.TSLAPGSGVVTK.Y	1725.037	0.0052	3	1	54.1	0

P12163_2_F2,14845	K.YLQNSGLQK.Y	1658.969	0.00493	2	1	34.8	0
P12163_1_F8,19122	R.DIWPSSEEVAVHVVQK.	2332.276	-0.00204	3	1	40.7	0
P12163_2_F1,12915	R.NCDEFQVK.S	1647.862	0.00774	2	1	29.1	0
P12163_1_F9,8784	R.VHPLTR.A	1026.636	0.00112	3	1	22.2	0
P12163_1_S10,9421	R.VHPLTR.A	1026.636	0.00382	3	1	24.8	0
P12163_2_F10,8793	R.VHPLTR.A	1026.636	0.00223	3	1	24.3	0
P12163_1_F3,18711	K.ADGFLYCEDVK.V	1924.993	0.00769	2	1	38.9	0
P12163_1_F4,19180	K.ADGFLYCEDVK.V	1924.993	0.00139	2	1	28.8	0
P12163_1_F9,16360	K.ILEHLR.K	1084.678	0.00418	3	1	34.1	0
P12163_1_F9,16587	K.ILEHLR.K	1084.678	0.0037	3	1	31.9	0
P12163_1_F9,16841	K.ILEHLR.K	1084.678	0.0043	3	1	32	0
P12163_1_S10,1633	K.ILEHLR.K	1084.678	0.00661	3	1	23.6	0
P12163_1_S10,1653	K.ILEHLR.K	1084.678	0.00472	3	1	30.3	0
P12163_2_F8_12070	K.ILEHLR.K	1084.678	0.00331	3	1	33.9	0
P12163_2_F9,15567	K.ILEHLR.K	1084.678	0.00424	3	1	30.2	0
P12163_2_F9,15470	K.KADGFLYCEDVK.V	2357.294	0.00894	3	1	53.5	0
P12163_2_F9,15544	K.KADGFLYCEDVK.V	2357.294	0.0026	4	1	31.3	0
P12163_1_S1,18030	K.LGCGAVLVSGNELR.L	1748.963	0.00336	2	1	57.9	0
P12163_1_S1,18038	K.LGCGAVLVSGNELR.L	1748.963	0.00307	3	1	61	0
P12163_1_F8,17801	K.MRPPEYWVEEDGSVS	2517.29	0.01238	3	1	32.7	0
P12163_2_F6,17300	K.MRPPEYWVEEDGSVS	2517.29	0.01787	3	1	37.8	0
P12163_1_F3,26370	K.QALEGLNSIIGYAIK.A	2198.3	0.00502	3	1	62.2	0
P12163_1_F3,20025	K.VQDVMETVEK.R	1785.988	0.00299	2	1	47.2	0
P12163_1_F3,20032	K.VQDVMETVEK.R	1785.988	0.00558	3	1	30.6	0
P12163_1_F4,20579	K.VQDVMETVEK.R	1785.988	0.01003	2	1	37.2	0
P12163_1_F4,20587	K.VQDVMETVEK.R	1785.988	0.01047	3	1	35.2	0
P12163_1_F4,13108	R.AGFDPTK.C	1343.778	0.00216	2	1	30	0
P12163_1_F3,22846	R.DAAVLMVNYIDK.I	1960.103	0.00954	3	1	32.5	0
P12163_1_F3,22858	R.DAAVLMVNYIDK.I	1960.103	-0.00179	2	1	63.4	0
P12163_1_F9,10083	R.HGETFEDNMR.F	1539.716	0.00125	3	1	23.5	0
P12163_1_F7,15157	R.INPDVDPQVHPYVATC	2572.398	0.00216	3	1	39.6	0
P12163_1_F7,15187	R.INPDVDPQVHPYVATC	2572.398	0.0039	4	1	23.8	0
P12163_1_S10,1512	R.INPDVDPQVHPYVATC	2572.398	0.00561	3	1	31	0
P12163_1_S10,1513	R.INPDVDPQVHPYVATC	2572.398	0.00382	4	1	30.6	0
P12163_2_F10,1414	R.INPDVDPQVHPYVATC	2572.398	0.00286	4	1	25.9	0
P12163_2_S5,14433	R.INPDVDPQVHPYVATC	2572.398	0.00492	3	1	39.7	0
P12163_2_S5,14440	R.INPDVDPQVHPYVATC	2572.398	0.00442	4	1	26.8	0
P12163_1_F3,11312	R.NLIDTVR.E	1134.678	0.00356	3	1	39.8	0
P12163_1_F2,19548	R.NLNLIIEPGR.S	1442.863	0.00336	2	1	30.7	0
P12163_1_S1,18387	R.NLNLIIEPGR.S	1442.863	0.00311	3	1	60.6	0
P12163_1_F3,13177	K.AGAPVDETIK.T	1608.942	0.0072	2	1	35.5	0
P12163_1_F4,13686	K.AGAPVDETIK.T	1608.942	0.00898	2	1	39.6	0
P12163_2_F1,12739	K.AGAPVDETIK.T	1608.942	0.00706	2	1	29.7	0
P12163_1_F3,14005	K.GDGYLVDK.V	1474.836	0.0015	2	1	26.7	0
P12163_1_F4,14659	K.GDGYLVDK.V	1474.836	0.00769	2	1	32.2	0
P12163_1_F2,21690	K.ICSYAQGM*NLIR.A ! H	1745.898	0.00184	3	1	32.9	0
P12163_2_F1,18407	K.ICSYAQGM*NLIR.A ! H	1745.898	0.00632	2	1	25.6	0
P12163_1_F4,13715	K.SGGFGVQSNQAVDK.C	2002.081	0.00518	3	1	50.4	0
P12163_1_F4,13745	K.SGGFGVQSNQAVDK.C	2002.081	0.00627	2	1	60.1	0
P12163_2_F1,12725	K.SGGFGVQSNQAVDK.C	2002.081	0.00536	3	1	36.9	0
P12163_1_F2,11377	K.VDETVER.A	1151.621	0.00302	2	1	36.2	0

P12163_1_S1,11539	K.VDETVER.A	1151.621	0.00298	2	1	36.6	0
P12163_1_S1,11872	K.VDETVER.A	1151.621	0.00194	2	1	25.9	0
P12163_1_F4,25394	K.YIEDILLK.V	1614.993	0.00873	2	1	44.9	0
P12163_2_F9,21440	K.YIEDILLK.V	1614.993	0.0074	3	1	24.3	0
P12163_1_F3,16741	R.AVFLDR.I	1024.609	0.00173	2	1	26.8	0
P12163_1_F6,13291	R.DYFGAHTYER.I ! R.DY	1562.754	0.00126	3	1	24.2	0
P12163_2_S3,12278	R.DYFGAHTYER.I ! R.DY	1562.754	0.00015	3	1	28.6	0
P12163_1_F2,15655	R.LIDDVR.Q ! K.LIDDVR	1034.615	0.00216	2	1	26.7	0
P12163_1_F3,16355	R.LIDDVR.Q ! K.LIDDVR	1034.615	0.0016	2	1	36.5	0
P12163_1_S1,14090	R.LIDDVR.Q ! K.LIDDVR	1034.615	0.00218	2	1	35.5	0
P12163_1_F2,16574	R.LPANLVQAQR.D	1413.848	0.00372	3	1	22.9	0
P12163_1_F2,16815	R.LPANLVQAQR.D	1413.848	0.00343	2	1	25.5	0
P12163_1_S1,15559	R.LPANLVQAQR.D	1413.848	0.00063	3	1	53.7	0
P12163_1_F2,23614	R.NADLANLLVDPEFAK.	2238.259	0.00578	3	1	34	0
P12163_1_F5,11592	R.QALYASK.I	1388.836	0.00874	2	1	30.2	0
P12163_1_F5,11663	R.QALYASK.I	1388.836	0.00755	3	1	33.6	0
P12163_1_F6,12559	R.QALYASK.I	1388.836	0.00528	2	1	26.3	0
P12163_1_S10,1296	R.QALYASK.I	1388.836	0.00581	3	1	26.6	0
P12163_2_F2,12380	R.QALYASK.I	1388.836	0.00652	2	1	29.9	0
P12163_2_F2,12384	R.QALYASK.I	1388.836	0.00686	3	1	30	0
P12163_2_F8_1207	R.QALYASK.I	1388.836	0.00676	2	1	30.4	0
P12163_1_F4,25764	R.VIIM*LVK.A	1439.948	0.0088	3	1	28.5	0
P12163_1_S1,15042	K.DEISDALER.I	1351.701	0.00534	2	1	25.2	0
P12163_1_F3,17256	K.GCLLVGPPGTGK.T	1764.03	0.00195	2	1	28.7	0
P12163_1_F4,17640	K.GCLLVGPPGTGK.T	1764.03	0.00515	2	1	45.8	0
P12163_1_F4,17662	K.GCLLVGPPGTGK.T	1764.03	0.00624	3	1	27.7	0
P12163_2_F1,16896	K.GCLLVGPPGTGK.T	1764.03	0.00828	3	1	32	0
P12163_1_S1,20069	K.IGQVAIGGPGGNPFLG	2879.566	0.012	3	1	51.6	0
P12163_1_F9,12604	K.ILQVHSR.G	1156.71	0.00203	3	1	32.5	0
P12163_2_F9,11575	K.ILQVHSR.G	1156.71	-0.00421	3	1	40.1	0
P12163_1_F3,27480	K.LELQEVVDFLK.N	1941.152	0.0015	3	1	39.3	0
P12163_2_F1,9927	K.NAVVSDEK.K	1469.842	0.00658	2	1	25	0
P12163_1_F8,18265	K.QIITTHIDILHK.L	2040.243	0.0038	4	1	27.5	0
P12163_1_F8,18304	K.QIITTHIDILHK.L	2040.243	0.00283	3	1	46.9	0
P12163_2_F10,1602	K.QIITTHIDILHK.L	2040.243	0.00456	4	1	40.4	0
P12163_2_F10,1603	K.QIITTHIDILHK.L	2040.243	0.00766	3	1	53.8	0
P12163_1_F5,13008	K.YTALGAK.I	1331.814	0.00923	3	1	30.8	0
P12163_2_F2,13797	K.YTALGAK.I	1331.814	0.00494	2	1	24.1	0
P12163_1_F4,8230	R.GAGLGGGNDER.E	1306.665	0.00356	2	1	31.7	0
P12163_2_F1,7385	R.GAGLGGGNDER.E	1306.665	0.00236	2	1	63	0
P12163_1_S1,18984	R.GQAGGLTFFAPSEER.I	1870.96	0.00443	2	1	48	0
P12163_1_S1,18995	R.GQAGGLTFFAPSEER.I	1870.96	0.00269	3	1	51.4	0
P12163_1_F4,25052	R.IAQLIIEK.I ! K.LAQLLI	1535.998	0.00487	2	1	38.3	0
P12163_1_F7,21957	R.IAQLIIEK.I ! K.LAQLLI	1535.998	-0.00369	3	1	25.3	0
P12163_2_F1,24351	R.IAQLIIEK.I ! K.LAQLLI	1535.998	0.00369	3	1	23.7	0
P12163_2_S5,20984	R.IAQLIIEK.I ! K.LAQLLI	1535.998	-0.00207	3	1	23.4	0
P12163_1_F3,12982	R.LESGLYSR.S	1228.684	0.00579	3	1	44.4	0
P12163_1_F3,13603	R.LESGLYSR.S	1228.684	0.00105	3	1	27.4	0
P12163_1_F5,20861	R.YSEFLNAVK.K	1678.962	0.0084	2	1	39.4	0
P12163_1_F5,20900	R.YSEFLNAVK.K	1678.962	0.00719	3	1	30.1	0
P12163_2_F1,21654	R.YSEFLNAVK.K	1678.962	0.00356	3	1	29.6	0

P12163_2_F1,21670	R.YSEFLNAVK.K	1678.962	0.0051	2	1	41.5	0
P12163_2_F8_12070	R.YSEFLNAVK.K	1678.962	0.00695	3	1	30.5	0
P12163_2_F8_12070	R.YSEFLNAVK.K	1678.962	0.0076	2	1	38.4	0
P12163_1_S1,18313	K.DAGHAGLNVAR.I	1473.869	-0.00134	3	1	36.6	0
P12163_1_F8,19621	K.DAVVTVPAYFNDAQR	1970.028	0.00381	2	1	27.9	0
P12163_1_F8,19642	K.DAVVTVPAYFNDAQR	1970.028	0.00685	3	1	24.6	0
P12163_1_F4,14436	K.EAEFEAEEDK.K ! R.EA	1804.906	0.01389	2	1	36.7	0
P12163_1_F8,20884	K.IKDAVVTVPAYFNDAQ	2515.413	0.00714	3	1	49.6	0
P12163_1_F8,10737	K.NGHVEIANDQGNR.I	1840.957	0.00627	2	1	31.5	0
P12163_1_F8,10748	K.NGHVEIANDQGNR.I	1840.957	0.00406	3	1	38.4	0
P12163_2_F6,10562	K.NGHVEIANDQGNR.I	1840.957	-0.00023	2	1	43.6	0
P12163_2_F6,10567	K.NGHVEIANDQGNR.I	1840.957	0.0025	3	1	41.9	0
P12163_1_F3,7073	K.NQAAVNPDR.T	1288.691	0.00488	2	1	24.5	0
P12163_1_F4,7589	K.NQAAVNPDR.T	1288.691	0.00522	2	1	38.8	0
P12163_1_S1,17260	K.NQIDEIVLVGGSTR.I	1805.007	0.00272	3	1	27.1	0
P12163_1_S1,18597	K.NQIDEIVLVGGSTR.I	1805.007	0.00846	2	1	42.7	0
P12163_1_S1,18608	K.NQIDEIVLVGGSTR.I	1805.007	0.00401	3	1	47.7	0
P12163_1_S1,23276	K.VFSPEEISAM*ILTK.M	2189.235	0.00731	3	1	33.2	0
P12163_1_F2,22404	R.IINEPTAAAIAAYGLDK.I	2268.306	0.00735	3	1	45.2	0
P12163_1_F4,23908	R.IINEPTAAAIAAYGLDK.I	2268.306	0.00405	3	1	59.2	0
P12163_1_F5,22034	R.IINEPTAAAIAAYGLDK.I	2268.306	0.00048	3	1	35.6	0
P12163_1_F8,22408	R.IINEPTAAAIAAYGLDK.I	2268.306	0.00681	3	1	49.7	0
P12163_1_S1,21321	R.IINEPTAAAIAAYGLDK.I	2268.306	0.00492	3	1	53.3	0
P12163_1_S1,21346	R.IINEPTAAAIAAYGLDK.I	2268.306	-0.00297	2	1	75.2	0
P12163_1_S1,21375	R.IINEPTAAAIAAYGLDK.I	2268.306	0.00752	4	1	61	0
P12163_1_S1,21490	R.IINEPTAAAIAAYGLDK.I	2268.306	0.0003	3	1	54.8	0
P12163_1_S10,20391	R.IINEPTAAAIAAYGLDK.I	2268.306	0.00414	3	1	22.1	0
P12163_1_S1,21055	R.ITPSWVAFTDSER.L	1812.943	0.00584	2	1	42.6	0
P12163_1_F2,12006	R.LSQEEIDR.M	1293.695	0.00416	2	1	24.6	0
P12163_1_F4,21105	R.NSLETYVYNMK.N	1970.051	0.01024	2	1	55.2	0
P12163_1_F4,21150	R.NSLETYVYNMK.N	1970.051	0.00769	3	1	48	0
P12163_2_F1,20530	R.NSLETYVYNMK.N	1970.051	0.00736	3	1	27.6	0
P12163_1_F5,17500	R.TIFDVK.R	1330.819	0.00764	2	1	32.9	0
P12163_1_F5,17524	R.TIFDVK.R	1330.819	0.0059	3	1	23.8	0
P12163_2_F1,18011	R.TIFDVK.R	1330.819	0.0053	2	1	32.5	0
P12163_1_S1,18313	K.DAGHAGLNVAR.I	1473.869	-0.00134	3	1	36.6	0
P12163_1_F8,19621	K.DAVVTVPAYFNDAQR	1970.028	0.00381	2	1	27.9	0
P12163_1_F8,19642	K.DAVVTVPAYFNDAQR	1970.028	0.00685	3	1	24.6	0
P12163_1_F4,14436	K.EAEFEAEEDK.K ! R.EA	1804.906	0.01389	2	1	36.7	0
P12163_1_F3,16392	K.EVEAVCNPVIK.Q ! K.E	1866.061	0.00588	2	1	57.4	0
P12163_2_F4,16465	K.GINPDEAVAHGAAVQ	3257.686	0.00307	4	1	35.6	0
P12163_1_F8,20884	K.IKDAVVTVPAYFNDAQ	2515.413	0.00714	3	1	49.6	0
P12163_1_F4,9045	K.NQAALNAER.T	1290.707	0.00553	2	1	34.9	0
P12163_1_F4,26680	R.FEELNM*DLFK.K	1910.019	0.00144	3	1	34.7	0
P12163_1_F3,25837	R.FEELNMDLDFK.K	1894.024	0.0085	2	1	63.3	0
P12163_1_F2,22404	R.IINEPTAAAIAAYGLDK.I	2268.306	0.00735	3	1	45.2	0
P12163_1_F4,23908	R.IINEPTAAAIAAYGLDK.I	2268.306	0.00405	3	1	59.2	0
P12163_1_F5,22034	R.IINEPTAAAIAAYGLDK.I	2268.306	0.00048	3	1	35.6	0
P12163_1_F8,22408	R.IINEPTAAAIAAYGLDK.I	2268.306	0.00681	3	1	49.7	0
P12163_1_S1,21321	R.IINEPTAAAIAAYGLDK.I	2268.306	0.00492	3	1	53.3	0
P12163_1_S1,21346	R.IINEPTAAAIAAYGLDK.I	2268.306	-0.00297	2	1	75.2	0

P12163_1_S1,21375	R.IINEPTAAAIAAYGLDK.I	2268.306	0.00752	4	1	61	0
P12163_1_S1,21490	R.IINEPTAAAIAAYGLDK.I	2268.306	0.0003	3	1	54.8	0
P12163_1_S10,2039	R.IINEPTAAAIAAYGLDK.I	2268.306	0.00414	3	1	22.1	0
P12163_1_F2,12006	R.LSQEEDR.M	1293.695	0.00416	2	1	24.6	0
P12163_1_F5,17500	R.TIFDVK.R	1330.819	0.00764	2	1	32.9	0
P12163_1_F5,17524	R.TIFDVK.R	1330.819	0.0059	3	1	23.8	0
P12163_2_F1,18011	R.TIFDVK.R	1330.819	0.0053	2	1	32.5	0
P12163_1_S1,14498	R.VEIIANDQGNR.I ! R.VI	1532.833	0.00335	2	1	30.8	0
P12163_1_S1,14657	R.VEIIANDQGNR.I ! R.VI	1532.833	0.00328	3	1	71.6	0
P12163_1_S1,14739	R.VEIIANDQGNR.I ! R.VI	1532.833	0.00397	2	1	33.7	0
P12163_1_S1,14901	R.VEIIANDQGNR.I ! R.VI	1532.833	0.00187	3	1	69.2	0
P12163_1_S1,14978	R.VEIIANDQGNR.I ! R.VI	1532.833	0.00507	2	1	32	0
P12163_1_S10,199	R.VEIIANDQGNR.I ! R.VI	1532.833	0.00184	3	1	35.4	0
P12163_1_S10,276	R.VEIIANDQGNR.I ! R.VI	1532.833	0.00555	2	1	29.8	0
P12163_2_F1,23795	R.VMDYFIK.L	1523.875	0.00386	2	1	28.9	0
P12163_1_F4,11054	K.ADISDEEQK.E	1642.874	0.01221	2	1	32.6	0
P12163_2_F1,21230	K.FLGDFK.Q	1334.793	0.00561	3	1	22.6	0
P12163_1_F3,20467	K.GLIAAEYAGVEVK.L	1928.131	0.00123	3	1	63.4	0
P12163_1_F3,20487	K.GLIAAEYAGVEVK.L	1928.131	0.00013	2	1	78.1	0
P12163_1_F4,21140	K.GLIAAEYAGVEVK.L	1928.131	0.00321	3	1	58.4	0
P12163_1_F4,21152	K.GLIAAEYAGVEVK.L	1928.131	0.00717	2	1	51	0
P12163_1_F4,20495	K.LAENFEM*GVTNK.S	1977.057	0.009	3	1	33.4	0
P12163_1_F3,19921	K.LAENFEMGVTNK.S	1961.062	0.00411	2	1	36.1	0
P12163_1_F4,20436	K.LAENFEMGVTNK.S	1961.062	0.00221	2	1	44.8	0
P12163_1_F4,20439	K.LAENFEMGVTNK.S	1961.062	0.00705	3	1	45.1	0
P12163_2_F1,19871	K.LAENFEMGVTNK.S	1961.062	0.00405	3	1	47.4	0
P12163_2_F1,19883	K.LAENFEMGVTNK.S	1961.062	0.00581	2	1	31.1	0
P12163_2_F1,21454	K.MILDDWK.R	1528.865	0.01014	2	1	26.1	0
P12163_2_F1,21458	K.MILDDWK.R	1528.865	0.00805	3	1	25.7	0
P12163_2_F1,21093	K.MLIIGNEPPYK.V	1883.092	0.00388	3	1	28.8	0
P12163_1_F3,21246	K.NPLDLLPPSK.M	1702.036	0.00514	3	1	25.6	0
P12163_1_F3,21281	K.NPLDLLPPSK.M	1702.036	0.00288	2	1	36.8	0
P12163_1_F3,21436	K.NPLDLLPPSK.M	1702.036	0.00334	3	1	23.4	0
P12163_1_F6,20343	K.NPLDLLPPSK.M	1702.036	-0.00173	3	1	32.9	0
P12163_1_F3,12021	K.QAESVPAVQSAK.K	1823.048	0.00208	2	1	39.1	0
P12163_1_F3,12026	K.QAESVPAVQSAK.K	1823.048	0.00395	3	1	25.3	0
P12163_2_F1,11743	K.QAESVPAVQSAK.K	1823.048	0.00443	3	1	46.2	0
P12163_1_F5,14610	K.SPEFLK.M	1328.803	0.00547	3	1	24.8	0
P12163_1_F6,16754	K.TFTSEFPHER.Y	1653.854	0.00101	3	1	30.3	0
P12163_2_F6,16027	K.TFTSEFPHER.Y	1653.854	0.00041	3	1	34.8	0
P12163_2_F6,16050	K.TFTSEFPHER.Y	1653.854	-0.0015	2	1	24	0
P12163_1_F3,19567	K.YNDENTVSFVTLNK.V	2252.202	0.00169	2	1	34.6	0
P12163_1_F7,20744	R.VNQMIEDHEPFEAL	2893.486	0.00439	4	1	28	0
P12163_1_F5,19957	R.YFWTVANQPK.I	1862.042	-0.00231	3	1	23.8	0
P12163_2_F1,20540	R.YFWTVANQPK.I	1862.042	0.0024	3	1	25.2	0
P12163_2_F1,20556	R.YFWTVANQPK.I	1862.042	0.01639	2	1	32.4	0
P12163_2_F4,19551	K.EPATEFVSFTNSFHGR.	2130.056	0.00117	3	1	68.1	0
P12163_1_F5,11097	K.EVMEAEK.K	1443.797	0.01248	2	1	37.8	0
P12163_1_F4,20884	K.ISNPAFLASVSK.K	1842.094	0.0059	3	1	35.9	0
P12163_1_F4,20901	K.ISNPAFLASVSK.K	1842.094	0.00438	2	1	52.6	0
P12163_1_F6,19335	K.ISNPAFLASVSK.K	1842.094	-0.00202	3	1	28.6	0

P12163_2_F1,20386	K.ISNPAFLASVSK.K	1842.094	0.0035	3	1	36.3	0
P12163_2_F1,20400	K.ISNPAFLASVSK.K	1842.094	0.00274	2	1	52.1	0
P12163_1_F3,13583	K.LLVGTYNR.A	1239.736	0.00381	3	1	28.3	0
P12163_1_F9,13981	K.RLVACSFADR.V	1498.81	0.0108	3	1	34.4	0
P12163_1_F8,20816	K.TAAVFVEPIQGEGGIY:	2646.46	0.01175	3	1	70.3	0
P12163_1_S1,19396	K.TAAVFVEPIQGEGGIY:	2646.46	0.00659	3	1	73	0
P12163_1_F3,15323	R.APVVLASGK.G	1449.925	0.00884	3	1	39.4	0
P12163_1_F3,15325	R.APVVLASGK.G	1449.925	0.00709	2	1	34.8	0
P12163_1_F4,13836	R.APVVLASGK.G	1449.925	0.00374	3	1	28.9	0
P12163_1_F6,14577	R.APVVLASGK.G	1449.925	0.00089	3	1	24.4	0
P12163_2_F1,14543	R.APVVLASGK.G	1449.925	0.00206	3	1	40.8	0
P12163_2_F1,14560	R.APVVLASGK.G	1449.925	0.00485	2	1	51.9	0
P12163_2_F4,13484	R.APVVLASGK.G	1449.925	0.00071	2	1	40.1	0
P12163_1_F3,17646	R.DSGLLVLTAGK.G	1682.031	0.00294	2	1	27.4	0
P12163_1_F3,17651	R.DSGLLVLTAGK.G	1682.031	0.0167	3	1	22.9	0
P12163_1_F4,7649	R.GSAGGLGR.N	978.5634	0.00208	2	1	26	0
P12163_1_F5,4773	R.HSNPDSK.E	1392.769	0.00432	3	1	44.9	0
P12163_1_S10,6502	R.HSNPDSK.E	1392.769	0.00606	3	1	30.6	0
P12163_2_F8_12070	R.HSNPDSK.E	1392.769	0.00522	3	1	27.9	0
P12163_1_F2,12978	R.LVACSFADR.V	1342.709	0.00279	3	1	27.6	0
P12163_1_F2,17012	R.LVACSFADR.V	1342.709	0.003	2	1	23.9	0
P12163_1_F4,18608	R.TMGALALTSK.E	1600.955	0.00453	2	1	33.6	0
P12163_2_F1,17818	R.TMGALALTSK.E	1600.955	0.00581	2	1	45.8	0
P12163_1_F3,17497	R.VFFSNTGTEANEAAIK	2307.244	0.00428	3	1	40.8	0
P12163_1_F3,19503	R.VFFSNTGTEANEAAIK	2307.244	0.00364	2	1	92.5	0
P12163_1_F2,18312	K.AVVQVFEGTSGIDNK..	2172.212	0.01053	3	1	31.4	0
P12163_1_F2,18385	K.AVVQVFEGTSGIDNK..	2172.212	0.00568	4	1	33	0
P12163_1_F2,18417	K.AVVQVFEGTSGIDNK..	2172.212	0.00754	2	1	47.8	0
P12163_1_F2,19221	K.AVVQVFEGTSGIDNK..	2172.212	0.00705	3	1	36.4	0
P12163_1_F2,20517	K.AVVQVFEGTSGIDNK..	2172.212	0.0195	3	1	41.2	0
P12163_1_F2,20565	K.AVVQVFEGTSGIDNK..	2172.212	0.01647	2	1	60.1	0
P12163_1_F2,21336	K.AVVQVFEGTSGIDNK..	2172.212	0.01338	3	1	42.3	0
P12163_1_F3,20125	K.FTTVQFTGEVLK.T	1978.147	0.00738	3	1	24.5	0
P12163_1_F3,22090	K.FTTVQFTGEVLK.T	1978.147	0.00867	3	1	38.6	0
P12163_1_F2,13893	K.FVAQGAYDSR.N	1417.738	0.00619	2	1	46.2	0
P12163_1_F3,9099	K.SAIGEGMTR.R	1225.651	0.00714	3	1	23	0
P12163_1_F3,9725	K.SAIGEGMTR.R	1225.651	0.00453	3	1	32.1	0
P12163_2_F1,10870	K.SAIGEGMTR.R	1225.651	0.00276	2	1	24	0
P12163_1_F3,10155	K.TLDQYYSR.D	1349.7	0.00407	3	1	22.1	0
P12163_1_S1,16046	K.TPVSLDMLGR.I	1392.782	0.00817	3	1	22.7	0
P12163_1_F2,11471	R.DFEENGSMER.V	1517.684	0.00272	2	1	54.8	0
P12163_1_F8,16261	R.DHSDVSNQLYANYAIC	2503.304	0.00812	3	1	52.5	0
P12163_1_F8,16288	R.DHSDVSNQLYANYAIC	2503.304	0.01023	4	1	37.1	0
P12163_1_F4,14919	R.GQVLEVDGEK.A	1681.958	0.00745	2	1	52.7	0
P12163_1_F4,14938	R.GQVLEVDGEK.A	1681.958	0.00954	3	1	47.4	0
P12163_1_F3,18687	R.IALTTAEYLAYECGK.I	2311.246	0.0076	3	1	22	0
P12163_1_F3,24102	R.IALTTAEYLAYECGK.I	2311.246	0.01858	3	1	35.1	0
P12163_1_F6,15361	R.RDHSVSNQLYANYA	2659.405	0.00858	3	1	38.9	0
P12163_1_F9,12081	R.RGQVLEVDGEK.A	1838.059	0.00675	2	1	31.1	0
P12163_2_F9,11305	R.RGQVLEVDGEK.A	1838.059	0.00493	3	1	31.6	0
P12163_1_F2,22817	R.TVTGVAGPLVILDK.V	1991.236	0.00611	3	1	47.7	0

P12163_1_S1,19370	R.TVTGVAGPLVILDK.V	1991.236	0.00689	3	1	32.7	0
P12163_1_S1,19402	R.TVTGVAGPLVILDK.V	1991.236	0.00615	4	1	31.2	0
P12163_1_S1,21273	R.TVTGVAGPLVILDK.V	1991.236	0.01085	3	1	44.4	0
P12163_1_S1,21443	R.TVTGVAGPLVILDK.V	1991.236	0.01322	3	1	61.3	0
P12163_1_F5,11905	K.AFEEAEK.N	1431.794	0.00409	3	1	31.8	0
P12163_1_F5,11910	K.AFEEAEK.N	1431.794	0.00981	2	1	29.1	0
P12163_2_F1,12320	K.AFEEAEK.N	1431.794	0.01127	2	1	28.5	0
P12163_2_F2,12698	K.AFEEAEK.N	1431.794	0.00903	2	1	28.5	0
P12163_1_F3,18218	K.AIANECQANFISVK.G	2173.19	0.00723	2	1	59.3	0
P12163_2_F9,13423	K.AVHFEESMK.Y	1685.914	0.00822	3	1	27.3	0
P12163_1_F4,19515	K.GILLYGPPGSGK.T	1767.062	0.01203	2	1	48.2	0
P12163_1_F4,19533	K.GILLYGPPGSGK.T	1767.062	0.00928	3	1	43.5	0
P12163_2_F1,18888	K.GILLYGPPGSGK.T	1767.062	0.00757	3	1	41.5	0
P12163_2_F1,18927	K.GILLYGPPGSGK.T	1767.062	0.00739	2	1	40.6	0
P12163_1_F9,18079	K.GVLFYGPFGCGK.T ! R	1860.03	0.00453	2	1	34.8	0
P12163_1_F9,18101	K.GVLFYGPFGCGK.T ! R	1860.03	0.00489	3	1	41	0
P12163_2_F1,18690	K.GVLFYGPFGCGK.T ! R	1860.03	0.00531	3	1	24.8	0
P12163_2_F1,18750	K.GVLFYGPFGCGK.T ! R	1860.03	-0.00101	2	1	39.1	0
P12163_1_F3,12437	K.LAGESESNLR.K	1379.743	0.00456	2	1	26.6	0
P12163_2_F1,11960	K.LAGESESNLR.K	1379.743	0.0015	2	1	24.3	0
P12163_1_S1,25017	K.NAPSIIFIDEIDSIAPK.R	2451.395	0.01195	3	1	33.2	0
P12163_1_S1,17762	R.DFSTAILER.K	1355.747	0.00383	2	1	39.4	0
P12163_1_F7,14558	R.EDENRLDEVGYYDDVG	2341.121	0.00468	3	1	27.4	0
P12163_2_S5,14587	R.EDENRLDEVGYYDDVG	2341.121	0.00567	3	1	34.1	0
P12163_1_F7,14823	R.ELQETVQYPVEHPEK.I	2434.307	0.01214	3	1	48.7	0
P12163_2_F10,1428	R.ELQETVQYPVEHPEK.I	2434.307	0.00254	3	1	34	0
P12163_2_S5,14529	R.ELQETVQYPVEHPEK.I	2434.307	0.00521	3	1	61.8	0
P12163_2_S5,14556	R.ELQETVQYPVEHPEK.I	2434.307	0.0074	4	1	40.7	0
P12163_1_S1,19169	R.ELVELPLR.H	1272.783	0.00465	2	1	27.7	0
P12163_1_S1,19177	R.ELVELPLR.H	1272.783	0.00577	3	1	41	0
P12163_1_F2,7128	R.GSSVGDAGGAADR.V	1423.708	0.0022	2	1	36.2	0
P12163_1_F2,7309	R.SVSDADIR.K	1166.632	0.00323	2	1	24.8	0
P12163_1_F5,11905	K.AFEEAEK.N	1431.794	0.00409	3	1	31.8	0
P12163_1_F5,11910	K.AFEEAEK.N	1431.794	0.00981	2	1	29.1	0
P12163_2_F1,12320	K.AFEEAEK.N	1431.794	0.01127	2	1	28.5	0
P12163_2_F2,12698	K.AFEEAEK.N	1431.794	0.00903	2	1	28.5	0
P12163_1_F3,18218	K.AIANECQANFISVK.G	2173.19	0.00723	2	1	59.3	0
P12163_2_F9,13423	K.AVHFEESMK.Y	1685.914	0.00822	3	1	27.3	0
P12163_1_F4,19515	K.GILLYGPPGSGK.T	1767.062	0.01203	2	1	48.2	0
P12163_1_F4,19533	K.GILLYGPPGSGK.T	1767.062	0.00928	3	1	43.5	0
P12163_2_F1,18888	K.GILLYGPPGSGK.T	1767.062	0.00757	3	1	41.5	0
P12163_2_F1,18927	K.GILLYGPPGSGK.T	1767.062	0.00739	2	1	40.6	0
P12163_1_F9,18079	K.GVLFYGPFGCGK.T ! R	1860.03	0.00453	2	1	34.8	0
P12163_1_F9,18101	K.GVLFYGPFGCGK.T ! R	1860.03	0.00489	3	1	41	0
P12163_2_F1,18690	K.GVLFYGPFGCGK.T ! R	1860.03	0.00531	3	1	24.8	0
P12163_2_F1,18750	K.GVLFYGPFGCGK.T ! R	1860.03	-0.00101	2	1	39.1	0
P12163_1_S1,16319	K.LAEDVDLER.V	1363.737	0.00563	2	1	30.9	0
P12163_1_F3,12437	K.LAGESESNLR.K	1379.743	0.00456	2	1	26.6	0
P12163_2_F1,11960	K.LAGESESNLR.K	1379.743	0.0015	2	1	24.3	0
P12163_1_S1,25017	K.NAPSIIFIDEIDSIAPK.R	2451.395	0.01195	3	1	33.2	0
P12163_1_F7,14823	R.ELQETVQYPVEHPEK.I	2434.307	0.01214	3	1	48.7	0

P12163_2_F10,1428.R.ELQETVQYPVEHPEK.I	2434.307	0.00254	3	1	34	0
P12163_2_S5,14529 R.ELQETVQYPVEHPEK.I	2434.307	0.00521	3	1	61.8	0
P12163_2_S5,14556 R.ELQETVQYPVEHPEK.I	2434.307	0.0074	4	1	40.7	0
P12163_1_S1,19169 R.ELVELPLR.H	1272.783	0.00465	2	1	27.7	0
P12163_1_S1,19177 R.ELVELPLR.H	1272.783	0.00577	3	1	41	0
P12163_1_F2,4022 R.GSSTGDAGGAADR.V	1425.687	0.00279	3	1	36.5	0
P12163_1_F7,16796 R.LGDVVSVHPCPDVK.Y	2130.184	0.01355	3	1	22.1	0
P12163_1_F2,7309 R.SVSDADIR.K	1166.632	0.00323	2	1	24.8	0
P12163_2_F2,18259 K.ALAYSCLS.-	1188.624	0.00264	2	1	29.1	0
P12163_1_F7,11037 K.AQASALEQHAAPNCK	2204.17	0.01173	3	1	26.7	0
P12163_1_F7,11112 K.AQASALEQHAAPNCK	2204.17	0.00314	4	1	32	0
P12163_1_F8,8609 K.AQASALEQHAAPNCK	2204.17	0.00381	3	1	29.6	0
P12163_1_F8,11415 K.AQASALEQHAAPNCK	2204.17	0.00699	3	1	47.1	0
P12163_2_F6,11204 K.AQASALEQHAAPNCK	2204.17	0.00387	3	1	42.8	0
P12163_2_F6,11206 K.AQASALEQHAAPNCK	2204.17	-0.00222	4	1	44.4	0
P12163_2_F1,16608 K.EFAPSIPAK.N	1567.93	0.00525	3	1	31	0
P12163_1_F9,17750 K.KLDLTAEEELSEEK.A	2417.39	0.01192	4	1	33.3	0
P12163_1_F3,20345 K.LDLTAEEELSEEK.A	1985.09	0.01011	3	1	44.1	0
P12163_2_F1,16015 K.LNVQVSDVK.N	1609.973	0.0059	3	1	50.7	0
P12163_1_F7,18082 K.LSSALSAASSACDHIR.	1950.002	0.00228	3	1	41.8	0
P12163_1_F8,18897 K.LSSALSAASSACDHIR.	1950.002	0.00408	3	1	50.2	0
P12163_2_F6,18506 K.LSSALSAASSACDHIR.	1950.002	0.00372	3	1	39.5	0
P12163_1_F3,25488 K.M*ELVDAAFPLIK.G	1971.144	0.00617	3	1	43.6	0
P12163_1_F3,26303 K.M*ELVDAAFPLIK.G	1971.144	0.00453	3	1	36.1	0
P12163_1_F3,27688 K.M*ELVDAAFPLIK.G	1971.144	0.00369	3	1	32.4	0
P12163_1_F3,28312 K.M*ELVDAAFPLIK.G	1971.144	0.00113	3	1	39.5	0
P12163_1_F3,27646 K.MELVDAAFPLIK.G	1955.15	0.00963	3	1	41.4	0
P12163_1_F3,27807 K.MELVDAAFPLIK.G	1955.15	0.00666	3	1	24.2	0
P12163_1_F3,11295 K.NITCLTR.L	1181.661	0.00371	3	1	32.1	0
P12163_1_F5,12575 K.NVSIYK.A	1331.814	0.00794	3	1	23.9	0
P12163_1_S1,19406 K.VLVVANPANTNALILK	2258.406	-0.00189	4	1	29.3	0
P12163_1_S1,21147 K.VLVVANPANTNALILK	2258.406	0.00795	3	1	54.2	0
P12163_1_S1,21159 K.VLVVANPANTNALILK	2258.406	0.00171	4	1	43	0
P12163_2_F1,14054 R.ALGQISEK.L	1453.883	0.00604	2	1	33	0
P12163_2_F2,12791 R.GAAIHK.A ! R.GAALLK	1180.787	0.00564	3	1	22.1	0
P12163_1_F4,15009 K.AMGADNVDDIK.S	1756.936	0.01022	2	1	60.4	0
P12163_1_F8,20707 K.AVITVPAYFNDAQR.Q	1869.017	0.00056	2	1	31.5	0
P12163_2_F1,15399 K.EMQMVSYSK.I	1623.869	0.00025	2	1	27	0
P12163_1_F3,8383 K.EQQITIR.S	1191.7	0.00356	3	1	24.8	0
P12163_1_F3,17016 K.GELLVGTPAK.R	1592.983	0.00941	2	1	42.5	0
P12163_1_F4,17488 K.GELLVGTPAK.R	1592.983	0.00575	3	1	28.6	0
P12163_1_F4,17507 K.GELLVGTPAK.R	1592.983	0.00799	2	1	42.1	0
P12163_2_F1,16651 K.GELLVGTPAK.R	1592.983	0.00332	3	1	30.6	0
P12163_2_F1,16659 K.GELLVGTPAK.R	1592.983	0.00395	2	1	45.1	0
P12163_1_F9,13121 K.HLNITLTR.S	1271.774	-0.00064	3	1	23	0
P12163_1_F9,14538 K.HLNITLTR.S	1271.774	0.00275	3	1	34.3	0
P12163_2_F7,13155 K.HLNITLTR.S	1271.774	0.00221	3	1	26	0
P12163_2_F9,13493 K.HLNITLTR.S	1271.774	0.00632	3	1	24.8	0
P12163_1_F3,14447 K.SQVFSTAADNQTQVG	2402.314	0.00732	3	1	23.2	0
P12163_1_F3,17114 K.SQVFSTAADNQTQVG	2402.314	0.00627	3	1	71.6	0
P12163_1_F3,19529 R.IINEPTAASLSYGMNNI	2431.311	0.00415	3	1	57.8	0

P12163_1_F4,16652	R.NQADTTIYSIEK.S	1991.091	0.00468	3	1	26	0
P12163_1_F4,16691	R.NQADTTIYSIEK.S	1991.091	0.00453	2	1	42.3	0
P12163_2_F1,15827	R.NQADTTIYSIEK.S	1991.091	0.00583	2	1	31.2	0
P12163_1_F3,15306	R.QAVTNPTNTLFGTK.R	2100.191	0.00086	3	1	32.7	0
P12163_2_F1,18126	R.QAVTNPTNTLFGTK.R	2100.191	-0.00111	2	1	33.5	0
P12163_1_F4,12438	R.SSGGLSEDEIEK.M	1858.985	0.00986	3	1	23.7	0
P12163_1_F4,13913	R.SSGGLSEDEIEK.M	1858.985	0.0046	2	1	53.4	0
P12163_2_F1,12958	R.SSGGLSEDEIEK.M	1858.985	-0.016	2	1	33.6	0
P12163_1_F4,15141	R.TEGIDLSK.D	1470.862	0.00954	2	1	23.9	0
P12163_1_F4,14413	R.TTPSVVAFNQK.G	1800.048	0.01616	3	1	33.4	0
P12163_1_F3,24842	K.AELWVGYISENGDVY	2451.302	0.00464	3	1	42.2	0
P12163_1_F3,11817	K.AGDEPSDITPK.E	1737.948	0.00625	2	1	39.7	0
P12163_1_F3,11886	K.AGDEPSDITPK.E	1737.948	0.0047	3	1	39.6	0
P12163_1_F8,21631	K.ENGLPVALVEYEGEQI	2448.246	0.00394	3	1	42.2	0
P12163_1_S1,20511	K.GELFFVTDR.K	1387.752	0.00324	2	1	38.4	0
P12163_1_F9,4199	K.SHGGPTSEAR.G	1302.67	0.00593	3	1	27.3	0
P12163_2_F9,5321	K.SHGGPTSEAR.G	1302.67	0.00287	3	1	24.8	0
P12163_2_S5,5170	K.SHGGPTSEAR.G	1302.67	-0.00085	3	1	35.2	0
P12163_1_F4,18655	K.SPINFVDK.F	1527.899	-0.00144	3	1	27.8	0
P12163_1_F4,18659	K.SPINFVDK.F	1527.899	0.00627	2	1	29.5	0
P12163_2_F1,17924	K.SPINFVDK.F	1527.899	0.00139	2	1	28.9	0
P12163_1_F3,16400	K.SPLTADVVS GASK.R	1840.064	0.00346	3	1	31.7	0
P12163_1_F3,16434	K.SPLTADVVS GASK.R	1840.064	0.00478	2	1	47.1	0
P12163_1_S1,21679	K.VLVSGSDFYAFPR.M	1761.948	0.0042	2	1	26.5	0
P12163_1_F9,11075	K.VTLDDHK.L	1435.836	0.00348	3	1	22.7	0
P12163_1_F4,18881	K.VVWSSSPDTLK.Y	1827.047	-0.00084	2	1	31.3	0
P12163_2_F1,18127	K.VVWSSSPDTLK.Y	1827.047	0.00282	2	1	41.8	0
P12163_2_F7,8876	R.LGGTAVDGHGR.L	1343.733	0.00327	3	1	39.9	0
P12163_2_F7,8907	R.LGGTAVDGHGR.L	1343.733	0.00384	2	1	31.9	0
P12163_1_F3,10669	R.TTAQEYGGGAFR.I	1561.791	0.00445	3	1	28.8	0
P12163_2_F1,12452	R.TTAQEYGGGAFR.I	1561.791	0.00339	2	1	36.2	0
P12163_1_F7,21382	R.VVGHFDVADEIPIK.I	2260.316	0.00709	3	1	59.2	0
P12163_1_F7,21411	R.VVGHFDVADEIPIK.I	2260.316	0.00226	4	1	30	0
P12163_2_S5,20293	R.VVGHFDVADEIPIK.I	2260.316	0.0049	4	1	27.1	0
P12163_2_S5,20295	R.VVGHFDVADEIPIK.I	2260.316	0.00439	3	1	44.1	0
P12163_1_S1,24693	K.EYLPVGLVDFNK.L	2115.231	0.00881	3	1	22.8	0
P12163_1_F9,17259	K.INLGVGAYR.D ! K.LNI	1266.747	-0.00395	2	1	33.1	0
P12163_1_F3,20289	K.LILGADSPAIK.D	1706.067	0.0029	3	1	54.8	0
P12163_1_F3,20290	K.LILGADSPAIK.D	1706.067	0.007	2	1	43.1	0
P12163_2_F4,16348	K.TVPHLTDIAHAAVTR.I	1906.081	0.00759	3	1	32.3	0
P12163_1_F4,25691	K.VFTLAGLSVK.T ! K.VI	1643.035	0.00832	2	1	50.4	0
P12163_2_F1,24928	K.VFTLAGLSVK.T ! K.VI	1643.035	0.00451	3	1	31	0
P12163_2_F1,24938	K.VFTLAGLSVK.T ! K.VI	1643.035	0.00574	2	1	55.1	0
P12163_1_S1,19196	R.APEDPILGVTVAYNK.I	2195.253	0.00507	3	1	59.4	0
P12163_1_S1,25150	R.GLNFQGLLEDLR.A	1678.943	0.00174	3	1	44	0
P12163_1_F4,17780	R.ISMAGLSSK.T	1501.887	0.01054	3	1	26.6	0
P12163_2_F1,16874	R.ISMAGLSSK.T	1501.887	0.00209	2	1	34.2	0
P12163_2_F1,16878	R.ISMAGLSSK.T	1501.887	0.00352	3	1	29.3	0
P12163_2_F7,13118	R.KAEQLLVNDQSR.V	2009.16	0.00476	3	1	32.9	0
P12163_1_F2,18803	R.QQLFDALSAR.G	1452.811	0.00079	3	1	27.9	0
P12163_1_F2,21303	R.QQLFDALSAR.G	1452.811	0.00382	2	1	28.7	0

P12163_1_F3,18056 R.VGAEFLAR.H	1166.683	0.0034	2	1	25.3	0
P12163_1_F3,18321 R.VGAEFLAR.H	1166.683	0.00435	2	1	24.2	0
P12163_2_F1,17585 R.VGAEFLAR.H	1166.683	0.00422	2	1	24	0
P12163_1_F4,20251 R.VGALSIVCK.T	1554.95	0.01239	2	1	27	0
P12163_1_F4,20280 R.VGALSIVCK.T	1554.95	0.00764	3	1	34.6	0
P12163_2_F1,19755 R.VGALSIVCK.T	1554.95	0.005	3	1	35.1	0
P12163_1_S1,11924 R.VTTVQCLSGTGSLR.V	1782.969	0.0037	3	1	36.7	0
P12163_1_S1,14185 R.VTTVQCLSGTGSLR.V	1782.969	0.00586	3	1	34.7	0
P12163_1_S1,16122 R.VTTVQCLSGTGSLR.V	1782.969	0.00619	2	1	26.2	0
P12163_2_F7,6714 K.AGTHGIVSPR.A	1298.748	0.00074	3	1	25.1	0
P12163_2_F7,6750 K.AGTHGIVSPR.A	1298.748	0.00332	4	1	35.6	0
P12163_1_F2,16501 K.DGIDLVPDSDK.A	1781.974	0.00758	2	1	25.8	0
P12163_1_S1,15797 K.DGIDLVPDSDK.A	1781.974	-0.00168	2	1	30.1	0
P12163_1_F3,26546 K.GPFVDEAIQLLK.D	1938.152	0.0063	3	1	49.4	0
P12163_1_F3,26580 K.GPFVDEAIQLLK.D	1938.152	0.00599	2	1	26	0
P12163_1_S10,1687 K.LHGPDMM*GASILLIHK.	2226.289	0.00782	4	1	29.3	0
P12163_2_F10,1573 K.LHGPDMM*GASILLIHK.	2226.289	0.00514	4	1	25.6	0
P12163_1_F8,19820 K.LHGPDMM*GASILLIHK.A	2210.294	0.0073	4	1	32.1	0
P12163_2_F10,1725 K.LHGPDMM*GASILLIHK.A	2210.294	0.00206	4	1	32.2	0
P12163_1_F6,14780 K.LLESGHVYR.C	1377.779	0.00449	3	1	36	0
P12163_2_F7,12984 K.LLESGHVYR.C	1377.779	0.0062	3	1	45.4	0
P12163_2_S3,13138 K.LLESGHVYR.C	1377.779	0.0026	3	1	48	0
P12163_2_F1,15438 K.WATATDAEVQK.E	1828.006	-0.00625	2	1	27.3	0
P12163_1_F5,13541 R.CFCSNEELEK.M	1923.94	0.00621	2	1	39	0
P12163_2_F1,13755 R.CFCSNEELEK.M	1923.94	0.00647	2	1	51.1	0
P12163_2_F1,9939 R.DTLTSSEGK.S	1545.858	0.00552	2	1	29.1	0
P12163_1_F6,15172 R.FAPSPTGNLHVGGAR.	1784.971	-0.00433	3	1	30.2	0
P12163_2_F7,13623 R.FAPSPTGNLHVGGAR.	1784.971	-0.00124	3	1	50.8	0
P12163_1_F9,9492 R.HGATSVGQFR.E	1363.738	0.00507	3	1	31.1	0
P12163_2_F4,8869 R.HGATSVGQFR.E	1363.738	-0.00039	3	1	40.6	0
P12163_1_S1,10819 R.IEDTDLER.S	1294.679	0.00297	3	1	26.8	0
P12163_1_F5,18237 R.QVDWEALK.K	1596.921	0.01567	2	1	31.2	0
P12163_2_F1,18605 R.QVDWEALK.K	1596.921	0.00825	3	1	29.9	0
P12163_2_F1,15416 R.VLITGK.T ! R.VLLTGK	1238.829	0.0102	2	1	24.7	0
P12163_1_F8,12676 K.AHGPTVSSINPVNNQK	2271.267	0.00905	3	1	27.8	0
P12163_1_S1,22991 K.EELFAPVLYVM*K.F	2063.171	0.00448	3	1	27.1	0
P12163_2_F1,20899 K.FQTFEEAVK.I	1706.957	0.0067	2	1	46.5	0
P12163_1_F8,13385 K.GTLLGPLHTPESR.K	1681.954	0.00248	3	1	34	0
P12163_2_F6,16070 K.GTLLGPLHTPESR.K	1681.954	0.00521	3	1	46.7	0
P12163_1_S1,19495 K.INNSVPQGLSSSIFTR.S	2024.108	0.00434	3	1	40.4	0
P12163_1_S1,19508 K.INNSVPQGLSSSIFTR.S	2024.108	-0.00019	2	1	27.2	0
P12163_1_F4,24229 K.IWMELPAPK.R	1692.997	0.00667	2	1	36	0
P12163_1_F4,24248 K.IWMELPAPK.R	1692.997	0.0098	3	1	33.2	0
P12163_2_F1,23667 K.IWMELPAPK.R	1692.997	0.00446	3	1	32.9	0
P12163_1_F2,21302 K.LVSEVFER.N	1282.731	0.00389	2	1	30.7	0
P12163_1_F8,12931 K.VGLM*VQQTIVHQR.F	1715.953	-0.00036	3	1	27.4	0
P12163_2_F6,12488 K.VGLM*VQQTIVHQR.F	1715.953	0.00132	3	1	41.3	0
P12163_2_F6,16325 K.VGLMVQQTIVHQR.F	1699.958	-0.00009	3	1	47.6	0
P12163_2_F1,11247 R.EAGSDSWK.Q	1487.795	0.00701	2	1	23.9	0
P12163_1_F4,22037 R.LLSIEMGK.I	1498.912	0.0065	3	1	24	0
P12163_2_F1,21608 R.LLSIEMGK.I	1498.912	0.00278	2	1	32.9	0

P12163_1_F3,13341	R.QIGDALR.E	1076.637	0.00243	2	1	24.4	0
P12163_2_F1,16012	R.SPENIFK.W	1442.846	0.00478	3	1	25.2	0
P12163_1_F2,20213	R.SVLFAAVGTAGQR.C	1580.906	0.00144	3	1	29.7	0
P12163_1_S1,17087	R.SVLFAAVGTAGQR.C	1580.906	0.00147	3	1	33.2	0
P12163_1_S1,19148	R.SVLFAAVGTAGQR.C	1580.906	0.00222	3	1	70.2	0
P12163_1_S1,19403	R.SVLFAAVGTAGQR.C	1580.906	-0.00489	3	1	27.1	0
P12163_1_F2,8881	K.EVGEETFR.I	1270.658	0.00303	3	1	24.9	0
P12163_2_F8,12070	K.IIGVEPYDANAMALSL	2597.345	0.00032	4	1	26.5	0
P12163_1_F3,19372	K.NVVAITSGANMNFDK	2189.184	0.00642	3	1	69.6	0
P12163_1_F3,26086	K.QFCELLGPM*NITEFK.	2451.287	0.00763	3	1	35.6	0
P12163_1_F3,26054	K.QFCELLGPMNITEFK.Y	2435.292	0.00908	3	1	34.8	0
P12163_2_F1,16890	K.TYNLTQSDLVK.D	1890.079	0.00126	2	1	40.9	0
P12163_1_S1,22480	K.VYDVAIESPLQFAPK.I	2285.3	0.00519	3	1	59.8	0
P12163_2_F1,13836	R.DAICASIK.D	1485.855	0.0091	2	1	26.8	0
P12163_1_F3,21459	R.EDLQPVFSFK.L	1818.026	0.0074	2	1	31.1	0
P12163_1_F3,21469	R.EDLQPVFSFK.L	1818.026	-0.00049	3	1	33.1	0
P12163_1_F7,9415	R.ETTLHSQSPPPPTAR.K	1923.024	0.0045	3	1	41.2	0
P12163_2_F2,13829	R.GAYNMMSK.L	1509.801	0.0063	2	1	35.4	0
P12163_1_F2,20379	R.QQEAUFATVM*PEQSC	2608.354	0.00423	3	1	34.8	0
P12163_1_F2,22060	R.SILEPAGALALAGAK.A	1990.216	0.00328	3	1	45	0
P12163_1_F8,19805	R.VMLDHSVGGFADGVA.V	2223.242	-0.00142	3	1	53.9	0
P12163_1_F4,13364	K.AAAVVAPK.Y	1334.862	0.01013	2	1	38.9	0
P12163_1_F7,19866	K.EKPSIGM*VIAVGP GPI	2889.56	0.00817	4	1	56.9	0
P12163_1_F7,20026	K.EKPSIGM*VIAVGP GPI	2889.56	0.0077	3	1	70.9	0
P12163_1_F7,20106	K.EKPSIGM*VIAVGP GPI	2889.56	0.01045	4	1	35.7	0
P12163_2_S5,17411	K.EKPSIGM*VIAVGP GPI	2889.56	0.00473	4	1	46.3	0
P12163_2_S5,17447	K.EKPSIGM*VIAVGP GPI	2889.56	0.0014	3	1	55.3	0
P12163_1_F7,19874	K.EKPSIGMVIAVGP GPLI	2873.565	0.00569	3	1	60.7	0
P12163_1_F7,19897	K.EKPSIGMVIAVGP GPLI	2873.565	0.00305	4	1	55.5	0
P12163_1_F7,20006	K.EKPSIGMVIAVGP GPLI	2873.565	0.00088	2	1	26.9	0
P12163_1_F2,10510	K.GSDGTNYIALR.A	1470.785	0.00098	3	1	30.6	0
P12163_1_F2,12431	K.GSDGTNYIALR.A	1470.785	0.00364	2	1	34.8	0
P12163_1_F2,12473	K.GSDGTNYIALR.A	1470.785	0.0023	3	1	38.2	0
P12163_1_F2,12749	K.GSDGTNYIALR.A	1470.785	0.00218	3	1	41.3	0
P12163_1_F2,14640	K.GSDGTNYIALR.A	1470.785	0.0058	2	1	33	0
P12163_1_F2,14880	K.GSDGTNYIALR.A	1470.785	0.0029	2	1	32.5	0
P12163_1_F9,12516	K.GSDGTNYIALR.A	1470.785	0.00299	3	1	29	0
P12163_1_S1,12204	K.GSDGTNYIALR.A	1470.785	0.00281	3	1	34.2	0
P12163_1_S1,12529	K.GSDGTNYIALR.A	1470.785	0.00053	3	1	30.2	0
P12163_2_F4,13809	K.GSDGTNYIALR.A	1470.785	0.00366	2	1	33.3	0
P12163_2_F7,11531	K.GSDGTNYIALR.A	1470.785	-0.00004	3	1	28.5	0
P12163_2_F9,11700	K.GSDGTNYIALR.A	1470.785	0.00878	3	1	35.6	0
P12163_1_F8,15825	K.LDISVKPGTQVIYSK.Y	2560.548	0.00629	5	1	23.1	0
P12163_1_F6,17749	K.TDGGIFLPSTAQTKPQ.	3569.994	0.01291	4	1	35.3	0
P12163_1_F6,18048	K.TDGGIFLPSTAQTKPQ.	3569.994	0.01019	4	1	29.9	0
P12163_1_F2,21723	K.VAEAEETTAGG LLLTE	2498.381	-0.00319	3	1	49.7	0
P12163_1_F3,22320	K.VAEAEETTAGG LLLTE	2498.381	0.00176	3	1	66.8	0
P12163_1_F5,21125	K.VAEAEETTAGG LLLTE	2498.381	-0.00223	3	1	79.7	0
P12163_1_F7,20609	K.VAEAEETTAGG LLLTE	2498.381	0.00434	3	1	22.1	0
P12163_1_F8,21623	K.VAEAEETTAGG LLLTE	2498.381	0.00191	3	1	41.2	0
P12163_1_S1,15771	K.VAEAEETTAGG LLLTE	2498.381	0.0044	3	1	47.4	0

P12163_1_S1,15779	K.VAEAEETTAGGLLLTE	2498.381	0.00317	5	1	22.3	0
P12163_1_S1,16241	K.VAEAEETTAGGLLLTE	2498.381	0.00491	4	1	31.5	0
P12163_1_S1,16928	K.VAEAEETTAGGLLLTE	2498.381	0.00761	3	1	22.3	0
P12163_1_S1,17435	K.VAEAEETTAGGLLLTE	2498.381	0.00413	3	1	36.3	0
P12163_1_S1,17487	K.VAEAEETTAGGLLLTE	2498.381	0.00413	2	1	42.2	0
P12163_1_S1,19066	K.VAEAEETTAGGLLLTE	2498.381	0.00764	3	1	78.2	0
P12163_1_S1,19078	K.VAEAEETTAGGLLLTE	2498.381	0.00651	4	1	35.4	0
P12163_1_S1,19133	K.VAEAEETTAGGLLLTE	2498.381	0.00629	2	1	27.7	0
P12163_1_S1,19821	K.VAEAEETTAGGLLLTE	2498.381	0.00811	4	1	49.8	0
P12163_1_S1,20026	K.VAEAEETTAGGLLLTE	2498.381	-0.00175	3	1	47.7	0
P12163_1_S1,20849	K.VAEAEETTAGGLLLTE	2498.381	-0.00037	3	1	51.4	0
P12163_1_S1,20878	K.VAEAEETTAGGLLLTE	2498.381	0.00267	4	1	56.2	0
P12163_1_S1,20963	K.VAEAEETTAGGLLLTE	2498.381	0.00553	2	1	128	0
P12163_1_S1,23996	K.VAEAEETTAGGLLLTE	2498.381	0.00518	3	1	47	0
P12163_1_S1,24236	K.VAEAEETTAGGLLLTE	2498.381	0.00713	3	1	39.2	0
P12163_1_S1,24467	K.VAEAEETTAGGLLLTE	2498.381	0.00584	3	1	52.9	0
P12163_1_S1,24819	K.VAEAEETTAGGLLLTE	2498.381	0.00407	3	1	28.8	0
P12163_1_S1,25019	K.VAEAEETTAGGLLLTE	2498.381	0.00389	3	1	27.9	0
P12163_1_S1,25227	K.VAEAEETTAGGLLLTE	2498.381	0.00485	3	1	33.7	0
P12163_1_S1,25488	K.VAEAEETTAGGLLLTE	2498.381	0.00674	3	1	34.9	0
P12163_1_S1,25687	K.VAEAEETTAGGLLLTE	2498.381	0.00641	3	1	29.2	0
P12163_1_S1,26065	K.VAEAEETTAGGLLLTE	2498.381	0.00638	3	1	33.2	0
P12163_1_S1,26231	K.VAEAEETTAGGLLLTE	2498.381	0.00188	3	1	27.7	0
P12163_1_S1,31044	K.VAEAEETTAGGLLLTE	2498.381	0.00206	3	1	22.1	0
P12163_1_S1,31200	K.VAEAEETTAGGLLLTE	2498.381	0.00662	3	1	33.4	0
P12163_1_S10,1980	K.VAEAEETTAGGLLLTE	2498.381	0.00575	3	1	21.9	0
P12163_1_S10,2003	K.VAEAEETTAGGLLLTE	2498.381	0.00641	3	1	80.6	0
P12163_1_S10,2006	K.VAEAEETTAGGLLLTE	2498.381	0.00311	4	1	43.9	0
P12163_2_F1,22187	K.VAEAEETTAGGLLLTE	2498.381	0.00011	3	1	72.8	0
P12163_2_F2,12729	K.YAGNDFK.G	1422.784	0.00643	3	1	26.8	0
P12163_1_F7,17519	K.YAGTELEFNGANHLIL	2222.187	0.001	4	1	63.4	0
P12163_1_F7,19421	K.YAGTELEFNGANHLIL	2222.187	0.00227	3	1	93.4	0
P12163_1_F7,19454	K.YAGTELEFNGANHLIL	2222.187	0.00033	2	1	25.6	0
P12163_1_F6,14527	K.YTSIKPLGDR.V	1758.037	0.00679	2	1	47.3	0
P12163_2_F7,12879	K.YTSIKPLGDR.V	1758.037	0.01039	2	1	30.7	0
P12163_1_F5,23201	R.ASEVM*AVLS.-	1226.66	0.00403	2	1	30.3	0
P12163_2_F1,24191	R.ASEVM*AVLS.-	1226.66	0.00245	2	1	26.5	0
P12163_1_F3,24087	R.ASEVMAVLS.-	1210.665	0.00215	2	1	36.7	0
P12163_2_F1,24176	R.ASEVMAVLS.-	1210.665	0.00279	2	1	35.1	0
P12163_2_F1,22569	R.EDDVVGILETDEIK.D	2183.19	0.00109	3	1	35.5	0
P12163_1_F8,16873	R.KPLSIAPGNTVM*YSK	2534.478	0.00838	3	1	26.9	0
P12163_2_F6,15067	R.KPLSIAPGNTVM*YSK	2534.478	0.0059	4	1	24.7	0
P12163_2_F6,15298	R.KPLSIAPGNTVM*YSK	2534.478	0.02209	3	1	22.2	0
P12163_2_F6,16429	R.KPLSIAPGNTVM*YSK	2534.478	0.01063	3	1	27.1	0
P12163_1_F8,14986	R.KPLSIAPGNTVMYSK.N	2518.483	0.00925	3	1	25.8	0
P12163_1_F8,16994	R.KPLSIAPGNTVMYSK.N	2518.483	0.01289	3	1	44.7	0
P12163_2_F6,15140	R.KPLSIAPGNTVMYSK.N	2518.483	0.00182	4	1	32.9	0
P12163_2_F6,16472	R.KPLSIAPGNTVMYSK.N	2518.483	0.00544	3	1	51.5	0
P12163_2_F8_12070	R.KPLSIAPGNTVMYSK.N	2518.483	0.00034	3	1	47.6	0
P12163_1_F9,9304	K.AAAHLK.G	1218.778	0.00546	3	1	29.8	0
P12163_1_S10,9788	K.AAAHLK.G	1218.778	0.00378	3	1	28.7	0

P12163_2_F8_12070	K.AAAHLK.G	1218.778	0.00725	2	1	24.6	0
P12163_1_F6,14423	K.AGIALSK.K ! K.AGIAL	1267.819	0.00437	3	1	28.4	0
P12163_1_F8,13591	K.AGIALSK.K ! K.AGIAL	1267.819	0.00227	3	1	23	0
P12163_2_F1,13882	K.AGIALSK.K ! K.AGIAL	1267.819	0.00497	3	1	27.1	0
P12163_2_F2,2245	K.AGIALSK.K ! K.AGIAL	1267.819	0.00674	3	1	24	0
P12163_2_F2,2599	K.AGIALSK.K ! K.AGIAL	1267.819	0.00338	2	1	31.1	0
P12163_2_F2,2800	K.AGIALSK.K ! K.AGIAL	1267.819	0.00452	3	1	24.8	0
P12163_2_F2,2929	K.AGIALSK.K ! K.AGIAL	1267.819	0.00503	2	1	26.1	0
P12163_2_F2,2980	K.AGIALSK.K ! K.AGIAL	1267.819	0.00407	3	1	31.3	0
P12163_2_F2,3108	K.AGIALSK.K ! K.AGIAL	1267.819	0.00571	2	1	26.5	0
P12163_2_F2,3157	K.AGIALSK.K ! K.AGIAL	1267.819	0.00809	3	1	26.4	0
P12163_2_F2,3784	K.AGIALSK.K ! K.AGIAL	1267.819	0.00755	3	1	22.2	0
P12163_2_F2,3808	K.AGIALSK.K ! K.AGIAL	1267.819	0.00366	2	1	35.7	0
P12163_2_F2,14378	K.AGIALSK.K ! K.AGIAL	1267.819	0.00695	3	1	26.9	0
P12163_2_F2,14419	K.AGIALSK.K ! K.AGIAL	1267.819	0.00762	2	1	26.6	0
P12163_2_S5,12371	K.AGIALSK.K ! K.AGIAL	1267.819	0.00098	3	1	26.6	0
P12163_2_S5,13231	K.AGIALSK.K ! K.AGIAL	1267.819	0.00461	3	1	28.1	0
P12163_1_F4,13296	K.DASYDEIK.A	1548.837	0.00467	3	1	27.3	0
P12163_1_F4,13335	K.DASYDEIK.A	1548.837	0.00757	2	1	28.7	0
P12163_1_S10,1314	K.DASYDEIK.A	1548.837	0.00677	3	1	25.3	0
P12163_2_F1,12267	K.DASYDEIK.A	1548.837	0.00371	2	1	23.9	0
P12163_2_F4,11182	K.DASYDEIK.A	1548.837	0.00051	2	1	28.5	0
P12163_2_F8_12070	K.DASYDEIK.A	1548.837	0.00767	3	1	27	0
P12163_2_F9,12228	K.DASYDEIK.A	1548.837	0.00429	2	1	25.4	0
P12163_1_F9,13886	K.KVIISAPSK.D	1855.214	0.00848	3	1	29	0
P12163_1_F3,11768	K.LTGM*AFR.V	1115.618	0.00465	3	1	27.5	0
P12163_1_F3,15690	K.LTGM*AFR.V	1115.618	0.00489	3	1	29.1	0
P12163_1_F3,15646	K.LTGMAFR.V	1099.624	0.00336	3	1	31.5	0
P12163_1_F8,22902	K.TLLFGKPVTVFGVR.1	2271.369	0.00227	2	1	40.1	0
P12163_1_F5,6100	K.TVDGPSSK.D	1398.805	0.0058	3	1	22.7	0
P12163_2_F1,6499	K.TVDGPSSK.D	1398.805	0.00366	3	1	27.9	0
P12163_2_F4,13840	K.VIISAPSK.D	1422.914	0.00444	3	1	23.3	0
P12163_2_F4,13845	K.VIISAPSK.D	1422.914	-0.00012	2	1	31.1	0
P12163_1_F4,18491	K.VLPALNGK.L	1419.914	0.00943	2	1	27.7	0
P12163_1_F4,18753	K.VLPALNGK.L	1419.914	0.00745	2	1	29.7	0
P12163_1_F4,18763	K.VLPALNGK.L	1419.914	0.00579	3	1	34.1	0
P12163_1_F3,14456	R.AASFNIIPSSTGAAK.A	2043.169	0.00567	3	1	28.8	0
P12163_1_F3,16589	R.AASFNIIPSSTGAAK.A	2043.169	0.00585	3	1	40	0
P12163_1_F3,17279	R.AASFNIIPSSTGAAK.A	2043.169	0.00774	3	1	22.7	0
P12163_1_F3,17545	R.AASFNIIPSSTGAAK.A	2043.169	0.00519	3	1	42.3	0
P12163_1_F3,17553	R.AASFNIIPSSTGAAK.A	2043.169	0.00095	2	1	38.6	0
P12163_1_F3,19350	R.AASFNIIPSSTGAAK.A	2043.169	0.00387	2	1	56.7	0
P12163_1_F3,19706	R.AASFNIIPSSTGAAK.A	2043.169	-0.00225	3	1	29.3	0
P12163_1_F6,18354	R.AASFNIIPSSTGAAK.A	2043.169	-0.00192	3	1	56.9	0
P12163_1_F6,18837	R.AASFNIIPSSTGAAK.A	2043.169	0.00399	3	1	32.7	0
P12163_2_F1,19345	R.AASFNIIPSSTGAAK.A	2043.169	-0.00079	2	1	37.6	0
P12163_2_F1,19404	R.AASFNIIPSSTGAAK.A	2043.169	0.00402	3	1	44.2	0
P12163_2_F4,17594	R.AASFNIIPSSTGAAK.A	2043.169	0.00348	3	1	37.5	0
P12163_2_F7,16678	R.AASFNIIPSSTGAAK.A	2043.169	0.01158	3	1	44.4	0
P12163_2_S3,15455	R.AASFNIIPSSTGAAK.A	2043.169	0.00414	3	1	29.6	0
P12163_1_F5,15104	R.SSIFDAK.A	1375.804	0.00563	3	1	26.5	0

P12163_1_F5,15244 R.SSIFDAK.A	1375.804	0.00682	2	1	29.2	0
P12163_1_F5,15341 R.SSIFDAK.A	1375.804	0.00626	3	1	27.2	0
P12163_1_F6,15886 R.SSIFDAK.A	1375.804	0.00758	2	1	27.6	0
P12163_1_F7,15102 R.SSIFDAK.A	1375.804	0.00394	2	1	26.2	0
P12163_1_F8,15164 R.SSIFDAK.A	1375.804	0.00368	3	1	28.3	0
P12163_2_F1,15096 R.SSIFDAK.A	1375.804	0.00644	3	1	28.6	0
P12163_2_F1,15296 R.SSIFDAK.A	1375.804	0.00706	2	1	28.6	0
P12163_2_F1,15305 R.SSIFDAK.A	1375.804	0.00575	3	1	24.7	0
P12163_2_F1,15530 R.SSIFDAK.A	1375.804	0.0044	2	1	27.7	0
P12163_2_F2,15863 R.SSIFDAK.A	1375.804	0.00134	3	1	36.5	0
P12163_2_F2,15866 R.SSIFDAK.A	1375.804	0.00482	2	1	28.9	0
P12163_2_F8_12070 R.SSIFDAK.A	1375.804	0.00378	2	1	27.6	0
P12163_2_S5,14318 R.SSIFDAK.A	1375.804	0.00308	3	1	26.5	0
P12163_1_F7,19433 R.VVDLIVHM*SK.T	1765.05	0.00816	3	1	23.9	0
P12163_1_F7,22824 R.VVDLIVHM*SK.T	1765.05	0.00516	3	1	26.7	0
P12163_2_F6,19965 R.VVDLIVHM*SK.T	1765.05	0.00768	3	1	26.4	0
P12163_1_F7,22942 R.VVDLIVHMSK.T	1749.055	0.01402	2	1	42.1	0
P12163_1_F7,22969 R.VVDLIVHMSK.T	1749.055	0.00615	3	1	28.4	0
P12163_1_F8,20949 R.VVDLIVHMSK.T	1749.055	0.00336	3	1	26.7	0
P12163_1_F5,10040 K.ADAGEEGLK.L	1497.837	0.01307	2	1	35.4	0
P12163_2_F1,10583 K.ADAGEEGLK.L	1497.837	0.00434	3	1	58.7	0
P12163_2_F1,10595 K.ADAGEEGLK.L	1497.837	0.00651	2	1	47.6	0
P12163_1_F5,6601 K.APSDGK.W	1182.694	0.00472	3	1	38	0
P12163_2_F1,7088 K.APSDGK.W	1182.694	0.00613	2	1	24.7	0
P12163_1_F4,20106 K.GTLNEVIDM*K.T	1743.977	0.0101	3	1	44.5	0
P12163_1_F7,17693 K.GTLNEVIDM*K.T	1743.977	-0.00172	3	1	35.5	0
P12163_2_F1,16713 K.GTLNEVIDM*K.T	1743.977	0.00683	3	1	38.7	0
P12163_1_F4,15342 K.GTLNEVIDMK.T	1727.982	0.01199	3	1	23.4	0
P12163_1_F4,20071 K.GTLNEVIDMK.T	1727.982	0.00269	3	1	26.8	0
P12163_1_F4,20099 K.GTLNEVIDMK.T	1727.982	0.00074	2	1	47.5	0
P12163_1_F6,18593 K.GTLNEVIDMK.T	1727.982	0.00041	3	1	26.8	0
P12163_1_F7,17669 K.GTLNEVIDMK.T	1727.982	-0.00205	3	1	32.2	0
P12163_2_F1,19516 K.GTLNEVIDMK.T	1727.982	0.00719	3	1	37.4	0
P12163_2_F1,19525 K.GTLNEVIDMK.T	1727.982	0.00182	2	1	47.7	0
P12163_2_F4,17287 K.GTLNEVIDMK.T	1727.982	0.00017	3	1	34.3	0
P12163_2_F4,17301 K.GTLNEVIDMK.T	1727.982	-0.00184	2	1	28.1	0
P12163_1_F6,19736 K.IESLNLLHR.A	1398.837	0.00313	3	1	35.7	0
P12163_1_F8,15765 K.IESLNLLHR.A	1398.837	0.00316	3	1	33.9	0
P12163_1_F8,19763 K.IESLNLLHR.A	1398.837	0.00316	3	1	72.1	0
P12163_1_F8,19990 K.IESLNLLHR.A	1398.837	0.00367	3	1	65.1	0
P12163_1_F9,19294 K.IESLNLLHR.A	1398.837	0.0037	3	1	50.8	0
P12163_1_S10,1805 K.IESLNLLHR.A	1398.837	-0.00092	3	1	27	0
P12163_1_S10,1867 K.IESLNLLHR.A	1398.837	0.0061	3	1	27.7	0
P12163_2_F6,15176 K.IESLNLLHR.A	1398.837	0.00235	3	1	33.8	0
P12163_2_F6,19201 K.IESLNLLHR.A	1398.837	0.00241	3	1	66.5	0
P12163_2_F6,19224 K.IESLNLLHR.A	1398.837	0.00206	2	1	38.9	0
P12163_2_F6,19428 K.IESLNLLHR.A	1398.837	0.00178	3	1	72.6	0
P12163_2_F6,19683 K.IESLNLLHR.A	1398.837	0.00184	3	1	38.3	0
P12163_1_F7,21948 K.VTFPLVWTNTCCSHPL	2555.284	0.0037	3	1	58.9	0
P12163_1_F3,20930 K.YELLQQR.S	1366.8	0.00228	2	1	23.9	0
P12163_2_F9,18876 K.YELLQQR.S	1366.8	0.0016	3	1	25	0

P12163_2_F9,19065	K.YELLQQR.S	1366.8	0.00424	2	1	24.3	0
P12163_2_F9,19089	K.YELLQQR.S	1366.8	0.00227	3	1	40.9	0
P12163_1_F9,12620	K.YNCHLMEK.I	1702.886	0.00277	2	1	25.4	0
P12163_2_S5,12285	K.YNCHLMEK.I	1702.886	0.0074	3	1	26.5	0
P12163_1_F4,24881	R.AFSVFLFNSK.Y	1768.025	0.00323	3	1	28.8	0
P12163_1_F4,26595	R.AFSVFLFNSK.Y	1768.025	0.005	2	1	54.7	0
P12163_1_F5,24521	R.AFSVFLFNSK.Y	1768.025	0.00344	3	1	39.2	0
P12163_1_F7,23211	R.AFSVFLFNSK.Y	1768.025	0.00281	3	1	27.8	0
P12163_1_F7,23488	R.AFSVFLFNSK.Y	1768.025	0.00428	3	1	27.8	0
P12163_2_F1,24171	R.AFSVFLFNSK.Y	1768.025	0.0041	3	1	32.3	0
P12163_2_F1,25642	R.AFSVFLFNSK.Y	1768.025	0.00533	3	1	28.9	0
P12163_2_S5,22079	R.AFSVFLFNSK.Y	1768.025	0.00518	3	1	22.9	0
P12163_1_F8,16236	R.DVSVNPNPDEVAEYK.	2284.192	0.00445	2	1	56.4	0
P12163_1_S1,15139	R.DVSVNPNPDEVAEYK.	2284.192	0.00363	4	1	37.8	0
P12163_1_S1,15319	R.DVSVNPNPDEVAEYK.	2284.192	0.00453	2	1	71.5	0
P12163_1_S1,15373	R.DVSVNPNPDEVAEYK.	2284.192	0.00766	3	1	53.9	0
P12163_1_S10,1565	R.DVSVNPNPDEVAEYK.	2284.192	0.00826	3	1	24.5	0
P12163_2_F4,15180	R.DVSVNPNPDEVAEYK.	2284.192	0.00931	3	1	42.5	0
P12163_2_F6,15803	R.DVSVNPNPDEVAEYK.	2284.192	0.00023	2	1	34	0
P12163_1_F2,18780	R.ESELIEENALGVR.N	1762.949	0.00193	2	1	44.4	0
P12163_1_S1,15146	R.ESELIEENALGVR.N	1762.949	0.00105	3	1	64.7	0
P12163_1_S1,18059	R.ESELIEENALGVR.N	1762.949	0.00213	3	1	83	0
P12163_1_S1,18065	R.ESELIEENALGVR.N	1762.949	0.00461	2	1	55	0
P12163_1_S1,18304	R.ESELIEENALGVR.N	1762.949	0.00869	2	1	32.7	0
P12163_1_F3,25552	R.LVVDNFLFK.W	1703.035	0.00127	3	1	34.8	0
P12163_1_F3,25645	R.LVVDNFLFK.W	1703.035	0.00294	2	1	39.1	0
P12163_1_F4,26268	R.LVVDNFLFK.W	1703.035	0.00382	3	1	32.8	0
P12163_1_F5,24311	R.LVVDNFLFK.W	1703.035	0.00748	3	1	31.1	0
P12163_1_F7,23264	R.LVVDNFLFK.W	1703.035	0.00595	3	1	29	0
P12163_1_S10,2176	R.LVVDNFLFK.W	1703.035	0.00199	3	1	22.4	0
P12163_2_F1,25440	R.LVVDNFLFK.W	1703.035	0.00598	3	1	30.8	0
P12163_1_F9,7911	R.VVGHENK.Y	1390.826	0.00317	3	1	28.6	0
P12163_2_F8_1207	R.VVGHENK.Y	1390.826	0.01136	3	1	29.7	0
P12163_1_F9,9304	K.AAAHLK.G	1218.778	0.00546	3	1	29.8	0
P12163_1_S10,9788	K.AAAHLK.G	1218.778	0.00378	3	1	28.7	0
P12163_2_F8_1207	K.AAAHLK.G	1218.778	0.00725	2	1	24.6	0
P12163_1_F6,14423	K.AGIALSK.K ! K.AGIAL	1267.819	0.00437	3	1	28.4	0
P12163_1_F8,13591	K.AGIALSK.K ! K.AGIAL	1267.819	0.00227	3	1	23	0
P12163_2_F1,13882	K.AGIALSK.K ! K.AGIAL	1267.819	0.00497	3	1	27.1	0
P12163_2_F2,2245	K.AGIALSK.K ! K.AGIAL	1267.819	0.00674	3	1	24	0
P12163_2_F2,2599	K.AGIALSK.K ! K.AGIAL	1267.819	0.00338	2	1	31.1	0
P12163_2_F2,2800	K.AGIALSK.K ! K.AGIAL	1267.819	0.00452	3	1	24.8	0
P12163_2_F2,2929	K.AGIALSK.K ! K.AGIAL	1267.819	0.00503	2	1	26.1	0
P12163_2_F2,2980	K.AGIALSK.K ! K.AGIAL	1267.819	0.00407	3	1	31.3	0
P12163_2_F2,3108	K.AGIALSK.K ! K.AGIAL	1267.819	0.00571	2	1	26.5	0
P12163_2_F2,3157	K.AGIALSK.K ! K.AGIAL	1267.819	0.00809	3	1	26.4	0
P12163_2_F2,3784	K.AGIALSK.K ! K.AGIAL	1267.819	0.00755	3	1	22.2	0
P12163_2_F2,3808	K.AGIALSK.K ! K.AGIAL	1267.819	0.00366	2	1	35.7	0
P12163_2_F2,14378	K.AGIALSK.K ! K.AGIAL	1267.819	0.00695	3	1	26.9	0
P12163_2_F2,14419	K.AGIALSK.K ! K.AGIAL	1267.819	0.00762	2	1	26.6	0
P12163_2_S5,12371	K.AGIALSK.K ! K.AGIAL	1267.819	0.00098	3	1	26.6	0

P12163_2_S5,13231	K.AGIALSK.K ! K.AGIAL	1267.819	0.00461	3	1	28.1	0
P12163_1_F3,19789	K.DAPMFVVGVNEK.E	1914.061	0.00738	3	1	44.8	0
P12163_1_F4,14454	K.EATYEEIK.N	1590.883	0.01601	2	1	33.3	0
P12163_1_F7,19653	K.EYKPELDIRVSNASCTTI	3606.927	0.00025	3	1	44.1	0
P12163_1_F5,8020	K.TVDGPSMK.D	1442.813	0.00311	3	1	27.1	0
P12163_2_F1,10964	K.TVDGPSMK.D	1442.813	0.00491	3	1	29.3	0
P12163_1_F4,18491	K.VLPALNGK.L	1419.914	0.00943	2	1	27.7	0
P12163_1_F4,18753	K.VLPALNGK.L	1419.914	0.00745	2	1	29.7	0
P12163_1_F4,18763	K.VLPALNGK.L	1419.914	0.00579	3	1	34.1	0
P12163_1_F3,14796	K.VVISAPSK.D	1408.898	0.00048	3	1	23.8	0
P12163_1_F4,15218	K.VVISAPSK.D	1408.898	0.00243	3	1	25.6	0
P12163_2_F1,14152	K.VVISAPSK.D	1408.898	0.00693	3	1	24.6	0
P12163_1_F3,14456	R.AASFNIIPSSTGAAK.A	2043.169	0.00567	3	1	28.8	0
P12163_1_F3,16589	R.AASFNIIPSSTGAAK.A	2043.169	0.00585	3	1	40	0
P12163_1_F3,17279	R.AASFNIIPSSTGAAK.A	2043.169	0.00774	3	1	22.7	0
P12163_1_F3,17545	R.AASFNIIPSSTGAAK.A	2043.169	0.00519	3	1	42.3	0
P12163_1_F3,17553	R.AASFNIIPSSTGAAK.A	2043.169	0.00095	2	1	38.6	0
P12163_1_F3,19350	R.AASFNIIPSSTGAAK.A	2043.169	0.00387	2	1	56.7	0
P12163_1_F3,19706	R.AASFNIIPSSTGAAK.A	2043.169	-0.00225	3	1	29.3	0
P12163_1_F6,18354	R.AASFNIIPSSTGAAK.A	2043.169	-0.00192	3	1	56.9	0
P12163_1_F6,18837	R.AASFNIIPSSTGAAK.A	2043.169	0.00399	3	1	32.7	0
P12163_2_F1,19345	R.AASFNIIPSSTGAAK.A	2043.169	-0.00079	2	1	37.6	0
P12163_2_F1,19404	R.AASFNIIPSSTGAAK.A	2043.169	0.00402	3	1	44.2	0
P12163_2_F4,17594	R.AASFNIIPSSTGAAK.A	2043.169	0.00348	3	1	37.5	0
P12163_2_F7,16678	R.AASFNIIPSSTGAAK.A	2043.169	0.01158	3	1	44.4	0
P12163_2_S3,15455	R.AASFNIIPSSTGAAK.A	2043.169	0.00414	3	1	29.6	0
P12163_1_F4,18628	R.NPEEIPWAK.T	1691.958	0.00682	3	1	22.4	0
P12163_2_F1,17839	R.NPEEIPWAK.T	1691.958	0.0071	2	1	28	0
P12163_2_F1,17870	R.NPEEIPWAK.T	1691.958	0.00622	3	1	29.5	0
P12163_1_F5,15104	R.SSIFDAK.A	1375.804	0.00563	3	1	26.5	0
P12163_1_F5,15244	R.SSIFDAK.A	1375.804	0.00682	2	1	29.2	0
P12163_1_F5,15341	R.SSIFDAK.A	1375.804	0.00626	3	1	27.2	0
P12163_1_F6,15886	R.SSIFDAK.A	1375.804	0.00758	2	1	27.6	0
P12163_1_F7,15102	R.SSIFDAK.A	1375.804	0.00394	2	1	26.2	0
P12163_1_F8,15164	R.SSIFDAK.A	1375.804	0.00368	3	1	28.3	0
P12163_2_F1,15096	R.SSIFDAK.A	1375.804	0.00644	3	1	28.6	0
P12163_2_F1,15296	R.SSIFDAK.A	1375.804	0.00706	2	1	28.6	0
P12163_2_F1,15305	R.SSIFDAK.A	1375.804	0.00575	3	1	24.7	0
P12163_2_F1,15530	R.SSIFDAK.A	1375.804	0.0044	2	1	27.7	0
P12163_2_F2,15863	R.SSIFDAK.A	1375.804	0.00134	3	1	36.5	0
P12163_2_F2,15866	R.SSIFDAK.A	1375.804	0.00482	2	1	28.9	0
P12163_2_F8_12070	R.SSIFDAK.A	1375.804	0.00378	2	1	27.6	0
P12163_2_S5,14318	R.SSIFDAK.A	1375.804	0.00308	3	1	26.5	0
P12163_2_F6,22323	R.VIDLIVHM*AK.T	1763.071	0.00498	3	1	28.2	0
P12163_2_F6,25333	R.VIDLIVHM*AK.T	1763.071	0.00354	3	1	28.1	0
P12163_2_F6,25252	R.VIDLIVHMAK.T	1747.076	0.0021	3	1	39.4	0
P12163_1_S1,19084	K.DSTLIMQLLR.D	1493.866	-0.00037	3	1	24	0
P12163_1_F4,19260	K.EAAESTLLAYK.S	1804.031	0.00523	2	1	49.7	0
P12163_1_F4,19275	K.EAAESTLLAYK.S	1804.031	0.00819	3	1	39.3	0
P12163_1_F9,17946	K.EAAESTLLAYK.S	1804.031	0.00276	3	1	22.4	0
P12163_2_F1,18655	K.EAAESTLLAYK.S	1804.031	0.00845	2	1	56.5	0

P12163_2_F1,18674	K.EAAESTLLAYK.S	1804.031	0.00759	3	1	39.3	0
P12163_2_F4,16730	K.EAAESTLLAYK.S	1804.031	-0.00345	3	1	25.3	0
P12163_2_F1,14375	K.IENELSK.I	1440.852	0.00599	2	1	25.7	0
P12163_2_F1,9483	K.LAEQAER.Y ! R.LAEQ,	1120.626	0.00298	2	1	24.7	0
P12163_1_F6,19395	K.SAQDIALAELAPTHPIF	2107.181	0.00214	3	1	49.1	0
P12163_1_F7,16534	K.SAQDIALAELAPTHPIF	2107.181	0.00376	3	1	67.7	0
P12163_1_F7,17968	K.SAQDIALAELAPTHPIF	2107.181	0.00095	4	1	23.8	0
P12163_1_F7,18522	K.SAQDIALAELAPTHPIF	2107.181	-0.00023	3	1	63.7	0
P12163_1_F7,18528	K.SAQDIALAELAPTHPIF	2107.181	0.0025	2	1	72	0
P12163_1_F8,47	K.SAQDIALAELAPTHPIF	2107.181	0.00673	3	1	34.5	0
P12163_1_F8,19491	K.SAQDIALAELAPTHPIF	2107.181	0.00244	3	1	46.5	0
P12163_2_F10,1706	K.SAQDIALAELAPTHPIF	2107.181	0.00586	3	1	29.7	0
P12163_2_S5,15820	K.SAQDIALAELAPTHPIF	2107.181	-0.00117	4	1	33.5	0
P12163_2_S5,15834	K.SAQDIALAELAPTHPIF	2107.181	0.00151	3	1	54.2	0
P12163_2_S5,17709	K.SAQDIALAELAPTHPIF	2107.181	-0.00044	2	1	53.8	0
P12163_2_S5,17821	K.SAQDIALAELAPTHPIF	2107.181	0.00304	3	1	52.2	0
P12163_1_F4,13882	R.EENVYMAK.L ! R.EEN	1591.861	0.00598	3	1	30	0
P12163_1_F5,12428	R.EENVYMAK.L ! R.EEN	1591.861	0.00856	2	1	35.6	0
P12163_1_F5,12489	R.EENVYMAK.L ! R.EEN	1591.861	0.01225	3	1	24.7	0
P12163_2_F1,12743	R.EENVYMAK.L ! R.EEN	1591.861	0.00684	2	1	31.1	0
P12163_1_F6,11508	R.GNEDHVSVIK.E	1705.969	0.0091	2	1	41.4	0
P12163_2_F6,11122	R.GNEDHVSVIK.E	1705.969	0.00402	2	1	41.4	0
P12163_1_F4,20959	R.IISSIEQK.E ! R.ILSSIEQ	1525.941	0.01597	2	1	28	0
P12163_1_F5,18516	R.IISSIEQK.E ! R.ILSSIEQ	1525.941	0.00793	2	1	32.8	0
P12163_1_F5,19572	R.IISSIEQK.E ! R.ILSSIEQ	1525.941	0.00666	3	1	29.6	0
P12163_1_F5,19600	R.IISSIEQK.E ! R.ILSSIEQ	1525.941	0.00717	2	1	38.4	0
P12163_2_F1,20030	R.IISSIEQK.E ! R.ILSSIEQ	1525.941	0.00227	2	1	27.6	0
P12163_2_F1,20062	R.IISSIEQK.E ! R.ILSSIEQ	1525.941	0.00678	3	1	21.9	0
P12163_2_F9,16813	R.KEAAESTLLAYK.S	2236.332	0.0045	3	1	32	0
P12163_1_F4,19313	R.NLLSVAYK.N	1515.935	0.00473	2	1	24.7	0
P12163_1_F5,18080	R.NLLSVAYK.N	1515.935	0.00697	2	1	39.6	0
P12163_1_F5,18081	R.NLLSVAYK.N	1515.935	0.00381	3	1	34.8	0
P12163_1_F6,18423	R.NLLSVAYK.N	1515.935	0.01068	3	1	31.8	0
P12163_1_F9,17887	R.NLLSVAYK.N	1515.935	0.006	3	1	24.6	0
P12163_2_F1,18587	R.NLLSVAYK.N	1515.935	0.00633	2	1	42.2	0
P12163_2_F1,18588	R.NLLSVAYK.N	1515.935	0.00501	3	1	35.5	0
P12163_2_F2,18787	R.NLLSVAYK.N	1515.935	0.00681	3	1	28.1	0
P12163_2_F2,18808	R.NLLSVAYK.N	1515.935	0.00629	2	1	32.4	0
P12163_2_F8_12070	R.NLLSVAYK.N	1515.935	0.00594	3	1	30.9	0
P12163_2_S5,16404	R.NLLSVAYK.N	1515.935	0.00054	3	1	31.7	0
P12163_1_F4,20324	R.YEEMVEFM*EK.V	1958.97	-0.00298	3	1	24.3	0
P12163_1_F4,25316	R.YEEMVEFMEK.V	1942.975	0.00462	2	1	54.3	0
P12163_2_F9,21690	R.YEEMVEFMEK.V	1942.975	0.00542	3	1	24.9	0
P12163_1_S10,1839	R.YLAEFK.V ! R.YLAEFK	1378.819	0.0079	3	1	24	0
P12163_2_F8_12070	R.YLAEFK.V ! R.YLAEFK	1378.819	0.00689	3	1	22.1	0
P12163_2_F8_12070	R.YLAEFK.V ! R.YLAEFK	1378.819	0.0056	3	1	22.9	0
P12163_2_F1,7468	K.DPTGAK.V	1196.709	0.00381	3	1	22.1	0
P12163_1_F5,14587	K.EVSSYLK.K	1433.846	0.01118	2	1	24.6	0
P12163_2_F1,14639	K.EVSSYLK.K	1433.846	0.0115	2	1	30.2	0
P12163_2_F1,14650	K.EVSSYLK.K	1433.846	0.00492	3	1	23.7	0
P12163_2_F2,15372	K.EVSSYLK.K	1433.846	0.00562	2	1	30.1	0

P12163_2_F8_12070	K.EVSSYLK.K	1433.846	0.00459	3	1	25.3	0
P12163_1_S1,13053	K.IGGIGTVPVGR.V	1329.816	0.00272	3	1	35	0
P12163_1_S1,15806	K.IGGIGTVPVGR.V	1329.816	0.00299	3	1	50.3	0
P12163_1_S1,16020	K.IGGIGTVPVGR.V	1329.816	0.004	2	1	34.8	0
P12163_1_F6,20438	K.M*IPTKPM*VVETFSD'	2918.562	0.00644	3	1	30.6	0
P12163_1_F6,22877	K.M*IPTKPM*VVETFSD'	2918.562	0.00721	4	1	37.5	0
P12163_1_F6,22835	K.M*IPTKPMVVETFSDY	2902.567	0.00182	3	1	23	0
P12163_1_F6,22871	K.M*IPTKPMVVETFSDY	2902.567	0.00633	4	1	25.7	0
P12163_1_F6,21623	K.MIPTKPM*VVETFSDY	2902.567	0.00278	3	1	25.6	0
P12163_1_F6,22887	K.MIPTKPMVVETFSDYP	2886.572	0.00613	4	1	26.7	0
P12163_2_F2,11403	K.QMICCCNK.M	1721.842	0.00714	2	1	29.4	0
P12163_2_S3,11488	K.STTTGHLYK.L	1729.01	0.00463	3	1	31.3	0
P12163_2_S5,12215	K.STTTGHLYK.L	1729.01	0.00507	2	1	28.4	0
P12163_2_F10,14800	K.THINIVVIGHVDSGK.S	2197.291	0.00857	4	1	50.7	0
P12163_1_F6,12423	K.YYCTVIDAPGHR.D	1755.879	0.00383	4	1	22.6	0
P12163_1_F7,14645	K.YYCTVIDAPGHR.D	1755.879	0.0032	3	1	39.4	0
P12163_1_F8,15318	K.YYCTVIDAPGHR.D	1755.879	0.00347	3	1	35.4	0
P12163_1_F8,15337	K.YYCTVIDAPGHR.D	1755.879	0.01186	2	1	34.7	0
P12163_2_F6,14776	K.YYCTVIDAPGHR.D	1755.879	0.01322	2	1	35.8	0
P12163_2_F9,14517	K.YYCTVIDAPGHR.D	1755.879	0.00266	3	1	40.1	0
P12163_2_S3,13753	K.YYCTVIDAPGHR.D	1755.879	0.00275	3	1	38.4	0
P12163_2_S5,14626	K.YYCTVIDAPGHR.D	1755.879	0.00167	3	1	24	0
P12163_1_F5,8286	R.GFVASNSK.D	1417.826	0.00205	3	1	22.5	0
P12163_1_F6,11569	R.GFVASNSK.D	1417.826	0.00253	2	1	27.3	0
P12163_1_F8,10800	R.GFVASNSK.D	1417.826	0.00239	2	1	31.9	0
P12163_1_F4,19769	R.LPLQDVYK.I	1583.962	0.01294	2	1	29.6	0
P12163_1_F4,19960	R.LPLQDVYK.I	1583.962	0.00988	2	1	29.3	0
P12163_1_F9,18573	R.LPLQDVYK.I	1583.962	0.00766	2	1	25.6	0
P12163_2_F1,19232	R.LPLQDVYK.I	1583.962	0.00594	2	1	27.5	0
P12163_2_F1,19251	R.LPLQDVYK.I	1583.962	0.00828	3	1	26.4	0
P12163_2_F1,19432	R.LPLQDVYK.I	1583.962	0.00882	2	1	27.3	0
P12163_2_F1,19651	R.LPLQDVYK.I	1583.962	0.0055	2	1	27.3	0
P12163_1_F4,15684	R.QTVAVGVIK.S ! R.QTV	1522.978	0.00495	2	1	50	0
P12163_1_F4,15687	R.QTVAVGVIK.S ! R.QTV	1522.978	0.00277	3	1	40.1	0
P12163_1_F7,14182	R.QTVAVGVIK.S ! R.QTV	1522.978	0.00286	3	1	41.9	0
P12163_1_F7,14194	R.QTVAVGVIK.S ! R.QTV	1522.978	0.00483	2	1	24.1	0
P12163_2_F1,14780	R.QTVAVGVIK.S ! R.QTV	1522.978	0.01093	2	1	32.4	0
P12163_2_F1,14786	R.QTVAVGVIK.S ! R.QTV	1522.978	0.01153	3	1	40.7	0
P12163_1_F5,16409	R.STNLDWYK.G	1634.9	0.00839	2	1	29.7	0
P12163_2_F1,16778	R.STNLDWYK.G	1634.9	0.00543	2	1	41.9	0
P12163_2_F2,17076	R.STNLDWYK.G	1634.9	0.00583	2	1	39.8	0
P12163_2_F2,17156	R.STNLDWYK.G	1634.9	0.00448	3	1	25	0
P12163_1_F3,17963	K.ALQIPEYPNK.A	1781.042	0.00562	2	1	55.7	0
P12163_1_F3,17971	K.ALQIPEYPNK.A	1781.042	0.00159	3	1	31.3	0
P12163_1_F4,18471	K.ALQIPEYPNK.A	1781.042	0.00704	2	1	34.9	0
P12163_1_F4,18591	K.ALQIPEYPNK.A	1781.042	0.00519	3	1	40.6	0
P12163_1_F6,17221	K.ALQIPEYPNK.A	1781.042	-0.00627	3	1	29.2	0
P12163_2_F1,17821	K.ALQIPEYPNK.A	1781.042	0.00682	2	1	47.3	0
P12163_2_F1,17875	K.ALQIPEYPNK.A	1781.042	0.00624	3	1	44.6	0
P12163_2_F9,16051	K.ALQIPEYPNK.A	1781.042	-0.00165	3	1	27.8	0
P12163_1_F5,10029	K.APSGLK.T	1180.751	0.00626	3	1	31	0

P12163_1_F4,17984	K.GVANPLGIK.V ! R.GV	1476.936	0.00597	2	1	37.9	0
P12163_2_F1,17047	K.GVANPLGIK.V ! R.GV	1476.936	0.00662	2	1	38.9	0
P12163_2_F1,17095	K.GVANPLGIK.V ! R.GV	1476.936	0.00575	3	1	44	0
P12163_2_F2,1227	K.GVANPLGIK.V ! R.GV	1476.936	0.01526	3	1	27.3	0
P12163_2_S5,15311	K.GVANPLGIK.V ! R.GV	1476.936	-0.0046	3	1	31.7	0
P12163_1_F9,15584	K.LPHLIR.A	1052.688	0.00363	3	1	29.9	0
P12163_1_F9,16999	K.LPHLIR.A	1052.688	0.003	3	1	25.5	0
P12163_1_S10,1536	K.LPHLIR.A	1052.688	0.00438	3	1	23.7	0
P12163_2_F1,12799	R.AFATGGYAAM*QR.V	1563.789	0.00256	3	1	25.2	0
P12163_1_F2,13174	R.AFATGGYAAMQR.V	1547.794	0.00187	3	1	52.5	0
P12163_1_F2,15591	R.AFATGGYAAMQR.V	1547.794	0.00525	2	1	35.5	0
P12163_1_F2,21489	R.AYSQSVATLNLLR.A	1739.996	0.003	2	1	40.9	0
P12163_1_S1,20592	R.AYSQSVATLNLLR.A	1739.996	-0.00085	3	1	25.2	0
P12163_1_S1,20616	R.AYSQSVATLNLLR.A	1739.996	0.00028	2	1	39.7	0
P12163_1_F9,9471	R.IPDPHR.M	1038.6	0.00241	3	1	30.9	0
P12163_2_F7,8922	R.IPDPHR.M	1038.6	0.00361	3	1	32.7	0
P12163_1_F3,23867	R.LIVILNPK.N	1518.024	0.00198	3	1	24.6	0
P12163_1_F4,24758	R.LIVILNPK.N	1518.024	0.00525	3	1	33.4	0
P12163_1_F6,22455	R.LIVILNPK.N	1518.024	0.00066	3	1	26.1	0
P12163_2_F1,24108	R.LIVILNPK.N	1518.024	0.00351	3	1	30.9	0
P12163_2_F1,24111	R.LIVILNPK.N	1518.024	0.00638	2	1	32.7	0
P12163_2_F4,21077	R.LIVILNPK.N	1518.024	0.0006	3	1	25.1	0
P12163_2_F4,21112	R.LIVILNPK.N	1518.024	0.00146	2	1	24	0
P12163_2_F4,21399	R.LIVILNPK.N	1518.024	0.00216	3	1	24.4	0
P12163_1_F7,19873	R.NAGQIVTWVSDPM*H	2692.434	0.00054	3	1	30.1	0
P12163_1_F7,19922	R.NAGQIVTWVSDPMHG	2676.439	0.00055	3	1	32.8	0
P12163_2_S5,19281	R.NAGQIVTWVSDPMHG	2676.439	0.00231	4	1	26.8	0
P12163_1_F8,16922	R.QLDGAHVEFLR.G	1588.875	0.0038	2	1	41.4	0
P12163_2_F6,16305	R.QLDGAHVEFLR.G	1588.875	0.00045	3	1	47.8	0
P12163_2_F6,16341	R.QLDGAHVEFLR.G	1588.875	0.00236	2	1	38.2	0
P12163_2_F8_12070	R.QLDGAHVEFLR.G	1588.875	-0.00078	3	1	24.8	0
P12163_2_S5,15789	R.QLDGAHVEFLR.G	1588.875	-0.0018	3	1	52	0
P12163_1_F7,16970	R.VAHWNLDFTDHSEQG	2331.106	0.00124	3	1	51.8	0
P12163_1_F7,16984	R.VAHWNLDFTDHSEQG	2331.106	0.00071	4	1	25.2	0
P12163_2_F10,1617	R.VAHWNLDFTDHSEQG	2331.106	0.00283	3	1	27.9	0
P12163_2_F10,1617	R.VAHWNLDFTDHSEQG	2331.106	0.00239	4	1	37.1	0
P12163_1_F4,5753	R.YHTHCDPR.L	1389.664	0.00037	2	1	27.4	0
P12163_2_F2,5773	R.YHTHCDPR.L	1389.664	0.00285	2	1	30.6	0
P12163_1_F2,18924	K.AAIDVVCNPLGK.S	1865.077	0.01044	3	1	38.8	0
P12163_1_F2,18953	K.AAIDVVCNPLGK.S	1865.077	0.00551	2	1	27.2	0
P12163_1_F3,19519	K.AAIDVVCNPLGK.S	1865.077	0.00421	2	1	52.6	0
P12163_1_F3,19569	K.AAIDVVCNPLGK.S	1865.077	0.00534	3	1	58.2	0
P12163_1_F6,18595	K.AAIDVVCNPLGK.S	1865.077	0.00091	2	1	34.4	0
P12163_2_F6,15558	K.AEAAASASADGQPLL	3023.678	-0.00189	3	1	43.7	0
P12163_1_F3,16781	K.DVLVVTAK.G	1452.925	0.00347	3	1	28.6	0
P12163_1_F3,16784	K.DVLVVTAK.G	1452.925	0.00703	2	1	39.1	0
P12163_1_F3,17152	K.DVLVVTAK.G	1452.925	0.00629	3	1	35.5	0
P12163_1_F4,17268	K.DVLVVTAK.G	1452.925	0.0039	3	1	33.6	0
P12163_2_F1,16419	K.DVLVVTAK.G	1452.925	0.00426	3	1	22.7	0
P12163_2_S3,13358	K.DVLVVTAK.G	1452.925	0.00233	3	1	40.8	0
P12163_1_F2,17504	K.EM*AYIPLDEDTK.V	2049.067	0.00647	3	1	24.8	0

P12163_1_F2,19026	K.EM*AYIPLDEDTK.V	2049.067	0.00644	3	1	26.4	0
P12163_1_S1,15938	K.EM*AYIPLDEDTK.V	2049.067	0.00476	2	1	24.3	0
P12163_1_S1,18080	K.EMAYIPLDEDTK.V	2033.072	0.00662	3	1	39.9	0
P12163_1_S1,18100	K.EMAYIPLDEDTK.V	2033.072	0.0064	2	1	52.5	0
P12163_2_F6,18662	K.EMAYIPLDEDTK.V	2033.072	0.01134	2	1	36.8	0
P12163_2_F2,19087	K.FGWGVAAK.I	1443.857	0.00472	2	1	28.7	0
P12163_1_F3,22977	K.GSSAEIIPFLK.T	1770.062	0.00602	2	1	38.4	0
P12163_1_F4,23755	K.GSSAEIIPFLK.T	1770.062	0.00702	2	1	52.8	0
P12163_2_F1,23189	K.GSSAEIIPFLK.T	1770.062	0.00371	3	1	38.3	0
P12163_1_F3,27056	K.LFGIEFATFK.K	1781.046	0.00424	3	1	40.1	0
P12163_1_F4,27840	K.LFGIEFATFK.K	1781.046	0.00613	3	1	38.7	0
P12163_1_F2,23891	K.LLNILGPR.F	1199.778	0.00223	2	1	24.6	0
P12163_1_F5,15925	K.MGMTMESLK.F	1504.832	0.00731	3	1	23.4	0
P12163_1_F5,15932	K.MGMTMESLK.F	1504.832	0.00938	2	1	28.3	0
P12163_2_F1,16283	K.MGMTMESLK.F	1504.832	0.00662	3	1	27.8	0
P12163_2_F2,16719	K.MGMTMESLK.F	1504.832	0.00934	2	1	29	0
P12163_1_F3,21771	K.NLPGVDGWAVSLK.G	2021.164	0.01134	3	1	47.6	0
P12163_1_F3,21869	K.NLPGVDGWAVSLK.G	2021.164	0.0073	2	1	25.8	0
P12163_1_F4,22520	K.NLPGVDGWAVSLK.G	2021.164	0.00675	3	1	43.3	0
P12163_1_F4,19954	K.YSLFDPCK.E	1637.882	0.00725	2	1	29.5	0
P12163_1_F4,20194	K.YSLFDPCK.E	1637.882	0.00707	2	1	28.2	0
P12163_1_F4,20274	K.YSLFDPCK.E	1637.882	0.00752	3	1	23.6	0
P12163_1_F9,18740	K.YSLFDPCK.E	1637.882	0.00521	3	1	24.8	0
P12163_1_S10,1848	K.YSLFDPCK.E	1637.882	0.00782	3	1	30.7	0
P12163_2_F1,19240	K.YSLFDPCK.E	1637.882	0.01197	2	1	24.7	0
P12163_2_F1,19294	K.YSLFDPCK.E	1637.882	0.00584	3	1	26	0
P12163_2_F1,19439	K.YSLFDPCK.E	1637.882	0.00785	2	1	28.1	0
P12163_2_F1,19658	K.YSLFDPCK.E	1637.882	0.00607	2	1	27.9	0
P12163_1_F2,15214	R.SLDTQFTALR.Q	1455.811	0.00377	3	1	43	0
P12163_1_F2,15808	R.SLDTQFTALR.Q	1455.811	0.0059	3	1	38.8	0
P12163_1_S1,15342	R.SLDTQFTALR.Q	1455.811	0.00023	3	1	27.3	0
P12163_1_S1,17335	R.SLDTQFTALR.Q	1455.811	0.00338	3	1	46.7	0
P12163_1_F3,18268	K.ALNVVGGDLAK.M	1665.016	0.00106	2	1	51.6	0
P12163_1_F3,18279	K.ALNVVGGDLAK.M	1665.016	0.00463	3	1	47.8	0
P12163_1_F4,18824	K.ALNVVGGDLAK.M	1665.016	0.00846	2	1	62.1	0
P12163_1_F4,18864	K.ALNVVGGDLAK.M	1665.016	0.00544	3	1	61.9	0
P12163_1_F5,17532	K.ALNVVGGDLAK.M	1665.016	0.01195	3	1	43.1	0
P12163_1_F5,17563	K.ALNVVGGDLAK.M	1665.016	0.00798	2	1	36.2	0
P12163_2_F1,18061	K.ALNVVGGDLAK.M	1665.016	0.00752	2	1	46.9	0
P12163_2_F1,18121	K.ALNVVGGDLAK.M	1665.016	0.00727	3	1	64.4	0
P12163_2_F4,16273	K.ALNVVGGDLAK.M	1665.016	0.00124	3	1	32	0
P12163_2_F4,16671	K.ALNVVGGDLAK.M	1665.016	-0.0014	3	1	29.3	0
P12163_2_F4,12476	K.AYNYIHK.Y	1516.873	0.00542	3	1	36.9	0
P12163_2_F4,12488	K.AYNYIHK.Y	1516.873	0.00618	2	1	30.5	0
P12163_2_S5,13021	K.AYNYIHK.Y	1516.873	0.00347	3	1	31.8	0
P12163_1_F4,9795	K.ESAISPDEK.Y	1583.874	0.00578	2	1	25.3	0
P12163_1_F4,11815	K.ESAISPDEK.Y	1583.874	0.00536	2	1	26.1	0
P12163_1_F4,11871	K.ESAISPDEK.Y	1583.874	0.00568	3	1	31.3	0
P12163_1_F3,9648	K.LENSELR.L	1164.653	0.00492	3	1	31.3	0
P12163_1_F9,15630	K.RGEDPALSLVSK.A	1880.106	-0.00088	3	1	30.4	0
P12163_1_F9,15671	K.RGEDPALSLVSK.A	1880.106	0.00409	2	1	31.2	0

P12163_2_F10,1400' K.RGEDPALSLVSK.A	1880.106	0.00434	3	1	32.6	0
P12163_2_F7,14093 K.RGEDPALSLVSK.A	1880.106	-0.00814	3	1	35	0
P12163_2_F8_12070 K.VHDLLK.L	1332.846	0.00633	3	1	29.8	0
P12163_1_F2,17666 R.GEDPALSLVSK.A	1724.005	0.00312	2	1	28.6	0
P12163_1_F2,17670 R.GEDPALSLVSK.A	1724.005	0.00497	3	1	33	0
P12163_1_F6,16452 R.LAYDTHGIIR.K	1462.832	0.00512	2	1	34.6	0
P12163_1_F6,16523 R.LAYDTHGIIR.K	1462.832	0.00248	3	1	51.8	0
P12163_1_F8,13594 R.LAYDTHGIIR.K	1462.832	0.00137	3	1	23.7	0
P12163_1_F8,16281 R.LAYDTHGIIR.K	1462.832	0.00206	3	1	53.2	0
P12163_1_F9,16132 R.LAYDTHGIIR.K	1462.832	0.00353	3	1	45.2	0
P12163_2_F10,1447 R.LAYDTHGIIR.K	1462.832	0.00188	3	1	31.3	0
P12163_2_F6,15720 R.LAYDTHGIIR.K	1462.832	0.00248	3	1	50.4	0
P12163_2_F6,16148 R.LAYDTHGIIR.K	1462.832	0.00026	3	1	42.4	0
P12163_2_F6,20619 R.LAYDTHGIIR.K	1462.832	-0.0037	3	1	29.9	0
P12163_2_F6,20846 R.LAYDTHGIIR.K	1462.832	-0.0004	3	1	49.6	0
P12163_1_F5,21368 R.LSCFFNK.A	1523.85	0.00698	2	1	26.7	0
P12163_1_S1,20648 R.LSPQSAAMYNFTEEEL	2667.38	0.00866	3	1	29.8	0
P12163_1_S1,20669 R.LSPQSAAMYNFTEEEL	2667.38	0.01073	3	1	33.7	0
P12163_1_S1,20695 R.LSPQSAAMYNFTEEEL	2667.38	0.008	4	1	36.6	0
P12163_1_F3,15271 R.NAVDM*ALADSSCCK	2166.045	0.00557	3	1	41	0
P12163_1_F3,14295 R.NAVDMALADSSCCK.I	2150.05	0.0068	3	1	39.5	0
P12163_1_F3,15456 R.NAVDMALADSSCCK.I	2150.05	0.01118	3	1	22.8	0
P12163_1_F3,16877 R.NAVDMALADSSCCK.I	2150.05	0.00602	2	1	45.9	0
P12163_1_F3,16897 R.NAVDMALADSSCCK.I	2150.05	0.00851	3	1	55.1	0
P12163_1_F2,9791 R.VSTEVDAR.L	1180.647	0.00347	2	1	27.6	0
P12163_1_F2,10830 K.AGFAGDDAPR.A	1280.654	-0.00217	2	1	48.1	0
P12163_1_F3,10024 K.DAYVGDEAQSK.R	1790.938	0.00469	2	1	38.1	0
P12163_1_F3,11353 K.DAYVGDEAQSK.R	1790.938	0.00709	2	1	49.5	0
P12163_1_F4,11889 K.DAYVGDEAQSK.R	1790.938	0.00657	3	1	49.8	0
P12163_1_F4,11897 K.DAYVGDEAQSK.R	1790.938	0.00725	2	1	51.3	0
P12163_1_F9,11224 K.DAYVGDEAQSK.R	1790.938	0.00867	2	1	46	0
P12163_1_F9,11234 K.DAYVGDEAQSK.R	1790.938	0.00411	3	1	37.6	0
P12163_1_F3,15889 K.EITALAPSSM*K.I ! R.E	1772.008	0.00352	2	1	27.6	0
P12163_1_F3,15905 K.EITALAPSSM*K.I ! R.E	1772.008	0.00533	3	1	28.8	0
P12163_1_F3,18111 K.EITALAPSSMK.I ! R.EI	1756.013	0.00926	2	1	29	0
P12163_1_F3,18164 K.EITALAPSSMK.I ! R.EI	1756.013	0.00566	3	1	48.2	0
P12163_1_F4,18691 K.EITALAPSSMK.I ! R.EI	1756.013	0.00059	3	1	39.2	0
P12163_1_F4,18713 K.EITALAPSSMK.I ! R.EI	1756.013	-0.00198	2	1	35.4	0
P12163_1_F6,17407 K.EITALAPSSMK.I ! R.EI	1756.013	0.00551	3	1	34.2	0
P12163_2_F1,17957 K.EITALAPSSMK.I ! R.EI	1756.013	0.00556	2	1	32.7	0
P12163_2_F4,16193 K.EITALAPSSMK.I ! R.EI	1756.013	-0.00106	3	1	23.2	0
P12163_1_F6,11765 K.GEYDESGPSIVHR.K	1749.871	0.00214	3	1	72.6	0
P12163_1_F7,11170 K.GEYDESGPSIVHR.K	1749.871	-0.0007	3	1	33.7	0
P12163_1_F8,11585 K.GEYDESGPSIVHR.K	1749.871	0.00371	3	1	44.1	0
P12163_2_F6,11384 K.GEYDESGPSIVHR.K	1749.871	0.00121	2	1	46.2	0
P12163_1_F8,20717 K.NYELPDGQIITIGAER.I	2093.118	-0.00723	2	1	52.6	0
P12163_2_F2,7621 K.SSSSVEK.N	1331.763	0.00541	2	1	27.6	0
P12163_1_F8,18239 K.YPIEHGIVSNWDDM*E	2557.285	0.01088	3	1	23.6	0
P12163_1_F8,19866 K.YPIEHGIVSNWDDMEF	2541.29	0.00746	3	1	43.2	0
P12163_1_F3,18572 R.DLTDALMK.I	1514.871	0.0072	3	1	27	0
P12163_1_F3,18594 R.DLTDALMK.I	1514.871	0.00582	2	1	45.6	0

P12163_1_F4,19125	R.DLTDALMK.I	1514.871	0.00804	2	1	45.7	0
P12163_1_F4,19127	R.DLTDALMK.I	1514.871	0.00714	3	1	24.6	0
P12163_2_F2,18362	R.GILTLK.Y	1252.845	0.01049	3	1	24.7	0
P12163_1_F2,15885	R.GYMFTTTAER.E	1480.741	0.00489	2	1	27	0
P12163_1_F9,10832	R.HTGVVM*VGMGQK.D	1768.966	0.00474	3	1	37.8	0
P12163_1_F9,12476	R.HTGVVM*VGMGQK.D	1768.966	0.00468	3	1	26.2	0
P12163_2_F9,11611	R.HTGVVM*VGMGQK.D	1768.966	-0.00204	3	1	32.8	0
P12163_2_F9,9362	R.HTGVVMVGM*GQK.D	1768.966	0.00462	3	1	30.4	0
P12163_1_F9,12458	R.HTGVVMVGMGQK.D	1752.971	0.0048	3	1	33.7	0
P12163_1_F9,12464	R.HTGVVMVGMGQK.D	1752.971	0.00666	2	1	43.4	0
P12163_2_F9,11573	R.HTGVVMVGMGQK.D	1752.971	-0.00741	3	1	52.2	0
P12163_1_F6,17635	R.VAPEEHPVLLTEAPLN	2562.475	0.0064	3	1	31.9	0
P12163_1_F6,18724	R.VAPEEHPVLLTEAPLN	2562.475	0.00334	3	1	27.1	0
P12163_2_F4,17600	R.VAPEEHPVLLTEAPLN	2562.475	0.0013	3	1	23.6	0
P12163_2_S5,16756	R.VAPEEHPVLLTEAPLN	2562.475	0.00576	4	1	22.5	0
P12163_2_S5,16796	R.VAPEEHPVLLTEAPLN	2562.475	0.00586	3	1	53	0
P12163_1_F2,8485	K.DDVAVGR.I	1035.574	0.0014	2	1	25.5	0
P12163_1_F4,19162	K.FGPIAVEK.G	1468.898	0.0033	3	1	35.3	0
P12163_1_F4,19202	K.FGPIAVEK.G	1468.898	0.0049	2	1	28.2	0
P12163_1_F5,17926	K.FGPIAVEK.G	1468.898	0.00297	3	1	33.9	0
P12163_1_F5,21321	K.GALIANPNCSTIICLM*	2814.473	-0.00387	3	1	30	0
P12163_1_S1,12313	K.GSIVVDNSSAFR.M	1555.838	0.00343	3	1	42.4	0
P12163_1_S1,12683	K.GSIVVDNSSAFR.M	1555.838	0.0004	3	1	28.9	0
P12163_1_S1,15333	K.GSIVVDNSSAFR.M	1555.838	0.00372	2	1	50.3	0
P12163_1_S1,15377	K.GSIVVDNSSAFR.M	1555.838	0.00256	3	1	58.2	0
P12163_1_S1,13652	K.NAPGVVVIDDR.A	1458.822	0.00373	3	1	60.1	0
P12163_2_F4,13888	K.NAPGVVVIDDR.A	1458.822	0.00465	2	1	24.3	0
P12163_2_F1,13812	K.QLSFQDK.A	1473.852	0.00504	3	1	28.6	0
P12163_1_F5,16001	R.AHAESVNLQFEKPLDE	2878.515	0.00528	3	1	46.6	0
P12163_1_F8,15222	R.AHAESVNLQFEKPLDE	2878.515	0.00411	5	1	28.5	0
P12163_1_F8,16344	R.AHAESVNLQFEKPLDE	2878.515	0.00926	5	1	24	0
P12163_1_S10,15800	R.AHAESVNLQFEKPLDE	2878.515	0.00988	4	1	25.6	0
P12163_1_S10,16240	R.AHAESVNLQFEKPLDE	2878.515	0.0256	4	1	22.5	0
P12163_2_F10,13940	R.AHAESVNLQFEKPLDE	2878.515	0.0172	4	1	30.9	0
P12163_2_F10,14650	R.AHAESVNLQFEKPLDE	2878.515	-0.00084	4	1	32.2	0
P12163_2_F10,14840	R.AHAESVNLQFEKPLDE	2878.515	0.0054	3	1	23.7	0
P12163_2_F10,14880	R.AHAESVNLQFEKPLDE	2878.515	0.00526	5	1	32.4	0
P12163_2_F10,15210	R.AHAESVNLQFEKPLDE	2878.515	0.0284	4	1	26.6	0
P12163_2_F4,15318	R.AHAESVNLQFEKPLDE	2878.515	0.00423	3	1	37.8	0
P12163_1_F6,16317	R.ASNHFPTPLEVSNK.D	2149.186	0.00491	3	1	46.2	0
P12163_1_F6,16369	R.ASNHFPTPLEVSNK.D	2149.186	0.0057	2	1	34.6	0
P12163_2_F6,15634	R.ASNHFPTPLEVSNK.D	2149.186	0.01142	3	1	27.6	0
P12163_1_F5,16198	R.ASNHFPTPLEVSNKDD	2861.537	0.00758	3	1	43	0
P12163_2_S5,15420	R.ASNHFPTPLEVSNKDD	2861.537	0.00543	4	1	32.5	0
P12163_1_F5,19070	R.DVSQDGNHGLDIFVCC	2535.22	0.00621	3	1	33.9	0
P12163_1_F6,18974	R.DVSQDGNHGLDIFVCC	2535.22	0.0042	3	1	41.7	0
P12163_1_F6,19004	R.DVSQDGNHGLDIFVCC	2535.22	0.00274	2	1	60.7	0
P12163_1_F6,19044	R.DVSQDGNHGLDIFVCC	2535.22	0.00196	4	1	47.4	0
P12163_1_F6,19187	R.DVSQDGNHGLDIFVCC	2535.22	0.0054	3	1	39.3	0
P12163_1_F7,18148	R.DVSQDGNHGLDIFVCC	2535.22	0.00792	3	1	33	0
P12163_1_F8,19045	R.DVSQDGNHGLDIFVCC	2535.22	0.00246	3	1	37.4	0

P12163_2_F10,1712	R.DVSQDGNHGLDIFVCC	2535.22	0.00426	3	1	28.2	0
P12163_2_F2,19704	R.DVSQDGNHGLDIFVCC	2535.22	0.00489	3	1	33.9	0
P12163_2_F4,17717	R.DVSQDGNHGLDIFVCC	2535.22	0.00183	3	1	40.1	0
P12163_2_F4,17931	R.DVSQDGNHGLDIFVCC	2535.22	0.00906	3	1	28.7	0
P12163_2_F10,1601	R.RDVSQDGNHGLDIFVC	2691.321	0.00168	3	1	32	0
P12163_1_F3,9458	R.VTATCIR.V	1124.64	0.0032	3	1	24.3	0
P12163_2_F1,8979	R.VTATCIR.V	1124.64	0.00605	3	1	26.4	0
P12163_1_F7,16273	K.DIVVLSGGHTLGR.C	1627.943	-0.00017	3	1	48.8	0
P12163_1_F8,17004	K.DIVVLSGGHTLGR.C	1627.943	0.00184	3	1	47.4	0
P12163_1_F8,17011	K.DIVVLSGGHTLGR.C	1627.943	0.00527	2	1	24.3	0
P12163_2_F6,16420	K.DIVVLSGGHTLGR.C	1627.943	0.00184	3	1	36.4	0
P12163_2_F6,16433	K.DIVVLSGGHTLGR.C	1627.943	0.00315	2	1	24.4	0
P12163_1_F3,19589	K.EGLLQLPSDK.A	1708.01	0.00586	2	1	34.4	0
P12163_1_F3,19605	K.EGLLQLPSDK.A	1708.01	0.00149	3	1	34	0
P12163_1_F4,20195	K.EGLLQLPSDK.A	1708.01	0.0041	2	1	25.3	0
P12163_1_F4,20207	K.EGLLQLPSDK.A	1708.01	0.00848	3	1	30.2	0
P12163_1_F5,18927	K.EGLLQLPSDK.A	1708.01	-0.00112	2	1	33.1	0
P12163_1_F5,18934	K.EGLLQLPSDK.A	1708.01	0.00059	3	1	24.8	0
P12163_1_F6,19088	K.EGLLQLPSDK.A	1708.01	0.0017	3	1	26.4	0
P12163_2_F1,19664	K.EGLLQLPSDK.A	1708.01	0.00854	3	1	24.3	0
P12163_2_F1,19674	K.EGLLQLPSDK.A	1708.01	0.00546	2	1	32.3	0
P12163_2_S3,15544	K.EGLLQLPSDK.A	1708.01	0.00122	3	1	22.5	0
P12163_1_F4,5469	K.GSDHLR.D	988.5477	0.00306	3	1	22.1	0
P12163_1_S10,6682	K.GSDHLR.D	988.5477	0.00471	3	1	25.5	0
P12163_2_F8_12070	K.HCAPIILR.L	1283.756	0.00305	3	1	23.5	0
P12163_1_F5,22813	K.LSELGFADAE.-	1355.7	0.00358	2	1	31.5	0
P12163_1_F2,4890	K.SDPPPEGR.L	1158.606	0.00357	3	1	22.1	0
P12163_1_F3,11314	K.TGGPFGTIR.H	1209.689	0.00273	3	1	44.3	0
P12163_1_F3,13047	K.TGGPFGTIR.H	1209.689	0.00212	3	1	43.9	0
P12163_1_F4,11624	K.TGGPFGTIR.H	1209.689	0.00432	3	1	29.9	0
P12163_2_F1,10730	K.TGGPFGTIR.H	1209.689	0.00405	3	1	46.5	0
P12163_2_F1,12291	K.TGGPFGTIR.H	1209.689	0.00273	3	1	33.3	0
P12163_1_S10,1141	K.VSDEYQK.A	1476.815	0.01171	2	1	26.3	0
P12163_1_F7,20210	K.YAADEDAVFADYAEA	2607.319	0.00673	3	1	83.3	0
P12163_1_F7,20229	K.YAADEDAVFADYAEA	2607.319	0.00259	4	1	51.3	0
P12163_2_F10,1915	K.YAADEDAVFADYAEA	2607.319	0.00515	4	1	41.7	0
P12163_2_S5,20043	K.YAADEDAVFADYAEA	2607.319	0.00862	3	1	29.7	0
P12163_2_F6,13691	R.DVFGHM*GLSDK.D	1829.968	0.00697	3	1	23.5	0
P12163_2_F7,15245	R.DVFGHM*GLSDK.D	1829.968	0.0052	3	1	24	0
P12163_1_F7,15030	R.HPDELAHEANGLDIA	2275.173	0.0067	3	1	38.6	0
P12163_1_F7,15040	R.HPDELAHEANGLDIA	2275.173	0.00283	4	1	78.2	0
P12163_1_F8,15685	R.HPDELAHEANGLDIA	2275.173	0.00087	4	1	79.5	0
P12163_1_F8,15777	R.HPDELAHEANGLDIA	2275.173	0.00248	2	1	26.8	0
P12163_2_F10,1440	R.HPDELAHEANGLDIA	2275.173	0.00019	4	1	29.1	0
P12163_2_F10,1441	R.HPDELAHEANGLDIA	2275.173	0.00328	3	1	37.9	0
P12163_2_F10,1446	R.HPDELAHEANGLDIA	2275.173	-0.0008	2	1	31.9	0
P12163_2_F10,1461	R.HPDELAHEANGLDIA	2275.173	0.00523	3	1	38.6	0
P12163_1_F6,15853	R.LAWHSAGTYDVNTK.	2171.171	0.00392	3	1	33.1	0
P12163_2_F6,15188	R.LAWHSAGTYDVNTK.	2171.171	0.00392	3	1	53.2	0
P12163_1_F3,24221	K.ALAVFALR.D ! K.ALA	1164.741	0.00214	2	1	26.9	0
P12163_1_F7,20781	K.AYPNCEAVPCEQFDT/	2907.323	-0.00101	3	1	34.8	0

P12163_1_F3,16223	K.EFATFLR.V	1187.673	0.00416	3	1	24.2	0
P12163_1_F4,20240	K.YVSFEQLK.D	1621.941	0.00289	2	1	37.6	0
P12163_1_F4,20245	K.YVSFEQLK.D	1621.941	0.00517	3	1	30	0
P12163_1_F5,18933	K.YVSFEQLK.D	1621.941	0.00017	2	1	28.9	0
P12163_1_F7,17695	K.YVSFEQLK.D	1621.941	-0.00719	3	1	25.2	0
P12163_1_F9,18644	K.YVSFEQLK.D	1621.941	0.00971	2	1	28.5	0
P12163_1_S10,1828	K.YVSFEQLK.D	1621.941	0.00868	3	1	32.9	0
P12163_2_F1,19640	K.YVSFEQLK.D	1621.941	0.00364	3	1	26.3	0
P12163_2_F9,17766	K.YVSFEQLK.D	1621.941	0.00417	2	1	29	0
P12163_2_F9,17803	K.YVSFEQLK.D	1621.941	0.00265	3	1	28.2	0
P12163_1_F7,18373	R.AVLPIENSLGGSIIHR.N	1867.07	0.00158	3	1	52.1	0
P12163_2_F10,1684	R.AVLPIENSLGGSIIHR.N	1867.07	0.00119	3	1	62.6	0
P12163_2_S5,17556	R.AVLPIENSLGGSIIHR.N	1867.07	-0.00094	3	1	53.9	0
P12163_1_F3,8194	R.EAVDDTAGAAK.Y	1655.906	0.00527	3	1	24.8	0
P12163_1_F3,8197	R.EAVDDTAGAAK.Y	1655.906	0.00286	2	1	29	0
P12163_1_F3,23124	R.FLMLAR.E	1054.638	0.00302	2	1	31.5	0
P12163_1_F4,10299	R.GAYSESAAEK.A	1620.869	0.00286	2	1	29.8	0
P12163_1_F5,8947	R.GAYSESAAEK.A	1620.869	0.00476	2	1	46.4	0
P12163_1_F9,9692	R.GAYSESAAEK.A	1620.869	0.00612	2	1	38.5	0
P12163_2_F1,9316	R.GAYSESAAEK.A	1620.869	0.00498	2	1	50	0
P12163_2_F1,9336	R.GAYSESAAEK.A	1620.869	0.0057	3	1	49.2	0
P12163_2_F8_12070	R.GAYSESAAEK.A	1620.869	0.00024	3	1	39.4	0
P12163_2_S5,9097	R.GAYSESAAEK.A	1620.869	0.00066	3	1	32.9	0
P12163_1_F7,12593	R.HCLLANPGVK.V	1717.004	0.00257	3	1	34.1	0
P12163_1_F9,13618	R.HCLLANPGVK.V	1717.004	0.00701	3	1	33.3	0
P12163_2_F9,12475	R.HCLLANPGVK.V	1717.004	0.0062	4	1	24.6	0
P12163_1_F9,15785	R.LHIVGEVK.F	1502.951	0.00091	3	1	25	0
P12163_1_F9,15859	R.LHIVGEVK.F	1502.951	0.00706	2	1	26.4	0
P12163_2_F7,14228	R.LHIVGEVK.F	1502.951	0.00232	3	1	39	0
P12163_2_F9,14581	R.LHIVGEVK.F	1502.951	0.007	3	1	32.7	0
P12163_2_F9,14675	R.LHIVGEVK.F	1502.951	0.00771	4	1	36.5	0
P12163_2_F9,14786	R.LHIVGEVK.F	1502.951	0.00463	3	1	40.8	0
P12163_1_F4,10582	R.SSDDNSGFGK.Y	1621.828	0.00441	2	1	40	0
P12163_1_F5,9264	R.SSDDNSGFGK.Y	1621.828	0.00223	2	1	35	0
P12163_2_F1,9680	R.SSDDNSGFGK.Y	1621.828	0.00919	2	1	38.9	0
P12163_1_F8,15612	R.VLSHPQALAQCENTLT	2518.391	0.00502	3	1	30	0
P12163_1_F8,15623	R.VLSHPQALAQCENTLT	2518.391	0.00576	4	1	25.5	0
P12163_2_F6,15076	R.VLSHPQALAQCENTLT	2518.391	0.00388	3	1	32	0
P12163_2_F6,16220	R.VLSHPQALAQCENTLT	2518.391	0.00232	3	1	55.4	0
P12163_1_F9,9791	K.HAQSPFEK.V	1551.874	0.00499	3	1	52.8	0
P12163_1_F9,9800	K.HAQSPFEK.V	1551.874	0.00381	2	1	31.5	0
P12163_1_S10,1044	K.HAQSPFEK.V	1551.874	0.00616	3	1	51.6	0
P12163_2_F8_12070	K.HAQSPFEK.V	1551.874	0.00497	2	1	25.5	0
P12163_2_S5,9521	K.HAQSPFEK.V	1551.874	0.01441	3	1	37.3	0
P12163_1_F3,25363	K.ILDMASITLNK.N	1827.087	0.00481	3	1	45.6	0
P12163_1_F2,19214	K.LIAGASAYPR.D	1435.857	0.00035	3	1	28.5	0
P12163_1_F9,16948	K.TAILFRPK.L	1553.999	0.00635	2	1	34.2	0
P12163_1_F7,12892	K.YCDVVTTTTHK.S	1933.031	0.01404	3	1	32.4	0
P12163_2_F9,12752	K.YCDVVTTTTHK.S	1933.031	0.00537	3	1	24	0
P12163_1_F4,21308	R.ALAAFNLDENK.W	1814.027	0.0046	2	1	60.3	0
P12163_1_F4,21325	R.ALAAFNLDENK.W	1814.027	0.00988	3	1	58.7	0

P12163_1_F5,20146	R.ALAAFNLDENK.W	1814.027	0.00612	2	1	29.6	0
P12163_2_F1,20768	R.ALAAFNLDENK.W	1814.027	0.00952	3	1	33.9	0
P12163_2_F1,20773	R.ALAAFNLDENK.W	1814.027	0.00512	2	1	60	0
P12163_1_F3,19998	R.AVMEAVGSLTNK.Y	1988.076	0.00477	3	1	29.3	0
P12163_1_F3,20041	R.AVMEAVGSLTNK.Y	1988.076	0.00346	2	1	54.9	0
P12163_1_F3,13717	R.DFDYPR.M	1116.563	0.00299	2	1	27.3	0
P12163_2_F2,18042	R.GGM*IFFK.K	1423.823	0.00474	3	1	26.8	0
P12163_1_F3,10041	R.IGSPAMTTR.G	1237.688	0.00904	3	1	32.1	0
P12163_1_F3,10459	R.IGSPAMTTR.G	1237.688	0.00175	3	1	28	0
P12163_1_F4,19506	R.LVELGYK.L	1429.887	0.00505	2	1	24.5	0
P12163_1_F5,18705	R.LVELGYK.L	1429.887	0.00933	3	1	23.4	0
P12163_1_F9,18372	R.LVELGYK.L	1429.887	0.0082	3	1	22.6	0
P12163_2_F1,18892	R.LVELGYK.L	1429.887	0.00438	3	1	32.8	0
P12163_2_F1,18911	R.LVELGYK.L	1429.887	0.00559	2	1	31.4	0
P12163_2_F8_12070	R.LVELGYK.L	1429.887	0.00985	3	1	24.5	0
P12163_2_F9,17224	R.LVELGYK.L	1429.887	0.00611	2	1	25.2	0
P12163_2_F9,17263	R.LVELGYK.L	1429.887	0.00456	3	1	27.6	0
P12163_1_S1,17865	R.VSGTSIYFESM*PYR.L	1956.968	-0.00231	2	1	25.6	0
P12163_1_S1,20145	R.VSGTSIYFESMPYR.L	1940.973	0.00331	2	1	43.5	0
P12163_1_S1,20147	R.VSGTSIYFESMPYR.L	1940.973	0.0041	3	1	36.7	0
P12163_1_F5,15130	K.ALCEIAK.D	1412.839	0.00589	2	1	27.1	0
P12163_1_F3,19425	K.ANEDLSFLSM*K.L	1879.009	0.00422	3	1	22.9	0
P12163_1_F4,22156	K.ANEDLSFLSMK.L	1863.014	0.00722	3	1	33.7	0
P12163_1_F4,22179	K.ANEDLSFLSMK.L	1863.014	0.00485	2	1	46.5	0
P12163_2_F1,21688	K.ANEDLSFLSMK.L	1863.014	0.00782	3	1	33.1	0
P12163_1_F4,21991	K.AVEYFLK.Q	1477.887	0.00651	2	1	25.8	0
P12163_1_F4,22287	K.AVEYFLK.Q	1477.887	0.00375	3	1	22	0
P12163_1_F5,20886	K.AVEYFLK.Q	1477.887	0.00767	2	1	30.4	0
P12163_1_F5,20890	K.AVEYFLK.Q	1477.887	0.00514	3	1	23.5	0
P12163_1_F9,20390	K.AVEYFLK.Q	1477.887	0.00783	2	1	33.7	0
P12163_1_F9,20436	K.AVEYFLK.Q	1477.887	0.00886	3	1	23.6	0
P12163_2_F1,21507	K.AVEYFLK.Q	1477.887	0.00706	3	1	23.5	0
P12163_2_F1,21731	K.AVEYFLK.Q	1477.887	0.00303	3	1	23.4	0
P12163_2_F9,19421	K.AVEYFLK.Q	1477.887	0.00307	3	1	36.6	0
P12163_1_F5,9980	K.CQSQPEIAK.V	1668.92	0.00559	2	1	33.1	0
P12163_1_S1,19016	K.IPEVTEVPSFSEEAK.S	2270.238	0.00639	3	1	33.1	0
P12163_2_F2,14360	K.SALQGIAK.L	1395.878	0.01004	2	1	38.6	0
P12163_2_F2,14369	K.SALQGIAK.L	1395.878	0.00912	3	1	34.3	0
P12163_1_F2,16670	K.VNPIDFENSEGNL GK.A	2241.197	0.01022	3	1	29.1	0
P12163_1_F2,18490	K.VNPIDFENSEGNL GK.A	2241.197	0.00782	3	1	57.6	0
P12163_1_F2,18523	K.VNPIDFENSEGNL GK.A	2241.197	0.00481	2	1	34.8	0
P12163_1_S1,12329	R.DLTDSTVLR.N	1323.742	0.0025	3	1	38.6	0
P12163_1_S1,14249	R.DLTDSTVLR.N	1323.742	0.00494	2	1	25.4	0
P12163_1_S1,22963	R.EFIIGLELPEEAK.A	2096.21	0.00468	3	1	25.1	0
P12163_1_F6,16892	R.NM*GGGLGHSLLAYK	2042.131	0.00243	3	1	22.8	0
P12163_1_F3,17698	R.QEISQVEIMGK.F	1870.056	0.0039	3	1	31	0
P12163_1_F3,17719	R.QEISQVEIMGK.F	1870.056	0.00444	2	1	60.6	0
P12163_1_F4,18153	R.QEISQVEIMGK.F	1870.056	0.00651	3	1	34.3	0
P12163_1_F4,18155	R.QEISQVEIMGK.F	1870.056	0.00762	2	1	39.3	0
P12163_2_F1,17481	R.QEISQVEIMGK.F	1870.056	0.00198	2	1	30.9	0
P12163_2_F7,9891	R.THGQPASPTTLGK.E	1903.086	0.00361	3	1	38.6	0

P12163_2_F2,12237	K.GAGANILR.A	1075.652	0.00003	2	1	31.8	0
P12163_1_F3,19731	K.LLIQNQDEMIK.S ! K.L	1953.13	0.00615	3	1	59	0
P12163_1_F3,19732	K.LLIQNQDEMIK.S ! K.L	1953.13	0.00683	2	1	62	0
P12163_1_F4,20317	K.LLIQNQDEMIK.S ! K.L	1953.13	0.00642	3	1	41.7	0
P12163_1_F4,20322	K.LLIQNQDEMIK.S ! K.L	1953.13	0.00451	2	1	58.2	0
P12163_2_F1,19749	K.LLIQNQDEMIK.S ! K.L	1953.13	-0.00123	2	1	43.5	0
P12163_1_F4,26727	K.LQLVLF GK.K	1525.993	0.00606	3	1	27.6	0
P12163_2_F1,25809	K.LQLVLF GK.K	1525.993	-0.0034	2	1	33.9	0
P12163_1_F3,13436	K.SDGIAGLYR.G	1255.695	0.00443	3	1	34	0
P12163_1_F3,15985	K.SDGIAGLYR.G	1255.695	0.0043	2	1	36.4	0
P12163_2_F1,14975	K.SDGIAGLYR.G	1255.695	0.00222	2	1	32.6	0
P12163_2_F6,18306	K.SSLHAFQEIIK.N	1881.105	0.00254	3	1	33.3	0
P12163_1_F3,7546	K.TAAAPIER.V	1132.663	0.00467	3	1	24.1	0
P12163_2_F1,7258	K.TAAAPIER.V	1132.663	0.00158	3	1	36.3	0
P12163_1_F3,17825	R.AVAGAGVLAGYDK.L	1800.048	0.00604	2	1	46.4	0
P12163_1_F3,17873	R.AVAGAGVLAGYDK.L	1800.048	0.00003	3	1	66.5	0
P12163_1_F4,18370	R.AVAGAGVLAGYDK.L	1800.048	0.01191	3	1	48.5	0
P12163_2_F1,17653	R.AVAGAGVLAGYDK.L	1800.048	0.00591	3	1	39	0
P12163_2_F1,17664	R.AVAGAGVLAGYDK.L	1800.048	-0.00202	2	1	61.2	0
P12163_1_F4,9963	R.GNTANVIR.Y	1148.669	0.00474	2	1	28.1	0
P12163_1_F9,10277	R.LSHPYK.G	1352.815	0.00257	3	1	24.2	0
P12163_1_F4,13526	R.M*MMMTSGEAVK.Y	1708.889	0.01005	3	1	26.4	0
P12163_1_F4,15758	R.MMMTSGEAVK.Y	1692.894	0.00391	2	1	32.2	0
P12163_2_F1,14787	R.MMMTSGEAVK.Y	1692.894	0.00417	2	1	33.4	0
P12163_2_F1,14837	R.MMMTSGEAVK.Y	1692.894	0.00151	3	1	22.4	0
P12163_1_F4,21481	R.QFENGLIDVYK.K	1805.042	0.00807	2	1	50.5	0
P12163_1_F4,21511	R.QFENGLIDVYK.K	1805.042	0.00936	3	1	26.6	0
P12163_2_F1,21029	R.QFENGLIDVYK.K	1805.042	0.00517	2	1	50	0
P12163_2_F1,21032	R.QFENGLIDVYK.K	1805.042	0.00477	3	1	39.3	0
P12163_1_F3,25553	R.YFPTQALNFAFK.D	2055.152	0.00688	3	1	43.5	0
P12163_1_F4,21931	K.AVAIMLDTK.G	1569.949	0.00578	2	1	37	0
P12163_1_F4,21949	K.AVAIMLDTK.G	1569.949	0.00258	3	1	40.9	0
P12163_2_F1,21482	K.AVAIMLDTK.G	1569.949	0.00422	2	1	50.7	0
P12163_2_F1,21502	K.AVAIMLDTK.G	1569.949	0.00204	3	1	47	0
P12163_1_F2,15774	K.CIVVDGGELK.S	1697.972	0.00018	3	1	37.4	0
P12163_1_F3,16924	K.CIVVDGGELK.S	1697.972	-0.00198	2	1	40.9	0
P12163_1_F4,17429	K.CIVVDGGELK.S	1697.972	0.00396	2	1	43.6	0
P12163_1_F4,19925	K.EGQEFNFTIK.R	1821	0.00348	2	1	30.5	0
P12163_1_F4,20134	K.EGQEFNFTIK.R	1821	0.00324	2	1	34.4	0
P12163_1_F4,20152	K.EGQEFNFTIK.R	1821	0.00803	3	1	32	0
P12163_2_F1,19371	K.EGQEFNFTIK.R	1821	0.00754	2	1	34.7	0
P12163_2_F1,19467	K.EGQEFNFTIK.R	1821	0.00632	3	1	22.2	0
P12163_1_F5,11692	K.EYNSQFEDK.A	1767.901	0.00714	2	1	43.9	0
P12163_1_S10,1306	K.EYNSQFEDK.A	1767.901	0.00657	3	1	27	0
P12163_2_F8_12070	K.EYNSQFEDK.A	1767.901	0.00936	2	1	34.6	0
P12163_1_S1,14383	K.IVCTIGPSTSSR.E	1581.857	0.00407	2	1	31.6	0
P12163_1_S1,14395	K.IVCTIGPSTSSR.E	1581.857	0.00031	3	1	39.4	0
P12163_1_F2,15024	K.LAEEGMNVAR.L	1393.741	0.00548	2	1	27.9	0
P12163_1_F6,14451	K.SCNADIHVIVK.I	1864.057	0.00351	2	1	29.1	0
P12163_1_F8,14329	K.SCNADIHVIVK.I	1864.057	0.00195	2	1	40.5	0
P12163_2_F1,15924	K.TIDLVK.E	1296.835	0.00478	2	1	24.8	0

P12163_2_F7,9703	K.VM*HTVALR.T	1246.724	-0.0014	3	1	22.9	0
P12163_2_F7,12504	K.VMHTVALR.T	1230.729	0.00269	3	1	40.5	0
P12163_1_F8,12182	R.EGADAVM*LSGETAHG	2197.138	0.01191	3	1	30.2	0
P12163_1_F7,13452	R.EGADAVMLSGETAHG	2181.143	0.00693	3	1	28.9	0
P12163_1_F8,13996	R.EGADAVMLSGETAHG	2181.143	0.00545	2	1	61	0
P12163_2_F6,13501	R.EGADAVMLSGETAHG	2181.143	0.00591	3	1	57.2	0
P12163_1_F3,18833	R.SGDVPQPIILK.E	1775.089	0.0065	2	1	51.9	0
P12163_1_S10,1742	R.TESSLPVSITPPTQFSAI	2635.455	0.00439	4	1	38.6	0
P12163_1_F2,21084	K.ADAEIAENGFSM*LDK	2235.142	0.00075	3	1	53.4	0
P12163_1_F4,18002	K.CGTSALTFESVK.S	1908.036	0.01339	2	1	30	0
P12163_1_F4,18025	K.CGTSALTFESVK.S	1908.036	0.00487	3	1	45.4	0
P12163_2_F1,17251	K.CGTSALTFESVK.S	1908.036	0.00325	2	1	65.7	0
P12163_2_F1,17256	K.CGTSALTFESVK.S	1908.036	0.00421	3	1	49	0
P12163_2_F1,23056	K.CVFNFLSK.S	1622.918	0.00554	2	1	40.9	0
P12163_1_F5,17211	K.GFAMDTLK.R	1490.85	0.00778	3	1	32.5	0
P12163_1_F5,17252	K.GFAMDTLK.R	1490.85	0.00634	2	1	25.3	0
P12163_1_F9,14242	K.LHNFVEK.E	1494.889	0.00716	3	1	32.1	0
P12163_1_F9,14272	K.LHNFVEK.E	1494.889	0.00459	2	1	29.2	0
P12163_2_F8_1207	K.LHNFVEK.E	1494.889	0.00815	3	1	31.1	0
P12163_1_F2,22894	K.LINAIASDTTGLQAK.L	2124.248	0.00713	3	1	73.4	0
P12163_1_F3,23850	K.NILVGDFM*PSVK.F	1944.108	0.00954	3	1	43.2	0
P12163_1_F3,23873	K.NILVGDFM*PSVK.F	1944.108	0.00268	2	1	29.4	0
P12163_1_F3,23903	K.NILVGDFMPSVK.F	1928.114	0.00672	3	1	52	0
P12163_1_F3,23923	K.NILVGDFMPSVK.F	1928.114	0.00438	2	1	49.5	0
P12163_1_F4,20233	K.VFDDAESFK.A	1665.894	0.00819	2	1	33.2	0
P12163_1_F4,15577	R.GQDEFGLTK.E	1602.895	0.01221	3	1	26.3	0
P12163_1_F5,14483	R.GQDEFGLTK.E	1602.895	0.00612	2	1	31.3	0
P12163_2_F1,14542	R.GQDEFGLTK.E	1602.895	0.00819	3	1	41	0
P12163_2_F1,14595	R.GQDEFGLTK.E	1602.895	0.00494	2	1	30.6	0
P12163_1_S1,19584	R.LNPPVPLQFAR.A	1555.926	0.00246	3	1	36	0
P12163_1_F3,17601	R.VSAYLDTSEPK.H	1818.01	0.01024	2	1	56.3	0
P12163_1_F4,18053	R.VSAYLDTSEPK.H	1818.01	0.0094	2	1	48.3	0
P12163_1_F9,17028	R.VSAYLDTSEPK.H	1818.01	0.00334	2	1	39.1	0
P12163_2_F1,17281	R.VSAYLDTSEPK.H	1818.01	-0.00452	2	1	45	0
P12163_1_F3,17352	R.YESITGNSSSITAVEK.A	2294.234	0.00446	3	1	69.1	0
P12163_1_F6,19797	K.FEAAGIWYEHR.L	1682.859	0.00171	3	1	33.5	0
P12163_2_F6,19211	K.FEAAGIWYEHR.L	1682.859	0.0027	3	1	28.9	0
P12163_1_F9,18612	K.KWPLYLSTK.N	2048.267	0.01307	3	1	30.1	0
P12163_2_F9,17580	K.KWPLYLSTK.N	2048.267	0.00248	3	1	32.8	0
P12163_1_F5,15191	K.SEGGYVWACK.N	1764.92	0.00358	2	1	39.2	0
P12163_1_F6,11911	K.TIEAEAAHGTVTR.H !	1659.897	0.00126	3	1	24.2	0
P12163_1_F7,7463	K.TIEAEAAHGTVTR.H !	1659.897	0.00228	3	1	32.3	0
P12163_1_F7,10909	K.TIEAEAAHGTVTR.H !	1659.897	0.00198	3	1	42.2	0
P12163_1_F7,11225	K.TIEAEAAHGTVTR.H !	1659.897	0.00036	3	1	32.2	0
P12163_1_F8,7716	K.TIEAEAAHGTVTR.H !	1659.897	0.003	3	1	37.8	0
P12163_1_F8,11355	K.TIEAEAAHGTVTR.H !	1659.897	0.00534	3	1	36.8	0
P12163_2_F6,7635	K.TIEAEAAHGTVTR.H !	1659.897	0.00177	3	1	31.8	0
P12163_2_F6,8008	K.TIEAEAAHGTVTR.H !	1659.897	0.00231	3	1	36.1	0
P12163_2_F6,11169	K.TIEAEAAHGTVTR.H !	1659.897	0.00225	3	1	53.3	0
P12163_2_F6,11196	K.TIEAEAAHGTVTR.H !	1659.897	-0.00213	2	1	27.8	0
P12163_2_F6,11481	K.TIEAEAAHGTVTR.H !	1659.897	0.00225	3	1	52.8	0

P12163_2_F1,22501	K.WPLYLSTK.N	1615.967	0.00513	3	1	26.3	0
P12163_1_S10,1407	K.YNVAIK.C	1315.819	0.00485	3	1	25.2	0
P12163_2_F2,14319	K.YNVAIK.C	1315.819	0.00587	3	1	22.3	0
P12163_1_F3,13257	R.ATDAVIQPGK.L	1664.979	0.00832	2	1	44.3	0
P12163_1_F4,14531	R.EPIICK.N	1367.818	0.01134	3	1	22.7	0
P12163_2_S5,9795	R.HAFGDQYR.A	1297.659	0.00302	3	1	34.1	0
P12163_1_F3,27915	R.LIDDM*VAYAIK.S ! R.	1876.071	0.00822	3	1	38.5	0
P12163_1_F3,26913	R.LIDDMVAYAIK.S ! R.L	1860.076	0.00567	3	1	39.8	0
P12163_1_F3,27973	R.LIDDMVAYAIK.S ! R.L	1860.076	0.00441	3	1	25.1	0
P12163_1_F4,22587	R.LLDFTEK.L	1473.877	0.00567	2	1	25.6	0
P12163_1_F3,15656	R.NILNGTVFR.E	1337.784	0.00247	3	1	28.4	0
P12163_1_F4,21512	K.AIIWSGEELGAK.F	1882.089	0.00486	3	1	38.5	0
P12163_2_F1,21016	K.AIIWSGEELGAK.F	1882.089	0.00406	2	1	64.3	0
P12163_1_F5,19287	K.DTITGETLCDADHPILI	2473.255	0.0018	3	1	83.1	0
P12163_1_F5,19318	K.DTITGETLCDADHPILI	2473.255	-0.00021	2	1	51.1	0
P12163_1_F6,19392	K.DTITGETLCDADHPILI	2473.255	0.00111	3	1	41.4	0
P12163_1_F2,20465	K.FAYEDIPADLQK.M	2018.105	0.00604	3	1	26.4	0
P12163_1_F8,19139	K.FDVVPQHIQNQLAAK.	2316.328	0.00151	3	1	41.2	0
P12163_1_F8,19199	K.FDVVPQHIQNQLAAK.	2316.328	0.00443	4	1	26.3	0
P12163_2_F6,18716	K.FDVVPQHIQNQLAAK.	2316.328	0.00442	3	1	39.9	0
P12163_2_F1,17032	K.GVVDLVK.M	1337.861	0.00806	3	1	25.1	0
P12163_1_F6,16694	K.LAQEDPSFHFSR.D	1737.886	-0.00111	3	1	21.9	0
P12163_2_F6,16025	K.LAQEDPSFHFSR.D	1737.886	0.00006	3	1	33.2	0
P12163_2_F6,16036	K.LAQEDPSFHFSR.D	1737.886	-0.00313	2	1	25.8	0
P12163_1_F3,29095	K.VALAGDIIALAGLK.D	1933.231	0.00583	3	1	40.1	0
P12163_1_F2,14242	K.VEANVGAPQVNYR.E	1720.928	0.00352	2	1	27.3	0
P12163_1_F2,19783	R.AASDDEPFAGLAFK.I	2047.096	0.00995	3	1	38.8	0
P12163_1_F4,22616	R.ASYIMQLAK.F	1632.96	0.0065	3	1	35.9	0
P12163_1_F5,21267	R.ASYIMQLAK.F	1632.96	0.00425	3	1	31.6	0
P12163_2_F1,22085	R.ASYIMQLAK.F	1632.96	0.00488	3	1	32.4	0
P12163_2_F1,22124	R.ASYIMQLAK.F	1632.96	0.00466	2	1	45.9	0
P12163_2_F9,19516	R.ASYIMQLAK.F	1632.96	-0.00007	3	1	36.1	0
P12163_1_F3,18107	R.M*DFPDPVIK.V	1685.939	0.00863	2	1	27.3	0
P12163_1_F3,20665	R.MDFPDPVIK.V	1669.944	0.00815	2	1	29.2	0
P12163_1_F3,20688	R.MDFPDPVIK.V	1669.944	0.00562	3	1	29.3	0
P12163_1_F8,17106	R.NIGIMAHIDAGK.T	1848.062	0.00571	3	1	25.2	0
P12163_2_F6,16511	R.NIGIMAHIDAGK.T	1848.062	0.00409	3	1	37.9	0
P12163_1_F3,26994	K.ECILSGLLSVDGLK.V	2112.219	0.00605	3	1	26.9	0
P12163_1_F4,24375	K.SPLM*GIFEK.R ! K.SPLI	1645.944	0.01013	3	1	23.9	0
P12163_1_F4,24361	K.SPLMGIFEK.R ! K.SPLI	1629.949	0.00714	3	1	34.1	0
P12163_1_F4,24370	K.SPLMGIFEK.R ! K.SPLI	1629.949	0.00912	2	1	35.4	0
P12163_2_F1,23752	K.SPLMGIFEK.R ! K.SPLI	1629.949	0.00375	3	1	34.9	0
P12163_1_F9,9848	K.THEGMDLTR.V	1363.694	0.00262	3	1	27	0
P12163_2_F7,9324	K.THEGMDLTR.V	1363.694	0.00181	3	1	29.1	0
P12163_1_F4,14522	K.VEFDEEGK.V	1560.837	0.01281	2	1	28	0
P12163_1_F9,11756	K.VLHM*DR.N	1090.598	0.00596	3	1	27.9	0
P12163_2_F9,11130	K.VLHM*DR.N	1090.598	0.00185	3	1	26.5	0
P12163_1_S10,1213	K.VLHMDR.N	1074.603	0.00488	3	1	24.8	0
P12163_1_F3,16636	K.VVCDPSYLPNK.V	1900.046	0.0065	2	1	29.9	0
P12163_1_F3,13573	K.VVGVTSGETAK.C	1785.021	0.00761	3	1	45.5	0
P12163_1_F3,13575	K.VVGVTSGETAK.C	1785.021	0.00601	2	1	51.8	0

P12163_2_F8_12070	K.YGLDDNTIDFIGHALA	2445.283	0.00036	4	1	24.4	0
P12163_1_F4,18027	R.DYNVDM*IPK.F	1718.924	0.00905	2	1	26.4	0
P12163_1_F4,17975	R.DYNVDMIPK.F	1702.929	0.00966	2	1	35.2	0
P12163_2_F1,17254	R.DYNVDMIPK.F	1702.929	0.0101	2	1	31.5	0
P12163_2_F6,8524	R.GNEQPPAHLGSSR.D	1653.861	-0.00305	3	1	30	0
P12163_1_F8,14837	R.VLIHTDVTK.Y	1634.01	0.00509	3	1	31.8	0
P12163_1_F8,14879	R.VLIHTDVTK.Y	1634.01	0.00754	2	1	37.4	0
P12163_1_F3,18458	R.YLNEPALDTVK.R	1871.073	0.00253	2	1	44.8	0
P12163_1_F3,18481	R.YLNEPALDTVK.R	1871.073	0.00365	3	1	42.9	0
P12163_1_F4,18970	R.YLNEPALDTVK.R	1871.073	0.01037	2	1	30.3	0
P12163_1_F9,17477	R.YLNEPALDTVK.R	1871.073	0.00842	3	1	36.8	0
P12163_2_F1,18266	R.YLNEPALDTVK.R	1871.073	0.00567	2	1	25	0
P12163_2_F9,19629	K.DGFSWWIHR.I	1507.775	0.00212	3	1	24.7	0
P12163_1_F2,5870	K.NPHLPHNHER.N	1554.819	0.00377	4	1	30.6	0
P12163_1_F3,5829	K.NPHLPHNHER.N	1554.819	0.00309	4	1	22.1	0
P12163_2_F2,5973	K.NPHLPHNHER.N	1554.819	0.00485	4	1	38.5	0
P12163_1_F9,12988	K.SQLENFHK.D	1610.911	0.00756	3	1	37.4	0
P12163_1_F6,18017	R.AGVLLHPTSFR.G	1501.879	0.00353	3	1	26	0
P12163_2_S3,15415	R.AGVLLHPTSFR.G	1501.879	0.0044	3	1	21.9	0
P12163_2_S5,16545	R.AGVLLHPTSFR.G	1501.879	0.00176	3	1	26.3	0
P12163_1_F2,13824	R.DLLSTYGR.L	1228.684	0.00272	3	1	37.1	0
P12163_1_F2,17462	R.DLYDEFR.I	1261.637	0.00341	2	1	34.1	0
P12163_2_F9,16700	R.DLYDEFR.I	1261.637	0.00317	2	1	36.3	0
P12163_1_F3,23475	R.GFAGFWAVPSEAK.V	1975.09	0.00328	3	1	32.7	0
P12163_1_F4,24244	R.GFAGFWAVPSEAK.V	1975.09	0.00553	3	1	22.6	0
P12163_1_F4,24297	R.GFAGFWAVPSEAK.V	1975.09	0.00569	2	1	27.7	0
P12163_1_S1,20867	R.GPYGIGDFGAEAFR.F	1760.891	0.00523	2	1	56.7	0
P12163_1_S1,20921	R.GPYGIGDFGAEAFR.F	1760.891	0.00196	3	1	78.6	0
P12163_1_F2,15467	R.LIQSDGELK.S	1610.957	0.00094	2	1	24.4	0
P12163_1_F4,16927	R.LIQSDGELK.S	1610.957	0.0054	2	1	28.6	0
P12163_2_F1,16194	R.LIQSDGELK.S	1610.957	0.00558	2	1	27.2	0
P12163_1_F7,9944	R.NQVVYTGTHDNTIR.	2037.03	-0.00002	4	1	32.7	0
P12163_1_F7,11076	R.NQVVYTGTHDNTIR.	2037.03	0.00236	3	1	42.5	0
P12163_1_F7,11089	R.NQVVYTGTHDNTIR.	2037.03	-0.00711	2	1	29.3	0
P12163_2_F9,11108	R.NQVVYTGTHDNTIR.	2037.03	0.0047	3	1	50.9	0
P12163_2_F2,17080	R.SWWDTSK.N	1517.821	0.00851	2	1	25.4	0
P12163_2_F1,21682	R.VNFAAVADLK.D	1655.994	0.00629	3	1	46.2	0
P12163_2_F1,21710	R.VNFAAVADLK.D	1655.994	0.01023	2	1	49.7	0
P12163_2_F1,18837	K.IESIDSLK.N	1512.909	0.00686	2	1	31.8	0
P12163_1_F5,11649	K.IGPDVK.C ! R.LGPDVK	1236.777	0.00703	3	1	25.9	0
P12163_2_F1,12190	K.IGPDVK.C ! R.LGPDVK	1236.777	0.00127	3	1	24.2	0
P12163_1_F9,14399	K.SAEVINHLK.S	1618.974	0.00564	3	1	34.8	0
P12163_1_F9,14410	K.SAEVINHLK.S	1618.974	0.00863	2	1	51.3	0
P12163_2_F7,13044	K.SAEVINHLK.S	1618.974	0.00297	3	1	30.6	0
P12163_2_F9,13565	K.SAEVINHLK.S	1618.974	0.00603	3	1	26.3	0
P12163_2_F9,13598	K.SAEVINHLK.S	1618.974	0.00661	2	1	36.2	0
P12163_1_S1,19006	R.ADALM*LSGESAMGQ	2492.262	0.00829	3	1	52.1	0
P12163_1_S1,21398	R.ADALMLSGESAMGQF	2476.267	0.01733	3	1	57.3	0
P12163_1_S1,11166	R.AEVADVSEAVR.Q	1449.785	0.00103	3	1	25	0
P12163_1_S1,14169	R.AEVADVSEAVR.Q	1449.785	0.00895	2	1	30.9	0
P12163_1_S1,14229	R.AEVADVSEAVR.Q	1449.785	0.0124	3	1	59.2	0

P12163_1_S1,14390	R.AEVADVSEAVR.Q	1449.785	0.00855	2	1	40.6	0
P12163_1_S1,14456	R.AEVADVSEAVR.Q	1449.785	0.00592	3	1	44	0
P12163_2_F7,9305	R.AFDSRPER.T	1378.738	0.00173	3	1	22.2	0
P12163_1_F8,19713	R.CRPDCPIFAFTSTTSVR	2319.153	0.00632	3	1	26.1	0
P12163_1_S1,17107	R.CTDPGLLLPR.A	1445.809	0.00372	3	1	32.3	0
P12163_1_S1,17345	R.CTDPGLLLPR.A	1445.809	0.00087	2	1	29.3	0
P12163_1_F3,16058	R.DSDIAVIAK.I	1539.92	0.00579	3	1	33.5	0
P12163_1_S1,17020	R.GDLGAQIPLEQVPSAQ	2487.403	0.00829	3	1	41.9	0
P12163_1_S1,17076	R.GDLGAQIPLEQVPSAQ	2487.403	0.00667	4	1	45.7	0
P12163_1_F4,18676	R.NAMLPTISPK.D	1679.997	0.00636	2	1	36	0
P12163_2_F1,17937	R.NAMLPTISPK.D	1679.997	0.00428	2	1	35.5	0
P12163_1_S1,16964	R.TITVNYDGAEDVK.V	2180.17	0.01277	3	1	27.3	0
P12163_1_F4,15057	K.CEVVDGGELK.S	1713.93	0.01053	3	1	38.6	0
P12163_1_F3,25572	K.DNVIAIMLDTK.G	1841.066	0.00772	2	1	56.4	0
P12163_1_F3,25650	K.DNVIAIMLDTK.G	1841.066	0.00796	3	1	37.2	0
P12163_1_S1,15962	K.EGEEVALLQSGR.Q	1591.859	0.0089	3	1	50.2	0
P12163_1_S10,9382	K.EYNAQSK.D	1447.8	0.0112	2	1	27.2	0
P12163_1_S1,13000	K.IVCTIGPSTNTR.E	1622.884	0.00381	3	1	40.5	0
P12163_1_S1,14411	K.IVCTIGPSTNTR.E	1622.884	-0.0012	2	1	26.2	0
P12163_1_F4,16690	K.SATLPSITEK.D	1654.984	0.0066	3	1	37.9	0
P12163_1_F4,16720	K.SATLPSITEK.D	1654.984	0.00567	2	1	34.7	0
P12163_2_F1,15893	K.SATLPSITEK.D	1654.984	0.00323	2	1	28.1	0
P12163_2_F1,15899	K.SATLPSITEK.D	1654.984	0.01197	3	1	27	0
P12163_1_F8,14664	K.SCGADIHVIVK.I	1807.036	0.00351	2	1	42.4	0
P12163_2_F6,14091	K.SCGADIHVIVK.I	1807.036	0.00575	3	1	22.5	0
P12163_2_F6,14098	K.SCGADIHVIVK.I	1807.036	0.00319	2	1	24.3	0
P12163_1_F3,23506	K.VDFYAVSFVK.D	1783.025	0.00884	2	1	45.1	0
P12163_1_F4,24302	K.VDFYAVSFVK.D	1783.025	0.00066	2	1	24.4	0
P12163_2_F7,12487	K.VM*HTVSLR.T	1262.719	0.00388	3	1	28	0
P12163_1_F9,13816	K.VMHTVSLR.T	1246.724	0.00535	3	1	30.1	0
P12163_2_F4,12802	K.VMHTVSLR.T	1246.724	0.00469	3	1	31	0
P12163_1_F8,12182	R.EGADAVM*LSGETAHG	2197.138	0.01191	3	1	30.2	0
P12163_1_F7,13452	R.EGADAVMLSGETAHG	2181.143	0.00693	3	1	28.9	0
P12163_1_F8,13996	R.EGADAVMLSGETAHG	2181.143	0.00545	2	1	61	0
P12163_2_F6,13501	R.EGADAVMLSGETAHG	2181.143	0.00591	3	1	57.2	0
P12163_1_S1,19111	R.TEATITGGAMPPNLGQ	2512.369	0.00798	3	1	38.3	0
P12163_1_F7,15811	R.VEPEVVPVSPEDVPKR	2384.365	0.00645	3	1	36.7	0
P12163_1_F3,22141	K.ALNAMNLDMDIK.Y	1957.071	0.00171	2	1	39.9	0
P12163_1_F2,14758	K.CVLIEGSGPR.A	1391.762	0.00314	2	1	23.9	0
P12163_1_F4,20851	K.GAPFSLCLTQK.Y	1830.04	0.00718	3	1	32.5	0
P12163_2_F1,20326	K.GAPFSLCLTQK.Y	1830.04	0.00948	2	1	50.8	0
P12163_2_F1,20328	K.GAPFSLCLTQK.Y	1830.04	0.00481	3	1	37.6	0
P12163_2_F10,1372	K.GNVHPNGVAVITLDRI	2395.403	0.00271	3	1	30.6	0
P12163_2_F10,1376	K.GNVHPNGVAVITLDRI	2395.403	0.0034	4	1	23.7	0
P12163_1_F4,15343	K.GVVAEIQK.D	1451.904	0.00657	2	1	50.9	0
P12163_2_F1,14335	K.GVVAEIQK.D	1451.904	0.00457	2	1	50.9	0
P12163_1_S1,20255	K.SFLDEWESDPR.V	1684.812	0.00429	2	1	50.3	0
P12163_1_F3,23155	K.VFTAESLICK.I	1939.082	0.00734	3	1	39.5	0
P12163_1_F4,23954	K.VFTAESLICK.I	1939.082	0.0086	2	1	34.9	0
P12163_1_F3,13806	K.YSSDPEGEAPLK.L	1901.011	0.00608	2	1	42.2	0
P12163_1_F3,13839	K.YSSDPEGEAPLK.L	1901.011	0.01026	3	1	33.7	0

P12163_1_F9,13670	K.YSSDPEGEAPLK.L	1901.011	0.0022	2	1	35.7	0
P12163_1_F4,18330	R.AFCAGMDIK.G	1620.87	0.00214	2	1	31	0
P12163_1_F5,17030	R.AFCAGMDIK.G	1620.87	0.00958	2	1	42.5	0
P12163_1_F5,17040	R.AFCAGMDIK.G	1620.87	0.01011	3	1	39.2	0
P12163_2_F1,17543	R.AFCAGMDIK.G	1620.87	0.00388	2	1	42.6	0
P12163_2_F1,17579	R.AFCAGMDIK.G	1620.87	0.00516	3	1	27.1	0
P12163_1_F5,12466	R.NTPLVPK.V	1376.872	0.00583	3	1	27.3	0
P12163_1_F4,19366	R.QIHEELK.K	1480.919	0.00858	2	1	24.2	0
P12163_2_F1,18614	R.QIHEELK.K	1480.919	0.01016	2	1	29.6	0
P12163_1_F3,23708	R.TFATMAAAGAEFVK	2152.157	0.00687	3	1	50.9	0
P12163_1_F4,22626	K.AIAELLK.N	1365.893	0.00854	3	1	23	0
P12163_1_F4,22902	K.AIAELLK.N	1365.893	0.00431	3	1	24.4	0
P12163_1_F5,21404	K.AIAELLK.N	1365.893	0.0053	3	1	23.5	0
P12163_2_F1,22074	K.AIAELLK.N	1365.893	0.00527	3	1	25.2	0
P12163_2_F1,22179	K.AIAELLK.N	1365.893	0.00511	2	1	29.6	0
P12163_2_F1,22336	K.AIAELLK.N	1365.893	0.00491	3	1	25.7	0
P12163_2_F2,21890	K.AIAELLK.N	1365.893	0.00632	3	1	23.8	0
P12163_1_S1,23466	K.ANEDVAVTSLNLANN	2642.461	0.0018	3	1	63	0
P12163_1_S1,23966	K.ANEDVAVTSLNLANN	2642.461	0.00709	4	1	31.5	0
P12163_2_F1,18016	K.DLVYEMSEK.E	1721.924	0.00568	2	1	38.3	0
P12163_2_F1,15441	K.FGQSALTDK.D	1645.937	0.00379	2	1	36.1	0
P12163_1_F9,14025	K.FHGNINTLK.L	1651.974	0.00779	3	1	52.1	0
P12163_2_F8_12070	K.FHGNINTLK.L	1651.974	0.00695	3	1	32.2	0
P12163_1_F6,17340	K.GAFHVAEYIK.N	1743.005	0.00606	3	1	24.8	0
P12163_2_F6,16533	K.GAFHVAEYIK.N	1743.005	0.00507	3	1	24.8	0
P12163_1_F4,8485	K.GASAIAR.V	949.5732	0.00328	2	1	25	0
P12163_1_F3,22964	K.LAVLDIGNNSISAK.G	2023.201	0.00466	3	1	47.8	0
P12163_1_F3,22969	K.LAVLDIGNNSISAK.G	2023.201	0.00593	2	1	41.8	0
P12163_1_F3,18390	K.TLNLSGNPIGDEGVK.C	2122.196	0.00315	2	1	42.2	0
P12163_1_F6,13687	R.ELHLHGNSIGDEGIR.A	1951.03	0.00279	3	1	38.5	0
P12163_1_F3,11672	R.QSQSDNALTTAPVK.Q	2068.149	0.00765	3	1	25	0
P12163_1_F3,12353	R.QSQSDNALTTAPVK.Q	2068.149	0.00447	3	1	30.5	0
P12163_1_F3,13056	R.QSQSDNALTTAPVK.Q	2068.149	0.0066	3	1	43.8	0
P12163_1_F8,16397	R.TITTIDLGNNIHSK.G	2192.249	0.00535	3	1	57.4	0
P12163_1_F5,14166	K.AGVIAYK.I	1329.835	0.00708	2	1	28.8	0
P12163_1_F5,14190	K.AGVIAYK.I	1329.835	0.00469	3	1	27.1	0
P12163_2_F2,14956	K.AGVIAYK.I	1329.835	0.0017	2	1	29.4	0
P12163_2_F2,14977	K.AGVIAYK.I	1329.835	-0.0023	3	1	27.3	0
P12163_2_F10,13570	K.DVQVMNEGPGHIPMH	2397.263	0.00478	4	1	25.5	0
P12163_1_F9,11660	K.EHLGLPNR.D	1239.711	0.00561	3	1	23.4	0
P12163_2_F9,11039	K.EHLGLPNR.D	1239.711	0.00462	3	1	30.3	0
P12163_2_F6,16876	K.GHPLAQTWDDALSK.A	2147.171	0.0014	3	1	47.8	0
P12163_2_F6,15938	K.HLELEPM*IVGR.N	1613.899	0.00115	3	1	33.6	0
P12163_1_F8,18638	K.HLELEPMIVGR.N	1597.904	-0.00155	3	1	53.3	0
P12163_2_F6,18106	K.HLELEPMIVGR.N	1597.904	-0.00359	3	1	38.1	0
P12163_1_F7,22555	K.HTADPASPDFLPLPSFI	3109.591	0.00334	3	1	40.1	0
P12163_1_S1,17802	K.QGVITEEMLYCATR.E	1974.993	0.00833	3	1	67.8	0
P12163_1_S1,20207	K.QGVITEEMLYCATR.E	1974.993	0.00421	2	1	36.3	0
P12163_1_S1,20208	K.QGVITEEMLYCATR.E	1974.993	0.00086	3	1	90.4	0
P12163_1_F2,20518	K.VNANIGNSAVASSIEI	2702.446	0.00281	3	1	58.4	0
P12163_1_S10,16780	R.EITHEESGHILQVPFR.F	2196.171	0.00429	3	1	56.7	0

P12163_2_F4,16291	R.EITHEESGHILQVPFR.F	2196.171	0.00171	2	1	58.2	0
P12163_1_F2,4355	R.HIHETRE	1096.616	0.00266	3	1	31.9	0
P12163_1_F8,17970	R.IHLSGDEPNFDTYDTS	2964.428	0.00841	3	1	65.6	0
P12163_2_F10,1611	R.IHLSGDEPNFDTYDTS	2964.428	-0.0017	3	1	76.2	0
P12163_1_F2,21611	R.NSAVPVGTVPPIYQALE	2394.385	0.0072	3	1	45.6	0
P12163_1_S1,20155	R.NSAVPVGTVPPIYQALE	2394.385	0.01305	3	1	46	0
P12163_2_F7,10132	K.DHLQVGDTVR.S	1443.786	0.00222	3	1	28.8	0
P12163_1_F4,24091	K.FEELFPK.F	1517.882	0.00545	2	1	26.1	0
P12163_2_F1,23490	K.FEELFPK.F	1517.882	0.00564	3	1	22.5	0
P12163_2_F1,23561	K.FEELFPK.F	1517.882	0.00567	2	1	24.5	0
P12163_1_F9,16713	K.IPGLHNPLR.V	1320.805	-0.00215	3	1	49.6	0
P12163_2_F7,15016	K.IPGLHNPLR.V	1320.805	0.00382	3	1	52.1	0
P12163_1_S1,22353	K.LLPDILR.Y	1240.793	0.00278	3	1	43.7	0
P12163_1_S1,22482	K.LLPDILR.Y	1240.793	0.00269	2	1	26.5	0
P12163_1_F2,6943	R.EGVPATAAAR.-	1246.706	0.00333	3	1	29.1	0
P12163_1_F2,9169	R.EGVPATAAAR.-	1246.706	0.00253	2	1	24.1	0
P12163_2_F2,11899	R.GGEWATGK.I	1413.795	0.00605	2	1	32.5	0
P12163_2_F2,11919	R.GGEWATGK.I	1413.795	-0.00246	3	1	30.9	0
P12163_1_F5,13734	R.GNYSEIQMAK.A	1748.946	0.00453	2	1	38.1	0
P12163_2_F1,13955	R.GNYSEIQMAK.A	1748.946	-0.00125	2	1	46.1	0
P12163_1_F7,16262	R.KPQTMVDPAGTVVGL	2810.481	-0.00011	3	1	51.6	0
P12163_1_F6,19481	R.TVVATPTQTRPWIDPT	2719.56	0.00394	4	1	26.8	0
P12163_1_F3,14569	R.VGANVFTPR.F	1264.732	0.01088	3	1	30	0
P12163_1_F3,16273	R.VGANVFTPR.F	1264.732	0.00276	2	1	24.4	0
P12163_1_F3,8389	R.VQESSLER.V	1251.685	0.00139	3	1	26.5	0
P12163_1_F5,15843	R.YGIQLAK.G	1400.872	0.00407	2	1	26	0
P12163_2_F8_12070	K.AFSHM*LNLANLAEI	2598.376	0.00182	4	1	27.1	0
P12163_2_S5,16346	K.DITPDDKQELDEALQR	2494.324	0.0059	4	1	33.4	0
P12163_2_F1,20412	K.DLWSFGEK.L	1589.878	0.01303	3	1	27.6	0
P12163_1_F8,19696	K.GLLLQIAGHK.D	1658.057	0.00595	3	1	50	0
P12163_2_F6,19080	K.GLLLQIAGHK.D	1658.057	0.00421	3	1	51.8	0
P12163_2_F6,19083	K.GLLLQIAGHK.D	1658.057	0.00637	2	1	37.7	0
P12163_1_F3,26975	K.IAALYDQLLVSK.D	1942.183	-0.00102	3	1	40.3	0
P12163_1_F3,26999	K.IAALYDQLLVSK.D	1942.183	0.00303	2	1	64.9	0
P12163_1_S1,24359	K.LIEYDALLDR.F	1637.942	0.00291	2	1	26.6	0
P12163_1_F3,23730	K.SPEEIFDALK.N	1756.994	0.00747	2	1	24.2	0
P12163_1_F3,23765	K.SPEEIFDALK.N	1756.994	0.00549	3	1	34.7	0
P12163_1_F9,10116	R.ADVLR.S	1014.6	0.00361	3	1	34.1	0
P12163_2_F9,9761	R.ADVLR.S	1014.6	-0.00101	3	1	39.6	0
P12163_1_F3,20217	R.DLLEGPYLK.Q ! K.DI	1771.01	0.00961	3	1	36.1	0
P12163_1_S1,16215	R.LATPELEYGR.M	1452.8	0.01063	3	1	50.6	0
P12163_1_F5,16659	R.NCLAQLYAK.D	1688.961	0.00523	2	1	41.7	0
P12163_1_F5,16686	R.NCLAQLYAK.D	1688.961	0.0029	3	1	29.1	0
P12163_2_F2,17428	R.NCLAQLYAK.D	1688.961	0.00649	2	1	27.1	0
P12163_2_F2,17451	R.NCLAQLYAK.D	1688.961	0.00551	3	1	43.1	0
P12163_2_F1,10714	R.VNYEETK.G	1490.831	0.00227	2	1	28.2	0
P12163_2_F1,20572	K.DWVAACLVK.L	1669.956	0.01361	3	1	35.6	0
P12163_2_F1,20578	K.DWVAACLVK.L	1669.956	0.01328	2	1	24.2	0
P12163_1_F3,22046	K.EAAGGVLANLALS.S	1922.153	0.00918	2	1	43.3	0
P12163_1_S1,24299	K.IANTDILPLLIK.S	1932.235	-0.00356	3	1	27.3	0
P12163_1_F3,19834	K.NLDISESLMEK.T	1887.035	0.00536	3	1	58.9	0

P12163_1_F3,19851	K.NLDISESLMEK.T	1887.035	0.00121	2	1	52.1	0
P12163_1_F6,18518	K.SNHNILVEAGVIPK.L	2099.243	0.00311	3	1	42.2	0
P12163_1_F8,18246	R.AAESIADISINEHM*R.M	1977.001	0.00355	3	1	32.4	0
P12163_1_F8,18210	R.AAESIADISINEHMR.M	1961.006	0.00628	3	1	74.8	0
P12163_1_F8,18214	R.AAESIADISINEHMR.M	1961.006	-0.00149	2	1	51.9	0
P12163_1_F3,22011	R.AVASEGGIFPLVK.L	1896.141	-0.00405	3	1	24.2	0
P12163_2_F1,22455	R.AVASEGGIFPLVK.L	1896.141	0.00633	3	1	38.8	0
P12163_2_F1,21127	R.EQAVEALWK.Y	1681.973	0.01148	3	1	33.9	0
P12163_1_S1,14778	R.IGAIESEDGR.K	1350.717	0.00711	2	1	29.2	0
P12163_2_F7,11246	R.LATTHALER.L	1315.764	0.00303	3	1	39.5	0
P12163_1_S1,15044	R.SESSAACEAAAGLLR.S	1796.911	0.00809	3	1	48.2	0
P12163_1_S1,17267	R.SESSAACEAAAGLLR.S	1796.911	0.00554	2	1	64.2	0
P12163_1_S1,17285	R.SESSAACEAAAGLLR.S	1796.911	0.00305	3	1	52.8	0
P12163_1_F3,12490	R.SISSINVYR.D	1342.763	0.0006	3	1	25.4	0
P12163_1_F4,19304	K.ADFEMLEK.K	1590.866	0.00906	2	1	39	0
P12163_2_F2,15837	K.AMEWGEPK.V	1555.84	0.00346	2	1	23.9	0
P12163_2_F1,11846	K.CADSDEWK.G	1618.799	0.00836	2	1	25.7	0
P12163_1_F2,20587	K.EANANLDEVVALAK.I	2065.175	0.00355	3	1	29.9	0
P12163_1_F6,20244	K.HQYDWDAAATAANFLI	2083.03	0.00414	3	1	40.6	0
P12163_2_F6,20002	K.HQYDWDAAATAANFLI	2083.03	0.00678	3	1	31.2	0
P12163_2_F7,19708	K.LGVDFWCFHDR.D	1755.858	0.00117	3	1	25.5	0
P12163_1_F3,23888	K.WYNPEEVILGK.K	1956.105	0.01064	3	1	31.4	0
P12163_1_F4,24632	K.WYNPEEVILGK.K	1956.105	0.00353	3	1	24.9	0
P12163_2_F8_12070	K.YGLINDFK.L	1577.915	0.00525	3	1	26.9	0
P12163_1_F5,18309	R.ANFEFIDK.L	1591.894	0.01069	2	1	33.4	0
P12163_1_F5,18336	R.ANFEFIDK.L	1591.894	0.00796	3	1	28	0
P12163_1_F2,13844	R.DIAPDGETLK.E	1666.947	0.00368	2	1	28.4	0
P12163_1_F3,14280	R.DIAPDGETLK.E	1666.947	0.00334	2	1	27.2	0
P12163_1_S1,17754	R.EGYQSLNNTDMGR.E	1787.89	0.00472	2	1	57.2	0
P12163_1_S1,17757	R.EGYQSLNNTDMGR.E	1787.89	0.00027	3	1	54.6	0
P12163_1_F4,17271	R.YQSFSEIGQK.I	1910.012	0.00637	2	1	48.7	0
P12163_1_F4,17289	R.YQSFSEIGQK.I	1910.012	0.00869	3	1	35.3	0
P12163_2_F1,16453	R.YQSFSEIGQK.I	1910.012	0.00631	2	1	42.9	0
P12163_2_F4,7645	K.APQNTPVAHAGTTTD'	2415.243	0.0079	4	1	38.1	0
P12163_1_S10,8220	K.EHGVGAQDK.G	1548.859	0.01366	3	1	43.9	0
P12163_1_F6,12379	K.GEETPGSQSHSAPVG	2671.286	0.0028	3	1	25.4	0
P12163_2_F10,11711	K.GEETPGSQSHSAPVG	2671.286	0.00682	3	1	26.7	0
P12163_2_F4,11381	K.GEETPGSQSHSAPVG	2671.286	0.00109	3	1	26.8	0
P12163_1_F3,18820	K.GGEEAGISPTLSSFEEK.I	2217.186	0.00907	3	1	57.8	0
P12163_1_F3,18868	K.GGEEAGISPTLSSFEEK.I	2217.186	0.0075	2	1	46.1	0
P12163_1_F4,12404	K.IPGTTNTGSEK.E	1712.964	0.00572	2	1	32.3	0
P12163_2_F1,11550	K.IPGTTNTGSEK.E	1712.964	0.00364	2	1	43.7	0
P12163_1_F3,15447	K.ISSATPAIAAK.A	1638.005	0.01067	2	1	45.5	0
P12163_2_F9,7966	K.LRPGEDR.A	1275.696	0.00338	3	1	29.7	0
P12163_1_S1,6407	K.STGTTEATGQSGVNAC	1897.952	0.00321	3	1	30.2	0
P12163_1_S1,6628	K.STGTTEATGQSGVNAC	1897.952	0.00495	3	1	67.4	0
P12163_2_F10,1546	K.STSSRPVTEVVSDALH	2259.199	0.00007	4	1	28.4	0
P12163_1_F2,19117	K.VNVGLTSVVDEAPK.A	2036.185	0.00655	3	1	72.6	0
P12163_1_F2,7514	K.VTESEEVAR.R	1323.706	0.00491	3	1	38.9	0
P12163_1_S1,23703	R.ALSQVITEALR.K	1504.9	0.00317	3	1	47.8	0
P12163_1_S1,23871	R.ALSQVITEALR.K	1504.9	0.00171	2	1	38.1	0

P12163_1_S1,23919	R.ALSQVITEALR.K	1504.9	0.00263	3	1	49.7	0
P12163_1_F4,12084	K.AFDQQGNPTK.A	1713.938	0.00958	2	1	32.5	0
P12163_1_F5,10670	K.AFDQQGNPTK.A	1713.938	0.00412	2	1	45.8	0
P12163_2_F1,11133	K.AFDQQGNPTK.A	1713.938	0.00152	2	1	48.8	0
P12163_1_F4,25500	K.DLM*LQLLNK.Q	1712.024	0.01075	3	1	34.1	0
P12163_1_F5,19113	K.FADFQGQLK.G	1661.947	0.01215	2	1	43.6	0
P12163_2_F9,14166	K.GILFHEK.L	1451.883	0.00644	2	1	29.3	0
P12163_1_F8,14125	K.LSHGEVQAFGTPR.R	1702.918	0.00187	3	1	45.2	0
P12163_2_F6,13598	K.LSHGEVQAFGTPR.R	1702.918	-0.00145	2	1	38.5	0
P12163_1_F2,20588	K.QDFDFEESR.S	1637.775	0.00312	2	1	29.1	0
P12163_1_S1,20162	K.QDFDFEESR.S	1637.775	0.00633	2	1	29.2	0
P12163_1_S1,20217	K.QDFDFEESR.S	1637.775	0.00109	3	1	58.1	0
P12163_1_F2,15720	K.VQNAESYAGVM*R.N	1644.832	0.00476	2	1	35.9	0
P12163_1_F3,14131	R.GFVGVTER.A	1168.663	0.0029	2	1	28.4	0
P12163_1_F3,27526	R.ISYGLVQILIEK.D	1984.23	0.00468	3	1	32.6	0
P12163_2_F2,18472	R.QCAQLWLK.T	1654.956	0.00341	2	1	29	0
P12163_2_F8_12070	R.RLEQFLVDK.G	1756.058	0.00756	3	1	27.8	0
P12163_1_F2,20666	R.YAVPIDSLVTK.A	1814.088	-0.0004	3	1	41.6	0
P12163_1_F3,21000	R.YAVPIDSLVTK.A	1814.088	-0.00148	3	1	54.3	0
P12163_1_F3,18122	K.GSNELPPVEELK.V	1920.09	0.00426	2	1	25.2	0
P12163_1_F3,24274	K.NELGAPIEQFFK.T	2001.126	0.0049	3	1	31	0
P12163_1_F2,14496	K.QQQQSGTQLVEQIR.K	1947.056	0.00477	2	1	49.3	0
P12163_1_F4,19062	K.QVINVAGLAK.K	1621.026	0.0059	3	1	37.3	0
P12163_1_F4,19081	K.QVINVAGLAK.K	1621.026	0.00694	2	1	59.7	0
P12163_2_F1,18358	K.QVINVAGLAK.K	1621.026	0.0071	2	1	57.5	0
P12163_2_F1,18371	K.QVINVAGLAK.K	1621.026	0.0053	3	1	45.8	0
P12163_2_F9,18067	K.RLFDIDLR.N	1351.8	-0.00017	3	1	44.2	0
P12163_1_S10,1511	K.TFEDRPIAAASLGQVH	2172.183	0.00037	4	1	25.6	0
P12163_2_F10,1409	K.TFEDRPIAAASLGQVH	2172.183	0.00125	4	1	38.3	0
P12163_1_F3,24455	K.VAAPYAQELLDLK.Q	2039.2	0.00574	3	1	44.6	0
P12163_1_F3,24466	K.VAAPYAQELLDLK.Q	2039.2	0.00538	2	1	32.2	0
P12163_1_F3,23197	K.VLTLEYVPGVK.I	1826.125	0.00192	2	1	54.2	0
P12163_1_F4,19063	R.EFVDELAK.L	1558.894	0.01129	3	1	27.8	0
P12163_2_F1,18310	R.EFVDELAK.L	1558.894	0.00664	3	1	25.5	0
P12163_1_F3,23276	R.ESVLQLGPTFIK.L	1940.168	-0.00134	2	1	34.5	0
P12163_2_F1,18243	R.ILFDNAK.W	1428.867	0.00483	2	1	25.4	0
P12163_2_F1,15837	R.VPAFSPEK.A	1482.878	0.0088	3	1	21.9	0
P12163_1_S1,18291	K.DDIEPFLR.W	1308.71	0.00548	2	1	27.1	0
P12163_1_F2,13338	K.DPSINQPTIGK.V	1778.027	0.00712	3	1	24.4	0
P12163_1_F3,24793	K.GVADFLQEVTSK.K	1902.079	0.01008	3	1	43.7	0
P12163_1_F3,24810	K.GVADFLQEVTSK.K	1902.079	0.00251	2	1	51.5	0
P12163_2_F6,13698	K.HEVDVSNLAVQDK.K	2062.139	-0.00189	3	1	34.8	0
P12163_1_F7,17476	K.ITYCGHELNEFVPQR.T	2167.091	0.0074	3	1	34.5	0
P12163_1_F6,10912	K.SQAHPASLVK.E	1645.985	0.0128	3	1	21.9	0
P12163_1_F3,5710	K.TEGVGEDR.L	1166.595	0.00401	2	1	33.6	0
P12163_1_F4,15331	K.TGGYIEGDIK.I	1660.937	0.00722	2	1	31	0
P12163_2_F1,24387	K.TTLM*LALAGK.L	1643.002	-0.0036	3	1	26.3	0
P12163_1_S1,22245	K.TTLMDVLAGR.K	1380.782	0.00404	2	1	38.6	0
P12163_1_F4,25086	K.TTLMLALAGK.L	1627.007	0.01011	3	1	22.8	0
P12163_2_F1,24371	K.TTLMLALAGK.L	1627.007	-0.00111	3	1	25.8	0
P12163_2_F1,24403	K.TTLMLALAGK.L	1627.007	0.00081	2	1	50.1	0

P12163_2_F1,5895	R.GGQSISSGSR.R	1239.659	0.00333	2	1	33.1	0
P12163_1_F3,22766	R.MTLLLGPPGAGK.T! -.	1763.071	0.00862	2	1	37.5	0
P12163_1_F3,22782	R.MTLLLGPPGAGK.T! -.	1763.071	0.00918	3	1	36.8	0
P12163_2_F1,23085	R.MTLLLGPPGAGK.T! -.	1763.071	0.00332	2	1	26.8	0
P12163_2_F1,8605	K.DTAAGVDSK.H	1471.821	-0.00412	2	1	33	0
P12163_2_F1,24642	K.ILAEANTLLK.L	1694.067	0.00649	3	1	32.4	0
P12163_1_F9,6788	K.RGETSGELNER.L	1551.803	0.00398	3	1	33.1	0
P12163_1_F4,23585	K.SATINSIFDEVK.F	1932.09	0.00638	2	1	55.7	0
P12163_1_F4,23597	K.SATINSIFDEVK.F	1932.09	0.01792	3	1	34.8	0
P12163_1_F2,19071	R.AYFDELEYR.E	1509.753	0.00345	2	1	25.9	0
P12163_1_F7,18081	R.LGQTPHNVVVAQVLY	2098.207	0.00002	3	1	31.2	0
P12163_1_F2,20091	R.LGVSELGAGVENEIQK	2251.275	0.00777	3	1	57.7	0
P12163_2_F2,13032	R.MNAELQK.N	1441.829	0.00573	2	1	26.4	0
P12163_1_S1,16465	R.SDVAYGGSLEAQLR.D	1769.933	-0.00049	3	1	27.4	0
P12163_1_S1,10713	R.SSTQVTGECNVQPSPQ	2939.499	0.01043	3	1	28.3	0
P12163_1_S1,11544	R.VVMTGGAMTSR.S	1413.75	0.00781	3	1	21.9	0
P12163_1_F9,6137	R.VVQHPR.V	1039.631	0.00346	3	1	26.8	0
P12163_2_F9,6587	R.VVQHPR.V	1039.631	0.00067	3	1	22.4	0
P12163_1_F9,17470	K.DHDWELFDR.L	1536.738	0.00081	3	1	25.3	0
P12163_1_F8,18495	K.DQPLVSVFSHR.E	1588.875	-0.00151	3	1	54.5	0
P12163_2_F1,21616	K.EIVNIFK.I	1470.914	0.00432	3	1	23.3	0
P12163_1_F6,16488	K.HFELLIHR.Q	1368.805	0.00343	3	1	30	0
P12163_2_F7,14392	K.HFELLIHR.Q	1368.805	0.00187	3	1	25.9	0
P12163_1_F3,24255	K.IPIEVGGFLK.Q	1681.051	0.00583	3	1	30.4	0
P12163_1_F4,23600	K.ISESFLLDPK.E	1791.015	0.00288	2	1	25.9	0
P12163_1_F4,23614	K.ISESFLLDPK.E	1791.015	0.00738	3	1	31.1	0
P12163_2_F1,22269	K.QFLNEVFNSR.N	1557.833	0.00395	2	1	25.1	0
P12163_1_F3,17302	K.VDPALIAPNK.L	1646.01	0.00605	2	1	33.1	0
P12163_2_F6,10015	R.DQIGNDTLNHR.T	1586.819	0.00179	3	1	27.3	0
P12163_1_F9,19396	R.FSHLFLR.N	1223.72	0.00402	3	1	30.5	0
P12163_1_F3,28344	R.LIVSLLYLPK.G	1767.16	0.00512	3	1	27.2	0
P12163_1_F5,20550	R.SSLISSFYK.A	1639.951	0.00791	2	1	24.6	0
P12163_1_F6,18319	K.DTLEFHGWGK.H	1740.953	0.00277	3	1	22.7	0
P12163_1_F9,17617	K.DTLEFHGWGK.H	1740.953	0.00526	3	1	22.3	0
P12163_1_F9,17635	K.DTLEFHGWGK.H	1740.953	0.00651	2	1	36.7	0
P12163_1_F9,17822	K.DTLEFHGWGK.H	1740.953	0.00613	3	1	26.8	0
P12163_2_F7,15657	K.DTLEFHGWGK.H	1740.953	0.00403	3	1	36.6	0
P12163_2_F9,16991	K.DTLEFHGWGK.H	1740.953	0.00517	3	1	22.8	0
P12163_2_F9,17000	K.DTLEFHGWGK.H	1740.953	0.00885	2	1	25.2	0
P12163_1_F4,20484	K.LVSWESVSK.R	1642.962	0.00744	2	1	45.2	0
P12163_1_F4,20499	K.LVSWESVSK.R	1642.962	0.00075	3	1	49.7	0
P12163_1_F5,19215	K.LVSWESVSK.R	1642.962	0.00018	3	1	42.2	0
P12163_1_F6,19334	K.LVSWESVSK.R	1642.962	0.00318	3	1	35.8	0
P12163_1_F7,18052	K.LVSWESVSK.R	1642.962	0.00723	3	1	42.1	0
P12163_1_F9,18893	K.LVSWESVSK.R	1642.962	0.00363	3	1	32.1	0
P12163_1_S10,1842	K.LVSWESVSK.R	1642.962	0.00189	3	1	29.4	0
P12163_2_F1,19865	K.LVSWESVSK.R	1642.962	0.0042	2	1	38.3	0
P12163_2_F1,20015	K.LVSWESVSK.R	1642.962	0.00993	3	1	39.7	0
P12163_2_F4,17624	K.LVSWESVSK.R	1642.962	0.00042	3	1	29.7	0
P12163_2_F4,17666	K.LVSWESVSK.R	1642.962	0.00088	2	1	25.3	0
P12163_2_S5,17314	K.LVSWESVSK.R	1642.962	0.00153	3	1	39.3	0

P12163_2_S5,18049	K.LVSWESVSK.R	1642.962	0.00498	3	1	42.3	0
P12163_1_F2,14587	K.QIVGTELGDGK.S	1725	0.00517	3	1	53.8	0
P12163_1_F3,13339	K.QIVGTELGDGK.S	1725	0.00667	3	1	26.8	0
P12163_1_F3,13345	K.QIVGTELGDGK.S	1725	0.00749	2	1	24.7	0
P12163_1_F3,13617	K.QIVGTELGDGK.S	1725	0.00541	3	1	26.7	0
P12163_1_F3,15347	K.QIVGTELGDGK.S	1725	0.00019	2	1	33.4	0
P12163_1_F3,15358	K.QIVGTELGDGK.S	1725	0.00484	3	1	55.3	0
P12163_1_F4,13849	K.QIVGTELGDGK.S	1725	0.0061	3	1	33	0
P12163_1_F5,14553	K.QIVGTELGDGK.S	1725	-0.00433	2	1	26.7	0
P12163_1_F6,14738	K.QIVGTELGDGK.S	1725	0.00094	3	1	44.7	0
P12163_1_S1,13962	K.QIVGTELGDGK.S	1725	0.00646	3	1	53.8	0
P12163_2_S3,11294	K.QIVGTELGDGK.S	1725	0.00262	3	1	27.4	0
P12163_2_S3,12705	K.QIVGTELGDGK.S	1725	-0.00437	3	1	32.9	0
P12163_1_F3,16829	K.SLEDVVIASYNK.G	1946.105	0.00637	4	1	24.8	0
P12163_1_F3,16832	K.SLEDVVIASYNK.G	1946.105	0.00544	2	1	43.7	0
P12163_1_F3,17672	K.SLEDVVIASYNK.G	1946.105	0.00734	2	1	43.1	0
P12163_1_F3,20466	K.SLEDVVIASYNK.G	1946.105	0.00492	2	1	65.2	0
P12163_1_F4,21181	K.SLEDVVIASYNK.G	1946.105	0.00766	3	1	50.1	0
P12163_1_F6,19558	K.SLEDVVIASYNK.G	1946.105	0.00292	3	1	32.8	0
P12163_1_F6,19605	K.SLEDVVIASYNK.G	1946.105	-0.00122	2	1	68.7	0
P12163_1_F6,19987	K.SLEDVVIASYNK.G	1946.105	0.00418	3	1	26.5	0
P12163_1_F6,19989	K.SLEDVVIASYNK.G	1946.105	-0.00172	2	1	25	0
P12163_1_F7,19121	K.SLEDVVIASYNK.G	1946.105	0.00328	3	1	34.3	0
P12163_1_F8,20084	K.SLEDVVIASYNK.G	1946.105	0.00508	3	1	26.6	0
P12163_1_F9,19553	K.SLEDVVIASYNK.G	1946.105	-0.00206	3	1	37.2	0
P12163_1_S10,1894	K.SLEDVVIASYNK.G	1946.105	0.00832	3	1	23.8	0
P12163_2_F4,18669	K.SLEDVVIASYNK.G	1946.105	0.00787	3	1	34.2	0
P12163_2_F7,17837	K.SLEDVVIASYNK.G	1946.105	0.00523	3	1	41.4	0
P12163_2_S3,16877	K.SLEDVVIASYNK.G	1946.105	-0.00239	3	1	25	0
P12163_1_F6,17177	K.SLLVVK.T	1266.861	0.00306	2	1	26.8	0
P12163_1_F6,17210	K.SLLVVK.T	1266.861	0.00948	3	1	27.4	0
P12163_1_F8,16566	K.SLLVVK.T	1266.861	0.003	2	1	24.9	0
P12163_2_F1,17003	K.SLLVVK.T	1266.861	0.00288	3	1	38	0
P12163_2_F2,351	K.SLLVVK.T	1266.861	0.00381	3	1	27.6	0
P12163_2_F2,849	K.SLLVVK.T	1266.861	0.00494	2	1	24.2	0
P12163_2_F2,1793	K.SLLVVK.T	1266.861	0.00579	3	1	27	0
P12163_2_F2,17539	K.SLLVVK.T	1266.861	0.00564	2	1	27.2	0
P12163_2_F2,17558	K.SLLVVK.T	1266.861	0.00546	3	1	34.8	0
P12163_2_F2,17795	K.SLLVVK.T	1266.861	0.00405	3	1	21.9	0
P12163_2_F8_12070	K.SLLVVK.T	1266.861	0.00639	3	1	22.6	0
P12163_2_S5,15480	K.SLLVVK.T	1266.861	0.00321	3	1	24.4	0
P12163_1_F2,15347	R.ADVANAVNPLPSEK.D	2033.149	0.00382	2	1	50	0
P12163_1_F2,15503	R.ADVANAVNPLPSEK.D	2033.149	0.00337	3	1	29.3	0
P12163_1_F2,15957	R.ADVANAVNPLPSEK.D	2033.149	0.00679	3	1	47.8	0
P12163_1_F2,16073	R.ADVANAVNPLPSEK.D	2033.149	0.00463	4	1	46.8	0
P12163_1_F2,16211	R.ADVANAVNPLPSEK.D	2033.149	0.00293	2	1	69	0
P12163_1_F2,16383	R.ADVANAVNPLPSEK.D	2033.149	0.00337	3	1	42.6	0
P12163_1_F2,16470	R.ADVANAVNPLPSEK.D	2033.149	0.00473	2	1	55.6	0
P12163_1_F3,16459	R.ADVANAVNPLPSEK.D	2033.149	0.00268	3	1	26.9	0
P12163_1_F3,16590	R.ADVANAVNPLPSEK.D	2033.149	0.00436	2	1	61.2	0
P12163_1_F3,16774	R.ADVANAVNPLPSEK.D	2033.149	-0.00005	3	1	35.4	0

P12163_1_F3,17138	R.ADVANAVNPLPSEK.D	2033.149	0.01671	2	1	27.1	0
P12163_1_F5,15439	R.ADVANAVNPLPSEK.D	2033.149	-0.00644	2	1	66.8	0
P12163_1_F5,15889	R.ADVANAVNPLPSEK.D	2033.149	0.00526	2	1	53.7	0
P12163_1_F8,16300	R.ADVANAVNPLPSEK.D	2033.149	-0.00143	3	1	23.1	0
P12163_2_F2,16003	R.ADVANAVNPLPSEK.D	2033.149	0.00104	2	1	66.5	0
P12163_2_F2,16249	R.ADVANAVNPLPSEK.D	2033.149	-0.00314	2	1	62.4	0
P12163_2_F4,15192	R.ADVANAVNPLPSEK.D	2033.149	0.00328	2	1	53.7	0
P12163_1_F8,15149	R.ADVANAVNPLPSEKDI	2580.476	0.0059	3	1	43.8	0
P12163_1_F8,15391	R.ADVANAVNPLPSEKDI	2580.476	0.01338	4	1	28.4	0
P12163_1_S10,1458	R.ADVANAVNPLPSEKDI	2580.476	0.00558	4	1	29.4	0
P12163_2_F6,15345	R.ADVANAVNPLPSEKDI	2580.476	0.01289	3	1	27.5	0
P12163_2_F6,20565	R.ADVANAVNPLPSEKDI	2580.476	0.00308	3	1	31.3	0
P12163_2_F6,21212	R.ADVANAVNPLPSEKDI	2580.476	0.00053	3	1	41.3	0
P12163_1_F5,12944	R.AYVDNLNK.Q	1544.889	0.00758	2	1	40.4	0
P12163_1_F5,13183	R.AYVDNLNK.Q	1544.889	0.0045	2	1	38.3	0
P12163_1_F6,13821	R.AYVDNLNK.Q	1544.889	0.00491	2	1	54.3	0
P12163_1_F7,13152	R.AYVDNLNK.Q	1544.889	0.00581	2	1	37.4	0
P12163_1_F7,13163	R.AYVDNLNK.Q	1544.889	0.00645	3	1	28.2	0
P12163_1_F8,13094	R.AYVDNLNK.Q	1544.889	0.00192	2	1	32.1	0
P12163_1_F8,13096	R.AYVDNLNK.Q	1544.889	-0.00111	3	1	32.2	0
P12163_1_S10,1382	R.AYVDNLNK.Q	1544.889	0.008	2	1	38.7	0
P12163_2_F1,12472	R.AYVDNLNK.Q	1544.889	0.00688	2	1	25	0
P12163_2_F1,13407	R.AYVDNLNK.Q	1544.889	0.00489	3	1	37.4	0
P12163_2_F1,13560	R.AYVDNLNK.Q	1544.889	0.0027	2	1	39.5	0
P12163_2_F2,13790	R.AYVDNLNK.Q	1544.889	0.00784	2	1	39.7	0
P12163_2_F2,13803	R.AYVDNLNK.Q	1544.889	0.00561	3	1	41.9	0
P12163_2_F8_12070	R.AYVDNLNK.Q	1544.889	0.00438	3	1	36.4	0
P12163_2_S5,12388	R.AYVDNLNK.Q	1544.889	0.00195	3	1	36.3	0
P12163_2_S5,12432	R.AYVDNLNK.Q	1544.889	0.00311	2	1	35.5	0
P12163_2_S5,12643	R.AYVDNLNK.Q	1544.889	-0.00174	3	1	34.2	0
P12163_2_S5,13041	R.AYVDNLNK.Q	1544.889	0.00534	3	1	42.9	0
P12163_1_F5,15564	R.DFGSF EK.F	1437.783	0.0071	2	1	27.2	0
P12163_1_F6,16146	R.DFGSF EK.F	1437.783	0.00722	2	1	28.3	0
P12163_2_F1,15793	R.DFGSF EK.F	1437.783	0.00425	3	1	28	0
P12163_2_F1,15796	R.DFGSF EK.F	1437.783	0.00696	2	1	25.4	0
P12163_1_F5,22526	R.FLEEFK.S ! K.FLEEFK..	1420.83	0.00492	2	1	26	0
P12163_1_F5,22753	R.FLEEFK.S ! K.FLEEFK..	1420.83	0.00394	2	1	26.6	0
P12163_1_F6,21627	R.FLEEFK.S ! K.FLEEFK..	1420.83	0.00616	2	1	25.1	0
P12163_1_F7,20836	R.FLEEFK.S ! K.FLEEFK..	1420.83	0.0043	2	1	27.4	0
P12163_2_F1,22438	R.FLEEFK.S ! K.FLEEFK..	1420.83	0.00622	2	1	24.3	0
P12163_2_F2,21999	R.FLEEFK.S ! K.FLEEFK..	1420.83	0.00652	2	1	24.5	0
P12163_2_S5,19995	R.FLEEFK.S ! K.FLEEFK..	1420.83	0.00072	3	1	25.1	0
P12163_1_F6,17997	R.RPDYISVFM*DK.L	1995.083	0.00207	3	1	41.3	0
P12163_1_F6,20168	R.RPDYISVFM*DK.L	1995.083	0.00714	3	1	38.1	0
P12163_1_F9,17312	R.RPDYISVFM*DK.L	1995.083	0.01152	3	1	27.1	0
P12163_1_F9,17498	R.RPDYISVFM*DK.L	1995.083	0.00702	3	1	28.7	0
P12163_1_F9,19720	R.RPDYISVFM*DK.L	1995.083	0.00534	3	1	30.4	0
P12163_1_F9,19957	R.RPDYISVFM*DK.L	1995.083	0.00414	3	1	29.7	0
P12163_2_F6,17370	R.RPDYISVFM*DK.L	1995.083	0.00933	3	1	29.3	0
P12163_2_F6,19872	R.RPDYISVFM*DK.L	1995.083	0.00576	3	1	35.5	0
P12163_2_F7,15408	R.RPDYISVFM*DK.L	1995.083	0.00369	3	1	38.3	0

P12163_2_F7,18030 R.RPDYISVFM*DK.L	1995.083	0.00268	4	1	23.1	0
P12163_2_F7,18059 R.RPDYISVFM*DK.L	1995.083	0.00774	3	1	37.7	0
P12163_2_F7,18258 R.RPDYISVFM*DK.L	1995.083	0.00492	3	1	29.6	0
P12163_1_F6,20149 R.RPDYISVFM*DK.L	1979.088	0.00378	3	1	39.4	0
P12163_1_F9,19693 R.RPDYISVFM*DK.L	1979.088	0.00648	3	1	32.6	0
P12163_1_S10,1897 R.RPDYISVFM*DK.L	1979.088	0.00285	3	1	22.4	0
P12163_2_F10,1785 R.RPDYISVFM*DK.L	1979.088	0.00513	3	1	24	0
P12163_2_F6,19850 R.RPDYISVFM*DK.L	1979.088	0.00519	3	1	47.1	0
P12163_2_F7,18087 R.RPDYISVFM*DK.L	1979.088	-0.0018	3	1	33.9	0
P12163_2_F7,18099 R.RPDYISVFM*DK.L	1979.088	0.00351	2	1	34.4	0
P12163_2_F9,18968 R.RPDYISVFM*DK.L	1979.088	0.00756	3	1	31.8	0
P12163_1_F3,17432 K.EGLPAFPM*GK.I	1670.94	0.00417	3	1	23.5	0
P12163_1_F3,17461 K.EGLPAFPM*GK.I	1670.94	0.00561	2	1	25.9	0
P12163_1_F4,20492 K.EGLPAFPM*GK.I	1670.94	0.01025	2	1	25.8	0
P12163_2_F4,17674 K.EGLPAFPM*GK.I	1670.94	0.00183	3	1	22.5	0
P12163_1_F3,19899 K.EGLPAFPM*GK.I	1654.945	0.01238	2	1	33.7	0
P12163_1_F5,19190 K.EGLPAFPM*GK.I	1654.945	0.00328	2	1	29.1	0
P12163_1_F5,19199 K.EGLPAFPM*GK.I	1654.945	0.00228	3	1	26.1	0
P12163_1_F6,18869 K.EGLPAFPM*GK.I	1654.945	0.00159	3	1	23.7	0
P12163_2_F1,19891 K.EGLPAFPM*GK.I	1654.945	0.0138	3	1	22	0
P12163_2_F1,20134 K.EGLPAFPM*GK.I	1654.945	0.00578	2	1	31.7	0
P12163_2_F4,17632 K.EGLPAFPM*GK.I	1654.945	0.00474	3	1	23.4	0
P12163_1_F6,13779 K.EINGAGINSSFAVHQD	2390.2	0.00363	3	1	53.2	0
P12163_1_F6,14593 K.EINGAGINSSFAVHQD	2390.2	0.00726	3	1	65.8	0
P12163_1_F6,15944 K.EINGAGINSSFAVHQD	2390.2	0.01194	3	1	83.4	0
P12163_1_F7,13845 K.EINGAGINSSFAVHQD	2390.2	0.00246	3	1	50.9	0
P12163_1_F7,15188 K.EINGAGINSSFAVHQD	2390.2	0.00495	3	1	94.9	0
P12163_1_F7,15219 K.EINGAGINSSFAVHQD	2390.2	-0.01319	2	1	32	0
P12163_1_F7,15414 K.EINGAGINSSFAVHQD	2390.2	0.00783	3	1	50.5	0
P12163_1_F8,14498 K.EINGAGINSSFAVHQD	2390.2	0.00594	3	1	32.3	0
P12163_1_F8,15883 K.EINGAGINSSFAVHQD	2390.2	0.00495	3	1	80.6	0
P12163_1_F8,15931 K.EINGAGINSSFAVHQD	2390.2	-0.00041	2	1	42	0
P12163_1_F9,15766 K.EINGAGINSSFAVHQD	2390.2	0.00531	3	1	28.5	0
P12163_2_F10,1351 K.EINGAGINSSFAVHQD	2390.2	0.00533	4	1	61.7	0
P12163_2_F10,1353 K.EINGAGINSSFAVHQD	2390.2	0.0072	3	1	64	0
P12163_2_F10,1448 K.EINGAGINSSFAVHQD	2390.2	0.00204	3	1	83.2	0
P12163_2_F10,1467 K.EINGAGINSSFAVHQD	2390.2	0.0093	3	1	91.6	0
P12163_2_F4,13512 K.EINGAGINSSFAVHQD	2390.2	0.00348	3	1	74.8	0
P12163_2_F4,14828 K.EINGAGINSSFAVHQD	2390.2	0.0057	3	1	66.3	0
P12163_2_S5,13704 K.EINGAGINSSFAVHQD	2390.2	-0.01495	4	1	52.4	0
P12163_2_S5,13705 K.EINGAGINSSFAVHQD	2390.2	-0.00984	3	1	31.9	0
P12163_2_S5,14902 K.EINGAGINSSFAVHQD	2390.2	0.00441	3	1	54.5	0
P12163_2_S5,14919 K.EINGAGINSSFAVHQD	2390.2	0.00253	4	1	67.3	0
P12163_1_F4,18072 K.NIGVIAVCPK.G	1679.013	0.00546	3	1	34.4	0
P12163_1_F4,18077 K.NIGVIAVCPK.G	1679.013	0.00611	2	1	41.1	0
P12163_1_F4,18323 K.NIGVIAVCPK.G	1679.013	0.00789	3	1	48.6	0
P12163_1_F4,18329 K.NIGVIAVCPK.G	1679.013	0.01207	2	1	30.8	0
P12163_1_F5,16865 K.NIGVIAVCPK.G	1679.013	0.00623	2	1	38	0
P12163_1_F5,16881 K.NIGVIAVCPK.G	1679.013	0.00681	3	1	44.2	0
P12163_1_F6,17306 K.NIGVIAVCPK.G	1679.013	0.00711	2	1	41.1	0
P12163_1_F7,16041 K.NIGVIAVCPK.G	1679.013	-0.00051	3	1	31	0

P12163_1_F7,16454 K.NIGVIAVCPK.G	1679.013	0.00063	3	1	31.9	0
P12163_1_S10,1613 K.NIGVIAVCPK.G	1679.013	0.00384	3	1	33.1	0
P12163_2_F1,17381 K.NIGVIAVCPK.G	1679.013	0.00153	3	1	36.9	0
P12163_2_F1,17390 K.NIGVIAVCPK.G	1679.013	0.00501	2	1	41.2	0
P12163_2_F1,17640 K.NIGVIAVCPK.G	1679.013	0.00531	2	1	35.8	0
P12163_2_F4,15629 K.NIGVIAVCPK.G	1679.013	-0.00141	3	1	35.8	0
P12163_2_F4,15633 K.NIGVIAVCPK.G	1679.013	0.00249	2	1	26.7	0
P12163_2_F4,15954 K.NIGVIAVCPK.G	1679.013	-0.00357	3	1	24.7	0
P12163_2_F4,16182 K.NIGVIAVCPK.G	1679.013	0.00486	3	1	28.3	0
P12163_1_F3,16441 K.NTVECITGIISK.I	1943.109	0.00565	4	1	25.6	0
P12163_1_F3,16474 K.NTVECITGIISK.I	1943.109	0.00208	2	1	45.9	0
P12163_1_F3,20236 K.NTVECITGIISK.I	1943.109	0.00353	3	1	56	0
P12163_1_F3,20621 K.NTVECITGIISK.I	1943.109	0.00654	2	1	61	0
P12163_1_F4,21226 K.NTVECITGIISK.I	1943.109	0.00638	3	1	48.3	0
P12163_1_F4,21236 K.NTVECITGIISK.I	1943.109	0.00642	2	1	62.4	0
P12163_1_F5,20042 K.NTVECITGIISK.I	1943.109	0.0013	2	1	46.1	0
P12163_1_F5,20080 K.NTVECITGIISK.I	1943.109	0.00491	3	1	32.9	0
P12163_1_F6,20037 K.NTVECITGIISK.I	1943.109	0.00548	3	1	44	0
P12163_1_F6,20041 K.NTVECITGIISK.I	1943.109	-0.00224	2	1	55.9	0
P12163_1_F6,21127 K.NTVECITGIISK.I	1943.109	0.00029	3	1	28.7	0
P12163_1_F8,20158 K.NTVECITGIISK.I	1943.109	0.00038	3	1	29.3	0
P12163_2_F1,20743 K.NTVECITGIISK.I	1943.109	0.00995	3	1	47	0
P12163_2_F1,20797 K.NTVECITGIISK.I	1943.109	0.00392	2	1	77.9	0
P12163_2_F4,18486 K.NTVECITGIISK.I	1943.109	-0.00592	3	1	34	0
P12163_2_F4,18759 K.NTVECITGIISK.I	1943.109	0.00179	3	1	44.2	0
P12163_2_S3,16728 K.NTVECITGIISK.I	1943.109	0.00422	3	1	43.2	0
P12163_1_F5,12128 K.SDIVVK.V	1268.803	0.01028	2	1	30.9	0
P12163_2_F1,12611 K.SDIVVK.V	1268.803	0.00674	2	1	31.1	0
P12163_1_F6,11251 R.DSLAEAK.S	1341.783	0.00421	3	1	22.4	0
P12163_1_F8,10459 R.DSLAEAK.S	1341.783	0.00133	3	1	23.9	0
P12163_2_F1,10713 R.DSLAEAK.S	1341.783	0.00263	3	1	24.8	0
P12163_2_S5,10025 R.DSLAEAK.S	1341.783	0.0074	3	1	24.7	0
P12163_1_F3,17950 R.FTENGMNEDLAYK.N	2140.084	0.0144	3	1	39.1	0
P12163_1_F3,18010 R.FTENGMNEDLAYK.N	2140.084	0.003	2	1	64.9	0
P12163_1_S1,12194 R.GVSFM*VDNCSTTAR..	1864.883	0.001	3	1	52.9	0
P12163_1_S1,13455 R.GVSFM*VDNCSTTAR..	1864.883	0.00542	2	1	51.2	0
P12163_1_S1,13477 R.GVSFM*VDNCSTTAR..	1864.883	0.01069	3	1	74.4	0
P12163_1_S1,13707 R.GVSFM*VDNCSTTAR..	1864.883	0.00224	2	1	31.4	0
P12163_1_S1,13727 R.GVSFM*VDNCSTTAR..	1864.883	0.00196	3	1	55.6	0
P12163_1_S1,14343 R.GVSFMVDNCSTTAR.L	1848.889	0.00151	3	1	64.8	0
P12163_1_S1,15977 R.GVSFMVDNCSTTAR.L	1848.889	0.0001	2	1	53.9	0
P12163_1_S1,15993 R.GVSFMVDNCSTTAR.L	1848.889	0.00358	3	1	64.1	0
P12163_2_F6,16158 R.GVSFMVDNCSTTAR.L	1848.889	0.00754	2	1	60	0
P12163_2_F9,12906 R.RFTENGM*NEDLAYK.	2312.18	0.01077	3	1	30	0
P12163_2_F9,14580 R.RFTENGMNEDLAYK.N	2296.185	0.00972	3	1	43.1	0
P12163_1_F3,12385 R.SDIFGER.G ! R.SDIFGE	1127.6	0.00279	3	1	22.2	0
P12163_1_F3,15292 R.SDIFGER.G ! R.SDIFGE	1127.6	0.0025	2	1	27.9	0
P12163_1_F3,8658 R.SVVLAGR.R	1005.636	0.00243	3	1	35	0
P12163_2_F1,8147 R.SVVLAGR.R	1005.636	0.00498	3	1	43.5	0
P12163_1_F4,25190 K.AAEIEALLK.S	1565.972	0.00726	3	1	35.4	0
P12163_1_F4,25197 K.AAEIEALLK.S	1565.972	0.00003	2	1	47.9	0

P12163_1_F4,25435	K.AAEIEALLK.S	1565.972	0.00599	2	1	46.9	0
P12163_1_F4,25542	K.AAEIEALLK.S	1565.972	0.0048	3	1	29.8	0
P12163_1_F5,23457	K.AAEIEALLK.S	1565.972	0.00501	2	1	48.4	0
P12163_1_F5,23467	K.AAEIEALLK.S	1565.972	0.00705	3	1	36.1	0
P12163_1_F5,23647	K.AAEIEALLK.S	1565.972	0.00799	2	1	53.3	0
P12163_1_F5,23657	K.AAEIEALLK.S	1565.972	0.00681	3	1	46.5	0
P12163_1_F7,21803	K.AAEIEALLK.S	1565.972	0.00261	3	1	39	0
P12163_1_F7,22105	K.AAEIEALLK.S	1565.972	0.00132	3	1	33.9	0
P12163_1_F7,22402	K.AAEIEALLK.S	1565.972	0.00597	3	1	42.8	0
P12163_2_F1,24466	K.AAEIEALLK.S	1565.972	0.00301	2	1	48.7	0
P12163_2_F1,24485	K.AAEIEALLK.S	1565.972	0.00576	3	1	34.8	0
P12163_2_F1,24686	K.AAEIEALLK.S	1565.972	0.00649	2	1	53.2	0
P12163_2_F1,24703	K.AAEIEALLK.S	1565.972	0.00621	3	1	34.9	0
P12163_2_S5,21048	K.AAEIEALLK.S	1565.972	0.00066	3	1	23.8	0
P12163_1_F3,10569	K.EALASNDDTK.A	1671.901	-0.0012	2	1	29.5	0
P12163_1_F4,9988	K.EALASNDDTK.A	1671.901	0.00788	2	1	27.9	0
P12163_1_F4,10039	K.EALASNDDTK.A	1671.901	0.00798	3	1	28	0
P12163_1_F4,10304	K.EALASNDDTK.A	1671.901	0.00666	2	1	29.5	0
P12163_1_F4,11247	K.EALASNDDTK.A	1671.901	0.00888	2	1	41.1	0
P12163_1_F7,9492	K.EALASNDDTK.A	1671.901	0.0006	2	1	30.8	0
P12163_2_F1,10394	K.EALASNDDTK.A	1671.901	0.00752	2	1	36.2	0
P12163_2_F1,10401	K.EALASNDDTK.A	1671.901	0.00567	3	1	25.8	0
P12163_2_F4,9410	K.EALASNDDTK.A	1671.901	-0.00116	2	1	28.5	0
P12163_1_F5,14886	K.INNSYQSIYK.Q	1838.027	0.00562	2	1	54.8	0
P12163_1_F5,14911	K.INNSYQSIYK.Q	1838.027	0.00631	3	1	44.6	0
P12163_1_S10,1527	K.INNSYQSIYK.Q	1838.027	0.00775	3	1	25.5	0
P12163_2_F1,15356	K.INNSYQSIYK.Q	1838.027	0.00348	2	1	51.8	0
P12163_2_F10,1434	K.INNSYQSIYK.Q	1838.027	0.0019	3	1	41.7	0
P12163_2_F2,15635	K.INNSYQSIYK.Q	1838.027	0.0091	2	1	50.1	0
P12163_2_F2,15680	K.INNSYQSIYK.Q	1838.027	0.00448	3	1	38.6	0
P12163_2_F4,14384	K.INNSYQSIYK.Q	1838.027	0.00538	3	1	22.4	0
P12163_2_F8,12070	K.INNSYQSIYK.Q	1838.027	0.00904	3	1	37.6	0
P12163_2_F2,11024	K.SFEDEK.I	1362.736	0.00605	3	1	26.2	0
P12163_1_F5,7990	K.VQTEGEEK.I	1527.847	0.00398	2	1	34.7	0
P12163_1_F5,8009	K.VQTEGEEK.I	1527.847	0.0052	3	1	23	0
P12163_2_F1,8504	K.VQTEGEEK.I	1527.847	0.0073	2	1	34.9	0
P12163_2_F1,8613	K.VQTEGEEK.I	1527.847	0.00538	3	1	29.1	0
P12163_2_S5,8301	K.VQTEGEEK.I	1527.847	0.00298	3	1	31.1	0
P12163_1_S1,14963	K.VVNLSEELSAER.A	1649.901	0.004	3	1	37.9	0
P12163_1_S1,16766	K.VVNLSEELSAER.A	1649.901	0.00295	3	1	57.6	0
P12163_1_S1,16967	K.VVNLSEELSAER.A	1649.901	-0.00005	3	1	56.1	0
P12163_1_S1,19519	K.VVNLSEELSAER.A	1649.901	0.00394	2	1	58	0
P12163_1_F7,20348	R.EDSTEFDEGVIIIEFRK	2651.366	0.00611	3	1	31.9	0
P12163_1_F2,16095	R.ISADFDNFR.K	1388.711	0.00082	3	1	30.2	0
P12163_1_F3,19788	R.ISADFDNFR.K	1388.711	0.00386	2	1	27.3	0
P12163_1_F6,18687	R.ISADFDNFR.K	1388.711	0.00476	2	1	29.7	0
P12163_2_F4,17892	R.ISADFDNFR.K	1388.711	0.00296	2	1	25.1	0
P12163_2_F6,15242	R.KVVNLSEELSAER.A	2082.201	0.00558	4	1	34.7	0
P12163_2_F6,17209	R.KVVNLSEELSAER.A	2082.201	0.00274	2	1	38.4	0
P12163_2_F6,17211	R.KVVNLSEELSAER.A	2082.201	0.00312	3	1	35.8	0
P12163_1_S1,26242	R.LLQVLDNFER.A	1550.884	0.00481	2	1	32.3	0

P12163_1_S1,17939	R.LSLVTNAQGEVM*ER.	1866.99	0.00288	3	1	43.4	0
P12163_1_S1,18124	R.LSLVTNAQGEVM*ER.	1866.99	0.003	2	1	54.8	0
P12163_1_S1,18178	R.LSLVTNAQGEVM*ER.	1866.99	0.00363	3	1	53.9	0
P12163_1_S1,19359	R.LSLVTNAQGEVMER.L	1850.995	0.00192	2	1	33.8	0
P12163_1_S1,19471	R.LSLVTNAQGEVMER.L	1850.995	0.00357	3	1	75.9	0
P12163_1_S1,19632	R.LSLVTNAQGEVMER.L	1850.995	0.0032	2	1	69.6	0
P12163_1_S1,19749	R.LSLVTNAQGEVMER.L	1850.995	0.00337	3	1	64.7	0
P12163_1_S1,19837	R.LSLVTNAQGEVMER.L	1850.995	0.0043	2	1	46.3	0
P12163_2_F4,6807	K.ASAHMK.G	1252.729	-0.00488	3	1	23.5	0
P12163_1_F5,10369	K.GASYEDVK.A	1476.815	0.00953	3	1	33.7	0
P12163_1_S10,1177	K.GASYEDVK.A	1476.815	0.00533	3	1	36.3	0
P12163_2_F1,10764	K.GASYEDVK.A	1476.815	0.00749	2	1	33.6	0
P12163_2_F1,10784	K.GASYEDVK.A	1476.815	0.0071	3	1	46.4	0
P12163_1_F7,20495	K.GILGYTDEDVVSNDV	2462.199	0.00505	3	1	22.5	0
P12163_1_F7,20512	K.GILGYTDEDVVSNDV	2462.199	0.00104	2	1	27	0
P12163_1_F3,11768	K.LTGM*AFR.V	1115.618	0.00465	3	1	27.5	0
P12163_1_F3,15690	K.LTGM*AFR.V	1115.618	0.00489	3	1	29.1	0
P12163_1_F3,15646	K.LTGMAFR.V	1099.624	0.00336	3	1	31.5	0
P12163_1_F5,8020	K.TVDGPSMK.D	1442.813	0.00311	3	1	27.1	0
P12163_2_F1,10964	K.TVDGPSMK.D	1442.813	0.00491	3	1	29.3	0
P12163_1_F4,18363	K.VLPDLNGK.L	1463.904	0.00799	2	1	41.1	0
P12163_1_F5,17208	K.VLPDLNGK.L	1463.904	0.00989	2	1	28.5	0
P12163_1_F7,16285	K.VLPDLNGK.L	1463.904	-0.00045	3	1	25.1	0
P12163_1_F5,11321	K.YASEGLK.G	1462.836	0.00347	3	1	41.4	0
P12163_2_F2,12045	K.YASEGLK.G	1462.836	0.00371	3	1	36.4	0
P12163_2_F8_12070	K.YASEGLK.G	1462.836	0.00735	2	1	25.4	0
P12163_2_F8_12070	K.YASEGLK.G	1462.836	-0.00016	3	1	33.5	0
P12163_2_S5,11094	K.YASEGLK.G	1462.836	-0.00016	3	1	24.8	0
P12163_1_F4,13685	K.YDSTHGVPK.G	1661.911	0.00801	2	1	33.4	0
P12163_1_F6,13152	K.YDSTHGVPK.G	1661.911	0.00563	3	1	27.4	0
P12163_1_F6,13159	K.YDSTHGVPK.G	1661.911	0.00749	2	1	47	0
P12163_1_F9,13090	K.YDSTHGVPK.G	1661.911	0.01441	2	1	30.2	0
P12163_2_F7,11909	K.YDSTHGVPK.G	1661.911	0.00296	3	1	42.6	0
P12163_2_F7,11911	K.YDSTHGVPK.G	1661.911	0.00423	2	1	40.3	0
P12163_1_F3,11981	R.GASQNIIPSSTGAAK.A	2010.144	0.00473	3	1	29	0
P12163_1_F3,13781	R.GASQNIIPSSTGAAK.A	2010.144	0.00434	3	1	48.9	0
P12163_1_F3,13792	R.GASQNIIPSSTGAAK.A	2010.144	0.00413	2	1	63.7	0
P12163_1_F4,12536	R.GASQNIIPSSTGAAK.A	2010.144	0.00313	2	1	36.9	0
P12163_1_F4,14266	R.GASQNIIPSSTGAAK.A	2010.144	0.00674	3	1	47	0
P12163_1_F4,14336	R.GASQNIIPSSTGAAK.A	2010.144	0.01255	2	1	69.6	0
P12163_1_F6,13245	R.GASQNIIPSSTGAAK.A	2010.144	0.00221	3	1	28.9	0
P12163_1_F9,13673	R.GASQNIIPSSTGAAK.A	2010.144	0.01418	3	1	22.9	0
P12163_2_F1,13300	R.GASQNIIPSSTGAAK.A	2010.144	0.00326	3	1	53.8	0
P12163_2_F1,13303	R.GASQNIIPSSTGAAK.A	2010.144	0.00093	2	1	56	0
P12163_2_F2,3669	R.GASQNIIPSSTGAAK.A	2010.144	0.00347	3	1	24.5	0
P12163_2_F4,12292	R.GASQNIIPSSTGAAK.A	2010.144	0.00245	3	1	44.1	0
P12163_1_F5,15104	R.SSIFDAK.A	1375.804	0.00563	3	1	26.5	0
P12163_1_F5,15244	R.SSIFDAK.A	1375.804	0.00682	2	1	29.2	0
P12163_1_F5,15341	R.SSIFDAK.A	1375.804	0.00626	3	1	27.2	0
P12163_1_F6,15886	R.SSIFDAK.A	1375.804	0.00758	2	1	27.6	0
P12163_1_F7,15102	R.SSIFDAK.A	1375.804	0.00394	2	1	26.2	0

P12163_1_F8,15164	R.SSIFDAK.A	1375.804	0.00368	3	1	28.3	0
P12163_2_F1,15096	R.SSIFDAK.A	1375.804	0.00644	3	1	28.6	0
P12163_2_F1,15296	R.SSIFDAK.A	1375.804	0.00706	2	1	28.6	0
P12163_2_F1,15305	R.SSIFDAK.A	1375.804	0.00575	3	1	24.7	0
P12163_2_F1,15530	R.SSIFDAK.A	1375.804	0.0044	2	1	27.7	0
P12163_2_F2,15863	R.SSIFDAK.A	1375.804	0.00134	3	1	36.5	0
P12163_2_F2,15866	R.SSIFDAK.A	1375.804	0.00482	2	1	28.9	0
P12163_2_F8_12070	R.SSIFDAK.A	1375.804	0.00378	2	1	27.6	0
P12163_2_S5,14318	R.SSIFDAK.A	1375.804	0.00308	3	1	26.5	0
P12163_1_F7,23896	R.VLDLIEHM*ALVAAH	1966.073	0.00264	3	1	35.9	0
P12163_1_F7,24055	R.VLDLIEHM*ALVAAH	1966.073	0.00261	3	1	40.2	0
P12163_1_F7,14482	K.AAAM*ALVQHPVVNA	2391.31	0.00214	3	1	46.8	0
P12163_1_F8,15199	K.AAAM*ALVQHPVVNA	2391.31	0.00395	4	1	47.1	0
P12163_1_F8,15209	K.AAAM*ALVQHPVVNA	2391.31	0.00523	3	1	47.8	0
P12163_2_F6,14668	K.AAAM*ALVQHPVVNA	2391.31	0.01228	3	1	31.1	0
P12163_2_F6,14693	K.AAAM*ALVQHPVVNA	2391.31	0.00327	4	1	38.6	0
P12163_2_S5,13899	K.AAAM*ALVQHPVVNA	2391.31	0.00603	4	1	34.5	0
P12163_1_F7,16889	K.AAAMALVQHPVVNA	2375.315	0.00694	3	1	52	0
P12163_1_F7,16911	K.AAAMALVQHPVVNA	2375.315	0.00183	4	1	33	0
P12163_1_F8,17783	K.AAAMALVQHPVVNA	2375.315	0.00571	4	1	25	0
P12163_1_F8,17787	K.AAAMALVQHPVVNA	2375.315	0.00541	3	1	59.1	0
P12163_2_F6,17258	K.AAAMALVQHPVVNA	2375.315	0.00232	3	1	59.9	0
P12163_2_S5,16082	K.AAAMALVQHPVVNA	2375.315	0.00187	4	1	37.9	0
P12163_2_S5,16086	K.AAAMALVQHPVVNA	2375.315	0.00385	3	1	35.1	0
P12163_1_F4,11808	K.AAGIAPSK.S	1322.825	0.0071	3	1	27.1	0
P12163_1_F7,10236	K.AAGIAPSK.S	1322.825	0.00167	3	1	30.8	0
P12163_2_F1,10951	K.AAGIAPSK.S	1322.825	0.00562	2	1	25.9	0
P12163_2_F4,13082	K.AASAGAAAPASHPVT	3173.741	0.00508	4	1	22	0
P12163_2_F4,14413	K.AASAGAAAPASHPVT	3173.741	0.0034	4	1	36.3	0
P12163_2_F4,14467	K.AASAGAAAPASHPVT	3173.741	0.00016	3	1	51.3	0
P12163_1_F4,16858	K.GVTM*TALLAK.A	1628.987	0.003	3	1	22.3	0
P12163_1_F6,19816	K.GVTM*TALLAK.A	1628.987	-0.00063	3	1	26.6	0
P12163_1_F7,19003	K.GVTM*TALLAK.A	1628.987	-0.0006	3	1	32.4	0
P12163_1_F7,19446	K.GVTM*TALLAK.A	1628.987	0.00531	3	1	23.8	0
P12163_1_F4,21445	K.GVTMTALLAK.A	1612.992	0.0069	3	1	28.4	0
P12163_2_F1,20941	K.GVTMTALLAK.A	1612.992	0.00563	2	1	59.7	0
P12163_2_F1,20946	K.GVTMTALLAK.A	1612.992	0.00414	3	1	25.4	0
P12163_2_F1,23783	K.LDLYLLSQK.W	1701.041	0.00582	3	1	30.6	0
P12163_2_F1,23792	K.LDLYLLSQK.W	1701.041	0.00729	2	1	36.9	0
P12163_2_F9,20615	K.LDLYLLSQK.W	1701.041	0.00759	3	1	30.9	0
P12163_1_F8,15315	K.M*LVNVTADHR.I	1475.794	0.0035	3	1	33	0
P12163_2_F6,11884	K.M*LVNVTADHR.I	1475.794	0.00143	3	1	38.8	0
P12163_2_F6,14696	K.M*LVNVTADHR.I	1475.794	0.00161	3	1	30.6	0
P12163_1_F8,15302	K.MLVNVTADHR.I	1459.799	0.00885	2	1	24.2	0
P12163_1_F8,15447	K.MLVNVTADHR.I	1459.799	0.00248	3	1	48.7	0
P12163_2_F6,14714	K.MLVNVTADHR.I	1459.799	0.00441	2	1	26.7	0
P12163_2_F6,14780	K.MLVNVTADHR.I	1459.799	-0.00027	3	1	62.6	0
P12163_1_S1,18675	K.NM*IESLSVPTFR.V	1713.915	0.00467	3	1	51.3	0
P12163_1_S1,19082	K.NMIESLSVPTFR.V	1697.92	0.0041	3	1	35.8	0
P12163_1_S1,21184	K.NMIESLSVPTFR.V	1697.92	0.00249	2	1	26.3	0
P12163_1_S1,21212	K.NMIESLSVPTFR.V	1697.92	0.00242	3	1	57.8	0

P12163_1_F4,12914	K.TVATPYAK.K	1458.878	0.00712	2	1	25.1	0
P12163_1_F9,12371	K.TVATPYAK.K	1458.878	0.00366	2	1	30	0
P12163_1_F2,7067	K.VAESAPSGPR.K	1274.701	0.00249	3	1	29.2	0
P12163_1_F2,8378	K.VAESAPSGPR.K	1274.701	0.00261	3	1	36.1	0
P12163_1_S1,18408	R.EIFM*PALSSTMTEGK.	2266.192	0.0102	3	1	35	0
P12163_1_S1,21256	R.EIFMPALSSTMTEGK.I	2250.197	-0.00357	3	1	46.7	0
P12163_1_S1,21418	R.EIFMPALSSTMTEGK.I	2250.197	-0.0012	3	1	66.9	0
P12163_1_F3,14363	R.ITPEDVEK.A	1538.889	0.00292	3	1	35	0
P12163_1_F4,14814	R.ITPEDVEK.A	1538.889	0.00544	2	1	27.3	0
P12163_2_S3,11910	R.ITPEDVEK.A	1538.889	0.00825	3	1	32.9	0
P12163_1_F3,13271	K.DMAFTASPGTK.G	1733.935	0.00816	3	1	30.1	0
P12163_1_F3,15048	K.DMAFTASPGTK.G	1733.935	0.00926	2	1	40.1	0
P12163_1_F4,13724	K.DMAFTASPGTK.G	1733.935	0.00578	2	1	25	0
P12163_2_F1,14307	K.DMAFTASPGTK.G	1733.935	0.00507	3	1	32.5	0
P12163_2_F1,14308	K.DMAFTASPGTK.G	1733.935	0.00574	2	1	52.4	0
P12163_1_F5,9436	K.DTGIGEK.L ! K.DTGLC	1327.768	0.01078	2	1	24.4	0
P12163_2_F1,9982	K.DTGIGEK.L ! K.DTGLC	1327.768	0.00634	2	1	28	0
P12163_2_F1,9987	K.DTGIGEK.L ! K.DTGLC	1327.768	0.00585	3	1	23.6	0
P12163_1_F5,10701	K.HLPGYM*K.M	1469.839	0.00681	3	1	28.1	0
P12163_2_F4,10784	K.HLPGYM*K.M	1469.839	0.00444	3	1	25.4	0
P12163_2_F8_12070	K.HLPGYM*K.M	1469.839	0.0051	3	1	22.9	0
P12163_1_S10,1361	K.HLPGYMK.M	1453.845	0.00462	3	1	22.2	0
P12163_2_F4,12255	K.HLPGYMK.M	1453.845	0.00444	3	1	23.1	0
P12163_2_F8_12070	K.HLPGYMK.M	1453.845	0.00474	3	1	29.6	0
P12163_1_F3,25651	K.LEFNTLQAIYQEELK.L	2447.364	0.00451	3	1	43	0
P12163_1_F9,18744	K.NHLLLELAK.L	1659.041	0.00384	3	1	51.8	0
P12163_1_F9,18765	K.NHLLLELAK.L	1659.041	0.0047	2	1	46.9	0
P12163_1_F9,18803	K.NHLLLELAK.L	1659.041	0.00468	4	1	30.6	0
P12163_1_F9,18954	K.NHLLLELAK.L	1659.041	0.00282	3	1	43.9	0
P12163_1_S10,1823	K.NHLLLELAK.L	1659.041	0.00273	3	1	39.2	0
P12163_2_F8_12070	K.NHLLLELAK.L	1659.041	0.00681	3	1	52.4	0
P12163_2_F9,17520	K.NHLLLELAK.L	1659.041	0.00828	4	1	31.7	0
P12163_2_F9,17578	K.NHLLLELAK.L	1659.041	0.00501	3	1	52.6	0
P12163_2_F9,17612	K.NHLLLELAK.L	1659.041	0.0074	2	1	44.9	0
P12163_2_F9,17809	K.NHLLLELAK.L	1659.041	0.00606	3	1	52.7	0
P12163_1_F3,24416	K.QQDFDMLLSIK.N	1946.088	0.00576	3	1	40.3	0
P12163_1_F3,24520	K.QQDFDMLLSIK.N	1946.088	0.00775	2	1	38.7	0
P12163_2_F10,1478	K.SIQCYMHETGASEEVA	2272.064	0.00122	3	1	41	0
P12163_2_F4,14608	K.SIQCYMHETGASEEVA	2272.064	0.00164	3	1	34.9	0
P12163_1_F2,13257	K.YDNLTVD.R	1299.685	0.00431	2	1	28.7	0
P12163_2_F7,19257	R.ALELPLHWK.V	1715.046	0.0026	3	1	32.3	0
P12163_2_F8_12070	R.ALELPLHWK.V	1715.046	0.00614	3	1	25.4	0
P12163_1_F6,18442	R.QHGYPVSQEVFSGFK.L	2318.239	0.00405	3	1	40.1	0
P12163_1_F7,17607	R.QHGYPVSQEVFSGFK.L	2318.239	0.00921	3	1	50.8	0
P12163_1_F7,17610	R.QHGYPVSQEVFSGFK.L	2318.239	0.00724	4	1	37.3	0
P12163_2_F6,17883	R.QHGYPVSQEVFSGFK.L	2318.239	0.00351	3	1	24.8	0
P12163_2_F6,17936	R.QHGYPVSQEVFSGFK.L	2318.239	0.00516	4	1	27	0
P12163_2_F7,16034	R.QHGYPVSQEVFSGFK.L	2318.239	-0.0027	3	1	54.5	0
P12163_1_F4,21378	R.WDINYALK.H	1630.941	0.00051	2	1	33.8	0
P12163_1_F5,20138	R.WDINYALK.H	1630.941	0.00348	3	1	31.9	0
P12163_1_S10,1908	R.WDINYALK.H	1630.941	0.00768	3	1	22.5	0

P12163_2_F1,20826	R.WDINYALK.H	1630.941	0.00816	3	1	32.7	0
P12163_2_F1,20905	R.WDINYALK.H	1630.941	0.00815	2	1	42.2	0
P12163_2_F8,12070	R.WDINYALK.H	1630.941	0.0033	3	1	26.2	0
P12163_1_F3,14269	K.EAQSVPAALYK.K	1985.116	0.00687	3	1	30.5	0
P12163_1_F3,16976	K.EAQSVPAALYK.K	1985.116	0.00506	2	1	50	0
P12163_1_F3,17051	K.EAQSVPAALYK.K	1985.116	0.00861	3	1	58.1	0
P12163_2_F6,16123	K.EAQSVPAALYK.K	1985.116	0.00213	3	1	32.3	0
P12163_1_F2,21238	K.GAM*VSIIGLDSDK.V	1930.078	0.00599	3	1	50.6	0
P12163_1_F3,18908	K.GAM*VSIIGLDSDK.V	1930.078	0.00299	2	1	33.2	0
P12163_1_F3,20275	K.GAMVSIIGLDSDK.V	1914.083	0.00435	3	1	38.1	0
P12163_1_F3,21770	K.GAMVSIIGLDSDK.V	1914.083	0.02076	3	1	30.4	0
P12163_1_F3,21782	K.GAMVSIIGLDSDK.V	1914.083	0.01171	2	1	68.4	0
P12163_1_F5,12940	K.GIEAVEAK.A	1424.857	0.01249	3	1	35.5	0
P12163_1_F7,12514	K.GIEAVEAK.A	1424.857	0.00412	3	1	34.1	0
P12163_2_F1,13310	K.GIEAVEAK.A	1424.857	0.00495	2	1	30.1	0
P12163_2_F1,13313	K.GIEAVEAK.A	1424.857	0.00121	3	1	35.4	0
P12163_2_S5,12288	K.GIEAVEAK.A	1424.857	0.00367	3	1	31.2	0
P12163_1_F5,10044	K.SYELGPGK.V	1458.841	0.01198	3	1	23.9	0
P12163_1_F5,12063	K.SYELGPGK.V	1458.841	0.0025	3	1	28.2	0
P12163_1_F5,18107	K.VIAGIVK.R	1307.887	0.0053	3	1	24.6	0
P12163_1_F7,17126	K.VIAGIVK.R	1307.887	0.00071	3	1	25.7	0
P12163_1_F3,22814	K.VQIANYLCPGNYAVSC	2618.422	0.01129	3	1	53.7	0
P12163_1_S1,16312	K.VQQLCDAANQEVD	2584.277	0.01154	3	1	58	0
P12163_1_F4,14548	R.GAAM*QEADA	1757.931	0.01163	3	1	35.6	0
P12163_1_F4,14479	R.GAAMQEADA	1741.936	0.01382	3	1	44.2	0
P12163_1_F4,14509	R.GAAMQEADA	1741.936	0.00913	2	1	76.8	0
P12163_2_F1,13447	R.GAAMQEADA	1741.936	-0.00205	3	1	40.1	0
P12163_2_F1,13453	R.GAAMQEADA	1741.936	0.00187	2	1	74.5	0
P12163_1_F6,21491	R.LAVAGAFHTGFM*EP	2181.143	0.00058	3	1	23.5	0
P12163_1_F6,21515	R.LAVAGAFHTGFM	2165.148	0.00124	3	1	57.7	0
P12163_1_F6,21529	R.LAVAGAFHTGFM	2165.148	-0.00205	2	1	50.9	0
P12163_1_S1,19845	R.LEAALAAATQINTPR.M	1773.017	0.00797	3	1	48.4	0
P12163_1_S1,20090	R.LEAALAAATQINTPR.M	1773.017	0.00482	3	1	22.2	0
P12163_1_S1,21413	R.LEAALAAATQINTPR.M	1773.017	0.00305	3	1	66.5	0
P12163_1_S1,21452	R.LEAALAAATQINTPR.M	1773.017	0.01681	2	1	35.8	0
P12163_1_S1,21599	R.LEAALAAATQINTPR.M	1773.017	0.00215	3	1	99	0
P12163_1_S1,21639	R.LEAALAAATQINTPR.M	1773.017	0.00529	2	1	53.9	0
P12163_1_F6,15909	R.M*PVISNVDAQPHADF	2684.454	0.00423	3	1	39.7	0
P12163_1_F6,18224	R.M*PVISNVDAQPHADF	2684.454	0.00279	3	1	39.9	0
P12163_1_F6,18234	R.M*PVISNVDAQPHADF	2684.454	0.00416	4	1	33.2	0
P12163_2_F4,14774	R.M*PVISNVDAQPHADF	2684.454	0.00353	3	1	37.7	0
P12163_2_F4,17047	R.M*PVISNVDAQPHADF	2684.454	0.00808	4	1	30.7	0
P12163_1_F6,18174	R.MPVISNVDAQPHADPE	2668.459	0.01347	3	1	40.4	0
P12163_1_F6,18189	R.MPVISNVDAQPHADPE	2668.459	0.00872	4	1	26.8	0
P12163_2_F4,16996	R.MPVISNVDAQPHADPE	2668.459	-0.00084	4	1	24.1	0
P12163_1_F8,16020	K.AGHPTFVLVR.E	1400.832	0.0024	3	1	26.1	0
P12163_2_F6,15432	K.AGHPTFVLVR.E	1400.832	0.00258	3	1	31	0
P12163_1_F2,7035	K.AVDDPR.T	976.5365	0.00178	2	1	26.1	0
P12163_2_F1,6810	K.AVDDPR.T	976.5365	0.00264	2	1	32	0
P12163_1_F3,16236	K.EDDIGTYTIK.A	1762.968	0.01439	2	1	32	0
P12163_1_F4,19473	K.FIVEASVK.A	1500.925	0.00598	3	1	39.2	0

P12163_1_F4,19481	K.FIVEASVK.A	1500.925	0.00679	2	1	31.3	0
P12163_2_F1,18739	K.FIVEASVK.A	1500.925	0.00505	2	1	27.4	0
P12163_2_F4,16957	K.FIVEASVK.A	1500.925	-0.00149	3	1	31	0
P12163_1_F3,21916	K.IFIGGTGYIGK.F	1847.125	0.0072	3	1	28.6	0
P12163_1_F3,24358	K.IFIGGTGYIGK.F	1847.125	0.00231	3	1	49.1	0
P12163_1_F3,24366	K.IFIGGTGYIGK.F	1847.125	0.00831	2	1	40.2	0
P12163_1_F7,24233	K.QVDVVISTVGHLLGI	2616.518	0.00252	4	1	45.5	0
P12163_1_F9,17128	K.SQLLDHFK.N ! K.SQLI	1595.937	0.00443	3	1	32.5	0
P12163_1_F9,17162	K.SQLLDHFK.N ! K.SQLI	1595.937	0.0037	2	1	32.3	0
P12163_1_F9,17345	K.SQLLDHFK.N ! K.SQLI	1595.937	0.00677	3	1	26.4	0
P12163_2_F9,16416	K.SQLLDHFK.N ! K.SQLI	1595.937	0.00413	3	1	30.3	0
P12163_2_F9,16522	K.SQLLDHFK.N ! K.SQLI	1595.937	0.01083	4	1	23.1	0
P12163_2_F9,16595	K.SQLLDHFK.N ! K.SQLI	1595.937	0.00812	2	1	38	0
P12163_2_F9,16634	K.SQLLDHFK.N ! K.SQLI	1595.937	0.00632	3	1	45.3	0
P12163_1_F2,16621	K.VVILGDGNPK.E ! K.V	1619.994	0.00916	3	1	42.4	0
P12163_1_F2,16631	K.VVILGDGNPK.E ! K.V	1619.994	0.00786	2	1	32	0
P12163_1_F4,17955	K.VVILGDGNPK.E ! K.V	1619.994	0.00196	2	1	32.7	0
P12163_1_F6,16784	K.VVILGDGNPK.E ! K.V	1619.994	-0.00209	3	1	31	0
P12163_1_F7,15901	K.VVILGDGNPK.E ! K.V	1619.994	0.00328	3	1	31.7	0
P12163_1_F7,15910	K.VVILGDGNPK.E ! K.V	1619.994	0.0033	2	1	46.1	0
P12163_1_S1,15560	K.VVILGDGNPK.E ! K.V	1619.994	0.00523	3	1	22.5	0
P12163_2_F1,17152	K.VVILGDGNPK.E ! K.V	1619.994	0.00384	2	1	29	0
P12163_2_F1,17180	K.VVILGDGNPK.E ! K.V	1619.994	0.00676	3	1	27.6	0
P12163_2_F2,141	K.VVILGDGNPK.E ! K.V	1619.994	0.00366	2	1	46	0
P12163_2_F4,15347	K.VVILGDGNPK.E ! K.V	1619.994	0.00415	3	1	28.2	0
P12163_2_F4,15580	K.VVILGDGNPK.E ! K.V	1619.994	-0.00228	2	1	41.6	0
P12163_2_F4,15582	K.VVILGDGNPK.E ! K.V	1619.994	-0.00728	3	1	44.8	0
P12163_2_F1,11313	R.ESTLSAPSK.S	1527.884	0.0044	2	1	25.7	0
P12163_1_F9,10429	R.VHAVEPAK.S	1458.889	0.0047	3	1	35.3	0
P12163_2_F9,9774	R.VHAVEPAK.S	1458.889	0.0029	3	1	47.4	0
P12163_2_F9,9777	R.VHAVEPAK.S	1458.889	0.00279	2	1	29.7	0
P12163_2_F9,9892	R.VHAVEPAK.S	1458.889	0.00478	4	1	29.3	0
P12163_1_F3,18830	R.VYVPEEQVLK.N	1812.073	0.00839	2	1	37.2	0
P12163_1_F3,18851	R.VYVPEEQVLK.N	1812.073	0.00283	3	1	30.9	0
P12163_1_F6,18725	K.AYEAATAAAAASELPP1	2341.245	0.00096	3	1	60.1	0
P12163_1_F6,18956	K.AYEAATAAAAASELPP1	2341.245	0.00193	3	1	53.9	0
P12163_1_F7,17780	K.AYEAATAAAAASELPP1	2341.245	-0.00396	3	1	33.5	0
P12163_1_F7,17908	K.AYEAATAAAAASELPP1	2341.245	0.00088	2	1	75.2	0
P12163_1_F7,18008	K.AYEAATAAAAASELPP1	2341.245	0.00438	3	1	86.7	0
P12163_1_F7,18227	K.AYEAATAAAAASELPP1	2341.245	0.00211	3	1	87.7	0
P12163_1_F8,76	K.AYEAATAAAAASELPP1	2341.245	0.00603	3	1	52.8	0
P12163_1_S10,1787	K.AYEAATAAAAASELPP1	2341.245	0.00096	3	1	23.5	0
P12163_2_F10,1671	K.AYEAATAAAAASELPP1	2341.245	0.01498	3	1	67.8	0
P12163_2_F10,1693	K.AYEAATAAAAASELPP1	2341.245	0.00454	3	1	29.8	0
P12163_2_S5,12742	K.AYEAATAAAAASELPP1	2341.245	0.00075	4	1	31.7	0
P12163_2_S5,17230	K.AYEAATAAAAASELPP1	2341.245	0.00546	3	1	65.5	0
P12163_2_S5,17451	K.AYEAATAAAAASELPP1	2341.245	0.00222	3	1	73.8	0
P12163_2_S5,17664	K.AYEAATAAAAASELPP1	2341.245	0.00486	3	1	62.1	0
P12163_2_S5,17951	K.AYEAATAAAAASELPP1	2341.245	0.00139	3	1	56.8	0
P12163_1_S1,19084	K.DSTLIMQLLR.D	1493.866	-0.00037	3	1	24	0
P12163_1_F9,8957	K.EAADHSLK.A	1478.842	0.00758	2	1	31.2	0

P12163_2_F9,9013	K.EAADHSLK.A	1478.842	0.00692	2	1	35.1	0
P12163_2_F9,9028	K.EAADHSLK.A	1478.842	0.00648	3	1	27.3	0
P12163_2_S3,7010	K.GNEQNVK.R	1396.8	0.00561	2	1	27.4	0
P12163_2_F1,9483	K.LAEQAER.Y ! R.LAEQ,	1120.626	0.00298	2	1	24.7	0
P12163_1_F3,8049	R.EHHVYLAR.L	1328.738	0.00362	3	1	36.7	0
P12163_1_F3,8052	R.EHHVYLAR.L	1328.738	0.00481	4	1	27.3	0
P12163_2_S5,8146	R.EHHVYLAR.L	1328.738	0.00281	4	1	29.4	0
P12163_1_F4,20959	R.IISSIEQK.E ! R.ILSSIEQ	1525.941	0.01597	2	1	28	0
P12163_1_F5,18516	R.IISSIEQK.E ! R.ILSSIEQ	1525.941	0.00793	2	1	32.8	0
P12163_1_F5,19572	R.IISSIEQK.E ! R.ILSSIEQ	1525.941	0.00666	3	1	29.6	0
P12163_1_F5,19600	R.IISSIEQK.E ! R.ILSSIEQ	1525.941	0.00717	2	1	38.4	0
P12163_2_F1,20030	R.IISSIEQK.E ! R.ILSSIEQ	1525.941	0.00227	2	1	27.6	0
P12163_2_F1,20062	R.IISSIEQK.E ! R.ILSSIEQ	1525.941	0.00678	3	1	21.9	0
P12163_1_F5,14698	R.NLVSVMGYK.N	1487.904	0.00341	2	1	26.9	0
P12163_1_F9,15275	R.NLVSVMGYK.N	1487.904	0.00667	2	1	28.7	0
P12163_2_F2,15532	R.NLVSVMGYK.N	1487.904	0.00185	2	1	27.4	0
P12163_1_F4,14815	R.VEDELAK.I	1411.825	0.00546	2	1	28.7	0
P12163_1_F4,20211	R.YDEMVEAMK.K	1723.885	0.00739	2	1	45.1	0
P12163_1_F4,20239	R.YDEMVEAMK.K	1723.885	0.0066	3	1	42.4	0
P12163_2_F9,18032	R.YDEMVEAMK.K	1723.885	0.00348	3	1	28.1	0
P12163_1_S10,1839	R.YLAEFK.V ! R.YLAEFK	1378.819	0.0079	3	1	24	0
P12163_2_F8_1207	R.YLAEFK.V ! R.YLAEFK	1378.819	0.00689	3	1	22.1	0
P12163_2_F8_1207	R.YLAEFK.V ! R.YLAEFK	1378.819	0.0056	3	1	22.9	0
P12163_1_F7,15210	K.AEDHDVPVTPDEIVK.I	2272.228	0.00999	3	1	34.1	0
P12163_1_F7,15256	K.AEDHDVPVTPDEIVK.I	2272.228	0.00872	2	1	31.9	0
P12163_1_F8,15935	K.AEDHDVPVTPDEIVK.I	2272.228	0.00514	2	1	35	0
P12163_1_F8,15940	K.AEDHDVPVTPDEIVK.I	2272.228	-0.00513	3	1	38	0
P12163_1_F8,15957	K.AEDHDVPVTPDEIVK.I	2272.228	0.00675	3	1	48.7	0
P12163_1_F8,16012	K.AEDHDVPVTPDEIVK.I	2272.228	0.00487	4	1	29	0
P12163_2_S5,14518	K.AEDHDVPVTPDEIVK.I	2272.228	0.00199	4	1	29.4	0
P12163_2_S5,14598	K.AEDHDVPVTPDEIVK.I	2272.228	0.01086	3	1	47.7	0
P12163_1_S1,21178	K.CSVIPVEFVVR.G	1608.908	-0.00085	2	1	28	0
P12163_1_F9,6234	K.EPIHDR.I	1070.59	0.00356	3	1	27.7	0
P12163_1_S10,7410	K.EPIHDR.I	1070.59	-0.00109	3	1	39.4	0
P12163_2_F8_1207	K.EPIHDR.I	1070.59	0.00242	3	1	36.9	0
P12163_1_F3,18435	K.LPANILTPTTK.A	1777.104	0.00672	3	1	25	0
P12163_1_F3,20089	K.LPANILTPTTK.A	1777.104	0.00512	2	1	47.6	0
P12163_1_F3,20096	K.LPANILTPTTK.A	1777.104	0.00612	3	1	41	0
P12163_1_F5,17696	K.SSDDSILLIDEVHTPDS	2390.199	0.00244	3	1	35.4	0
P12163_1_F5,19273	K.SSDDSILLIDEVHTPDS	2390.199	0.0028	3	1	52.7	0
P12163_1_F5,19308	K.SSDDSILLIDEVHTPDS	2390.199	-0.00137	2	1	61	0
P12163_1_F6,18032	K.SSDDSILLIDEVHTPDS	2390.199	0.00673	3	1	28.4	0
P12163_1_F6,19369	K.SSDDSILLIDEVHTPDS	2390.199	0.00286	3	1	56	0
P12163_1_F6,19376	K.SSDDSILLIDEVHTPDS	2390.199	-0.00237	2	1	27.6	0
P12163_1_S10,1829	K.SSDDSILLIDEVHTPDS	2390.199	0.00211	3	1	31.9	0
P12163_2_F10,1718	K.SSDDSILLIDEVHTPDS	2390.199	0.00004	3	1	56.7	0
P12163_1_F3,16483	R.FQSGLEPENVDK.E	1971.064	0.00707	2	1	42.2	0
P12163_1_F4,16990	R.FQSGLEPENVDK.E	1971.064	0.00483	3	1	28.2	0
P12163_1_F4,16991	R.FQSGLEPENVDK.E	1971.064	0.00505	2	1	46	0
P12163_1_F4,25386	R.ILASIPFK.G	1496.966	0.00755	2	1	28	0
P12163_2_F1,24690	R.ILASIPFK.G	1496.966	0.00903	3	1	23.9	0

P12163_1_F4,18063	R.NYCGNALPDGLVK.N	2029.1	0.00145	2	1	27.6	0
P12163_2_F1,17437	R.NYCGNALPDGLVK.N	2029.1	0.0022	3	1	28.6	0
P12163_2_F1,17438	R.NYCGNALPDGLVK.N	2029.1	0.00019	2	1	39.2	0
P12163_1_F7,16597	R.VASEHGLILVDTK.Y	1990.179	0.00983	3	1	29.1	0
P12163_1_F8,17224	R.VASEHGLILVDTK.Y	1990.179	0.00855	2	1	35.2	0
P12163_1_F8,17241	R.VASEHGLILVDTK.Y	1990.179	0.00617	3	1	23.3	0
P12163_2_F6,16599	R.VASEHGLILVDTK.Y	1990.179	0.00605	3	1	34.9	0
P12163_2_F8_12070	R.VASEHGLILVDTK.Y	1990.179	0.00518	3	1	28.7	0
P12163_2_F9,15758	R.VASEHGLILVDTK.Y	1990.179	0.0077	3	1	31.9	0
P12163_1_F3,26840	R.YIFLYEAITK.S	1869.098	0.00324	3	1	29	0
P12163_2_S5,15561	R.YWIAHSYEER.F	1657.828	-0.00004	3	1	27.3	0
P12163_1_F7,15774	K.AAQDIANAELAPTHPI	2092.145	-0.00148	2	1	34.8	0
P12163_1_F7,15776	K.AAQDIANAELAPTHPI	2092.145	0.00293	3	1	63.3	0
P12163_1_F8,104	K.AAQDIANAELAPTHPI	2092.145	0.00143	3	1	26.9	0
P12163_2_S5,15434	K.AAQDIANAELAPTHPI	2092.145	0.00413	3	1	83.3	0
P12163_1_S1,19084	K.DSTLIMQLLR.D	1493.866	-0.00037	3	1	24	0
P12163_2_F1,15381	K.EAAESTLTAYK.A	1791.995	0.00377	3	1	45.6	0
P12163_2_F1,9483	K.LAEQAER.Y ! R.LAEQ	1120.626	0.00298	2	1	24.7	0
P12163_1_F4,13882	R.EENVYMAK.L ! R.EEN	1591.861	0.00598	3	1	30	0
P12163_1_F5,12428	R.EENVYMAK.L ! R.EEN	1591.861	0.00856	2	1	35.6	0
P12163_1_F5,12489	R.EENVYMAK.L ! R.EEN	1591.861	0.01225	3	1	24.7	0
P12163_2_F1,12743	R.EENVYMAK.L ! R.EEN	1591.861	0.00684	2	1	31.1	0
P12163_1_F6,8198	R.GNEDHVSTIR.D	1431.749	-0.00676	2	1	34.4	0
P12163_2_F7,7385	R.GNEDHVSTIR.D	1431.749	0.00055	3	1	22.1	0
P12163_2_S5,8118	R.GNEDHVSTIR.D	1431.749	0.00232	3	1	37.5	0
P12163_1_F4,20959	R.IISSIEQK.E ! R.ILSSIEQ	1525.941	0.01597	2	1	28	0
P12163_1_F5,18516	R.IISSIEQK.E ! R.ILSSIEQ	1525.941	0.00793	2	1	32.8	0
P12163_1_F5,19572	R.IISSIEQK.E ! R.ILSSIEQ	1525.941	0.00666	3	1	29.6	0
P12163_1_F5,19600	R.IISSIEQK.E ! R.ILSSIEQ	1525.941	0.00717	2	1	38.4	0
P12163_2_F1,20030	R.IISSIEQK.E ! R.ILSSIEQ	1525.941	0.00227	2	1	27.6	0
P12163_2_F1,20062	R.IISSIEQK.E ! R.ILSSIEQ	1525.941	0.00678	3	1	21.9	0
P12163_1_F9,15662	R.KEAAESTLTAYK.A	2224.295	0.00287	4	1	28.7	0
P12163_1_F4,19313	R.NLLSVAYK.N	1515.935	0.00473	2	1	24.7	0
P12163_1_F5,18080	R.NLLSVAYK.N	1515.935	0.00697	2	1	39.6	0
P12163_1_F5,18081	R.NLLSVAYK.N	1515.935	0.00381	3	1	34.8	0
P12163_1_F6,18423	R.NLLSVAYK.N	1515.935	0.01068	3	1	31.8	0
P12163_1_F9,17887	R.NLLSVAYK.N	1515.935	0.006	3	1	24.6	0
P12163_2_F1,18587	R.NLLSVAYK.N	1515.935	0.00633	2	1	42.2	0
P12163_2_F1,18588	R.NLLSVAYK.N	1515.935	0.00501	3	1	35.5	0
P12163_2_F2,18787	R.NLLSVAYK.N	1515.935	0.00681	3	1	28.1	0
P12163_2_F2,18808	R.NLLSVAYK.N	1515.935	0.00629	2	1	32.4	0
P12163_2_F8_12070	R.NLLSVAYK.N	1515.935	0.00594	3	1	30.9	0
P12163_2_S5,16404	R.NLLSVAYK.N	1515.935	0.00054	3	1	31.7	0
P12163_1_F4,20324	R.YEEMVEFM*EK.V	1958.97	-0.00298	3	1	24.3	0
P12163_1_F4,25316	R.YEEMVEFMEK.V	1942.975	0.00462	2	1	54.3	0
P12163_2_F9,21690	R.YEEMVEFMEK.V	1942.975	0.00542	3	1	24.9	0
P12163_1_S10,18390	R.YLAEFK.V ! R.YLAEFK	1378.819	0.0079	3	1	24	0
P12163_2_F8_12070	R.YLAEFK.V ! R.YLAEFK	1378.819	0.00689	3	1	22.1	0
P12163_2_F8_12070	R.YLAEFK.V ! R.YLAEFK	1378.819	0.0056	3	1	22.9	0
P12163_1_F8,16020	K.AGHPTFVLVR.E	1400.832	0.0024	3	1	26.1	0
P12163_2_F6,15432	K.AGHPTFVLVR.E	1400.832	0.00258	3	1	31	0

P12163_1_F2,7035	K.AVDDPR.T	976.5365	0.00178	2	1	26.1	0
P12163_2_F1,6810	K.AVDDPR.T	976.5365	0.00264	2	1	32	0
P12163_1_F3,16236	K.EDDIGTYTIK.A	1762.968	0.01439	2	1	32	0
P12163_1_F4,18399	K.EYVSEEQLLK.N ! R.EY	1846.042	0.00872	2	1	53.1	0
P12163_1_F4,18412	K.EYVSEEQLLK.N ! R.EY	1846.042	0.00857	3	1	45.8	0
P12163_1_F9,17086	K.EYVSEEQLLK.N ! R.EY	1846.042	-0.00286	3	1	25.5	0
P12163_2_F9,16197	K.EYVSEEQLLK.N ! R.EY	1846.042	0.00728	3	1	41.1	0
P12163_1_F5,11499	K.GVQTNFK.I	1401.831	0.00836	2	1	28.1	0
P12163_2_F2,12251	K.GVQTNFK.I	1401.831	0.00692	2	1	28.3	0
P12163_2_F2,12252	K.GVQTNFK.I	1401.831	0.00585	3	1	26.4	0
P12163_1_F3,21916	K.ILFIGGTGYIGK.F	1847.125	0.0072	3	1	28.6	0
P12163_1_F3,24358	K.ILFIGGTGYIGK.F	1847.125	0.00231	3	1	49.1	0
P12163_1_F3,24366	K.ILFIGGTGYIGK.F	1847.125	0.00831	2	1	40.2	0
P12163_1_F8,10580	K.NIQEAAPPHK.V	1712.99	0.00492	3	1	23.1	0
P12163_1_F8,10697	K.NIQEAAPPHK.V	1712.99	0.00124	2	1	27.3	0
P12163_2_F6,10479	K.NIQEAAPPHK.V	1712.99	0.00478	2	1	52.7	0
P12163_2_F6,10573	K.NIQEAAPPHK.V	1712.99	0.00609	3	1	50.3	0
P12163_1_F9,17128	K.SQLLDHFK.N ! K.SQLI	1595.937	0.00443	3	1	32.5	0
P12163_1_F9,17162	K.SQLLDHFK.N ! K.SQLI	1595.937	0.0037	2	1	32.3	0
P12163_1_F9,17345	K.SQLLDHFK.N ! K.SQLI	1595.937	0.00677	3	1	26.4	0
P12163_2_F9,16416	K.SQLLDHFK.N ! K.SQLI	1595.937	0.00413	3	1	30.3	0
P12163_2_F9,16522	K.SQLLDHFK.N ! K.SQLI	1595.937	0.01083	4	1	23.1	0
P12163_2_F9,16595	K.SQLLDHFK.N ! K.SQLI	1595.937	0.00812	2	1	38	0
P12163_2_F9,16634	K.SQLLDHFK.N ! K.SQLI	1595.937	0.00632	3	1	45.3	0
P12163_1_F5,9600	K.STYDVK.A	1320.762	0.00888	3	1	25.7	0
P12163_1_F2,18084	K.VVIFGDGNPK.A	1653.978	0.0084	2	1	26.1	0
P12163_1_F4,19358	K.VVIFGDGNPK.A	1653.978	0.00742	2	1	33.8	0
P12163_2_F1,18557	K.VVIFGDGNPK.A	1653.978	0.00434	2	1	32.1	0
P12163_2_F1,18562	K.VVIFGDGNPK.A	1653.978	0.0046	3	1	55.3	0
P12163_2_F4,16714	K.VVIFGDGNPK.A	1653.978	0.00196	3	1	24	0
P12163_1_F3,12577	R.VEGAVEPTK.S	1537.905	0.00627	2	1	28.7	0
P12163_1_F4,13046	R.VEGAVEPTK.S	1537.905	0.00273	2	1	31.2	0
P12163_2_F1,12137	R.VEGAVEPTK.S	1537.905	0.00259	2	1	33.1	0
P12163_1_F4,14302	K.EGPPTFEQPK.M	1737.963	0.00627	3	1	29.3	0
P12163_1_F4,14305	K.EGPPTFEQPK.M	1737.963	0.00561	2	1	34.4	0
P12163_1_F4,21454	K.NFLNLPNVK.V	1667.01	0.00232	2	1	28.4	0
P12163_1_F5,20193	K.NFLNLPNVK.V	1667.01	0.00854	2	1	30.9	0
P12163_1_F5,20206	K.NFLNLPNVK.V	1667.01	0.00417	3	1	38.2	0
P12163_2_F1,20936	K.NFLNLPNVK.V	1667.01	0.00093	3	1	28.8	0
P12163_2_F2,20779	K.NFLNLPNVK.V	1667.01	0.0123	2	1	31.5	0
P12163_2_S5,18224	K.NFLNLPNVK.V	1667.01	0.00102	3	1	28.6	0
P12163_1_F4,18518	K.SFQCELVFAK.M	1837.014	0.00329	3	1	33.7	0
P12163_1_F4,18564	K.SFQCELVFAK.M	1837.014	0.00299	2	1	26.3	0
P12163_1_F4,21020	K.SFQCELVFAK.M	1837.014	0.00347	2	1	24.6	0
P12163_1_F4,23073	K.SFQCELVFAK.M	1837.014	0.00347	3	1	26.9	0
P12163_1_F7,18654	K.SFQCELVFAK.M	1837.014	-0.0001	3	1	27.8	0
P12163_2_F1,20510	K.SFQCELVFAK.M	1837.014	0.00434	3	1	33.8	0
P12163_2_F1,20516	K.SFQCELVFAK.M	1837.014	0.00447	2	1	36.1	0
P12163_1_F3,27916	K.VPLILGIWGGK.G	1761.125	0.00231	3	1	34.6	0
P12163_2_S5,14722	K.VPVEGCTDPAAANYI	2405.171	0.00301	3	1	26.8	0
P12163_1_F6,14401	K.VVVHITK.N	1403.919	0.00204	3	1	22	0

P12163_1_F6,14445	K.VVVHITK.N	1403.919	0.00517	2	1	28.6	0
P12163_2_F7,12733	K.VVVHITK.N	1403.919	0.00971	2	1	30.9	0
P12163_1_F3,20954	K.WISEVGIER.I	1392.779	0.00424	2	1	26.2	0
P12163_2_F1,21025	K.WISEVGIER.I	1392.779	0.00414	2	1	27.5	0
P12163_1_F2,18810	K.YLSEAALGDANDDAIF	2274.207	0.00246	2	1	51	0
P12163_1_S1,18056	K.YLSEAALGDANDDAIF	2274.207	0.00599	3	1	85.6	0
P12163_1_S1,18091	K.YLSEAALGDANDDAIF	2274.207	0.00188	2	1	53.2	0
P12163_2_F6,18415	K.YLSEAALGDANDDAIF	2274.207	0.00443	3	1	35.9	0
P12163_2_F7,16880	K.YLSEAALGDANDDAIF	2274.207	0.0059	3	1	62	0
P12163_2_F7,16885	K.YLSEAALGDANDDAIF	2274.207	0.00338	2	1	43.7	0
P12163_1_F3,17181	R.IGVCSGIFR.T	1312.735	0.00048	3	1	44.6	0
P12163_1_F4,13425	R.M*LVQE QENVK.R	1842.025	0.0065	2	1	29.8	0
P12163_2_F1,12532	R.M*LVQE QENVK.R	1842.025	0.00624	2	1	37.6	0
P12163_2_F1,14608	R.MLVQE QENVK.R	1826.03	0.00804	2	1	56.7	0
P12163_1_F9,11491	R.VYDDEVR.K	1199.621	0.00332	2	1	24.6	0
P12163_1_S10,1227	R.VYDDEVR.K	1199.621	0.00568	2	1	24.2	0
P12163_2_F9,11203	R.VYDDEVR.K	1199.621	0.00462	2	1	24.2	0
P12163_1_F3,17947	K.ANVVVASVEDK.L	1739.016	0.00661	3	1	36.4	0
P12163_1_F3,17981	K.ANVVVASVEDK.L	1739.016	0.00525	2	1	47.2	0
P12163_1_F4,18493	K.ANVVVASVEDK.L	1739.016	0.00337	2	1	43.4	0
P12163_1_F4,18507	K.ANVVVASVEDK.L	1739.016	0.00751	3	1	55.4	0
P12163_2_F1,17744	K.ANVVVASVEDK.L	1739.016	0.00403	2	1	37.3	0
P12163_2_F1,17765	K.ANVVVASVEDK.L	1739.016	0.00958	3	1	49.2	0
P12163_2_F1,15626	K.ATAFPAMCNK.L	1718.918	0.0102	2	1	35.5	0
P12163_1_F8,14572	K.ERADEVSGPLVMR.A	1762.942	0.00142	3	1	29.6	0
P12163_1_F3,20493	K.ESDVLESIVK.K	1727.005	0.00835	2	1	42.8	0
P12163_2_F8_12070	K.ESNRPYGAICASPALV	3200.771	0.0043	5	1	32.1	0
P12163_2_F8_12070	K.ESNRPYGAICASPALV	3200.771	0.00702	4	1	45.4	0
P12163_2_F8_12070	K.ESNRPYGAICASPALV	3200.771	0.00326	3	1	31.6	0
P12163_2_F9,18701	K.ESNRPYGAICASPALV	3200.771	0.00582	4	1	33.5	0
P12163_1_F3,11905	K.LSDQSEIENR.V	1494.77	0.00121	2	1	41	0
P12163_1_S1,9365	K.LSDQSEIENR.V	1494.77	-0.00331	2	1	26.2	0
P12163_1_S1,10053	K.LSDQSEIENR.V	1494.77	0.00322	3	1	35.4	0
P12163_1_S1,11616	K.LSDQSEIENR.V	1494.77	0.00373	2	1	33.9	0
P12163_1_S1,11745	K.LSDQSEIENR.V	1494.77	0.0034	3	1	37.5	0
P12163_1_S1,11870	K.LSDQSEIENR.V	1494.77	0.00347	2	1	49.5	0
P12163_1_F2,23575	K.LVADVLIDEAAK.L	1865.12	0.0042	3	1	46.7	0
P12163_1_F3,24585	K.LVADVLIDEAAK.L	1865.12	0.0075	3	1	29.7	0
P12163_1_F5,23365	K.LVADVLIDEAAK.L	1865.12	0.00093	3	1	35.6	0
P12163_1_S1,22683	K.LVADVLIDEAAK.L	1865.12	0.00426	3	1	47.2	0
P12163_1_S1,22917	K.LVADVLIDEAAK.L	1865.12	0.00657	3	1	44.4	0
P12163_1_S1,13289	R.ADEVSGPLVM*R.A ! K	1493.794	0.00616	3	1	34.7	0
P12163_1_S1,15847	R.ADEVSGPLVMR.A ! K.	1477.799	0.00112	3	1	42.7	0
P12163_1_F3,10805	R.SGADVTVASVEK.Q	1771.006	0.00319	2	1	28.1	0
P12163_1_F3,12179	R.SGADVTVASVEK.Q	1771.006	0.00063	2	1	45.5	0
P12163_1_F3,13819	R.SGADVTVASVEK.Q	1771.006	0.00503	2	1	60.4	0
P12163_1_F4,14300	R.SGADVTVASVEK.Q	1771.006	0.00445	2	1	40.9	0
P12163_2_S3,11444	R.SGADVTVASVEK.Q	1771.006	0.00271	3	1	34.5	0
P12163_1_F9,9070	R.VDACHGVK.I	1493.835	0.00278	2	1	26.7	0
P12163_1_F9,9111	R.VDACHGVK.I	1493.835	0.00509	3	1	29.9	0
P12163_1_S1,14763	R.VVVDGNLITSR.G	1476.869	0.00403	3	1	40.8	0

P12163_1_S1,15254 R.VVVDGNLITSR.G	1476.869	0.00115	3	1	26.1	0
P12163_1_F4,17340 K.EAVFGVEK.E	1486.873	0.00518	2	1	36.8	0
P12163_1_F4,17390 K.EAVFGVEK.E	1486.873	0.00505	3	1	32.2	0
P12163_1_F5,16059 K.EAVFGVEK.E	1486.873	0.01189	3	1	31.2	0
P12163_2_F1,16450 K.EAVFGVEK.E	1486.873	0.00457	3	1	24.3	0
P12163_2_F1,16479 K.EAVFGVEK.E	1486.873	0.0045	2	1	36.6	0
P12163_2_F2,1742 K.EAVFGVEK.E	1486.873	0.00058	3	1	24.3	0
P12163_1_F7,17601 K.EISNAYEVLSDDDEKR.S	2376.25	0.00686	3	1	28.7	0
P12163_1_F8,18289 K.EISNAYEVLSDDDEKR.S	2376.25	0.0056	3	1	31.1	0
P12163_2_S5,17583 K.EISNAYEVLSDDDEKR.S	2376.25	0.00602	3	1	50.9	0
P12163_1_F5,14362 K.GVPVLNK.S	1334.862	0.00679	3	1	33.8	0
P12163_2_F1,14605 K.GVPVLNK.S	1334.862	0.00373	3	1	25.3	0
P12163_1_F2,17412 K.IPAGTQPNTTLVM*AK	2166.241	0.00428	3	1	26.8	0
P12163_1_S1,10835 K.IPAGVDTESR.L	1348.737	0.00143	3	1	39.9	0
P12163_1_F3,24586 K.LIEELADLSK.G	1739.041	0.00398	3	1	33	0
P12163_1_F3,26856 K.LIEELADLSK.G	1739.041	0.0025	3	1	42.3	0
P12163_1_F3,26902 K.LIEELADLSK.G	1739.041	0.00819	2	1	62.4	0
P12163_1_F3,27054 K.LIEELADLSK.G	1739.041	0.00677	3	1	38.3	0
P12163_1_F4,27866 K.LIEELADLSK.G	1739.041	0.00506	3	1	42.5	0
P12163_1_F4,27879 K.LIEELADLSK.G	1739.041	0.00805	2	1	57.6	0
P12163_1_F3,27600 K.VSYIDAILGTTIK.V	2002.204	0.00603	3	1	39.2	0
P12163_1_F3,27619 K.VSYIDAILGTTIK.V	2002.204	0.00362	2	1	44.8	0
P12163_1_S10,1286 K.YGEAGLK.G	1345.794	0.00846	3	1	31.4	0
P12163_2_F2,12379 K.YGEAGLK.G	1345.794	0.00785	2	1	24.7	0
P12163_2_F8_12070 K.YGEAGLK.G	1345.794	0.00679	2	1	25.1	0
P12163_1_F4,13629 R.DGTNILYTCK.V	1792.972	0.00851	3	1	21.9	0
P12163_1_F4,16174 R.DGTNILYTCK.V	1792.972	0.00719	3	1	33.9	0
P12163_1_F4,16194 R.DGTNILYTCK.V	1792.972	0.00923	2	1	26.7	0
P12163_1_F9,20256 R.KLIEELADLSK.G	2171.341	0.00896	4	1	32.4	0
P12163_2_F10,1985 R.KLIEELADLSK.G	2171.341	0.00284	4	1	36.1	0
P12163_2_F9,19227 R.KLIEELADLSK.G	2171.341	0.00493	4	1	30.1	0
P12163_2_F9,20733 R.KLIEELADLSK.G	2171.341	0.00556	3	1	43.6	0
P12163_2_F9,20963 R.KLIEELADLSK.G	2171.341	0.00661	4	1	35.9	0
P12163_1_F7,15111 R.VQVEIPK.R	1420.898	0.00351	3	1	25.3	0
P12163_1_F4,10239 K.AITGSTSSK.E	1459.858	0.00694	2	1	32.6	0
P12163_1_F5,8624 K.AITGSTSSK.E	1459.858	0.00964	2	1	33.2	0
P12163_2_F1,9368 K.AITGSTSSK.E	1459.858	0.00264	3	1	41	0
P12163_1_F6,17154 K.DGHVNYYVQVDDAP.S	2676.317	0.00354	3	1	50.6	0
P12163_1_F8,17055 K.DGHVNYYVQVDDAP.S	2676.317	0.01281	3	1	49.3	0
P12163_2_F10,1538 K.DGHVNYYVQVDDAP.S	2676.317	0.00966	3	1	28.5	0
P12163_1_F5,21635 K.EQGLWILK.R	1594.978	0.00378	2	1	28.9	0
P12163_2_F1,22407 K.EQGLWILK.R	1594.978	0.0117	2	1	33.9	0
P12163_2_F1,7900 K.ETSDSSEVK.E	1589.848	0.00309	3	1	25.1	0
P12163_1_S1,15402 K.SATADILTGLR.K	1421.827	0.00158	3	1	46.5	0
P12163_1_S1,15874 K.SATADILTGLR.K	1421.827	0.002	3	1	54.5	0
P12163_1_S1,15910 K.SATADILTGLR.K	1421.827	0.00368	2	1	35.4	0
P12163_1_S1,18648 K.SATADILTGLR.K	1421.827	0.00272	2	1	46	0
P12163_1_S1,18657 K.SATADILTGLR.K	1421.827	0.00281	3	1	104	0
P12163_1_F6,12856 K.TYDDIQHIR.A	1464.775	0.00329	3	1	39.1	0
P12163_1_F9,12678 K.TYDDIQHIR.A	1464.775	0.00593	3	1	39.2	0
P12163_2_F6,12260 K.TYDDIQHIR.A	1464.775	0.00071	3	1	47.6	0

P12163_2_F7,9440	K.TYDDIQHIR.A	1464.775	0.0053	2	1	24.6	0
P12163_2_F7,9477	K.TYDDIQHIR.A	1464.775	0.00179	3	1	51.6	0
P12163_2_F7,11669	K.TYDDIQHIR.A	1464.775	0.00443	3	1	49.2	0
P12163_1_F4,16530	K.YELVTSPNK.D	1658.957	0.0051	2	1	29.5	0
P12163_1_F4,16559	K.YELVTSPNK.D	1658.957	0.00584	3	1	30.5	0
P12163_1_F9,15589	K.YELVTSPNK.D	1658.957	0.00646	2	1	26.3	0
P12163_2_F1,15647	K.YELVTSPNK.D	1658.957	0.00208	2	1	33	0
P12163_1_F4,18705	K.YIVDGEWTCNK.Y	1993.031	0.00549	3	1	50.8	0
P12163_1_F4,18707	K.YIVDGEWTCNK.Y	1993.031	0.00697	2	1	41	0
P12163_2_F1,17948	K.YIVDGEWTCNK.Y	1993.031	0.01033	2	1	31.4	0
P12163_2_F1,17981	K.YIVDGEWTCNK.Y	1993.031	0.00645	3	1	45.8	0
P12163_1_S1,19660	R.DFDAFDLR.M	1302.663	0.00596	2	1	34.3	0
P12163_1_F2,18528	R.LTSDDFDLTK.D	1762.968	0.00521	2	1	34.6	0
P12163_2_S3,11328	R.NGGVTYVHCTAGLGR	1865.959	0.00465	3	1	34.8	0
P12163_2_S5,12018	R.NGGVTYVHCTAGLGR	1865.959	0.00459	3	1	24.2	0
P12163_2_F6,11915	K.DVVTHSM*APEK.V ! F	1837.994	0.00682	3	1	28.1	0
P12163_2_F6,11941	K.DVVTHSM*APEK.V ! F	1837.994	0.00716	2	1	43.7	0
P12163_1_F8,12224	K.DVVTHSMAPEK.V ! R.	1821.999	0.00382	3	1	29.3	0
P12163_1_S10,7826	K.EHGDMK.L	1324.714	0.00558	3	1	26.1	0
P12163_1_F3,21627	K.LAQICGVIASDEK.R	2012.131	0.00059	3	1	53.7	0
P12163_1_F3,21651	K.LAQICGVIASDEK.R	2012.131	0.00569	2	1	65.3	0
P12163_1_F4,22401	K.LAQICGVIASDEK.R	2012.131	0.00341	3	1	32.2	0
P12163_2_F6,19496	K.LAQICGVIASDEKR.H	2168.232	0.01049	3	1	29.5	0
P12163_1_F5,10069	R.ATFISHGNTAR.L ! R.A	1478.802	0.0023	3	1	43.8	0
P12163_1_F9,9236	R.ATFISHGNTAR.L ! R.A	1478.802	0.00263	3	1	24.4	0
P12163_2_F10,9962	R.ATFISHGNTAR.L ! R.A	1478.802	-0.00205	3	1	30.7	0
P12163_2_F4,8682	R.ATFISHGNTAR.L ! R.A	1478.802	-0.00607	3	1	45.3	0
P12163_2_F4,10236	R.ATFISHGNTAR.L ! R.A	1478.802	0.00236	3	1	56	0
P12163_2_F7,6679	R.ATFISHGNTAR.L ! R.A	1478.802	0.0026	4	1	44.1	0
P12163_2_F7,8668	R.ATFISHGNTAR.L ! R.A	1478.802	-0.0001	3	1	30.8	0
P12163_2_F7,10328	R.ATFISHGNTAR.L ! R.A	1478.802	0.00302	3	1	24.1	0
P12163_2_F1,10937	R.AWTAENR.H	1280.654	0.00378	2	1	25.8	0
P12163_1_F2,15390	R.DFVCGLPSR.I	1354.709	0.00409	3	1	32.4	0
P12163_1_F5,9764	R.HELAYTK.I	1469.857	0.00685	3	1	32.9	0
P12163_2_S5,10435	R.HELAYTK.I	1469.857	0.00637	3	1	44.9	0
P12163_1_F6,10889	R.HGDLLNK.Y	1404.842	0.00746	3	1	42.9	0
P12163_1_F7,10344	R.HGDLLNK.Y	1404.842	0.00047	3	1	34	0
P12163_1_S10,1178	R.HGDLLNK.Y	1404.842	0.00554	3	1	31.2	0
P12163_1_S10,1200	R.HGDLLNK.Y	1404.842	0.00467	3	1	29.7	0
P12163_2_F6,10839	R.HGDLLNK.Y	1404.842	0.00083	3	1	28.2	0
P12163_2_F8_12070	R.HGDLLNK.Y	1404.842	0.00323	3	1	32.1	0
P12163_2_F8_12070	R.HGDLLNK.Y	1404.842	0.00554	3	1	30.4	0
P12163_1_F6,15465	R.LGVYTAK.D	1359.846	0.00473	2	1	26.5	0
P12163_1_S10,1503	R.LGVYTAK.D	1359.846	0.00871	2	1	25.3	0
P12163_2_F1,14701	R.LGVYTAK.D	1359.846	0.00569	3	1	24	0
P12163_1_F3,14479	R.SIQYLIR.S ! K.SIQYLIR	1196.73	0.00151	3	1	23.5	0
P12163_2_F1,16315	K.DIPVMPK.G	1407.849	0.00564	3	1	36.7	0
P12163_2_F7,17287	K.EDLVGYLASGCKPK.E	2449.389	0.00876	4	1	24.8	0
P12163_1_S1,20221	K.ETGFLNEVAEVVR.T	1766.959	0.00325	3	1	27.3	0
P12163_1_S1,23597	K.ETGFLNEVAEVVR.T	1766.959	-0.00155	3	1	31.6	0
P12163_1_S1,23602	K.ETGFLNEVAEVVR.T	1766.959	0.0037	2	1	26.7	0

P12163_1_S1,23808	K.ETGFLNEVAEVVR.T	1766.959	0.00199	3	1	39.4	0
P12163_2_F6,21593	K.FGFEFGTLHPM*K.Y	2035.093	0.00771	3	1	23.3	0
P12163_1_F6,18158	K.LLDM*YHGK.W	1600.898	0.0057	3	1	24.6	0
P12163_1_F6,18077	K.LLDMYHGK.W	1584.903	0.00939	2	1	28	0
P12163_1_F9,17445	K.LLDMYHGK.W	1584.903	0.00579	3	1	22.1	0
P12163_2_F6,17409	K.LLDMYHGK.W	1584.903	0.00642	3	1	29	0
P12163_2_F6,17452	K.LLDMYHGK.W	1584.903	0.00201	2	1	33.5	0
P12163_1_S1,21959	K.VGSLGLDMM*FR.T ! k	1545.807	0.0004	3	1	37.4	0
P12163_1_F3,20574	K.VM*EGDYIIGLK.Q	1862.055	-0.00173	2	1	40.2	0
P12163_1_F3,22773	K.VM*EGDYIIGLK.Q	1862.055	0.00883	2	1	28.3	0
P12163_2_F7,19644	K.VM*EGDYIIGLK.Q	1862.055	0.00735	3	1	26	0
P12163_1_F3,22703	K.VMEGDYIIGLK.Q	1846.06	0.00432	3	1	22.1	0
P12163_1_F3,22704	K.VMEGDYIIGLK.Q	1846.06	0.00691	2	1	50.4	0
P12163_2_F7,19629	K.VMEGDYIIGLK.Q	1846.06	0.00753	3	1	23.5	0
P12163_1_F2,14805	K.YIDCAGMSFR.D	1523.729	0.00058	3	1	29.6	0
P12163_1_F7,11072	R.HVAQDVLK.L	1517.926	0.00386	3	1	25.8	0
P12163_1_F9,12160	R.HVAQDVLK.L	1517.926	0.00422	3	1	43.4	0
P12163_1_F9,12188	R.HVAQDVLK.L	1517.926	0.0066	2	1	40.1	0
P12163_1_S10,1237	R.HVAQDVLK.L	1517.926	0.00758	3	1	35.8	0
P12163_2_F8_1207C	R.HVAQDVLK.L	1517.926	0.00326	3	1	43.9	0
P12163_2_F9,11277	R.HVAQDVLK.L	1517.926	0.00482	3	1	34.8	0
P12163_2_F9,11360	R.HVAQDVLK.L	1517.926	0.00619	4	1	29.2	0
P12163_1_F9,11464	R.SHIWTDTDNR.A	1662.814	0.00377	3	1	23.5	0
P12163_1_F5,7543	R.TGVTPAEK.L	1410.841	0.00809	3	1	30.6	0
P12163_2_F1,8120	R.TGVTPAEK.L	1410.841	0.00491	3	1	34.6	0
P12163_2_F1,9548	R.TGVTPAEK.L	1410.841	0.00482	3	1	30.1	0
P12163_1_F5,15237	K.AGVFYDK.V	1407.809	0.00312	3	1	22.1	0
P12163_1_F5,15303	K.AGVFYDK.V	1407.809	0.0069	2	1	29.5	0
P12163_1_S10,1568	K.AGVFYDK.V	1407.809	0.00588	2	1	24.7	0
P12163_1_S10,1578	K.AGVFYDK.V	1407.809	0.00312	3	1	24.9	0
P12163_2_F1,15228	K.AGVFYDK.V	1407.809	0.00498	3	1	23.3	0
P12163_2_F1,15483	K.AGVFYDK.V	1407.809	0.00549	3	1	26.3	0
P12163_2_F2,16056	K.AGVFYDK.V	1407.809	0.00525	3	1	30.7	0
P12163_2_F8_1207C	K.AGVFYDK.V	1407.809	0.00696	2	1	29	0
P12163_1_F3,11062	K.ALNAVASR.N	1105.663	0.00446	3	1	28	0
P12163_1_S1,21106	K.DVIFDDYLR.K	1459.773	0.00306	2	1	31.5	0
P12163_1_S1,21130	K.DVIFDDYLR.K	1459.773	0.00356	3	1	38.5	0
P12163_2_F7,19352	K.DVIFDDYLR.K	1459.773	0.00208	2	1	25.5	0
P12163_1_F4,15044	K.GDGDYELVK.D	1603.879	0.00843	2	1	33.9	0
P12163_1_F4,15089	K.GDGDYELVK.D	1603.879	0.00916	3	1	26.8	0
P12163_1_F4,22571	K.LAAGEVLGPDQPIALK	2200.316	-0.00417	3	1	47	0
P12163_1_S1,19682	K.LAAGEVLGPDQPIALK	2200.316	0.00104	2	1	77.9	0
P12163_1_S1,19698	K.LAAGEVLGPDQPIALK	2200.316	0.00331	4	1	66	0
P12163_1_S1,19856	K.LAAGEVLGPDQPIALK	2200.316	0.00832	3	1	50.1	0
P12163_1_F4,12962	K.NAPSIPAK.N	1405.862	0.00533	2	1	25.1	0
P12163_1_F4,16059	K.TEQELLAEK.K	1668.963	-0.00002	2	1	47	0
P12163_1_F4,16083	K.TEQELLAEK.K	1668.963	0.00753	3	1	31.3	0
P12163_1_F5,14769	K.TEQELLAEK.K	1668.963	0.00898	2	1	41.8	0
P12163_1_F7,14097	K.TEQELLAEK.K	1668.963	0.00483	3	1	22.3	0
P12163_2_F1,15161	K.TEQELLAEK.K	1668.963	-0.001	2	1	35.1	0
P12163_2_F1,15184	K.TEQELLAEK.K	1668.963	0.0039	3	1	28.6	0

P12163_1_S1,20586	K.VIVVGNPCNTNALICL	2493.414	0.00095	3	1	26.5	0
P12163_1_F3,23386	K.WLEEGFTETIQK.R	2089.143	0.0056	3	1	49.4	0
P12163_1_F3,23487	K.WLEEGFTETIQK.R	2089.143	0.00084	2	1	51.8	0
P12163_1_F5,15982	R.INGLPVK.E	1348.877	0.00561	2	1	28.7	0
P12163_1_F3,19269	R.SSAASTSVSIVDAMK.S	2062.131	0.00764	3	1	46.6	0
P12163_1_F3,19291	R.SSAASTSVSIVDAMK.S	2062.131	0.00089	2	1	91.8	0
P12163_1_S1,17279	K.FGSAISDIGDIR.V	1554.843	0.00747	3	1	28.5	0
P12163_1_F7,14758	K.GLGM*NVIAHDPYQA.	2148.081	0.00223	3	1	43.6	0
P12163_2_S5,14646	K.GLGM*NVIAHDPYQA.	2148.081	0.00697	3	1	27.6	0
P12163_2_S5,16603	K.GLGM*NVIAHDPYQA.	2148.081	-0.00188	3	1	25.8	0
P12163_1_F7,16973	K.GLGMNVIAHDPYQA	2132.086	0.00511	3	1	46.2	0
P12163_2_S5,16546	K.GLGMNVIAHDPYQA	2132.086	0.00382	3	1	42.8	0
P12163_2_S5,16627	K.GLGMNVIAHDPYQA	2132.086	0.00196	2	1	27.1	0
P12163_1_F3,22898	K.LGEAGLDLLK.N	1637.009	0.00506	3	1	38.5	0
P12163_1_F3,22916	K.LGEAGLDLLK.N	1637.009	0.00525	2	1	47.3	0
P12163_2_F1,23064	K.LGEAGLDLLK.N	1637.009	0.00656	3	1	37.3	0
P12163_2_F1,23075	K.LGEAGLDLLK.N	1637.009	0.00593	2	1	49.4	0
P12163_1_F3,24786	K.LGGLAVQLVAGGSGV	2034.253	-0.00004	2	1	53.8	0
P12163_1_F3,24818	K.LGGLAVQLVAGGSGV	2034.253	0.00514	3	1	56.7	0
P12163_1_F4,23254	K.M*FNDEAFFK.M	1772.914	0.00704	2	1	24.9	0
P12163_1_F4,23256	K.MFNDEAFFK.M	1756.919	0.007	3	1	34.7	0
P12163_2_F1,22714	K.MFNDEAFFK.M	1756.919	0.01243	3	1	34.4	0
P12163_1_S1,18382	K.NFANVDCSYNLSPEEL	2869.396	0.00714	3	1	69.9	0
P12163_1_F4,18982	K.YVGVSLVCK.T	1632.96	0.00444	3	1	34.9	0
P12163_1_F9,17493	K.YVGVSLVCK.T	1632.96	0.00549	3	1	32.6	0
P12163_1_F9,17537	K.YVGVSLVCK.T	1632.96	0.00721	2	1	36.2	0
P12163_1_S1,14898	R.GGVVDEEALVR.A	1447.806	0.00204	2	1	50.4	0
P12163_1_S1,14950	R.GGVVDEEALVR.A	1447.806	0.00116	3	1	68.8	0
P12163_1_S1,8421	R.GPDDLDR.L	1192.611	-0.00125	3	1	27.1	0
P12163_1_S1,8641	R.GPDDLDR.L	1192.611	0.00292	3	1	25.7	0
P12163_1_F4,12891	R.NIAQADASVK.A	1624.948	0.00519	2	1	41.9	0
P12163_1_F4,12901	R.NIAQADASVK.A	1624.948	0.00202	3	1	47	0
P12163_2_F1,11957	R.NIAQADASVK.A	1624.948	0.01077	2	1	39.2	0
P12163_1_F3,14434	R.QVDQPGIIGK.V	1663	0.00242	2	1	37.9	0
P12163_1_F4,14901	R.QVDQPGIIGK.V	1663	0.00694	2	1	39.9	0
P12163_2_F1,13961	R.QVDQPGIIGK.V	1663	0.00628	2	1	38.6	0
P12163_1_F8,10605	K.DQNEHSDLEEGIR.R	1845.888	0.00424	3	1	22.5	0
P12163_1_F8,10612	K.DQNEHSDLEEGIR.R	1845.888	0.00286	2	1	30.5	0
P12163_2_F6,10431	K.DQNEHSDLEEGIR.R	1845.888	0.00504	2	1	35.3	0
P12163_1_F9,10211	K.HSASDIAICR.V	1433.747	0.00391	3	1	36.9	0
P12163_2_F9,9894	K.HSASDIAICR.V	1433.747	0.00304	3	1	31.2	0
P12163_1_F7,16095	K.SNLSEFDDVQGHGPF	2500.256	0.00798	3	1	23.5	0
P12163_1_F8,16779	K.SNLSEFDDVQGHGPF	2500.256	0.00864	3	1	51.6	0
P12163_1_F8,16842	K.SNLSEFDDVQGHGPF	2500.256	0.00867	4	1	25.5	0
P12163_2_F6,16279	K.SNLSEFDDVQGHGPF	2500.256	0.01242	3	1	39.7	0
P12163_1_F7,18678	R.AADLGVESIVIGM*PH	1985.079	0.00197	3	1	44.7	0
P12163_1_F7,20689	R.AADLGVESIVIGM*PH	1985.079	-0.00457	2	1	45.5	0
P12163_2_S5,17858	R.AADLGVESIVIGM*PH	1985.079	0.00266	3	1	58.6	0
P12163_1_F6,21550	R.AADLGVESIVIGMPHR	1969.084	0.00623	3	1	52.1	0
P12163_1_F7,20676	R.AADLGVESIVIGMPHR	1969.084	0.00404	3	1	66.3	0
P12163_2_S5,19874	R.AADLGVESIVIGMPHR	1969.084	0.00086	3	1	65.6	0

P12163_1_F8,16398	R.APSAASATGFYQVHVI	2242.244	0.00958	3	1	27.4	0
P12163_2_F6,15691	R.FGHNEIDEPSFTQPK.M	2354.224	0.00192	2	1	40	0
P12163_1_F3,23424	R.FGLEGGETLIPGMK.E	2057.156	0.01019	3	1	40.3	0
P12163_1_F3,23458	R.FGLEGGETLIPGMK.E	2057.156	0.00865	2	1	59.1	0
P12163_1_F4,21351	R.ILSEEFVASK.D	1731.015	0.00827	2	1	47.3	0
P12163_2_F1,20787	R.ILSEEFVASK.D	1731.015	0.00362	3	1	23.3	0
P12163_2_F1,20799	R.ILSEEFVASK.D	1731.015	0.00377	2	1	45.1	0
P12163_2_F1,21916	R.LNVLGNVVR.K	1287.805	0.00265	2	1	24.3	0
P12163_2_F1,22173	R.LNVLGNVVR.K	1287.805	0.00217	2	1	33.1	0
P12163_1_F3,10185	R.LSGQDVER.G	1207.658	0.00256	2	1	24.4	0
P12163_2_F1,10645	R.SSQYCTDVAK.A	1766.92	0.00464	2	1	53.8	0
P12163_1_F5,11905	K.AFEEAEK.N	1431.794	0.00409	3	1	31.8	0
P12163_1_F5,11910	K.AFEEAEK.N	1431.794	0.00981	2	1	29.1	0
P12163_2_F1,12320	K.AFEEAEK.N	1431.794	0.01127	2	1	28.5	0
P12163_2_F2,12698	K.AFEEAEK.N	1431.794	0.00903	2	1	28.5	0
P12163_1_F3,18218	K.AIANECQANFISVK.G	2173.19	0.00723	2	1	59.3	0
P12163_1_F4,19515	K.GILLYGPPGSGK.T	1767.062	0.01203	2	1	48.2	0
P12163_1_F4,19533	K.GILLYGPPGSGK.T	1767.062	0.00928	3	1	43.5	0
P12163_2_F1,18888	K.GILLYGPPGSGK.T	1767.062	0.00757	3	1	41.5	0
P12163_2_F1,18927	K.GILLYGPPGSGK.T	1767.062	0.00739	2	1	40.6	0
P12163_1_F9,18079	K.GVLFYGPFGCGK.T ! R	1860.03	0.00453	2	1	34.8	0
P12163_1_F9,18101	K.GVLFYGPFGCGK.T ! R	1860.03	0.00489	3	1	41	0
P12163_2_F1,18690	K.GVLFYGPFGCGK.T ! R	1860.03	0.00531	3	1	24.8	0
P12163_2_F1,18750	K.GVLFYGPFGCGK.T ! R	1860.03	-0.00101	2	1	39.1	0
P12163_1_F3,12437	K.LAGESESNLR.K	1379.743	0.00456	2	1	26.6	0
P12163_2_F1,11960	K.LAGESESNLR.K	1379.743	0.0015	2	1	24.3	0
P12163_1_S1,25017	K.NAPSIIFIDEIDSAPK.R	2451.395	0.01195	3	1	33.2	0
P12163_1_F7,14849	R.EDEDLDEVGYYDDVG	2342.105	0.00491	3	1	36.8	0
P12163_2_F4,14500	R.EDEDLDEVGYYDDVG	2342.105	0.00308	3	1	38	0
P12163_1_F7,14823	R.ELQETVQYPVEHPEK.I	2434.307	0.01214	3	1	48.7	0
P12163_2_F10,1428	R.ELQETVQYPVEHPEK.I	2434.307	0.00254	3	1	34	0
P12163_2_S5,14529	R.ELQETVQYPVEHPEK.I	2434.307	0.00521	3	1	61.8	0
P12163_2_S5,14556	R.ELQETVQYPVEHPEK.I	2434.307	0.0074	4	1	40.7	0
P12163_1_S1,19169	R.ELVELPLR.H	1272.783	0.00465	2	1	27.7	0
P12163_1_S1,19177	R.ELVELPLR.H	1272.783	0.00577	3	1	41	0
P12163_1_F2,7128	R.GSSVGDAGGAADR.V	1423.708	0.0022	2	1	36.2	0
P12163_1_F2,7309	R.SVSDADIR.K	1166.632	0.00323	2	1	24.8	0
P12163_1_F6,14407	K.AYDYIHAK.S	1588.894	0.01134	2	1	36.3	0
P12163_1_F6,14440	K.AYDYIHAK.S	1588.894	0.00399	3	1	32.4	0
P12163_1_F3,12369	K.DTGVSVFR.L	1184.658	0.00285	3	1	24	0
P12163_1_F3,14954	K.DTGVSVFR.L	1184.658	0.00128	2	1	24.5	0
P12163_1_F2,19589	K.FGLVAVDR.A	1180.699	0.0026	2	1	42.4	0
P12163_1_F7,13204	K.VTAWHNVPHPEER.L	1875.977	0.00301	4	1	22.3	0
P12163_2_F9,12995	K.VTAWHNVPHPEER.L	1875.977	0.00196	4	1	43.5	0
P12163_2_F9,13033	K.VTAWHNVPHPEER.L	1875.977	0.0052	3	1	41.1	0
P12163_2_F8_12070	K.YIEVDEGEEVSGENEV	3605.734	0.00457	4	1	45.8	0
P12163_1_F5,20162	R.AWSELQLAAK.Q	1725.015	0.00491	2	1	47.6	0
P12163_1_F5,20185	R.AWSELQLAAK.Q	1725.015	0.00511	3	1	31.2	0
P12163_2_F1,20812	R.AWSELQLAAK.Q	1725.015	0.00058	3	1	29.4	0
P12163_2_F1,20815	R.AWSELQLAAK.Q	1725.015	0.00345	2	1	40.8	0
P12163_2_F2,20721	R.AWSELQLAAK.Q	1725.015	0.00478	3	1	32.2	0

P12163_1_F7,18293	R.FGHYQM*EGLQDPLSF	2098.033	0.00104	3	1	39.3	0
P12163_1_F8,16954	R.FGHYQM*EGLQDPLSF	2098.033	0.00644	3	1	27	0
P12163_1_F8,19176	R.FGHYQM*EGLQDPLSF	2098.033	0.00272	3	1	34.3	0
P12163_1_F7,18267	R.FGHYQMEGLQDPLSR.	2082.038	0.0035	3	1	32.3	0
P12163_2_F6,18663	R.FGHYQMEGLQDPLSR.	2082.038	0.00464	3	1	53.4	0
P12163_2_F6,18691	R.FGHYQMEGLQDPLSR.	2082.038	0.00353	2	1	36	0
P12163_1_F3,22938	R.FWSDPDIELK.L	1858.021	0.00584	2	1	32.5	0
P12163_1_F3,22948	R.FWSDPDIELK.L	1858.021	0.00724	3	1	24.6	0
P12163_1_F2,19116	R.GVYDPGLFR.V	1327.731	0.00176	2	1	26	0
P12163_1_F3,18547	R.IMPAPVINGLK.E	1777.05	0.00529	2	1	32.2	0
P12163_2_S5,11301	R.VLHQFHER.Y	1369.764	0.00255	3	1	32.8	0
P12163_1_F3,17057	K.AADVADLVGK.V	1623.953	0.00849	2	1	47.5	0
P12163_1_F3,17070	K.AADVADLVGK.V	1623.953	0.00805	3	1	35	0
P12163_1_F3,17332	K.AADVADLVGK.V	1623.953	0.01089	2	1	39	0
P12163_2_F2,16607	K.AADVADLVGK.V	1623.953	0.00207	3	1	26.2	0
P12163_1_F2,20692	K.AAVIGDTIGDPLK.D	1878.116	0.00493	3	1	52.3	0
P12163_1_F2,20719	K.AAVIGDTIGDPLK.D	1878.116	0.00321	2	1	23.9	0
P12163_1_F5,7975	K.GQACTYDQK.M	1806.926	0.00679	2	1	52.8	0
P12163_1_F5,7995	K.GQACTYDQK.M	1806.926	0.00831	3	1	30.9	0
P12163_2_F1,8431	K.GQACTYDQK.M	1806.926	0.00431	2	1	49.3	0
P12163_2_F8_12070	K.GQACTYDQK.M	1806.926	0.00333	3	1	22.5	0
P12163_1_F9,6115	K.GSEPHK.A	1262.731	0.00784	3	1	23.7	0
P12163_1_F4,14040	K.ISTDASIK.E	1442.867	0.00977	2	1	39.8	0
P12163_2_F1,13074	K.ISTDASIK.E	1442.867	0.0074	3	1	29.4	0
P12163_1_F5,10988	K.SVGSAAALK.M	1340.836	0.01071	2	1	39.4	0
P12163_2_F2,11809	K.SVGSAAALK.M	1340.836	0.00573	2	1	28.3	0
P12163_1_F6,10885	K.YIEAGASEHAR.T	1507.781	0.00614	3	1	28.4	0
P12163_1_F2,18624	R.AGITTVDVLTTPK.V	1823.11	0.00738	3	1	56.6	0
P12163_1_F2,18633	R.AGITTVDVLTTPK.V	1823.11	0.00411	2	1	39.8	0
P12163_1_F3,19201	R.AGITTVDVLTTPK.V	1823.11	0.00252	3	1	43.8	0
P12163_1_S1,9652	R.NIPEDDPR.N	1259.653	0.00434	2	1	28.6	0
P12163_1_S1,11426	R.TDALDAAGNTTAAIGF	2098.16	0.00349	4	1	23.2	0
P12163_1_S1,13508	R.TDALDAAGNTTAAIGF	2098.16	0.01032	3	1	34.7	0
P12163_1_S1,13531	R.TDALDAAGNTTAAIGF	2098.16	0.00789	4	1	44.1	0
P12163_1_S1,15595	R.TDALDAAGNTTAAIGF	2098.16	0.00609	3	1	71.6	0
P12163_1_F5,12615	R.VGGGIYTK.A	1402.851	0.00836	2	1	28.4	0
P12163_1_F3,17057	K.AADVADLVGK.V	1623.953	0.00849	2	1	47.5	0
P12163_1_F3,17070	K.AADVADLVGK.V	1623.953	0.00805	3	1	35	0
P12163_1_F3,17332	K.AADVADLVGK.V	1623.953	0.01089	2	1	39	0
P12163_2_F2,16607	K.AADVADLVGK.V	1623.953	0.00207	3	1	26.2	0
P12163_1_F2,20692	K.AAVIGDTIGDPLK.D	1878.116	0.00493	3	1	52.3	0
P12163_1_F2,20719	K.AAVIGDTIGDPLK.D	1878.116	0.00321	2	1	23.9	0
P12163_1_F4,14040	K.ISTDASIK.E	1442.867	0.00977	2	1	39.8	0
P12163_2_F1,13074	K.ISTDASIK.E	1442.867	0.0074	3	1	29.4	0
P12163_1_F5,15794	K.SQACTYDPFK.M	1824.941	0.01162	2	1	31.8	0
P12163_1_F5,10988	K.SVGSAAALK.M	1340.836	0.01071	2	1	39.4	0
P12163_2_F2,11809	K.SVGSAAALK.M	1340.836	0.00573	2	1	28.3	0
P12163_1_F6,10885	K.YIEAGASEHAR.T	1507.781	0.00614	3	1	28.4	0
P12163_1_F3,19392	R.AAISTVDVLTTPK.V	1823.11	0.00708	2	1	58.4	0
P12163_1_F4,7524	R.DASGNSPGAGGGK.N	1682.892	0.01032	3	1	35	0
P12163_1_F5,6344	R.DASGNSPGAGGGK.N	1682.892	0.00836	2	1	58.5	0

P12163_2_F1,6685	R.DASGNSPGAGGGK.N	1682.892	0.00267	3	1	42.9	0
P12163_1_S1,9652	R.NIPEDDPR.N	1259.653	0.00434	2	1	28.6	0
P12163_1_S1,11426	R.TDALDAAGNTTAAIGI	2098.16	0.00349	4	1	23.2	0
P12163_1_S1,13508	R.TDALDAAGNTTAAIGI	2098.16	0.01032	3	1	34.7	0
P12163_1_S1,13531	R.TDALDAAGNTTAAIGI	2098.16	0.00789	4	1	44.1	0
P12163_1_S1,15595	R.TDALDAAGNTTAAIGI	2098.16	0.00609	3	1	71.6	0
P12163_1_F5,12615	R.VGGGIYTK.A	1402.851	0.00836	2	1	28.4	0
P12163_1_F8,13868	K.ETLVCHDDSATPIK.A	2194.163	0.00461	3	1	48.4	0
P12163_2_S5,12955	K.ETLVCHDDSATPIK.A	2194.163	0.00815	3	1	33.7	0
P12163_1_F7,15903	K.GSPNIEM*DEHTFLVN	2179.075	0.00312	3	1	28.6	0
P12163_1_F7,17156	K.GSPNIEM*DEHTFLVN	2179.075	0.00384	3	1	63	0
P12163_1_F7,17147	K.GSPNIEMDEHTFLVNR	2163.081	0.00145	3	1	62.7	0
P12163_2_S5,16919	K.GSPNIEMDEHTFLVNR	2163.081	0.00313	3	1	72.1	0
P12163_1_S1,19920	K.QQLQSIASLASLTR.E	1907.086	0.01556	3	1	25	0
P12163_1_S1,22466	K.QQLQSIASLASLTR.E	1907.086	0.00173	3	1	94.4	0
P12163_1_F8,15608	K.TIDELHSLQK.K	1792.042	0.00529	3	1	23	0
P12163_1_F8,15632	K.TIDELHSLQK.K	1792.042	0.00393	2	1	49.8	0
P12163_2_F6,15072	K.TIDELHSLQK.K	1792.042	0.0046	3	1	27.8	0
P12163_2_F6,15075	K.TIDELHSLQK.K	1792.042	0.00203	2	1	56	0
P12163_2_S5,7157	K.TTLSTDHNR.Y	1348.712	0.00224	3	1	37.8	0
P12163_1_F7,22035	K.VFVNDQFLNWDPEHR	2220.114	0.00335	3	1	67.4	0
P12163_1_F5,18001	K.YAAMLAEK.M	1504.865	0.00689	2	1	26.5	0
P12163_2_F7,17132	R.AAYPIEYIPNAK.I	1958.121	0.00966	2	1	38.7	0
P12163_2_F7,17138	R.AAYPIEYIPNAK.I	1958.121	0.00705	3	1	31.5	0
P12163_1_F7,22087	R.IIDAIHSGTLLEASYTK	2440.391	0.004	3	1	23.1	0
P12163_1_F5,7630	R.IQTNNNNK.E	1553.886	0.0067	2	1	27.6	0
P12163_2_F2,8494	R.IQTNNNNK.E	1553.886	0.00666	2	1	27.1	0
P12163_1_F4,11569	R.STPSTPIK.S	1438.873	0.00468	2	1	26.8	0
P12163_1_F2,13369	K.ANASGADLVEIR.L	1519.838	0.0031	3	1	50.6	0
P12163_1_S1,12784	K.ANASGADLVEIR.L	1519.838	0.00382	3	1	46.3	0
P12163_1_S1,14966	K.ANASGADLVEIR.L	1519.838	-0.00587	3	1	51	0
P12163_1_S1,14974	K.ANASGADLVEIR.L	1519.838	0.00265	2	1	38.3	0
P12163_1_F3,12496	K.CCDEVDPAK.S	1800.908	0.00327	2	1	38.2	0
P12163_1_F4,13096	K.CCDEVDPAK.S	1800.908	0.00357	2	1	47.2	0
P12163_1_S1,22860	K.DLLDLYNFR.Q	1472.805	0.00303	3	1	37.8	0
P12163_1_F3,24525	K.LFVVIGAGGAGK.A	1697.057	0.00894	3	1	30.1	0
P12163_2_F1,24538	K.LFVVIGAGGAGK.A	1697.057	0.00617	2	1	33.4	0
P12163_2_F1,24561	K.LFVVIGAGGAGK.A	1697.057	0.00357	3	1	62.3	0
P12163_2_F1,15540	K.MVVDMGK.A	1387.79	0.00327	2	1	25.8	0
P12163_1_S1,20773	K.NPTLICVPIMGESVDK.	2381.303	0.00318	3	1	61.1	0
P12163_2_F1,17978	K.SIGAVNCIIR.R	1406.809	0.00418	2	1	30.6	0
P12163_1_F4,19931	K.SPILYNEAFK.S	1790.031	0.00785	3	1	25.4	0
P12163_2_F9,17366	K.SPILYNEAFK.S	1790.031	0.00326	3	1	33.7	0
P12163_1_F4,14909	K.VDETPIPK.H	1506.899	0.00503	3	1	37	0
P12163_1_F4,14912	K.VDETPIPK.H	1506.899	0.00622	2	1	38.9	0
P12163_2_F1,13946	K.VDETPIPK.H	1506.899	0.00542	2	1	27.7	0
P12163_1_F4,15520	R.IQASGADIVK.F	1609.973	0.00457	2	1	49.7	0
P12163_2_F1,14571	R.IQASGADIVK.F	1609.973	0.00364	3	1	54.4	0
P12163_2_F1,18415	R.LNVSGGVSSALAGK.L	1868.106	0.007	3	1	61.2	0
P12163_1_F3,16889	K.GLDVIQQAQSGTGK.T	2010.144	0.00414	2	1	71.8	0
P12163_1_F3,16955	K.GLDVIQQAQSGTGK.T	2010.144	0.00461	3	1	56.3	0

P12163_1_F5,16219	K.QFYVNVEK.E	1634.936	0.00232	2	1	30.8	0
P12163_1_F9,16143	K.RDELTLEGIK.Q	1782.058	0.00668	3	1	41.2	0
P12163_2_F9,15208	K.RDELTLEGIK.Q	1782.058	0.00797	3	1	40.4	0
P12163_1_F9,9428	K.VHACVGGTSVR.E	1446.779	0.00397	3	1	29.5	0
P12163_2_F4,8806	K.VHACVGGTSVR.E	1446.779	-0.00044	3	1	32.3	0
P12163_1_F4,20424	R.ALGDYLGVK.V	1543.93	0.00489	2	1	47.3	0
P12163_1_F4,20432	R.ALGDYLGVK.V	1543.93	0.01204	3	1	24.2	0
P12163_2_F1,19806	R.ALGDYLGVK.V	1543.93	0.00525	2	1	47.6	0
P12163_2_F1,19815	R.ALGDYLGVK.V	1543.93	0.00466	3	1	24.3	0
P12163_2_F9,17694	R.ALGDYLGVK.V	1543.93	0.00325	2	1	37.1	0
P12163_2_F9,17760	R.ALGDYLGVK.V	1543.93	0.00646	3	1	26.9	0
P12163_1_F4,19120	R.DELTLEGIK.Q	1625.957	0.0048	2	1	45.9	0
P12163_1_F4,7583	R.DHTVSATHGDMQNT	2088.967	0.01115	3	1	26.9	0
P12163_1_F5,13818	R.ELAQQIEK.E ! R.ELAQ	1566.931	0.00899	2	1	37.3	0
P12163_1_F5,13853	R.ELAQQIEK.E ! R.ELAQ	1566.931	0.00404	3	1	24	0
P12163_2_F6,17410	R.GIYAYGFEKPSAIQQR.	2436.35	0.00113	3	1	25.4	0
P12163_1_F7,18976	R.ILQAGVHVVVGTPGR.	1807.086	0.01215	3	1	63.6	0
P12163_2_F8_12070	R.KVDWLTDK.M	1917.157	0.01044	3	1	34	0
P12163_1_F4,21437	K.AEVLVLASGK.D	1594.999	0.00533	2	1	46.8	0
P12163_1_F4,21486	K.AEVLVLASGK.D	1594.999	0.00389	3	1	40.4	0
P12163_2_F1,20901	K.AEVLVLASGK.D	1594.999	0.00621	2	1	40.2	0
P12163_1_F3,14057	K.DNMLPSEDEAK.R	1856.952	0.00972	2	1	34.5	0
P12163_1_F4,14478	K.DYLDAAK.E	1403.799	0.01021	2	1	27.4	0
P12163_1_S10,1865	K.NIMVHGIAHPEIFLGR.	2108.174	0.00212	4	1	25.2	0
P12163_2_F10,1750	K.NIMVHGIAHPEIFLGR.	2108.174	0.00116	4	1	30	0
P12163_1_F6,14413	K.SHVLLYPGGAR.E	1473.848	0.00167	3	1	38.6	0
P12163_2_F7,12708	K.SHVLLYPGGAR.E	1473.848	-0.00509	3	1	40.4	0
P12163_2_S5,13418	K.SHVLLYPGGAR.E	1473.848	0.00079	3	1	35.4	0
P12163_1_F3,18310	R.AVYGDEVPTFK.L	1834.021	0.00137	2	1	51	0
P12163_1_F9,16214	R.CLHIPVYDR.T	1476.793	0.00413	3	1	30.8	0
P12163_1_S1,23534	R.GEVANQALFFPGLLPK	2309.348	0.00178	3	1	32.7	0
P12163_1_S1,23539	R.GEVANQALFFPGLLPK	2309.348	0.00532	4	1	33.4	0
P12163_1_F3,16841	R.LNNSLQNCIVR.N	1634.895	0.00448	2	1	43.6	0
P12163_1_F3,24124	R.LSVMSDIIPK.D	1711.028	0.00424	2	1	39	0
P12163_1_F3,24157	R.LSVMSDIIPK.D	1711.028	0.00509	3	1	33.3	0
P12163_1_F3,24969	R.SQLQPLFPILK.A	1892.183	-0.00135	2	1	33.4	0
P12163_1_F3,24980	R.SQLQPLFPILK.A	1892.183	0.00368	3	1	27.5	0
P12163_2_F1,25080	R.SQLQPLFPILK.A	1892.183	0.00623	3	1	33.7	0
P12163_1_F6,14624	K.AHGGVSVFGGVGER.T	1632.876	-0.00047	3	1	29.5	0
P12163_2_F6,13875	K.AHGGVSVFGGVGER.T	1632.876	0.00148	3	1	38.4	0
P12163_2_F1,15645	K.ATNLEMESNLK.K	1858.02	0.00549	2	1	34.5	0
P12163_1_F3,12254	K.ESGVINDQNLSESK.V	2128.134	0.00572	3	1	29.2	0
P12163_1_F7,22257	K.GRDTVDPINVTCEVC	2930.506	0.0087	3	1	34.7	0
P12163_1_F4,21648	K.IGLFGGAGVGK.T	1583.973	0.01162	3	1	29.2	0
P12163_1_F7,19404	K.IGLFGGAGVGK.T	1583.973	0.00832	3	1	27.6	0
P12163_2_F4,18381	K.IGLFGGAGVGK.T	1583.973	-0.00962	3	1	26.9	0
P12163_1_S1,15750	K.SAPAFIQLDTR.L	1522.853	-0.00521	3	1	40.8	0
P12163_1_S1,16247	K.SAPAFIQLDTR.L	1522.853	0.00232	3	1	33.1	0
P12163_1_S1,17795	K.SAPAFIQLDTR.L	1522.853	-0.00413	3	1	45.6	0
P12163_1_S1,17798	K.SAPAFIQLDTR.L	1522.853	0.00719	2	1	44	0
P12163_1_S1,18944	K.VALVYGMNEPPGAR	1906.016	-0.0033	3	1	34.9	0

P12163_1_S1,22597	K.VVDLLAPYR.R	1349.809	0.00314	2	1	24.1	0
P12163_1_S1,22625	K.VVDLLAPYR.R	1349.809	0.0016	3	1	38.7	0
P12163_1_S1,23951	R.FVQAGSEVSALLGR.M	1737.98	0.00058	3	1	40	0
P12163_1_F3,17344	R.INPTTSGPGVSAFANK.	2169.212	0.01154	3	1	37.2	0
P12163_1_F4,24570	R.LSIFETGIK.V	1615.988	0.00576	2	1	30.3	0
P12163_1_F4,24612	R.LSIFETGIK.V	1615.988	0.00208	3	1	38.9	0
P12163_2_F1,23912	R.LSIFETGIK.V	1615.988	0.00547	3	1	46	0
P12163_2_F6,12687	K.ATQDVFPDHK.E	1765.969	-0.00009	3	1	25.9	0
P12163_1_F3,18834	K.CDVIASGIVNAAK.Q	1926.094	0.0028	3	1	33.3	0
P12163_1_F3,18876	K.CDVIASGIVNAAK.Q	1926.094	0.00733	3	1	27.4	0
P12163_1_F4,14598	K.GGTSIEDLAEK.Y	1727.964	0.00788	3	1	22.6	0
P12163_1_F9,11444	K.GGVHIVK.K	1317.846	0.00814	2	1	32.8	0
P12163_1_F3,17175	K.GLAVASVDEVK.K	1696.01	0.0056	2	1	55.2	0
P12163_1_F3,17193	K.GLAVASVDEVK.K	1696.01	0.00841	3	1	35.4	0
P12163_1_F2,18534	K.LNFDDNAAFR.Q	1486.759	0.00413	2	1	25.2	0
P12163_1_F4,13176	K.QLVAADAK.L	1423.873	0.00548	2	1	27.6	0
P12163_1_F4,15835	K.VVDGLAPK.V	1406.883	0.00558	2	1	30.1	0
P12163_1_F4,15910	K.VVDGLAPK.V	1406.883	0.00677	3	1	29.5	0
P12163_2_F1,14953	K.VVDGLAPK.V	1406.883	0.00626	2	1	31.6	0
P12163_1_F4,12884	R.LEGTNVDQ GK.R	1668.938	0.00878	3	1	26.8	0
P12163_2_F1,11873	R.LEGTNVDQ GK.R	1668.938	0.00101	2	1	32.3	0
P12163_1_F7,15409	R.LNIHEYQGAELM*AK.	2241.216	0.00896	3	1	25	0
P12163_1_F8,16090	R.LNIHEYQGAELM*AK.	2241.216	0.00257	3	1	39.6	0
P12163_1_F8,17904	R.LNIHEYQGAELM*AK.	2241.216	0.00107	3	1	25.3	0
P12163_2_F6,17391	R.LNIHEYQGAELM*AK.	2241.216	0.00494	3	1	45	0
P12163_1_F5,11735	R.NDAIEQVK.K	1524.884	0.00905	2	1	35	0
P12163_2_F9,10302	K.HEEVVEQVK.K	1704.974	0.00508	2	1	41.8	0
P12163_2_F9,10315	K.HEEVVEQVK.K	1704.974	0.00322	3	1	51.3	0
P12163_2_F1,10934	K.NLENPDPK.F	1534.868	0.00402	2	1	25.2	0
P12163_1_F6,20950	K.SLLLLHIDGTSPVAEDI	2284.245	0.00353	3	1	39.3	0
P12163_1_F5,10391	R.EQTTYAK.V	1611.884	0.01274	2	1	24.8	0
P12163_1_F3,14672	R.IDSVDASTVK.R	1642.947	0.00839	2	1	25.3	0
P12163_1_F3,14721	R.IDSVDASTVK.R	1642.947	0.00495	3	1	32.6	0
P12163_1_F4,17510	R.MVIAASGAVK.H	1554.95	0.00873	3	1	61.7	0
P12163_1_F4,17525	R.MVIAASGAVK.H	1554.95	0.00822	2	1	45.6	0
P12163_2_F1,16669	R.MVIAASGAVK.H	1554.95	0.00168	3	1	50.5	0
P12163_2_F1,16670	R.MVIAASGAVK.H	1554.95	0.00368	2	1	45.7	0
P12163_2_F9,20840	R.RIPFAELFAR.I	1523.9	0.00324	3	1	40.3	0
P12163_1_F4,17462	R.TILGPAQNIK.T	1663.036	0.00712	2	1	25.4	0
P12163_2_F1,16621	R.TILGPAQNIK.T	1663.036	0.0038	2	1	24.4	0
P12163_1_F4,13470	R.VATESNLAAK.T	1611.953	0.00692	2	1	30.4	0
P12163_1_F5,12121	R.VATESNLAAK.T	1611.953	0.00464	2	1	27.7	0
P12163_2_F1,12526	R.VATESNLAAK.T	1611.953	0.00412	2	1	41.1	0
P12163_1_F3,26527	R.VGINEIAESMMAFNTN	2640.362	0.00513	3	1	37.9	0
P12163_1_F2,9105	R.VSEADVTR.A	1180.647	0.00636	3	1	32.6	0
P12163_1_S10,1369	K.FHDVGMK.I	1441.808	0.00672	3	1	31.3	0
P12163_2_F8_12070	K.FHDVGMK.I	1441.808	0.00138	3	1	25.7	0
P12163_1_F7,20544	K.HLEGFYEELPIVK.E	2182.237	0.00322	3	1	23.3	0
P12163_1_F8,19645	K.ILGDVVLNHR.C	1439.864	0.00294	3	1	57.6	0
P12163_1_F8,19759	K.ILGDVVLNHR.C	1439.864	0.00327	2	1	33.7	0
P12163_1_F8,19914	K.ILGDVVLNHR.C	1439.864	0.00576	3	1	53.7	0

P12163_2_F6,19062	K.ILGDVVLNHR.C	1439.864	0.00246	3	1	62.2	0
P12163_2_F6,19303	K.ILGDVVLNHR.C	1439.864	0.00498	3	1	26.6	0
P12163_1_F7,22496	K.ISPGTGTGFEILCQGFN	3073.566	0.00105	3	1	27.7	0
P12163_1_F3,19803	K.LAEGDVFDQVK.I	1829.026	0.00859	2	1	56.4	0
P12163_1_F3,19819	K.LAEGDVFDQVK.I	1829.026	0.00152	3	1	32.4	0
P12163_2_F2,18538	K.LNENTWLK.C	1625.947	0.00742	3	1	31.3	0
P12163_2_F10,1327	K.SSGDNFHAAPNIDHSQ	2518.201	0.00411	4	1	26.4	0
P12163_2_F4,13172	K.SSGDNFHAAPNIDHSQ	2518.201	-0.00161	4	1	32	0
P12163_1_F3,25125	K.STFGLWPGALGQLSK.	2170.248	0.01052	3	1	23.9	0
P12163_1_F3,25127	K.STFGLWPGALGQLSK.	2170.248	0.00038	3	1	33.8	0
P12163_1_F8,12487	R.AVVADDPHFQGR.G	1615.849	0.0018	3	1	33.7	0
P12163_1_F3,20262	R.DVYAAIIDEK.V	1744.994	0.00747	3	1	32.7	0
P12163_1_F7,22993	R.TSAPTFEAAVELEES	3290.792	0.00788	4	1	32.6	0
P12163_2_F8_12070	K.DGCSHGK.G	1368.715	0.00384	3	1	31.8	0
P12163_2_F1,25510	K.ELLSFFR.Q	1215.704	0.00245	2	1	31.7	0
P12163_1_F4,13723	K.EVDDAIK.A	1468.847	0.01497	2	1	37.9	0
P12163_1_S1,16639	K.GYGVVEVFGADR.K	1473.764	0.00532	2	1	36.3	0
P12163_1_F8,20174	K.LILAHDLATEK.E	1832.11	0.00488	2	1	30.6	0
P12163_2_F6,19738	K.LILAHDLATEK.E	1832.11	0.00358	2	1	27.5	0
P12163_1_S1,19628	K.NGPMILEMDTYR.Y	1743.871	0.00344	3	1	57.3	0
P12163_1_F3,18662	K.VDGM DALAVK.Q	1626.934	0.00801	3	1	42.9	0
P12163_1_F9,11621	R.DHCTFLGR.G	1309.662	0.00577	3	1	21.9	0
P12163_1_F9,12419	R.KEVDDAIK.A	1901.147	0.01431	2	1	30.5	0
P12163_1_F4,20440	R.MEIAADS LYK.A	1748.971	0.00928	3	1	48.8	0
P12163_1_F4,20558	R.MEIAADS LYK.A	1748.971	0.01171	2	1	34.7	0
P12163_2_F1,19845	R.MEIAADS LYK.A	1748.971	0.0058	2	1	36.6	0
P12163_2_F1,19861	R.MEIAADS LYK.A	1748.971	0.00412	3	1	42.2	0
P12163_2_F9,15309	R.RMEIAADS LYK.A	1905.072	0.00503	3	1	30.6	0
P12163_2_F9,15345	R.RMEIAADS LYK.A	1905.072	0.00291	4	1	28.7	0
P12163_2_F1,8108	K.GGGESSYYSR.W	1366.654	0.0057	2	1	26.5	0
P12163_1_F7,15502	K.HASGPVVDCE SCLVGI	2160.084	0.00404	3	1	56.9	0
P12163_2_F8_12070	K.HASGPVVDCE SCLVGI	2160.084	0.00377	3	1	22.5	0
P12163_1_F4,22417	K.SCSIQNVTDYFVK.I	2169.147	0.00746	3	1	31.6	0
P12163_2_F1,21813	K.SCSIQNVTDYFVK.I	2169.147	0.00467	3	1	33	0
P12163_1_F3,24737	R.AAGIDSLVFLTK.S	1843.115	0.01288	3	1	34.4	0
P12163_1_F3,24741	R.AAGIDSLVFLTK.S	1843.115	0.00574	2	1	35.5	0
P12163_1_F9,9748	R.ATHNEQLVK.E	1647.964	0.00684	3	1	33.3	0
P12163_2_S5,12825	R.LLHYEGGSR.T	1392.754	0.00163	3	1	22.1	0
P12163_1_F9,13805	R.LPHVIR.T	1038.673	0.00428	3	1	28.1	0
P12163_1_F3,5253	R.NSHYPQHPR.W	1439.745	0.00373	4	1	32.4	0
P12163_2_F2,5711	R.NSHYPQHPR.W	1439.745	0.00213	4	1	34.4	0
P12163_1_F4,16550	R.VDMSSLTK.L	1488.855	0.00334	2	1	29.5	0
P12163_1_F4,16565	R.VDMSSLTK.L	1488.855	0.00333	3	1	24.9	0
P12163_1_F2,9648	R.VVYDGTPR.V	1210.673	0.003	3	1	29.4	0
P12163_2_F2,18437	R.WVTFQNK.E	1530.889	0.00525	2	1	31.3	0
P12163_2_F9,5990	K.AQPHSVSR.S	1313.723	0.00273	3	1	22.6	0
P12163_1_F3,21672	K.DLETEALTALK.A	1812.057	0.00603	3	1	29.9	0
P12163_2_F1,17266	K.LNISLER.G	1148.694	0.00331	2	1	37.6	0
P12163_2_F1,10718	R.ANSALTVR.E	1135.674	0.00018	2	1	33.3	0
P12163_2_F6,7795	R.EVQEDVHR.I	1315.691	0.00405	3	1	48.1	0
P12163_1_F3,14091	R.GQIDSIFR.I	1239.7	0.0034	3	1	23.5	0

P12163_2_F8_1207	C.R.LEYAFNDK.Q	1607.889	0.005	3	1	22.2	0
P12163_1_S1,21502	R.LQVAEAEVNNISIR.F	1860.049	0.00049	3	1	55.5	0
P12163_1_S1,21589	R.LQVAEAEVNNISIR.F	1860.049	0.00898	2	1	28.4	0
P12163_1_S1,21708	R.LQVAEAEVNNISIR.F	1860.049	0.00451	3	1	71.8	0
P12163_1_F8,10717	R.TPGTHVHGNQPDNSSI	2392.227	0.00099	4	1	25.7	0
P12163_1_F2,13796	R.VDSPLGPLR.L	1257.747	0.00235	3	1	36.3	0
P12163_1_F2,17310	R.VDSPLGPLR.L	1257.747	0.00252	2	1	27.8	0
P12163_1_S1,21550	R.VLISEVLVR.N	1331.856	0.00365	2	1	36.2	0
P12163_1_S1,21768	R.VLISEVLVR.N	1331.856	0.00367	2	1	33	0
P12163_1_F4,14826	K.ANSQISNLEDEK.A	1956.049	0.00532	2	1	65.6	0
P12163_1_F7,20213	K.ASEELQNVSHELEATA	2431.2	0.00143	3	1	42.2	0
P12163_1_F4,18776	K.EAAIVSLEK.D	1567.951	0.01233	2	1	33.5	0
P12163_2_F1,18031	K.EAAIVSLEK.D	1567.951	0.00421	2	1	35.6	0
P12163_2_F1,18066	K.EAAIVSLEK.D	1567.951	0.00885	3	1	28.9	0
P12163_2_F1,15698	K.ELQALEK.Q ! R.ELQAI	1438.873	0.00481	2	1	27	0
P12163_1_F9,16556	K.KLEEELASAK.G	2030.226	0.01085	3	1	30.6	0
P12163_1_S1,19199	K.LELTLDEACENR.A	1766.89	0.00355	3	1	52.6	0
P12163_1_F4,10844	K.LSSENETASNAK.R	1858.997	-0.00104	2	1	43.1	0
P12163_1_F2,10434	K.TLVNDENPR.K	1361.733	0.00472	2	1	24.5	0
P12163_1_F3,7912	K.TLVNDENPR.K	1361.733	0.00065	3	1	44.2	0
P12163_2_F6,19454	K.YELQITQETLETTR.N	2029.075	-0.00225	2	1	35.2	0
P12163_1_F3,15865	R.ASSLLVER.D	1178.705	0.00242	2	1	24.8	0
P12163_1_F2,22260	R.IEIDSLQTSLLK.F	1968.184	0.00261	3	1	37.5	0
P12163_1_F3,15784	K.EVDEQMINVQNK.N ! I	2055.1	0.005	2	1	71.2	0
P12163_2_F10,1891	K.FWEVICDEHGIDHTGK	2551.286	0.00143	4	1	29.9	0
P12163_2_F10,1913	K.FWEVICDEHGIDHTGK	2551.286	0.00415	4	1	22.7	0
P12163_1_S1,23245	K.LAVNLIPFPR.L	1443.899	0.00187	3	1	36.6	0
P12163_1_S1,12322	K.YSGSDQLQLER.I	1586.796	0.00941	3	1	55.2	0
P12163_1_F8,15536	R.EILHIQGGQCGNQIGAI	2431.334	0.0044	3	1	52.2	0
P12163_1_F2,15019	R.FPQQLNSDLR.K	1450.796	0.00178	3	1	40.8	0
P12163_1_F3,16568	R.INVYYNEASGGR.Y	1646.844	0.00801	2	1	28.8	0
P12163_1_F8,22050	R.KLAVNLIPFPR.L	1876.199	0.00927	3	1	27.8	0
P12163_2_F6,21707	R.KLAVNLIPFPR.L	1876.199	0.00288	3	1	34	0
P12163_1_F8,24105	R.LHFFM*VGFAPLTSR.C	1943.051	0.00513	3	1	43.6	0
P12163_1_F3,26332	R.MMLTFSVFPSPK.V	1993.111	0.00817	3	1	44.8	0
P12163_1_F3,17068	R.YLTASAMFR.G	1363.735	0.00428	3	1	38.5	0
P12163_1_F2,16701	K.AGDEQLNVFR.F	1452.775	0.00492	2	1	37	0
P12163_2_F1,8290	K.AVTDGQTK.W	1427.831	0.00396	2	1	31.6	0
P12163_1_F5,18964	K.ELGLAFK.G	1385.861	0.00238	2	1	26.5	0
P12163_1_F3,14123	K.EYGITAPDTK.N	1702.947	0.00598	2	1	26.2	0
P12163_1_F3,17665	K.IDITGTSIGK.R	1612.973	0.01231	2	1	30.9	0
P12163_1_S1,23740	K.LPFAAAQIGQAFR.N	1693.969	-0.0001	3	1	33	0
P12163_1_F4,23471	K.NVVEALEAM*NEK.E	1971.068	-0.00035	3	1	23	0
P12163_1_F4,23512	K.NVVEALEAMNEK.E	1955.073	0.00799	3	1	33.3	0
P12163_1_F2,8919	K.QSAVDAQGNAVR.A	1519.813	0.00412	2	1	32.8	0
P12163_1_F3,22615	R.FPPLVAPIK.C	1590.024	0.00473	3	1	29	0
P12163_1_F3,18895	R.GVAGLYDYGPPGCAV	2232.194	0.00774	3	1	55.5	0
P12163_1_F3,19703	R.VSLDEAASVIK.A	1740.036	0.00082	3	1	31.5	0
P12163_1_F7,19105	K.ETPEGHFIM*LDVPGV	2393.299	0.0093	3	1	35.9	0
P12163_1_F7,19106	K.ETPEGHFIM*LDVPGV	2393.299	0.00299	4	1	22.9	0
P12163_1_F7,19139	K.ETPEGHFIM*LDVPGV	2393.299	0.00036	2	1	48.1	0

P12163_1_F7,20284	K.ETPEGHFIM*LDVPGV	2393.299	0.00599	4	1	23.3	0
P12163_1_F7,20299	K.ETPEGHFIM*LDVPGV	2393.299	0.00681	3	1	32.4	0
P12163_1_F7,20513	K.ETPEGHFIM*LDVPGV	2393.299	0.00503	4	1	22.5	0
P12163_1_F8,20072	K.ETPEGHFIM*LDVPGV	2393.299	0.00717	3	1	36	0
P12163_1_F8,21315	K.ETPEGHFIM*LDVPGV	2393.299	0.00924	3	1	31.7	0
P12163_2_F10,1752	K.ETPEGHFIM*LDVPGV	2393.299	0.00948	3	1	22.3	0
P12163_2_F10,1852	K.ETPEGHFIM*LDVPGV	2393.299	0.00403	4	1	23.4	0
P12163_2_S5,16848	K.ETPEGHFIM*LDVPGV	2393.299	-0.00114	3	1	28.9	0
P12163_2_S5,18371	K.ETPEGHFIM*LDVPGV	2393.299	-0.00352	2	1	43.2	0
P12163_2_S5,19490	K.ETPEGHFIM*LDVPGV	2393.299	0.00873	3	1	37	0
P12163_1_F8,21324	K.ETPEGHFIMLDVPGVK	2377.305	0.00362	2	1	73.8	0
P12163_1_S10,1965	K.ETPEGHFIMLDVPGVK	2377.305	0.00143	4	1	24	0
P12163_2_F10,1848	K.ETPEGHFIMLDVPGVK	2377.305	0.00294	3	1	24.9	0
P12163_2_F10,1851	K.ETPEGHFIMLDVPGVK	2377.305	0.00419	4	1	22.2	0
P12163_2_F9,18964	K.ETPEGHFIMLDVPGVK	2377.305	-0.00149	4	1	25.8	0
P12163_2_F9,18977	K.ETPEGHFIMLDVPGVK	2377.305	0.00337	3	1	35.9	0
P12163_2_S5,19476	K.ETPEGHFIMLDVPGVK	2377.305	0.00054	3	1	30.5	0
P12163_2_S5,19675	K.ETPEGHFIMLDVPGVK	2377.305	0.00491	4	1	23.5	0
P12163_1_F3,11391	K.IEVEENR.V	1192.647	-0.00055	2	1	36	0
P12163_1_F4,11796	K.IEVEENR.V	1192.647	0.00309	2	1	34	0
P12163_1_F7,10022	K.IEVEENR.V	1192.647	0.00229	2	1	34.9	0
P12163_2_F4,9597	K.IEVEENR.V	1192.647	0.00253	2	1	34.9	0
P12163_2_F4,10314	K.IEVEENR.V	1192.647	0.00651	2	1	31.4	0
P12163_1_F3,19949	K.LENGVLTLSLK.K	1795.115	0.00406	2	1	26.9	0
P12163_1_F3,19993	K.LENGVLTLSLK.K	1795.115	0.00099	3	1	41.7	0
P12163_1_F3,23208	K.LENGVLTLSLK.K	1795.115	0.00471	3	1	49.2	0
P12163_1_F6,21801	K.LENGVLTLSLK.K	1795.115	0.01044	3	1	42.8	0
P12163_2_F1,23474	K.LENGVLTLSLK.K	1795.115	0.00398	2	1	46.7	0
P12163_2_F1,23500	K.LENGVLTLSLK.K	1795.115	0.00303	3	1	33.9	0
P12163_1_F5,17051	K.LPDNVDLDSVQAK.L	2022.133	0.00245	2	1	28.4	0
P12163_1_F5,17206	K.LPDNVDLDSVQAK.L	2022.133	0.00287	3	1	33.2	0
P12163_1_S1,14659	K.LPDNVDLDSVQAK.L	2022.133	0.00531	4	1	25.9	0
P12163_1_S1,14706	K.LPDNVDLDSVQAK.L	2022.133	0.00704	3	1	42.4	0
P12163_1_S1,16682	K.LPDNVDLDSVQAK.L	2022.133	0.00656	3	1	39.4	0
P12163_1_S1,16698	K.LPDNVDLDSVQAK.L	2022.133	0.01215	2	1	39.7	0
P12163_1_S1,16780	K.LPDNVDLDSVQAK.L	2022.133	0.00191	4	1	36.1	0
P12163_1_S1,16860	K.LPDNVDLDSVQAK.L	2022.133	0.00647	3	1	41.2	0
P12163_1_S1,16879	K.LPDNVDLDSVQAK.L	2022.133	0.01623	2	1	39.5	0
P12163_2_F4,16688	K.LPDNVDLDSVQAK.L	2022.133	0.00548	3	1	32.6	0
P12163_2_F1,13857	K.LSPDQIK.G	1408.862	0.00549	2	1	24.8	0
P12163_1_F9,15353	R.DELKIEVEENR.V	1982.101	0.00053	2	1	37.3	0
P12163_2_F6,15045	R.DELKIEVEENR.V	1982.101	-0.00303	2	1	33.6	0
P12163_2_F7,13892	R.DELKIEVEENR.V	1982.101	0.00399	2	1	35.4	0
P12163_1_S1,10217	R.DETM*ALSPAR.V	1410.72	0.00613	3	1	29.5	0
P12163_1_S1,10196	R.DETMALSPAR.V	1394.725	0.01033	3	1	27.2	0
P12163_1_S1,11290	R.DETMALSPAR.V	1394.725	0.00298	3	1	36.7	0
P12163_1_S1,12722	R.DETMALSPAR.V	1394.725	0.00414	2	1	33.6	0
P12163_1_F2,20523	R.SLLSDLWTER.L	1523.837	0.00206	3	1	32.7	0
P12163_1_F2,22476	R.SLLSDLWTER.L	1523.837	0.00323	3	1	35.7	0
P12163_1_S1,23155	R.VLEQIPFELER.D	1676.952	0.00312	2	1	28.4	0
P12163_1_S1,23162	R.VLEQIPFELER.D	1676.952	0.00305	3	1	36.8	0

P12163_1_S1,23385	R.VLEQIPFELER.D	1676.952	0.00384	2	1	37.7	0
P12163_1_S1,23391	R.VLEQIPFELER.D	1676.952	0.00128	3	1	57.8	0
P12163_1_S1,23604	R.VLEQIPFELER.D	1676.952	0.00371	3	1	44.7	0
P12163_1_S1,23611	R.VLEQIPFELER.D	1676.952	0.00494	2	1	41.5	0
P12163_1_F2,13031	R.VVGIAGGEDETAK.L	1854.043	0.00582	3	1	50.6	0
P12163_1_F2,13129	R.VVGIAGGEDETAK.L	1854.043	0.00652	2	1	31.7	0
P12163_1_F2,14625	R.VVGIAGGEDETAK.L	1854.043	0.0054	2	1	66.3	0
P12163_1_F2,14906	R.VVGIAGGEDETAK.L	1854.043	0.00328	2	1	40.8	0
P12163_1_F3,13525	R.VVGIAGGEDETAK.L	1854.043	0.00747	3	1	48.4	0
P12163_1_F3,13528	R.VVGIAGGEDETAK.L	1854.043	0.0054	2	1	30.3	0
P12163_1_F3,15220	R.VVGIAGGEDETAK.L	1854.043	0.00648	2	1	72.2	0
P12163_1_F5,14264	R.VVGIAGGEDETAK.L	1854.043	0.00332	2	1	49.2	0
P12163_1_F6,14529	R.VVGIAGGEDETAK.L	1854.043	0.00424	2	1	30.2	0
P12163_2_F2,14443	R.VVGIAGGEDETAK.L	1854.043	0.00502	2	1	62.4	0
P12163_2_F4,13941	R.VVGIAGGEDETAK.L	1854.043	0.00496	2	1	39.5	0
P12163_1_F2,7423	K.AALES DTR.V	1166.632	0.00336	3	1	38	0
P12163_1_F2,9543	K.AALES DTR.V	1166.632	0.00349	2	1	24	0
P12163_1_F3,7626	K.AALES DTR.V	1166.632	0.00354	3	1	32.6	0
P12163_1_F3,7911	K.AALES DTR.V	1166.632	0.00201	3	1	27.6	0
P12163_1_F3,7984	K.AALES DTR.V	1166.632	0.00539	2	1	26	0
P12163_1_F7,8453	K.AALES DTR.V	1166.632	0.00161	2	1	29.3	0
P12163_2_F1,9255	K.AALES DTR.V	1166.632	0.00751	2	1	24.5	0
P12163_2_F4,7908	K.AALES DTR.V	1166.632	0.00277	2	1	31.4	0
P12163_1_F4,16270	K.DLDIPTDK.H	1524.873	0.00348	3	1	26.6	0
P12163_1_F8,13674	K.DLDIPTDKH.-	1661.932	0.00134	3	1	32.8	0
P12163_1_F8,13912	K.DLDIPTDKH.-	1661.932	0.00617	3	1	39.2	0
P12163_2_S5,12868	K.DLDIPTDKH.-	1661.932	0.00551	3	1	36.1	0
P12163_1_F2,22546	K.IYPLDAIYDK.L	1819.046	0.00267	3	1	22.3	0
P12163_1_F9,21622	K.IYPLDAIYDK.L	1819.046	0.00651	3	1	26	0
P12163_1_F3,17337	K.LEDVPEDVK.S	1651.936	0.00355	3	1	34.7	0
P12163_1_F4,14608	K.WTVQECAESVK.Q	1945.031	0.00906	3	1	21.9	0
P12163_1_F4,17130	K.WTVQECAESVK.Q	1945.031	0.00501	2	1	42.5	0
P12163_1_F4,17149	K.WTVQECAESVK.Q	1945.031	0.00402	3	1	53.1	0
P12163_2_F1,16199	K.WTVQECAESVK.Q	1945.031	0.00649	2	1	53.5	0
P12163_2_F1,16317	K.WTVQECAESVK.Q	1945.031	0.00546	3	1	50.8	0
P12163_1_F8,22929	R.AFIAGVADDNGYGWA	2447.318	0.01121	3	1	40.3	0
P12163_1_F3,16057	R.IIPGYGGGM*SSAK.A	1862.03	0.00405	3	1	42.8	0
P12163_1_F3,16090	R.IIPGYGGGM*SSAK.A	1862.03	0.00262	2	1	30.8	0
P12163_1_F9,15575	R.IIPGYGGGM*SSAK.A	1862.03	-0.00429	3	1	24.5	0
P12163_1_F3,15877	R.IIPGYGGGMSSAK.A	1846.035	0.0072	3	1	23.3	0
P12163_1_F3,17731	R.IIPGYGGGMSSAK.A	1846.035	0.01017	3	1	27.9	0
P12163_1_F3,17793	R.IIPGYGGGMSSAK.A	1846.035	0.00514	2	1	46.6	0
P12163_1_F4,18167	R.IIPGYGGGMSSAK.A	1846.035	-0.00076	2	1	46.2	0
P12163_1_F4,18172	R.IIPGYGGGMSSAK.A	1846.035	0.00642	3	1	57.9	0
P12163_1_F6,17023	R.IIPGYGGGMSSAK.A	1846.035	0.00102	3	1	29.6	0
P12163_2_F1,17483	R.IIPGYGGGMSSAK.A	1846.035	0.00234	2	1	56	0
P12163_2_F7,15276	R.IIPGYGGGMSSAK.A	1846.035	0.00822	3	1	26.6	0
P12163_2_F9,15857	R.IIPGYGGGMSSAK.A	1846.035	0.00468	3	1	54.6	0
P12163_1_S1,17863	R.VLPDGSLM*EITK.I	1927.103	0.00583	3	1	48.6	0
P12163_1_S1,17906	R.VLPDGSLM*EITK.I	1927.103	0.00637	2	1	33.5	0
P12163_1_S1,20036	R.VLPDGSLM*EITK.I	1927.103	0.01036	3	1	21.9	0

P12163_1_F4,22637	R.VLPDGSLMEITK.I	1911.108	0.00622	3	1	36.4	0
P12163_1_F5,20892	R.VLPDGSLMEITK.I	1911.108	0.00423	2	1	45.6	0
P12163_1_F5,21272	R.VLPDGSLMEITK.I	1911.108	0.00658	3	1	35	0
P12163_1_S1,17046	R.VLPDGSLMEITK.I	1911.108	0.00862	3	1	25.1	0
P12163_1_S1,17106	R.VLPDGSLMEITK.I	1911.108	0.00758	4	1	29.3	0
P12163_1_S1,18651	R.VLPDGSLMEITK.I	1911.108	0.00784	3	1	35.6	0
P12163_1_S1,19942	R.VLPDGSLMEITK.I	1911.108	0.00634	3	1	27.9	0
P12163_1_S1,19991	R.VLPDGSLMEITK.I	1911.108	0.00646	4	1	27.2	0
P12163_1_S1,20015	R.VLPDGSLMEITK.I	1911.108	0.00589	2	1	46.8	0
P12163_1_S1,20196	R.VLPDGSLMEITK.I	1911.108	0.00934	3	1	39.1	0
P12163_1_S10,1943	R.VLPDGSLMEITK.I	1911.108	0.0052	3	1	23.6	0
P12163_2_F1,21650	R.VLPDGSLMEITK.I	1911.108	-0.00467	3	1	34.3	0
P12163_2_F4,19810	R.VLPDGSLMEITK.I	1911.108	0.00661	3	1	42.3	0
P12163_1_F2,14777	R.VNAISAGPLR.S	1301.784	0.00149	3	1	22.6	0
P12163_1_F2,16430	R.VNAISAGPLR.S	1301.784	0.00323	2	1	38.1	0
P12163_1_F3,15259	R.VNAISAGPLR.S	1301.784	0.00008	3	1	52.2	0
P12163_1_F3,16930	R.VNAISAGPLR.S	1301.784	0.00383	2	1	29.2	0
P12163_1_F3,17179	R.VNAISAGPLR.S	1301.784	0.00293	2	1	24.6	0
P12163_1_F6,15739	R.VNAISAGPLR.S	1301.784	0.00103	2	1	28.6	0
P12163_1_F6,16737	R.VNAISAGPLR.S	1301.784	0.00157	2	1	25.9	0
P12163_2_F2,877	R.VNAISAGPLR.S	1301.784	0.00289	2	1	29.1	0
P12163_2_F2,1072	R.VNAISAGPLR.S	1301.784	0.00291	2	1	32.5	0
P12163_2_F2,1265	R.VNAISAGPLR.S	1301.784	0.00323	2	1	27.7	0
P12163_2_F2,1449	R.VNAISAGPLR.S	1301.784	0.00325	2	1	28.9	0
P12163_2_F2,1628	R.VNAISAGPLR.S	1301.784	0.00225	2	1	29.5	0
P12163_2_F2,1817	R.VNAISAGPLR.S	1301.784	0.00351	2	1	30	0
P12163_2_F2,2005	R.VNAISAGPLR.S	1301.784	0.00241	2	1	25.9	0
P12163_2_F2,2192	R.VNAISAGPLR.S	1301.784	0.00195	2	1	31.2	0
P12163_2_F2,2373	R.VNAISAGPLR.S	1301.784	0.00279	2	1	30.4	0
P12163_2_F2,2547	R.VNAISAGPLR.S	1301.784	0.00273	2	1	26.7	0
P12163_1_F2,16012	K.AGSGVATLGLPDSPG\	2231.286	0.00689	3	1	27.5	0
P12163_1_F2,17166	K.AGSGVATLGLPDSPG\	2231.286	0.00647	3	1	50.1	0
P12163_1_F2,17425	K.AGSGVATLGLPDSPG\	2231.286	0.00344	3	1	41.9	0
P12163_1_F2,18756	K.AGSGVATLGLPDSPG\	2231.286	0.0026	3	1	63.9	0
P12163_1_F2,18789	K.AGSGVATLGLPDSPG\	2231.286	0.00678	4	1	29.7	0
P12163_1_F2,18841	K.AGSGVATLGLPDSPG\	2231.286	0.00339	2	1	66.9	0
P12163_1_F3,19416	K.AGSGVATLGLPDSPG\	2231.286	0.00101	3	1	38.1	0
P12163_1_F4,936	K.AGSGVATLGLPDSPG\	2231.286	0.00257	3	1	24.1	0
P12163_1_S1,15965	K.AGSGVATLGLPDSPG\	2231.286	0.00596	3	1	51.1	0
P12163_1_S1,16330	K.AGSGVATLGLPDSPG\	2231.286	0.00755	3	1	44.9	0
P12163_1_S1,17389	K.AGSGVATLGLPDSPG\	2231.286	0.00167	3	1	40.4	0
P12163_1_S1,17421	K.AGSGVATLGLPDSPG\	2231.286	0.00278	4	1	49.9	0
P12163_1_S1,17444	K.AGSGVATLGLPDSPG\	2231.286	0.00331	2	1	81.4	0
P12163_2_F2,19032	K.AGSGVATLGLPDSPG\	2231.286	0.00197	3	1	67.5	0
P12163_2_F6,18486	K.AGSGVATLGLPDSPG\	2231.286	0.00701	3	1	41.2	0
P12163_1_S1,10251	K.ELM*PGGVNSPVR.A	1575.847	0.00773	3	1	23.1	0
P12163_1_S1,12551	K.ELM*PGGVNSPVR.A	1575.847	-0.00103	3	1	38.9	0
P12163_1_S1,12517	K.ELMPGGVNSPVR.A	1559.852	0.00266	3	1	36.1	0
P12163_1_S1,15202	K.ELMPGGVNSPVR.A	1559.852	0.00329	3	1	30.9	0
P12163_1_F4,15859	K.EPGTYEYLNK.I	1821.984	0.00854	3	1	24.6	0
P12163_2_F9,14300	K.EPGTYEYLNK.I	1821.984	0.00509	3	1	25	0

P12163_1_F4,18099	K.FEGCYHGHADPFLVK.	2385.227	0.0073	4	1	22.4	0
P12163_1_F7,16553	K.FEGCYHGHADPFLVK.	2385.227	0.00486	3	1	27.9	0
P12163_2_F4,16061	K.FEGCYHGHADPFLVK.	2385.227	0.00294	3	1	36.6	0
P12163_1_F6,19789	K.IIGGGLPVGAYGGR.R	1590.927	0.00478	2	1	25.2	0
P12163_1_S1,18518	K.IIGGGLPVGAYGGR.R	1590.927	0.00077	3	1	42.6	0
P12163_1_S1,18754	K.IIGGGLPVGAYGGR.R	1590.927	0.009	2	1	33.3	0
P12163_1_F2,17688	K.ITGELTQGIIDAGK.K	2024.185	-0.00022	3	1	44.7	0
P12163_1_F2,17714	K.ITGELTQGIIDAGK.K	2024.185	0.00522	4	1	22.2	0
P12163_1_F2,18292	K.ITGELTQGIIDAGK.K	2024.185	0.00383	3	1	30.4	0
P12163_1_F2,21953	K.ITGELTQGIIDAGK.K	2024.185	0.00104	3	1	30.7	0
P12163_1_F2,22027	K.ITGELTQGIIDAGK.K	2024.185	0.00231	2	1	69.7	0
P12163_1_F2,22196	K.ITGELTQGIIDAGK.K	2024.185	0.00581	3	1	57.4	0
P12163_1_F3,22674	K.ITGELTQGIIDAGK.K	2024.185	-0.00203	2	1	50.5	0
P12163_1_F3,22681	K.ITGELTQGIIDAGK.K	2024.185	0.00488	3	1	46.3	0
P12163_1_F5,21421	K.ITGELTQGIIDAGK.K	2024.185	0.0071	3	1	49.4	0
P12163_1_S1,21175	K.ITGELTQGIIDAGK.K	2024.185	0.01397	3	1	47.4	0
P12163_1_F4,14615	K.NSEEFNVAK.E	1716.938	0.0048	2	1	45.1	0
P12163_1_F4,14630	K.NSEEFNVAK.E	1716.938	0.00488	3	1	41.5	0
P12163_1_F5,13127	K.NSEEFNVAK.E	1716.938	0.00658	2	1	48.8	0
P12163_1_F5,13128	K.NSEEFNVAK.E	1716.938	0.00752	3	1	31.1	0
P12163_1_F5,13603	K.NSEEFNVAK.E	1716.938	0.0061	2	1	24.8	0
P12163_2_F1,13493	K.NSEEFNVAK.E	1716.938	0.00416	3	1	31.6	0
P12163_2_F1,13501	K.NSEEFNVAK.E	1716.938	0.00424	2	1	54.7	0
P12163_1_F2,17417	K.SVGGQPIVFDVSVK.G	1941.127	0.0019	2	1	33	0
P12163_1_F2,17445	K.SVGGQPIVFDVSVK.G	1941.127	0.00809	3	1	35.5	0
P12163_1_F3,16626	K.SVGGQPIVFDVSVK.G	1941.127	0.00518	3	1	36.3	0
P12163_1_F3,16637	K.SVGGQPIVFDVSVK.G	1941.127	0.00825	2	1	42.8	0
P12163_1_F3,16651	K.SVGGQPIVFDVSVK.G	1941.127	0.00657	4	1	38.1	0
P12163_1_F3,18735	K.SVGGQPIVFDVSVK.G	1941.127	0.00539	3	1	57.4	0
P12163_1_F3,18800	K.SVGGQPIVFDVSVK.G	1941.127	0.0055	2	1	74.1	0
P12163_1_F5,18014	K.SVGGQPIVFDVSVK.G	1941.127	0.00246	2	1	39.3	0
P12163_1_F6,17924	K.SVGGQPIVFDVSVK.G	1941.127	0.00116	2	1	26.9	0
P12163_2_F2,18319	K.SVGGQPIVFDVSVK.G	1941.127	0.00213	2	1	25.5	0
P12163_2_F4,17057	K.SVGGQPIVFDVSVK.G	1941.127	0.00389	3	1	41.7	0
P12163_2_S3,15048	K.SVGGQPIVFDVSVK.G	1941.127	0.00416	3	1	42.8	0
P12163_1_S1,13160	R.FVNSGTEACM*GVL.R.	1860.925	0.00735	3	1	43.9	0
P12163_1_S1,15661	R.FVNSGTEACM*GVL.R.	1860.925	0.00411	3	1	73.2	0
P12163_1_S1,13728	R.FVNSGTEACMGVL.R.L	1844.93	0.0006	3	1	41.1	0
P12163_1_S1,15674	R.FVNSGTEACMGVL.R.L	1844.93	0.00639	3	1	61	0
P12163_1_S1,17900	R.FVNSGTEACMGVL.R.L	1844.93	0.0033	3	1	95.7	0
P12163_2_F7,14501	R.LKEPGTYEYLNK.I	2367.369	0.00567	3	1	28.8	0
P12163_1_F3,25252	K.ANVLEASMFWR.K	1627.857	0.00244	2	1	25.8	0
P12163_1_F3,17920	K.AVLDTLDK.G	1482.899	0.0026	3	1	30.2	0
P12163_1_F4,18484	K.AVLDTLDK.G	1482.899	0.0059	2	1	39	0
P12163_1_F4,18485	K.AVLDTLDK.G	1482.899	0.00377	3	1	45.8	0
P12163_1_F6,17563	K.AVLDTLDK.G	1482.899	0.00706	2	1	24.9	0
P12163_1_F7,16191	K.AVLDTLDK.G	1482.899	-0.00088	3	1	35.2	0
P12163_1_F7,16211	K.AVLDTLDK.G	1482.899	0.00202	2	1	36.2	0
P12163_2_F4,15827	K.AVLDTLDK.G	1482.899	0.00168	2	1	25.4	0
P12163_2_S3,14694	K.AVLDTLDK.G	1482.899	0.00443	3	1	30.8	0
P12163_1_F6,16333	K.HLKPETGLLQIR.E	2013.243	0.00244	4	1	26.8	0

P12163_1_F7,15470	K.HLKPETGLLQIR.E	2013.243	0.00424	4	1	26.2	0
P12163_1_F8,16208	K.HLKPETGLLQIR.E	2013.243	0.00148	4	1	24.3	0
P12163_2_F8_12070	K.HLKPETGLLQIR.E	2013.243	0.00448	4	1	23.6	0
P12163_2_F9,14869	K.HLKPETGLLQIR.E	2013.243	0.00732	4	1	24.9	0
P12163_2_F2,12907	K.LCSVDK.A	1329.766	0.00943	3	1	23.8	0
P12163_1_F3,16649	K.LVGCQEM*GEEVLK.S	2116.124	0.00573	3	1	50.6	0
P12163_1_F3,16658	K.LVGCQEM*GEEVLK.S	2116.124	0.00162	2	1	49.3	0
P12163_1_F3,19103	K.LVGCQEM*GEEVLK.S	2116.124	0.01701	3	1	33.2	0
P12163_1_F3,19060	K.LVGCQEMGEEVLK.S	2100.129	0.00417	3	1	40.2	0
P12163_1_F6,18254	K.LVGCQEMGEEVLK.S	2100.129	0.00222	3	1	29.5	0
P12163_2_F4,17349	K.LVGCQEMGEEVLK.S	2100.129	0.00774	3	1	43	0
P12163_1_F3,21732	K.QSDAVLLGAIGGYK.W	2000.164	0.00499	3	1	46.4	0
P12163_1_F3,21753	K.QSDAVLLGAIGGYK.W	2000.164	0.00465	2	1	65.9	0
P12163_1_F4,22469	K.QSDAVLLGAIGGYK.W	2000.164	0.00637	3	1	31	0
P12163_1_F4,22513	K.QSDAVLLGAIGGYK.W	2000.164	0.00507	2	1	74.5	0
P12163_1_F6,20732	K.QSDAVLLGAIGGYK.W	2000.164	0.00262	3	1	26.1	0
P12163_1_F6,21028	K.QSDAVLLGAIGGYK.W	2000.164	0.00358	3	1	34.3	0
P12163_1_F9,20567	K.QSDAVLLGAIGGYK.W	2000.164	0.00445	3	1	26.5	0
P12163_2_F1,21966	K.QSDAVLLGAIGGYK.W	2000.164	0.00568	3	1	22.1	0
P12163_2_F4,19725	K.QSDAVLLGAIGGYK.W	2000.164	0.00811	3	1	42.1	0
P12163_2_F6,20837	K.QSDAVLLGAIGGYK.W	2000.164	0.00569	2	1	31.9	0
P12163_2_F6,20866	K.QSDAVLLGAIGGYK.W	2000.164	-0.00308	3	1	34.5	0
P12163_2_F7,18788	K.QSDAVLLGAIGGYK.W	2000.164	0.00409	2	1	54.7	0
P12163_2_F7,18799	K.QSDAVLLGAIGGYK.W	2000.164	0.00454	3	1	48.7	0
P12163_2_F9,19356	K.QSDAVLLGAIGGYK.W	2000.164	0.00274	3	1	29.7	0
P12163_1_F6,11348	K.YGLGEEHAAK.R	1682.932	0.00695	3	1	23.7	0
P12163_1_F6,11358	K.YGLGEEHAAK.R	1682.932	0.00696	2	1	41.9	0
P12163_1_F7,10703	K.YGLGEEHAAK.R	1682.932	0.00842	3	1	22.8	0
P12163_1_F8,11228	K.YGLGEEHAAK.R	1682.932	0.00803	3	1	24.2	0
P12163_2_F6,10964	K.YGLGEEHAAK.R	1682.932	0.00539	3	1	27.7	0
P12163_2_F6,10972	K.YGLGEEHAAK.R	1682.932	0.00602	2	1	35.6	0
P12163_2_F7,10428	K.YGLGEEHAAK.R	1682.932	0.00899	3	1	29.2	0
P12163_2_F9,10871	K.YGLGEEHAAK.R	1682.932	0.00323	3	1	29.8	0
P12163_2_F6,17246	R.ELTGGIYFGKPR.G	1946.132	0.0046	2	1	24.7	0
P12163_2_F6,17249	R.ELTGGIYFGKPR.G	1946.132	0.00156	3	1	46.7	0
P12163_2_F7,15359	R.ELTGGIYFGKPR.G	1946.132	0.00556	2	1	31	0
P12163_1_F4,10680	R.TGDIYSAGTK.L	1620.905	0.00646	2	1	34.9	0
P12163_1_F4,11219	R.TGDIYSAGTK.L	1620.905	0.00492	2	1	33.4	0
P12163_1_F4,11228	R.TGDIYSAGTK.L	1620.905	0.00543	3	1	36.5	0
P12163_1_F4,13011	R.TGDIYSAGTK.L	1620.905	0.00668	2	1	41.1	0
P12163_1_F4,13025	R.TGDIYSAGTK.L	1620.905	0.00624	3	1	38.7	0
P12163_1_F9,12401	R.TGDIYSAGTK.L	1620.905	0.00796	2	1	48.2	0
P12163_2_F1,9830	R.TGDIYSAGTK.L	1620.905	0.00626	2	1	29.1	0
P12163_2_F1,12042	R.TGDIYSAGTK.L	1620.905	0.00576	3	1	40	0
P12163_2_F9,9869	R.TGDIYSAGTK.L	1620.905	0.00339	3	1	22.6	0
P12163_1_F3,10504	R.VAFETAR.K	1097.626	0.00266	3	1	27.3	0
P12163_1_F3,10748	R.VAFETAR.K	1097.626	0.00386	3	1	30.3	0
P12163_1_F4,4468	K.ASSASPNR.L	1093.59	0.00277	3	1	39.3	0
P12163_1_F4,18218	K.ENGPFIIGGK.V	1639.963	0.00511	2	1	40.6	0
P12163_1_F4,18334	K.ENGPFIIGGK.V	1639.963	0.01384	3	1	28.7	0
P12163_2_F1,17501	K.ENGPFIIGGK.V	1639.963	0.00551	2	1	45.8	0

P12163_2_F1,17502	K.ENGPFIIGGK.V	1639.963	0.00466	3	1	35	0
P12163_1_F6,14067	K.HLPYDM*K.L	1527.845	0.00626	3	1	24.2	0
P12163_2_F7,12510	K.HLPYDM*K.L	1527.845	0.00551	3	1	27.3	0
P12163_2_F7,12497	K.HLPYDMK.L	1511.85	0.00438	3	1	29.1	0
P12163_2_F8_12070	K.LVDLGKPEWFLK.I	2471.479	-0.00063	4	1	24.3	0
P12163_1_F8,18315	K.NWSVPDSLPHVK.S	1987.122	0.00447	3	1	29.8	0
P12163_1_F8,18362	K.NWSVPDSLPHVK.S	1987.122	0.00001	2	1	50.3	0
P12163_2_F6,17867	K.NWSVPDSLPHVK.S	1987.122	-0.00005	2	1	41.8	0
P12163_1_F3,20963	K.TIFSM*DSFIK.T	1813.003	0.0052	2	1	37	0
P12163_1_F4,21529	K.TIFSM*DSFIK.T	1813.003	-0.00028	2	1	35	0
P12163_1_F4,25277	K.TIFSM*DSFIK.T	1813.003	0.00706	3	1	35.8	0
P12163_1_F4,25366	K.TIFSM*DSFIK.T	1813.003	0.00504	2	1	41	0
P12163_2_F1,21082	K.TIFSM*DSFIK.T	1813.003	0.01278	2	1	24.4	0
P12163_2_F1,21086	K.TIFSM*DSFIK.T	1813.003	0.00328	3	1	35.5	0
P12163_2_F1,24571	K.TIFSM*DSFIK.T	1813.003	0.01024	3	1	31.8	0
P12163_1_F3,24497	K.TIFSMDSFIK.T	1797.008	0.0047	2	1	35.1	0
P12163_1_F3,24505	K.TIFSMDSFIK.T	1797.008	0.00346	3	1	48.5	0
P12163_1_F4,25279	K.TIFSMDSFIK.T	1797.008	0.00349	3	1	38.6	0
P12163_1_F4,25299	K.TIFSMDSFIK.T	1797.008	0.00094	2	1	35.8	0
P12163_1_F6,23001	K.TIFSMDSFIK.T	1797.008	0.00298	3	1	29.4	0
P12163_2_F1,24581	K.TIFSMDSFIK.T	1797.008	0.00568	3	1	52.4	0
P12163_2_F1,24587	K.TIFSMDSFIK.T	1797.008	0.0055	2	1	38.9	0
P12163_1_F3,15542	K.VSAADLSLGPK.F	1666	0.00434	2	1	51.5	0
P12163_1_F3,17916	K.VSAADLSLGPK.F	1666	0.00512	3	1	46.6	0
P12163_1_F5,17212	K.VSAADLSLGPK.F	1666	0.00787	2	1	43.5	0
P12163_1_F6,17053	K.VSAADLSLGPK.F	1666	0.00311	3	1	37.4	0
P12163_1_F6,17586	K.VSAADLSLGPK.F	1666	-0.00136	3	1	24.9	0
P12163_2_F1,17785	K.VSAADLSLGPK.F	1666	0.0069	2	1	58.4	0
P12163_2_F4,15912	K.VSAADLSLGPK.F	1666	0.0026	3	1	29	0
P12163_2_F9,15851	K.VSAADLSLGPK.F	1666	-0.00268	3	1	30.5	0
P12163_2_S5,15938	K.VSAADLSLGPK.F	1666	0.00011	3	1	31.3	0
P12163_1_S1,22558	K.WLPDSDVITQSLEEK.V	2368.286	0.0091	3	1	41	0
P12163_1_F9,19815	R.ALPDVIVGWRPK.V	2074.227	0.00796	3	1	24.5	0
P12163_2_F6,19919	R.ALPDVIVGWRPK.V	2074.227	0.01333	3	1	37	0
P12163_2_F6,19961	R.ALPDVIVGWRPK.V	2074.227	0.00397	2	1	57.5	0
P12163_2_F6,19967	R.ALPDVIVGWRPK.V	2074.227	0.00156	4	1	42.4	0
P12163_1_F4,22013	R.VLLTIEEK.H	1552.977	0.00086	3	1	30.1	0
P12163_1_F4,22161	R.VLLTIEEK.H	1552.977	0.00737	2	1	27.6	0
P12163_1_F4,22243	R.VLLTIEEK.H	1552.977	0.0038	3	1	38.2	0
P12163_1_F4,22423	R.VLLTIEEK.H	1552.977	0.00595	2	1	28.5	0
P12163_1_F5,21065	R.VLLTIEEK.H	1552.977	0.00809	2	1	38.7	0
P12163_1_F7,19756	R.VLLTIEEK.H	1552.977	-0.00082	3	1	27.8	0
P12163_2_F1,21783	R.VLLTIEEK.H	1552.977	0.00551	2	1	35.9	0
P12163_2_F1,21821	R.VLLTIEEK.H	1552.977	0.00356	3	1	40.2	0
P12163_1_F4,17038	K.AAAENTMLSYK.A	1806.988	0.00634	2	1	30.1	0
P12163_1_F4,17077	K.AAAENTMLSYK.A	1806.988	0.01514	3	1	26.3	0
P12163_2_F1,16146	K.AAAENTMLSYK.A	1806.988	-0.00006	2	1	35.5	0
P12163_2_F1,16162	K.AAAENTMLSYK.A	1806.988	0.00818	3	1	24	0
P12163_1_F6,19168	K.AAQDIALTDLAPTHPII	2107.181	-0.00222	3	1	72.3	0
P12163_1_F7,16325	K.AAQDIALTDLAPTHPII	2107.181	0.00281	4	1	24.6	0
P12163_1_F7,18287	K.AAQDIALTDLAPTHPII	2107.181	0.00249	3	1	80.9	0

P12163_1_F7,18297	K.AAQDIALTDLAPTHPII	2107.181	-0.00317	2	1	74.4	0
P12163_1_F7,20425	K.AAQDIALTDLAPTHPII	2107.181	0.00117	3	1	44	0
P12163_2_S5,17349	K.AAQDIALTDLAPTHPII	2107.181	0.00645	3	1	81.1	0
P12163_2_S5,17393	K.AAQDIALTDLAPTHPII	2107.181	0.00176	4	1	34.4	0
P12163_1_S1,19084	K.DSTLIMQLLR.D	1493.866	-0.00037	3	1	24	0
P12163_2_F1,9483	K.LAEQAER.Y ! R.LAEQ	1120.626	0.00298	2	1	24.7	0
P12163_1_F7,17394	K.LLDSHLVPSATAGESK	2233.265	0.00513	3	1	40.8	0
P12163_1_F8,18174	K.LLDSHLVPSATAGESK	2233.265	0.0069	3	1	40.7	0
P12163_1_F8,18231	K.LLDSHLVPSATAGESK	2233.265	-0.00124	2	1	40	0
P12163_2_F10,1603	K.LLDSHLVPSATAGESK	2233.265	0.00429	3	1	44.7	0
P12163_2_F6,17767	K.LLDSHLVPSATAGESK	2233.265	0.00486	3	1	44.9	0
P12163_2_S5,16615	K.LLDSHLVPSATAGESK	2233.265	-0.00122	3	1	39.5	0
P12163_2_S5,16687	K.LLDSHLVPSATAGESK	2233.265	0.00265	4	1	26.1	0
P12163_1_F3,22304	K.VESELSDVCGSILK.L	2144.173	0.00785	3	1	50.7	0
P12163_1_F4,17544	R.EQYVYLAK.L	1621.941	0.00753	3	1	27.6	0
P12163_1_F4,17567	R.EQYVYLAK.L	1621.941	0.00467	2	1	49.3	0
P12163_1_F9,16551	R.EQYVYLAK.L	1621.941	0.00621	2	1	35.7	0
P12163_2_F1,16678	R.EQYVYLAK.L	1621.941	0.00493	2	1	39.9	0
P12163_2_F1,16689	R.EQYVYLAK.L	1621.941	0.00648	3	1	29.7	0
P12163_1_F4,20959	R.IISSIEQK.E ! R.ILSSIEQ	1525.941	0.01597	2	1	28	0
P12163_1_F5,18516	R.IISSIEQK.E ! R.ILSSIEQ	1525.941	0.00793	2	1	32.8	0
P12163_1_F5,19572	R.IISSIEQK.E ! R.ILSSIEQ	1525.941	0.00666	3	1	29.6	0
P12163_1_F5,19600	R.IISSIEQK.E ! R.ILSSIEQ	1525.941	0.00717	2	1	38.4	0
P12163_2_F1,20030	R.IISSIEQK.E ! R.ILSSIEQ	1525.941	0.00227	2	1	27.6	0
P12163_2_F1,20062	R.IISSIEQK.E ! R.ILSSIEQ	1525.941	0.00678	3	1	21.9	0
P12163_1_F4,19313	R.NLLSVAYK.N	1515.935	0.00473	2	1	24.7	0
P12163_1_F5,18080	R.NLLSVAYK.N	1515.935	0.00697	2	1	39.6	0
P12163_1_F5,18081	R.NLLSVAYK.N	1515.935	0.00381	3	1	34.8	0
P12163_1_F6,18423	R.NLLSVAYK.N	1515.935	0.01068	3	1	31.8	0
P12163_1_F9,17887	R.NLLSVAYK.N	1515.935	0.006	3	1	24.6	0
P12163_2_F1,18587	R.NLLSVAYK.N	1515.935	0.00633	2	1	42.2	0
P12163_2_F1,18588	R.NLLSVAYK.N	1515.935	0.00501	3	1	35.5	0
P12163_2_F2,18787	R.NLLSVAYK.N	1515.935	0.00681	3	1	28.1	0
P12163_2_F2,18808	R.NLLSVAYK.N	1515.935	0.00629	2	1	32.4	0
P12163_2_F8_12070	R.NLLSVAYK.N	1515.935	0.00594	3	1	30.9	0
P12163_2_S5,16404	R.NLLSVAYK.N	1515.935	0.00054	3	1	31.7	0
P12163_1_S10,18390	R.YLAEFK.V ! R.YLAEFK	1378.819	0.0079	3	1	24	0
P12163_2_F8_12070	R.YLAEFK.V ! R.YLAEFK	1378.819	0.00689	3	1	22.1	0
P12163_2_F8_12070	R.YLAEFK.V ! R.YLAEFK	1378.819	0.0056	3	1	22.9	0
P12163_1_S1,11497	K.AGAGSATLSM*AYAA	1788.922	0.00519	3	1	42.3	0
P12163_1_S1,14745	K.AGAGSATLSM*AYAA	1788.922	-0.00144	3	1	69	0
P12163_1_S1,13332	K.AGAGSATLSMAYAAA	1772.927	-0.00407	3	1	44.7	0
P12163_1_S1,16975	K.AGAGSATLSMAYAAA	1772.927	0.00418	3	1	54.9	0
P12163_1_S1,16988	K.AGAGSATLSMAYAAA	1772.927	0.00196	2	1	53.5	0
P12163_2_F7,16560	K.ALEALKPELK.A	2024.288	0.00387	2	1	27.4	0
P12163_2_F7,16844	K.ALEALKPELK.A	2024.288	0.00996	4	1	22.3	0
P12163_1_F5,12380	K.GVAFAQK.Q	1328.815	0.0088	3	1	39.5	0
P12163_1_F6,13376	K.GVAFAQK.Q	1328.815	0.00603	2	1	31.3	0
P12163_1_F8,12647	K.GVAFAQK.Q	1328.815	-0.00001	2	1	30.1	0
P12163_2_F2,13166	K.GVAFAQK.Q	1328.815	0.00559	2	1	26.1	0
P12163_2_F2,11204	K.GVYDPK.K	1286.756	0.01155	3	1	26.5	0

P12163_2_F8_12070	K.GVYDPK.K	1286.756	0.00501	3	1	37.8	0
P12163_1_F4,25772	K.LFGVTTLDVVR.A	1523.91	0.00205	2	1	30.9	0
P12163_1_S1,19465	K.LFGVTTLDVVR.A	1523.91	0.00221	3	1	24.3	0
P12163_1_S1,20850	K.LFGVTTLDVVR.A	1523.91	0.00089	3	1	30.9	0
P12163_1_S1,22819	K.LFGVTTLDVVR.A	1523.91	0.00372	2	1	38.5	0
P12163_1_S1,22985	K.LFGVTTLDVVR.A	1523.91	0.00215	3	1	74.4	0
P12163_1_S1,23027	K.LFGVTTLDVVR.A	1523.91	0.00418	2	1	36.6	0
P12163_1_F7,23303	K.M*SPLVSALHLYDVM	2557.398	-0.00042	4	1	22.8	0
P12163_1_F5,12326	R.ANTFVAQK.K	1486.884	0.01143	2	1	32.6	0
P12163_1_F6,13342	R.ANTFVAQK.K	1486.884	0.00875	3	1	28.7	0
P12163_2_F2,13154	R.ANTFVAQK.K	1486.884	0.00989	2	1	30.7	0
P12163_2_F2,13582	R.ANTFVAQK.K	1486.884	0.01001	2	1	32.7	0
P12163_2_F2,14776	R.ANTFVAQK.K	1486.884	0.01387	2	1	37.3	0
P12163_1_F3,22222	R.DDLFNINANIVK.T	1984.132	0.00494	2	1	78.5	0
P12163_1_F3,22230	R.DDLFNINANIVK.T	1984.132	0.0094	3	1	62.8	0
P12163_1_F4,22927	R.DDLFNINANIVK.T	1984.132	0.0036	2	1	28.9	0
P12163_1_F6,20924	R.DDLFNINANIVK.T	1984.132	0.00244	3	1	40.3	0
P12163_1_F3,11769	R.FVESSLR.A	1141.652	0.0033	3	1	25.8	0
P12163_1_F3,13164	R.FVESSLR.A	1141.652	0.00231	3	1	32.4	0
P12163_1_F3,12289	R.IQNAGTEVVEAK.A	1867.074	0.00564	3	1	29.3	0
P12163_1_F3,15353	R.IQNAGTEVVEAK.A	1867.074	0.00592	2	1	44.1	0
P12163_1_F3,15373	R.IQNAGTEVVEAK.A	1867.074	0.00627	3	1	56.1	0
P12163_1_F4,12837	R.IQNAGTEVVEAK.A	1867.074	0.00476	2	1	29.2	0
P12163_1_F4,12841	R.IQNAGTEVVEAK.A	1867.074	0.00825	3	1	30.8	0
P12163_1_F4,15932	R.IQNAGTEVVEAK.A	1867.074	0.00638	2	1	49.1	0
P12163_1_F4,15934	R.IQNAGTEVVEAK.A	1867.074	0.00129	3	1	61.9	0
P12163_1_F4,16159	R.IQNAGTEVVEAK.A	1867.074	0.01125	3	1	45.7	0
P12163_2_F1,15105	R.IQNAGTEVVEAK.A	1867.074	0.00312	2	1	45.1	0
P12163_2_F1,15124	R.IQNAGTEVVEAK.A	1867.074	0.00807	3	1	70.8	0
P12163_2_F4,14165	R.IQNAGTEVVEAK.A	1867.074	0.0024	3	1	25	0
P12163_1_S1,20510	K.ALFDIPVAR.T	1305.783	0.00364	2	1	33.4	0
P12163_1_S1,20553	K.ALFDIPVAR.T	1305.783	0.00288	3	1	54.8	0
P12163_1_F4,7905	K.ESTQVEASK.K	1586.885	0.00557	2	1	29	0
P12163_1_F4,7907	K.ESTQVEASK.K	1586.885	0.00702	3	1	30.9	0
P12163_1_F4,9565	K.ESTQVEASK.K	1586.885	0.00315	2	1	39	0
P12163_1_F4,9639	K.ESTQVEASK.K	1586.885	0.00531	3	1	23.6	0
P12163_1_F5,8225	K.ESTQVEASK.K	1586.885	0.00605	2	1	34.7	0
P12163_2_F1,8732	K.ESTQVEASK.K	1586.885	0.00787	2	1	37.5	0
P12163_1_F4,19022	K.FM*GNPSIEAAIK.L	1902.061	-0.0001	2	1	42.9	0
P12163_1_F4,19049	K.FM*GNPSIEAAIK.L	1902.061	0.00507	3	1	50.1	0
P12163_1_F4,21399	K.FM*GNPSIEAAIK.L	1902.061	0.00792	2	1	33.7	0
P12163_1_F4,23040	K.FM*GNPSIEAAIK.L	1902.061	0.00267	3	1	53	0
P12163_2_F1,18321	K.FM*GNPSIEAAIK.L	1902.061	0.00561	3	1	39	0
P12163_2_F1,18339	K.FM*GNPSIEAAIK.L	1902.061	0.00296	2	1	34.4	0
P12163_2_F2,30	K.FM*GNPSIEAAIK.L	1902.061	0.00573	3	1	24.5	0
P12163_1_F4,21387	K.FMGNPSIEAAIK.L	1886.067	0.0049	2	1	57.6	0
P12163_1_F4,21480	K.FMGNPSIEAAIK.L	1886.067	-0.00375	3	1	50.2	0
P12163_1_F4,23052	K.FMGNPSIEAAIK.L	1886.067	0.0029	2	1	37.8	0
P12163_1_F4,23059	K.FMGNPSIEAAIK.L	1886.067	0.00672	3	1	35.7	0
P12163_2_F1,20973	K.FMGNPSIEAAIK.L	1886.067	0.00792	2	1	65.8	0
P12163_1_F4,11274	K.QACVVQPK.A	1537.898	0.00981	2	1	28.5	0

P12163_1_F5,9878	K.QACVVQPK.A	1537.898	0.00655	2	1	31.1	0
P12163_2_F1,10467	K.QACVVQPK.A	1537.898	0.00629	2	1	30.9	0
P12163_2_F2,10758	K.QACVVQPK.A	1537.898	0.01051	2	1	30.3	0
P12163_1_F3,23047	R.DVVVWFM*EEK.T	1906.024	0.00723	3	1	28.7	0
P12163_1_F3,25983	R.DVVVWFM*EEK.T	1906.024	0.00546	3	1	37.5	0
P12163_1_F4,26911	R.DVVVWFM*EEK.T	1906.024	0.00624	3	1	34.1	0
P12163_1_F3,25951	R.DVVVWFMEEK.T	1890.029	0.00657	3	1	31.4	0
P12163_1_F3,25969	R.DVVVWFMEEK.T	1890.029	0.00287	2	1	40.6	0
P12163_1_F3,26183	R.DVVVWFMEEK.T	1890.029	0.0099	3	1	26.8	0
P12163_1_F2,9636	R.ESTDNPIM*R.L	1382.689	0.00314	3	1	33.2	0
P12163_1_F2,9645	R.ESTDNPIMR.L	1366.694	0.00542	3	1	25.8	0
P12163_1_F2,22746	R.FGDGGIFIGNLR.K	1569.869	-0.00414	2	1	28.4	0
P12163_1_F2,22760	R.FGDGGIFIGNLR.K	1569.869	0.00271	3	1	40	0
P12163_1_S1,21944	R.FGDGGIFIGNLR.K	1569.869	0.00253	3	1	23.3	0
P12163_1_F4,11849	R.GGEEIPAK.D	1408.826	0.00544	2	1	39.3	0
P12163_1_F7,15314	R.GGEEIPAKDEITPLGDN	2519.356	0.00308	3	1	39.3	0
P12163_1_F8,16017	R.GGEEIPAKDEITPLGDN	2519.356	0.00389	4	1	33	0
P12163_2_S5,14749	R.GGEEIPAKDEITPLGDN	2519.356	0.00734	3	1	27.7	0
P12163_2_F9,18131	R.RFGDGGIFIGNLR.K	1725.97	0.00266	3	1	28	0
P12163_1_F3,19633	K.AFGAELVLTDSAK.G	1930.111	0.00231	3	1	34.9	0
P12163_1_F3,19674	K.AFGAELVLTDSAK.G	1930.111	0.00589	2	1	54.2	0
P12163_1_F3,21518	K.AFGAELVLTDSAK.G	1930.111	0.00555	3	1	65.6	0
P12163_1_F3,21534	K.AFGAELVLTDSAK.G	1930.111	0.00373	2	1	71.7	0
P12163_1_F4,22430	K.AFGAELVLTDSAK.G	1930.111	0.00243	3	1	44.6	0
P12163_1_F6,20591	K.AFGAELVLTDSAK.G	1930.111	0.00138	3	1	35.4	0
P12163_1_F5,12334	K.GCVANIAAK.L	1511.882	0.00702	2	1	41.8	0
P12163_1_F5,12383	K.GCVANIAAK.L	1511.882	0.01157	3	1	37.9	0
P12163_1_F8,12540	K.GCVANIAAK.L	1511.882	-0.00066	2	1	26.1	0
P12163_2_F1,12834	K.GCVANIAAK.L	1511.882	0.01488	2	1	46.4	0
P12163_2_F2,13218	K.GCVANIAAK.L	1511.882	0.00995	3	1	30.6	0
P12163_1_F4,14398	K.GLITPGK.S ! K.GLITPC	1293.835	0.0147	2	1	23.9	0
P12163_1_F7,16960	K.IHYETTGPEIWEDTR.G	2151.066	0.00211	3	1	59.7	0
P12163_1_F8,16125	K.IHYETTGPEIWEDTR.G	2151.066	0.00199	3	1	45	0
P12163_1_F8,16126	K.IHYETTGPEIWEDTR.G	2151.066	0.00103	4	1	24.8	0
P12163_1_F8,17686	K.IHYETTGPEIWEDTR.G	2151.066	0.00376	3	1	93.6	0
P12163_1_F8,17698	K.IHYETTGPEIWEDTR.G	2151.066	0.00316	2	1	29.6	0
P12163_2_F6,15571	K.IHYETTGPEIWEDTR.G	2151.066	0.00397	3	1	29.8	0
P12163_2_F6,17193	K.IHYETTGPEIWEDTR.G	2151.066	0.00457	3	1	88.6	0
P12163_2_F6,17201	K.IHYETTGPEIWEDTR.G	2151.066	0.00138	2	1	57.3	0
P12163_2_F9,16588	K.IHYETTGPEIWEDTR.G	2151.066	0.00364	3	1	51.9	0
P12163_2_S5,16814	K.IHYETTGPEIWEDTR.G	2151.066	0.00355	3	1	84.3	0
P12163_1_F2,20181	K.IQGIGAGFVPR.N	1418.842	0.00065	2	1	36.6	0
P12163_1_F2,20222	K.IQGIGAGFVPR.N	1418.842	0.00228	3	1	52.5	0
P12163_1_F4,21376	K.IQGIGAGFVPR.N	1418.842	0.00345	2	1	31.5	0
P12163_1_F3,16520	K.LEIM*EPCCSVK.D	1990.027	0.00481	2	1	25.1	0
P12163_2_F1,19827	K.LEIMEPCCSVK.D	1974.032	0.00567	3	1	31.9	0
P12163_2_F1,19843	K.LEIMEPCCSVK.D	1974.032	0.00401	2	1	30.5	0
P12163_1_S1,26238	K.LIAVVFPSFGER.Y	1638.952	0.00135	3	1	30.3	0
P12163_1_F3,20204	K.TPM*VYLNTIVK.G	1903.118	0.00165	3	1	26.8	0
P12163_1_F3,19238	K.TPMVYLNTIVK.G	1887.123	0.00531	2	1	27	0
P12163_1_F3,23154	K.TPMVYLNTIVK.G	1887.123	0.00252	3	1	31.5	0

P12163_1_F3,23167	K.TPMVYLNTIVK.G	1887.123	0.00551	2	1	51.9	0
P12163_1_F3,23176	K.TPMVYLNTIVK.G	1887.123	0.00498	3	1	34.9	0
P12163_1_F3,18583	R.IGFSM*IADAEQK.G	1934.051	0.00029	3	1	58.4	0
P12163_1_F3,21886	R.IGFSMIADAEQK.G	1918.056	0.00446	2	1	32.1	0
P12163_1_F3,21987	R.IGFSMIADAEQK.G	1918.056	0.00639	3	1	72.8	0
P12163_1_F4,22695	R.IGFSMIADAEQK.G	1918.056	0.00585	3	1	60.3	0
P12163_1_F6,20798	R.IGFSMIADAEQK.G	1918.056	0.00417	3	1	42.8	0
P12163_2_F7,17772	R.YLSSVLFQSIR.E	1616.931	0.00164	3	1	52.1	0
P12163_1_F3,17947	K.ANVVVASVEDK.L	1739.016	0.00661	3	1	36.4	0
P12163_1_F3,17981	K.ANVVVASVEDK.L	1739.016	0.00525	2	1	47.2	0
P12163_1_F4,18493	K.ANVVVASVEDK.L	1739.016	0.00337	2	1	43.4	0
P12163_1_F4,18507	K.ANVVVASVEDK.L	1739.016	0.00751	3	1	55.4	0
P12163_2_F1,17744	K.ANVVVASVEDK.L	1739.016	0.00403	2	1	37.3	0
P12163_2_F1,17765	K.ANVVVASVEDK.L	1739.016	0.00958	3	1	49.2	0
P12163_2_F1,15626	K.ATAFPAMCNK.L	1718.918	0.0102	2	1	35.5	0
P12163_1_F4,21258	K.ESEVLESIVK.K	1741.02	0.00679	2	1	61.7	0
P12163_1_F4,21294	K.ESEVLESIVK.K	1741.02	0.00493	3	1	35.9	0
P12163_1_F5,20123	K.ESEVLESIVK.K	1741.02	0.00599	2	1	32.6	0
P12163_2_F1,20745	K.ESEVLESIVK.K	1741.02	0.00395	2	1	48.9	0
P12163_2_F1,20767	K.ESEVLESIVK.K	1741.02	0.00463	3	1	44.6	0
P12163_2_F8_12070	K.ESNRPYGAICASPALV	3200.771	0.0043	5	1	32.1	0
P12163_2_F8_12070	K.ESNRPYGAICASPALV	3200.771	0.00702	4	1	45.4	0
P12163_2_F8_12070	K.ESNRPYGAICASPALV	3200.771	0.00326	3	1	31.6	0
P12163_2_F9,18701	K.ESNRPYGAICASPALV	3200.771	0.00582	4	1	33.5	0
P12163_1_F3,11905	K.LSDQSEIENR.V	1494.77	0.00121	2	1	41	0
P12163_1_S1,9365	K.LSDQSEIENR.V	1494.77	-0.00331	2	1	26.2	0
P12163_1_S1,10053	K.LSDQSEIENR.V	1494.77	0.00322	3	1	35.4	0
P12163_1_S1,11616	K.LSDQSEIENR.V	1494.77	0.00373	2	1	33.9	0
P12163_1_S1,11745	K.LSDQSEIENR.V	1494.77	0.0034	3	1	37.5	0
P12163_1_S1,11870	K.LSDQSEIENR.V	1494.77	0.00347	2	1	49.5	0
P12163_1_F3,25029	K.LVADM*LIDEAAK.L	1913.087	0.004	3	1	32.4	0
P12163_1_F3,25028	K.LVADMLIDEAAK.L	1897.092	0.00446	2	1	25.6	0
P12163_1_S1,13289	R.ADEVSGPLVM*R.A ! K	1493.794	0.00616	3	1	34.7	0
P12163_1_S1,15847	R.ADEVSGPLVMR.A ! K.	1477.799	0.00112	3	1	42.7	0
P12163_1_F3,10805	R.SGADVTVASVEK.Q	1771.006	0.00319	2	1	28.1	0
P12163_1_F3,12179	R.SGADVTVASVEK.Q	1771.006	0.00063	2	1	45.5	0
P12163_1_F3,13819	R.SGADVTVASVEK.Q	1771.006	0.00503	2	1	60.4	0
P12163_1_F4,14300	R.SGADVTVASVEK.Q	1771.006	0.00445	2	1	40.9	0
P12163_2_S3,11444	R.SGADVTVASVEK.Q	1771.006	0.00271	3	1	34.5	0
P12163_1_F9,9070	R.VDACHGVK.I	1493.835	0.00278	2	1	26.7	0
P12163_1_F9,9111	R.VDACHGVK.I	1493.835	0.00509	3	1	29.9	0
P12163_1_S1,14763	R.VVVDGNLITSR.G	1476.869	0.00403	3	1	40.8	0
P12163_1_S1,15254	R.VVVDGNLITSR.G	1476.869	0.00115	3	1	26.1	0
P12163_1_F3,17161	K.ALVDPDGALK.D	1606.962	0.00786	2	1	37.7	0
P12163_1_F3,17180	K.ALVDPDGALK.D	1606.962	0.00285	3	1	50.4	0
P12163_1_F2,18066	K.GGEIGELDFR.F	1396.737	0.00318	2	1	30.7	0
P12163_1_F8,16158	K.GLFPPEPEHYR.G	1645.864	0.00349	3	1	22.5	0
P12163_1_F8,16425	K.GLFPPEPEHYR.G	1645.864	0.00325	3	1	21.9	0
P12163_2_F6,15365	K.GLFPPEPEHYR.G	1645.864	0.0028	3	1	31.5	0
P12163_2_F6,15457	K.GLFPPEPEHYR.G	1645.864	0.00603	2	1	26.8	0
P12163_2_F6,15616	K.GLFPPEPEHYR.G	1645.864	0.00511	3	1	28.5	0

P12163_2_F6,15865	K.GLFPPEPEHYR.G	1645.864	0.00211	3	1	36.1	0
P12163_1_S1,15464	K.GSPDVYLSGPIR.K	1564.864	0.00248	3	1	48.6	0
P12163_1_F4,20869	K.NFFLAGSYTK.Q	1755.989	0.00647	3	1	29	0
P12163_1_F5,19701	K.NFFLAGSYTK.Q	1755.989	0.00909	2	1	31.3	0
P12163_2_F1,20251	K.NFFLAGSYTK.Q	1755.989	0.00647	3	1	32.7	0
P12163_2_F1,20262	K.NFFLAGSYTK.Q	1755.989	0.00667	2	1	40.1	0
P12163_1_F4,9725	K.SASGETYVR.G	1273.669	0.00282	2	1	26.1	0
P12163_2_F1,8648	K.SASGETYVR.G	1273.669	0.0034	2	1	28.2	0
P12163_1_S1,19056	K.VVQADAYVAACDVPC	2384.31	0.01765	3	1	65.8	0
P12163_1_F5,16882	R.AFLSTNQLK.T	1629.978	0.01143	2	1	26.1	0
P12163_1_F5,16920	R.AFLSTNQLK.T	1629.978	0.00568	3	1	43.8	0
P12163_2_F1,17392	R.AFLSTNQLK.T	1629.978	0.00307	2	1	29	0
P12163_2_F2,17751	R.AFLSTNQLK.T	1629.978	0.00496	3	1	35.4	0
P12163_1_F8,19160	R.FPIGAPLHGIR.A	1481.889	0.00275	3	1	49	0
P12163_2_F6,18712	R.FPIGAPLHGIR.A	1481.889	0.00242	3	1	52.5	0
P12163_2_F6,18740	R.FPIGAPLHGIR.A	1481.889	0.00222	2	1	25.6	0
P12163_2_F6,18992	R.FPIGAPLHGIR.A	1481.889	-0.0007	3	1	48.1	0
P12163_1_F3,23216	R.NAIALALSPVVK.A ! R	1804.152	0.00542	3	1	37.9	0
P12163_1_F3,23225	R.NAIALALSPVVK.A ! R	1804.152	0.00351	2	1	53.4	0
P12163_1_F4,23973	R.NAIALALSPVVK.A ! R	1804.152	0.00245	2	1	45.9	0
P12163_1_F4,24020	R.NAIALALSPVVK.A ! R	1804.152	0.01118	3	1	47.5	0
P12163_2_F1,23421	R.NAIALALSPVVK.A ! R	1804.152	0.00254	3	1	34.3	0
P12163_2_F1,23478	R.NAIALALSPVVK.A ! R	1804.152	0.00511	2	1	63.2	0
P12163_2_F4,20850	R.NAIALALSPVVK.A ! R	1804.152	0.00173	3	1	30.5	0
P12163_1_F3,6795	K.AAVDAR.K	906.531	0.00352	2	1	26.4	0
P12163_2_F1,6496	K.AAVDAR.K	906.531	0.00278	2	1	26.7	0
P12163_1_F3,21468	K.AFCEISPLVPK.M	1869.076	0.00972	3	1	42.5	0
P12163_1_F6,20504	K.AFCEISPLVPK.M	1869.076	0.00306	3	1	26.7	0
P12163_1_F6,20538	K.AFCEISPLVPK.M	1869.076	0.00262	2	1	30.3	0
P12163_2_F1,21863	K.AFCEISPLVPK.M	1869.076	0.00576	3	1	33.9	0
P12163_2_F1,21870	K.AFCEISPLVPK.M	1869.076	0.0067	2	1	46.1	0
P12163_1_F3,19231	K.ELLNDAAEEVGGK.L	1953.075	0.00679	3	1	49.5	0
P12163_1_F6,18459	K.ELLNDAAEEVGGK.L	1953.075	0.00058	3	1	41.9	0
P12163_1_F3,15847	K.ETLGFNTYEEEEK.H	2231.133	0.00622	3	1	30.3	0
P12163_1_F3,18560	K.ETLGFNTYEEEEK.H	2231.133	-0.00041	3	1	39.7	0
P12163_1_F3,18584	K.ETLGFNTYEEEEK.H	2231.133	0.00844	2	1	53.7	0
P12163_1_F5,16770	K.M*ANMLEGGGK.T	1631.87	0.00841	3	1	23.5	0
P12163_1_F5,16756	K.MANMLEGGGK.T	1615.876	0.00517	3	1	26.1	0
P12163_2_F1,17053	K.MANMLEGGGK.T	1615.876	0.0112	2	1	38.5	0
P12163_1_S1,24354	K.TPILNPLELEELGFK.L	2321.358	0.00698	3	1	56.1	0
P12163_1_F7,18262	R.AM*QDALTAIK.G	1685.972	0.00054	3	1	22.4	0
P12163_1_F4,20598	R.AMQDALTAIK.G	1669.977	0.00318	3	1	46.2	0
P12163_1_F4,20617	R.AMQDALTAIK.G	1669.977	0.00749	2	1	42.7	0
P12163_2_F1,19920	R.AMQDALTAIK.G	1669.977	0.00882	3	1	45.6	0
P12163_2_F1,20075	R.AMQDALTAIK.G	1669.977	0.00485	2	1	42.2	0
P12163_1_F2,21003	R.IPSPGSM*PSFEEIK.E	2143.156	0.00945	3	1	41.3	0
P12163_1_F2,20974	R.IPSPGSMPSFEEIK.E	2127.162	0.00456	3	1	30.1	0
P12163_1_F2,13503	R.QALSLEESLR.R	1449.821	0.00122	3	1	25.2	0
P12163_1_F3,13881	R.QALSLEESLR.R	1449.821	0.00595	3	1	22.6	0
P12163_1_F3,14189	R.QALSLEESLR.R	1449.821	0.00248	3	1	57.5	0
P12163_1_F3,18394	R.QALSLEESLR.R	1449.821	0.00405	2	1	27.8	0

P12163_1_F6,21345	R.QILELPGVHQGPACFD	2859.565	-0.00077	4	1	28.9	0
P12163_1_F6,21346	R.QILELPGVHQGPACFD	2859.565	-0.00065	3	1	39.4	0
P12163_1_F7,20471	R.QILELPGVHQGPACFD	2859.565	-0.00029	4	1	30.5	0
P12163_1_F7,20502	R.QILELPGVHQGPACFD	2859.565	-0.00296	3	1	28.6	0
P12163_2_S5,19508	R.QILELPGVHQGPACFD	2859.565	0.00503	4	1	24.8	0
P12163_1_F4,20881	K.DLVDYLK.H	1473.877	0.01255	2	1	25	0
P12163_1_F4,20899	K.DLVDYLK.H	1473.877	0.01047	3	1	22.9	0
P12163_1_F4,23453	K.DLVDYLK.H	1473.877	0.01123	2	1	25.3	0
P12163_1_F5,19788	K.DLVDYLK.H	1473.877	0.00366	3	1	23.2	0
P12163_1_F9,19382	K.DLVDYLK.H	1473.877	0.00769	2	1	24.8	0
P12163_2_F1,20300	K.DLVDYLK.H	1473.877	0.00543	2	1	36.3	0
P12163_2_F9,18277	K.DLVDYLK.H	1473.877	0.00389	2	1	25.9	0
P12163_1_F4,17647	K.EAANLLAEK.K	1566.931	0.00663	2	1	41.2	0
P12163_1_F5,16300	K.EAANLLAEK.K	1566.931	0.00553	2	1	40.4	0
P12163_1_F5,16304	K.EAANLLAEK.K	1566.931	0.0072	3	1	34.5	0
P12163_1_F7,18191	K.HLAESEGGVLLPSGC	2364.319	-0.00137	3	1	25.1	0
P12163_1_F7,18244	K.HLAESEGGVLLPSGC	2364.319	0.00178	4	1	43.7	0
P12163_1_F7,19138	K.HLAESEGGVLLPSGC	2364.319	-0.00314	3	1	47.7	0
P12163_1_F7,19181	K.HLAESEGGVLLPSGC	2364.319	-0.00218	4	1	38.1	0
P12163_1_F8,20157	K.HLAESEGGVLLPSGC	2364.319	-0.00776	3	1	32.9	0
P12163_2_F10,1738	K.HLAESEGGVLLPSGC	2364.319	0.00415	3	1	32.1	0
P12163_2_S5,18189	K.HLAESEGGVLLPSGC	2364.319	0.00162	4	1	30.8	0
P12163_1_F4,25034	K.LLSYCFLK.A	1651.97	0.00547	3	1	23.6	0
P12163_1_F4,25039	K.LLSYCFLK.A	1651.97	0.00714	2	1	33.9	0
P12163_2_F1,24328	K.LLSYCFLK.A	1651.97	0.00286	3	1	23	0
P12163_2_F9,21037	K.LLSYCFLK.A	1651.97	0.00505	3	1	27.1	0
P12163_1_S1,11853	K.VAM*ETASQIAGIR.L	1666.91	-0.00032	3	1	43.4	0
P12163_1_S1,19460	K.VAMETASQIAGIR.L	1650.915	0.00403	2	1	48.1	0
P12163_1_S1,19500	K.VAMETASQIAGIR.L	1650.915	0.00394	3	1	75.3	0
P12163_1_S1,15249	R.ADSIVNDAEFIR.V	1653.875	0.00379	3	1	68	0
P12163_1_F4,13398	R.EVAVGK.E	1309.83	0.00733	2	1	29.8	0
P12163_1_F4,13460	R.EVAVGK.E	1309.83	0.00677	3	1	27.4	0
P12163_2_F1,12437	R.EVAVGK.E	1309.83	0.00735	2	1	27.5	0
P12163_1_S1,18120	R.FPQDVEIVR.E	1406.794	0.00187	3	1	30.3	0
P12163_1_F5,14238	R.GPTESSGWINK.A	1783.98	0.01038	2	1	34.1	0
P12163_2_F1,14286	R.GPTESSGWINK.A	1783.98	0.00734	2	1	25.9	0
P12163_2_F6,21164	R.LWITNEYM*HSGLR.D	1940	0.00013	3	1	34.9	0
P12163_1_F4,14153	K.ELIDEGK.V	1411.825	0.00529	3	1	24.9	0
P12163_1_F8,24277	K.HGLTPVQLALGFVR.D	1812.08	0.00217	3	1	46.5	0
P12163_2_F6,24215	K.HGLTPVQLALGFVR.D	1812.08	-0.00746	3	1	49.1	0
P12163_1_F4,25954	K.TDLYIASWLK.S	1818.062	0.00557	3	1	30.5	0
P12163_1_F4,15580	K.VIIATK.V	1252.845	0.00653	3	1	23	0
P12163_1_F2,13491	K.VSGYSEQSSFLR.D	1663.859	0.00028	3	1	34.8	0
P12163_1_F2,14239	K.VSGYSEQSSFLR.D	1663.859	0.00841	3	1	53.8	0
P12163_1_F2,15826	K.YLDINSEAAR.K	1455.774	0.00544	2	1	25.6	0
P12163_1_S1,15465	K.YLDINSEAAR.K	1455.774	0.00631	3	1	67.3	0
P12163_1_F7,16640	R.CRFEVDLVEVCHPK.N	2396.267	0.00438	4	1	30.4	0
P12163_1_F7,16656	R.CRFEVDLVEVCHPK.N	2396.267	0.00807	3	1	33.5	0
P12163_1_F8,20694	R.DRPFMTSSIIIGATSVEQ	2688.485	0.00502	3	1	44.3	0
P12163_1_F8,19737	R.FEVDLVEVCHPK.N	2080.136	0.00412	2	1	72.7	0
P12163_1_F8,19752	R.FEVDLVEVCHPK.N	2080.136	0.00538	4	1	25.9	0

P12163_1_F8,19850	R.FEVDLVEVCHPK.N	2080.136	0.00422	3	1	44.9	0
P12163_1_F9,19326	R.FEVDLVEVCHPK.N	2080.136	0.00521	3	1	41.7	0
P12163_1_S10,1835	R.FEVDLVEVCHPK.N	2080.136	0.0062	3	1	36.8	0
P12163_2_F6,19231	R.FEVDLVEVCHPK.N	2080.136	0.02018	3	1	26.3	0
P12163_2_F6,19272	R.FEVDLVEVCHPK.N	2080.136	0.00515	2	1	70.1	0
P12163_2_F6,19313	R.FEVDLVEVCHPK.N	2080.136	0.00454	4	1	24.2	0
P12163_2_F6,19464	R.FEVDLVEVCHPK.N	2080.136	0.00998	3	1	37.7	0
P12163_2_F8_12070	R.FEVDLVEVCHPK.N	2080.136	0.00254	3	1	30	0
P12163_2_F8_12070	R.FEVDLVEVCHPK.N	2080.136	0.00142	4	1	26.2	0
P12163_2_S5,18232	R.FEVDLVEVCHPK.N	2080.136	0.00572	3	1	41.2	0
P12163_2_S5,18246	R.FEVDLVEVCHPK.N	2080.136	0.00238	4	1	25	0
P12163_1_F5,11922	R.VDAANIK.E	1338.82	0.00718	2	1	29.8	0
P12163_1_F5,11931	R.VDAANIK.E	1338.82	0.00956	3	1	24.2	0
P12163_1_F6,12871	R.VDAANIK.E	1338.82	0.007	2	1	29.8	0
P12163_2_F1,12395	R.VDAANIK.E	1338.82	0.00502	2	1	27.2	0
P12163_2_F2,12839	R.VDAANIK.E	1338.82	0.00724	2	1	27.5	0
P12163_1_F7,22332	K.CITLRPPDFAIPVEELK	2606.484	0.00514	3	1	23	0
P12163_1_F3,14326	K.DAAIQAIR.D	1161.689	0.00272	2	1	36.2	0
P12163_2_F1,13709	K.DAAIQAIR.D	1161.689	0.0027	2	1	28.3	0
P12163_1_F2,13339	K.DSGLEVDPEK.E	1696.921	0.00254	2	1	30.7	0
P12163_1_F3,13775	K.DSGLEVDPEK.E	1696.921	0.00696	2	1	39.6	0
P12163_1_F7,23459	K.EVGVVAIPTSVFYLN	2742.517	0.00804	3	1	25.5	0
P12163_1_F8,21881	K.HGAINLGQGFPNFDGF	2738.451	0.00615	3	1	28.1	0
P12163_2_F6,21638	K.HGAINLGQGFPNFDGF	2738.451	0.00437	4	1	38.2	0
P12163_2_F2,20925	K.TFSLTGWK.I	1547.904	0.00575	2	1	29.7	0
P12163_1_F4,12869	K.TNLQPQQVAK.R	1735.032	0.01252	2	1	25.7	0
P12163_1_F4,12875	K.TNLQPQQVAK.R	1735.032	0.00731	3	1	26.9	0
P12163_2_F1,11979	K.TNLQPQQVAK.R	1735.032	0.00794	2	1	30.6	0
P12163_2_F1,12015	K.TNLQPQQVAK.R	1735.032	0.00371	3	1	27.5	0
P12163_1_F8,11038	R.AILM*NTPHNPTGK.M	2018.131	0.00474	4	1	23.5	0
P12163_1_F8,13283	R.AILM*NTPHNPTGK.M	2018.131	0.00336	3	1	29.9	0
P12163_2_F6,10841	R.AILM*NTPHNPTGK.M	2018.131	0.0045	3	1	25.5	0
P12163_1_F8,12827	R.AILMNTPHNPTGK.M	2002.136	0.00414	3	1	31.2	0
P12163_1_F8,14982	R.AILMNTPHNPTGK.M	2002.136	0.00627	3	1	56.1	0
P12163_1_F8,15022	R.AILMNTPHNPTGK.M	2002.136	0.00777	2	1	61.4	0
P12163_2_F6,14412	R.AILMNTPHNPTGK.M	2002.136	0.00228	3	1	36.5	0
P12163_2_F9,16669	R.APETYEEELK.R	1851	0.00073	3	1	33.5	0
P12163_1_F6,14562	R.GHGVPEFNSAIASR.F	1745.924	0.00279	3	1	32.4	0
P12163_1_F8,14419	R.GHGVPEFNSAIASR.F	1745.924	0.00669	3	1	27.1	0
P12163_1_F8,14429	R.GHGVPEFNSAIASR.F	1745.924	0.0036	3	1	36.9	0
P12163_1_F8,14440	R.GHGVPEFNSAIASR.F	1745.924	0.00103	2	1	25.8	0
P12163_2_F6,13879	R.GHGVPEFNSAIASR.F	1745.924	-0.00417	2	1	49.9	0
P12163_2_F6,13908	R.GHGVPEFNSAIASR.F	1745.924	0.00246	3	1	55.2	0
P12163_1_F8,14300	K.EAVAPYERPALSK.A	2039.174	0.00598	2	1	27.3	0
P12163_2_F2,10452	K.GQFAENK.G	1401.795	0.00871	2	1	25.4	0
P12163_2_F2,10477	K.GQFAENK.G	1401.795	0.00796	3	1	30.4	0
P12163_1_F5,14075	K.NEGLSFASK.I	1560.884	0.00985	2	1	48.6	0
P12163_1_F5,14146	K.NEGLSFASK.I	1560.884	0.00558	3	1	38.1	0
P12163_1_F4,13357	K.TIMATEGGK.T	1515.866	0.00969	2	1	29.9	0
P12163_2_F1,12317	K.TIMATEGGK.T	1515.866	0.00757	2	1	41.5	0
P12163_1_F2,22398	K.VGVFLESPTPEENK.	2213.227	0.00444	3	1	29.4	0

P12163_1_F2,22487	K.VVGVFLES	GTPEENK.L	2213.227	0.00135	2	1	32.1	0
P12163_1_F2,22733	K.VVGVFLES	GTPEENK.L	2213.227	0.01839	3	1	26.4	0
P12163_1_F5,22184	K.VVGVFLES	GTPEENK.L	2213.227	-0.00138	3	1	41.5	0
P12163_1_S1,21569	K.VVGVFLES	GTPEENK.L	2213.227	0.00273	3	1	59.1	0
P12163_1_S1,21658	K.VVGVFLES	GTPEENK.L	2213.227	0.00206	4	1	24.1	0
P12163_1_S1,21792	K.VVGVFLES	GTPEENK.L	2213.227	0.00423	3	1	40.1	0
P12163_1_F4,10834	R.EIDDADK.L		1413.768	0.00451	2	1	32.7	0
P12163_1_F6,17756	R.LPGFHVCV	GSGGER.L	1775.916	0.00373	3	1	26.6	0
P12163_1_F8,17519	R.LPGFHVCV	GSGGER.L	1775.916	0.00613	3	1	57.7	0
P12163_2_F6,17006	R.LPGFHVCV	GSGGER.L	1775.916	0.00646	3	1	68.8	0
P12163_1_F2,18335	R.LTDFGVEG	ADAK.N	1831.006	0.00349	2	1	52.3	0
P12163_1_F3,18854	R.LTDFGVEG	ADAK.N	1831.006	0.00229	2	1	48.9	0
P12163_1_F2,4841	R.RVEHVDHAR	.K	1422.787	0.00385	3	1	39.1	0
P12163_1_F3,4765	R.RVEHVDHAR	.K	1422.787	0.00313	3	1	39.4	0
P12163_2_S3,4948	R.RVEHVDHAR	.K	1422.787	0.00337	3	1	39	0
P12163_1_F5,5140	R.VEHVDHAR.Q !	R.VEH	1266.686	0.00352	3	1	27.1	0
P12163_1_F5,5150	R.VEHVDHAR.Q !	R.VEH	1266.686	0.00162	2	1	35.7	0
P12163_2_S5,6262	R.VEHVDHAR.Q !	R.VEH	1266.686	0.00241	3	1	29	0
P12163_2_S5,6300	R.VEHVDHAR.Q !	R.VEH	1266.686	0.00362	2	1	32.7	0
P12163_2_F2,12237	K.GAGANILR	.A	1075.652	0.00003	2	1	31.8	0
P12163_1_F3,19731	K.LLIQNQDEMIK	.S ! K.L	1953.13	0.00615	3	1	59	0
P12163_1_F3,19732	K.LLIQNQDEMIK	.S ! K.L	1953.13	0.00683	2	1	62	0
P12163_1_F4,20317	K.LLIQNQDEMIK	.S ! K.L	1953.13	0.00642	3	1	41.7	0
P12163_1_F4,20322	K.LLIQNQDEMIK	.S ! K.L	1953.13	0.00451	2	1	58.2	0
P12163_2_F1,19749	K.LLIQNQDEMIK	.S ! K.L	1953.13	-0.00123	2	1	43.5	0
P12163_1_F4,26235	K.LQLIVFGK	.K	1525.993	0.00567	3	1	27.3	0
P12163_1_F3,13436	K.SDGIAGLYR	.G	1255.695	0.00443	3	1	34	0
P12163_1_F3,15985	K.SDGIAGLYR	.G	1255.695	0.0043	2	1	36.4	0
P12163_2_F1,14975	K.SDGIAGLYR	.G	1255.695	0.00222	2	1	32.6	0
P12163_1_F3,22957	K.SSLDAFSQILK	.N	1817.063	0.00509	3	1	35.2	0
P12163_1_F4,23745	K.SSLDAFSQILK	.N	1817.063	0.00932	3	1	46.4	0
P12163_1_F4,23749	K.SSLDAFSQILK	.N	1817.063	0.00699	2	1	70	0
P12163_1_F3,7546	K.TAAAPIER	.V	1132.663	0.00467	3	1	24.1	0
P12163_2_F1,7258	K.TAAAPIER	.V	1132.663	0.00158	3	1	36.3	0
P12163_1_F3,17825	R.AVAGAGVLAGYDK	.L	1800.048	0.00604	2	1	46.4	0
P12163_1_F3,17873	R.AVAGAGVLAGYDK	.L	1800.048	0.00003	3	1	66.5	0
P12163_1_F4,18370	R.AVAGAGVLAGYDK	.L	1800.048	0.01191	3	1	48.5	0
P12163_2_F1,17653	R.AVAGAGVLAGYDK	.L	1800.048	0.00591	3	1	39	0
P12163_2_F1,17664	R.AVAGAGVLAGYDK	.L	1800.048	-0.00202	2	1	61.2	0
P12163_1_F4,9963	R.GNTANVIR	.Y	1148.669	0.00474	2	1	28.1	0
P12163_1_F4,13526	R.M*MMTSGEAVK	.Y	1708.889	0.01005	3	1	26.4	0
P12163_1_F4,15758	R.MMMTSGEAVK	.Y	1692.894	0.00391	2	1	32.2	0
P12163_2_F1,14787	R.MMMTSGEAVK	.Y	1692.894	0.00417	2	1	33.4	0
P12163_2_F1,14837	R.MMMTSGEAVK	.Y	1692.894	0.00151	3	1	22.4	0
P12163_1_F3,25553	R.YFPTQALNFAFK	.D	2055.152	0.00688	3	1	43.5	0
P12163_1_F6,11883	K.ILHPVKEDR	.M	1715.042	0.0038	3	1	29.3	0
P12163_1_F4,15281	K.LQSSVIQK	.D	1510.941	0.00503	3	1	23.7	0
P12163_2_F1,14227	K.LQSSVIQK	.D	1510.941	0.00824	3	1	27	0
P12163_2_F1,21831	K.SSSGYTEWFLSK	.E	2000.058	0.00561	3	1	22.9	0
P12163_1_F5,21234	K.VAAGQPADFEYEVFD		2685.273	0.00046	3	1	45.9	0
P12163_2_F8_12070	K.VAAGQPADFEYEVFD		2685.273	0.00322	3	1	57.2	0

P12163_1_F6,14810	R.HSPVGILHSIQR.D	1647.96	0.00141	3	1	37.9	0
P12163_1_F6,14883	R.HSPVGILHSIQR.D	1647.96	0.00262	4	1	30.9	0
P12163_2_S3,13039	R.HSPVGILHSIQR.D	1647.96	-0.00006	3	1	26.8	0
P12163_1_F4,23875	R.LNDLFLK.C	1470.914	0.00322	2	1	32.1	0
P12163_1_F5,22439	R.LNDLFLK.C	1470.914	0.00528	2	1	26	0
P12163_1_F5,22448	R.LNDLFLK.C	1470.914	0.0063	3	1	24.2	0
P12163_2_F1,23270	R.LNDLFLK.C	1470.914	0.00372	2	1	25.4	0
P12163_2_F7,15383	R.SRPLMTDILR.V	1505.877	-0.00105	3	1	28.8	0
P12163_1_F5,10872	R.VHGIHDPLR.V	1347.78	0.00335	3	1	44.1	0
P12163_1_F5,10899	R.VHGIHDPLR.V	1347.78	0.00583	4	1	29.7	0
P12163_1_F6,11953	R.VHGIHDPLR.V	1347.78	0.00692	3	1	30.5	0
P12163_1_F6,11955	R.VHGIHDPLR.V	1347.78	0.00727	4	1	22.5	0
P12163_2_F7,10943	R.VHGIHDPLR.V	1347.78	0.00991	4	1	27.2	0
P12163_2_F7,10977	R.VHGIHDPLR.V	1347.78	0.00375	4	1	30.6	0
P12163_2_F7,10982	R.VHGIHDPLR.V	1347.78	0.00341	3	1	38.7	0
P12163_2_S5,11363	R.VHGIHDPLR.V	1347.78	0.00435	4	1	27.5	0
P12163_2_S5,11448	R.VHGIHDPLR.V	1347.78	0.00392	3	1	56.3	0
P12163_1_F5,10974	R.VHVSALER.V	1214.716	0.00412	3	1	23.8	0
P12163_1_F7,17704	R.VVGVEHNTEGESFVLV	2175.171	0.0033	3	1	52	0
P12163_1_F7,17739	R.VVGVEHNTEGESFVLV	2175.171	0.00138	2	1	40	0
P12163_1_F3,14005	K.GDGYLVDK.V	1474.836	0.0015	2	1	26.7	0
P12163_1_F4,14659	K.GDGYLVDK.V	1474.836	0.00769	2	1	32.2	0
P12163_1_F9,18173	K.HIEDILLK.V	1588.988	0.00188	2	1	34.4	0
P12163_1_F2,21690	K.ICSYAQGM*NLIR.A ! I	1745.898	0.00184	3	1	32.9	0
P12163_2_F1,18407	K.ICSYAQGM*NLIR.A ! I	1745.898	0.00632	2	1	25.6	0
P12163_1_S1,14617	K.VAAQVPDSGPCVTYV	2356.279	0.00904	3	1	23.8	0
P12163_1_S1,15532	K.VAAQVPDSGPCVTYV	2356.279	0.00427	3	1	78.2	0
P12163_1_F2,11377	K.VDETVER.A	1151.621	0.00302	2	1	36.2	0
P12163_1_S1,11539	K.VDETVER.A	1151.621	0.00298	2	1	36.6	0
P12163_1_S1,11872	K.VDETVER.A	1151.621	0.00194	2	1	25.9	0
P12163_1_F6,13291	R.DYFGAHTYER.I ! R.DY	1562.754	0.00126	3	1	24.2	0
P12163_2_S3,12278	R.DYFGAHTYER.I ! R.DY	1562.754	0.00015	3	1	28.6	0
P12163_1_F2,15655	R.LIDDVR.Q ! K.LIDDVR	1034.615	0.00216	2	1	26.7	0
P12163_1_F3,16355	R.LIDDVR.Q ! K.LIDDVR	1034.615	0.0016	2	1	36.5	0
P12163_1_S1,14090	R.LIDDVR.Q ! K.LIDDVR	1034.615	0.00218	2	1	35.5	0
P12163_1_F2,16574	R.LPANLVQAQR.D	1413.848	0.00372	3	1	22.9	0
P12163_1_F2,16815	R.LPANLVQAQR.D	1413.848	0.00343	2	1	25.5	0
P12163_1_S1,15559	R.LPANLVQAQR.D	1413.848	0.00063	3	1	53.7	0
P12163_1_F5,11592	R.QALYASK.I	1388.836	0.00874	2	1	30.2	0
P12163_1_F5,11663	R.QALYASK.I	1388.836	0.00755	3	1	33.6	0
P12163_1_F6,12559	R.QALYASK.I	1388.836	0.00528	2	1	26.3	0
P12163_1_S10,1296	R.QALYASK.I	1388.836	0.00581	3	1	26.6	0
P12163_2_F2,12380	R.QALYASK.I	1388.836	0.00652	2	1	29.9	0
P12163_2_F2,12384	R.QALYASK.I	1388.836	0.00686	3	1	30	0
P12163_2_F8_12070	R.QALYASK.I	1388.836	0.00676	2	1	30.4	0
P12163_1_F4,25764	R.VIIM*LVK.A	1439.948	0.0088	3	1	28.5	0
P12163_1_F3,19723	K.LSEGYVMDPAK.A	1981.056	0.0106	2	1	48	0
P12163_1_F8,19141	K.NYVDMDEYPVTTELQ	2391.144	0.00398	2	1	53.3	0
P12163_1_F6,19064	K.RHDEFEVAELLR.R	1817.981	0.00676	3	1	38.9	0
P12163_2_F7,16518	K.RHDEFEVAELLR.R	1817.981	0.00514	3	1	59.5	0
P12163_2_S5,18034	K.RHDEFEVAELLR.R	1817.981	0.00199	3	1	33.3	0

P12163_1_F4,10456	K.SINVSCHK.Y	1449.863	0.01105	3	1	39.1	0
P12163_2_F4,9194	K.SINVSCHK.Y	1449.863	0.00478	3	1	42.5	0
P12163_2_F4,9205	K.SINVSCHK.Y	1449.863	0.00781	2	1	29.9	0
P12163_2_S3,9103	K.SINVSCHK.Y	1449.863	0.00742	3	1	37.9	0
P12163_1_F8,19077	K.VLHELDSLPSK.V	1846.089	0.00143	3	1	22.6	0
P12163_1_F8,19124	K.VLHELDSLPSK.V	1846.089	0.00424	2	1	46.7	0
P12163_2_F6,18630	K.VLHELDSLPSK.V	1846.089	0.00587	3	1	36.3	0
P12163_2_F6,18650	K.VLHELDSLPSK.V	1846.089	0.01236	2	1	53.1	0
P12163_2_F2,17253	R.FNIVSK.D	1315.819	0.00438	2	1	25.7	0
P12163_1_F3,18574	R.FTMPENSIPK.E	1771.987	-0.00154	2	1	33.3	0
P12163_2_F1,18289	R.FTMPENSIPK.E	1771.987	0.00362	2	1	33.8	0
P12163_1_F8,20716	R.HDEFEVAELLR.R	1661.88	0.00223	3	1	56.5	0
P12163_2_F6,20252	R.HDEFEVAELLR.R	1661.88	0.00244	3	1	47.5	0
P12163_2_F6,20253	R.HDEFEVAELLR.R	1661.88	0.00658	2	1	25.3	0
P12163_1_F8,15155	R.NVMENCHENAMVLK.	2297.166	0.01757	3	1	23.1	0
P12163_2_F6,14645	R.NVMENCHENAMVLK.	2297.166	0.01505	3	1	30.2	0
P12163_1_F4,21050	R.YFEVELK.E	1535.893	0.00757	2	1	23.9	0
P12163_1_F4,21064	R.YFEVELK.E	1535.893	0.00576	3	1	23.9	0
P12163_1_F5,19895	R.YFEVELK.E	1535.893	0.00777	2	1	24.6	0
P12163_1_F7,18732	R.YFEVELK.E	1535.893	0.00199	2	1	24.5	0
P12163_1_F9,19552	R.YFEVELK.E	1535.893	0.00713	2	1	33	0
P12163_2_F1,15920	K.EAFLEK.F	1344.798	0.00631	2	1	26.1	0
P12163_1_F6,14770	K.GDYTSIIHGK.Y	1698.963	0.00637	3	1	32.2	0
P12163_1_F6,14778	K.GDYTSIIHGK.Y	1698.963	0.00436	2	1	28.6	0
P12163_2_F7,11824	K.LM*HGELVEK.E	1679.961	0.00495	3	1	39.8	0
P12163_2_F7,13727	K.LM*HGELVEK.E	1679.961	-0.00111	3	1	35.5	0
P12163_1_F9,15134	K.LMHGELVEK.E	1663.966	0.00346	3	1	23.2	0
P12163_1_F9,15188	K.LMHGELVEK.E	1663.966	0.00225	2	1	42.6	0
P12163_1_F2,18930	K.NVQIVDTTCPWVSK.V	2255.231	0.00546	3	1	49	0
P12163_1_F5,13920	K.QFDVVNK.G	1457.857	0.00728	2	1	26.5	0
P12163_1_F4,17791	K.VGIANQTTM*IK.G	1800.051	-0.00362	2	1	25.6	0
P12163_1_F4,17758	K.VGIANQTTMIK.G	1784.056	0.00367	3	1	41	0
P12163_1_F4,17784	K.VGIANQTTMIK.G	1784.056	0.0041	2	1	54.5	0
P12163_2_F1,16981	K.VGIANQTTMIK.G	1784.056	0.00676	3	1	45.1	0
P12163_2_F1,17021	K.VGIANQTTMIK.G	1784.056	0.0061	2	1	49.3	0
P12163_2_F2,17486	K.VWTTVEK.H	1470.878	0.00496	2	1	24.9	0
P12163_1_F7,13849	K.YSHEETVATASFAGK.	2206.16	0.00489	4	1	27.5	0
P12163_1_F7,13855	K.YSHEETVATASFAGK.	2206.16	0.00324	3	1	37.7	0
P12163_2_F4,13537	K.YSHEETVATASFAGK.	2206.16	0.00105	3	1	37.1	0
P12163_2_F6,13943	K.YSHEETVATASFAGK.	2206.16	-0.00102	3	1	23.7	0
P12163_1_F2,15001	R.AVQIAYEAR.K	1324.753	0.00773	2	1	42.3	0
P12163_1_F9,15081	R.AVQIAYEAR.K	1324.753	-0.00019	2	1	37.7	0
P12163_2_F1,14617	R.AVQIAYEAR.K	1324.753	0.00299	2	1	38.1	0
P12163_1_F4,21065	R.GIPSYWIDSEK.R	1903.042	0.00591	2	1	26	0
P12163_2_F1,20569	R.GIPSYWIDSEK.R	1903.042	0.00653	2	1	25.6	0
P12163_2_F1,20575	R.GIPSYWIDSEK.R	1903.042	0.00871	3	1	25.3	0
P12163_1_S1,21648	K.LDLLLLSDAAAR.F	1461.858	-0.00046	3	1	26.4	0
P12163_1_S1,24037	K.LDLLLLSDAAAR.F	1461.858	0.00323	3	1	32.2	0
P12163_1_S1,24082	K.LDLLLLSDAAAR.F	1461.858	0.00342	2	1	50.4	0
P12163_1_S1,24241	K.LDLLLLSDAAAR.F	1461.858	0.00302	3	1	56.9	0
P12163_1_S1,24279	K.LDLLLLSDAAAR.F	1461.858	0.00354	2	1	50.5	0

P12163_1_S1,24441	K.LDLLLLSDAAAR.F	1461.858	0.00281	3	1	28	0
P12163_1_S1,24476	K.LDLLLLSDAAAR.F	1461.858	0.00478	2	1	25.4	0
P12163_1_F4,10642	K.SFIGTTR.R	1085.626	0.00378	3	1	27.2	0
P12163_1_F3,27751	K.SFPADLLLLLEQLK.V	2095.262	0.00503	3	1	37.2	0
P12163_1_F2,13447	K.YTPDVLR.E	1167.667	0.00425	3	1	24.5	0
P12163_1_F4,25136	R.CGWLDVVALK.Y	1769.024	0.00568	3	1	25.4	0
P12163_2_F1,24455	R.CGWLDVVALK.Y	1769.024	0.00487	2	1	43.6	0
P12163_1_F8,10779	R.CQGGANAGHTIYNAE	2356.192	0.00415	3	1	25	0
P12163_1_F4,12766	R.GIGPAYSSK.V	1487.868	0.00618	2	1	26.5	0
P12163_1_F5,11274	R.GIGPAYSSK.V	1487.868	0.00765	3	1	26.1	0
P12163_1_S10,12310	R.GIGPAYSSK.V	1487.868	0.00738	3	1	26.7	0
P12163_2_F8_12070	R.GIGPAYSSK.V	1487.868	-0.00018	3	1	28.8	0
P12163_2_F8_12070	R.GIGPAYSSK.V	1487.868	0.0061	2	1	34.7	0
P12163_1_F9,12352	R.HMDTFPQK.L	1611.877	0.00748	2	1	24.3	0
P12163_2_F9,11621	R.HMDTFPQK.L	1611.877	0.00741	3	1	28.7	0
P12163_1_F5,12150	R.NYSDLPK.G	1444.826	0.00872	2	1	26.4	0
P12163_2_F2,12894	R.NYSDLPK.G	1444.826	0.00626	2	1	24.4	0
P12163_2_F2,12914	R.NYSDLPK.G	1444.826	0.0032	3	1	24.6	0
P12163_1_F3,24084	R.VVGD LIGVVK.A	1607.035	0.00533	3	1	43.6	0
P12163_1_F3,24313	R.VVGD LIGVVK.A	1607.035	0.0059	2	1	58.6	0
P12163_1_F2,17428	K.CDIVVVNTPLTEK.T	2096.188	0.00725	3	1	43.8	0
P12163_1_F2,18994	K.CDIVVVNTPLTEK.T	2096.188	0.00617	3	1	48.8	0
P12163_1_F2,19030	K.CDIVVVNTPLTEK.T	2096.188	0.00521	2	1	42.9	0
P12163_1_S1,17743	K.CDIVVVNTPLTEK.T	2096.188	0.00479	3	1	45.4	0
P12163_1_F2,22755	K.FEEDLDTM*LPK.C	1962.035	0.00757	3	1	24	0
P12163_1_F3,20098	K.GEDFPVQNYIVK.A	2017.121	0.0032	2	1	43.8	0
P12163_1_F3,20185	K.GEDFPVQNYIVK.A	2017.121	0.00536	3	1	30.5	0
P12163_1_F6,11486	K.GHQYIVTDDK.E	1783.98	0.00672	3	1	25.6	0
P12163_2_F7,10578	K.GHQYIVTDDK.E	1783.98	0.0075	3	1	35	0
P12163_1_S1,20495	K.GNEYASMNPNFLGCV	2706.238	0.00448	3	1	36.7	0
P12163_1_F2,14231	K.GVLIVNNAR.G	1259.774	0.0037	2	1	27.1	0
P12163_1_F4,22413	K.IVGVFYK.G	1433.898	0.00652	3	1	22.9	0
P12163_1_F4,22441	K.IVGVFYK.G	1433.898	0.00682	2	1	30.1	0
P12163_1_F5,21177	K.IVGVFYK.G	1433.898	0.00486	2	1	32.7	0
P12163_1_F9,20638	K.IVGVFYK.G	1433.898	0.00826	3	1	26.6	0
P12163_2_F1,21918	K.IVGVFYK.G	1433.898	0.00498	2	1	29.9	0
P12163_1_F3,6256	K.TVGTVGCGR.I	1210.652	0.00851	3	1	30.4	0
P12163_2_F1,5964	K.TVGTVGCGR.I	1210.652	0.00218	2	1	24.5	0
P12163_2_F1,5969	K.TVGTVGCGR.I	1210.652	0.00372	3	1	25.3	0
P12163_1_F5,12941	R.AYDLEGK.T	1403.799	0.00906	3	1	25.6	0
P12163_2_F1,13318	R.AYDLEGK.T	1403.799	0.00252	3	1	22.1	0
P12163_1_F4,18704	R.LKPFNCNLLYHDR.V	2298.264	0.00754	4	1	40.3	0
P12163_2_S3,15410	R.LKPFNCNLLYHDR.V	2298.264	0.00366	4	1	31.5	0
P12163_1_F8,17103	K.LIDLHEVR.D	1298.773	0.00236	3	1	40.6	0
P12163_2_F6,16435	K.LIDLHEVR.D	1298.773	0.00281	3	1	43.7	0
P12163_1_F5,18685	K.LMQQLYK.L	1531.913	0.00609	2	1	28.1	0
P12163_2_F2,19325	K.LMQQLYK.L	1531.913	0.00571	2	1	36.5	0
P12163_2_F2,19364	K.LMQQLYK.L	1531.913	0.00651	3	1	22.4	0
P12163_1_F8,18202	R.DLTHLPFAER.E	1502.827	0.00179	3	1	40.9	0
P12163_2_F6,17693	R.DLTHLPFAER.E	1502.827	0.00122	3	1	38.3	0
P12163_1_F3,21843	R.GYNIESLAVGLNK.D	1986.148	0.01525	3	1	24	0

P12163_1_F4,22461	R.GYNIESLAVGLNK.D	1986.148	0.00326	2	1	43	0
P12163_1_F7,16787	R.GYNIQSLAVGHAETEC	2306.204	0.0052	3	1	71.7	0
P12163_1_F8,17644	R.GYNIQSLAVGHAETEC	2306.204	-0.00167	3	1	46.3	0
P12163_2_F10,1592	R.GYNIQSLAVGHAETEC	2306.204	0.00562	3	1	56.6	0
P12163_2_F4,16409	R.GYNIQSLAVGHAETEC	2306.204	0.00565	3	1	46.7	0
P12163_2_S5,16462	R.GYNIQSLAVGHAETEC	2306.204	0.00472	3	1	70.2	0
P12163_1_F8,18485	R.HTISVFGDES GMINR.	2066.064	0.00774	2	1	37.5	0
P12163_2_F6,18082	R.HTISVFGDES GMINR.	2066.064	0.00875	3	1	41.1	0
P12163_1_S1,13856	R.ITTVVPATDESISK.L	2069.195	-0.00078	3	1	29.8	0
P12163_1_S1,16530	R.ITTVVPATDESISK.L	2069.195	0.00669	3	1	37.1	0
P12163_1_S1,16602	R.ITTVVPATDESISK.L	2069.195	0.00939	2	1	38.5	0
P12163_1_S1,20336	R.LLEPYGICEVAR.T	1723.935	0.00353	2	1	29.5	0
P12163_1_S1,20374	R.LLEPYGICEVAR.T	1723.935	-0.00655	3	1	31.4	0
P12163_2_F6,23067	R.RDVLDIATIFR.A	1622.953	0.00308	2	1	43.8	0
P12163_2_F9,17645	R.RGYNIESLAVGLNK.D	2142.249	0.00604	3	1	30	0
P12163_1_F4,18387	K.ADEFVLK.K	1429.851	0.01381	2	1	26	0
P12163_1_F4,18646	K.ADEFVLK.K	1429.851	0.01001	2	1	29.4	0
P12163_2_F1,17749	K.ADEFVLK.K	1429.851	0.00512	3	1	24.4	0
P12163_1_F8,22928	K.DVLVEFYAPWCGHCK	2489.257	0.00657	3	1	52.7	0
P12163_1_F4,11936	K.EFVAASGDEK.K	1660.9	0.00433	2	1	35.1	0
P12163_1_F4,13860	K.EFVAASGDEK.K	1660.9	0.00635	2	1	42.6	0
P12163_1_F4,13925	K.EFVAASGDEK.K	1660.9	0.0082	3	1	45.7	0
P12163_2_F1,12838	K.EFVAASGDEK.K	1660.9	0.00793	2	1	37.9	0
P12163_2_F1,14372	K.SVLIGK.V	1224.814	-0.00006	3	1	26.8	0
P12163_1_F9,7422	K.VDCDEHK.S	1510.778	0.00887	3	1	34.1	0
P12163_1_F3,23759	K.YGVQGYPTIQWFPK.G	2292.264	0.00502	3	1	38.3	0
P12163_1_F4,20448	K.YGVSGFPTLK.F	1676.983	0.00942	3	1	32.6	0
P12163_1_F4,20491	K.YGVSGFPTLK.F	1676.983	0.00809	2	1	34.2	0
P12163_2_F1,19849	K.YGVSGFPTLK.F	1676.983	0.00165	3	1	31.9	0
P12163_2_F1,19866	K.YGVSGFPTLK.F	1676.983	0.00595	2	1	30.3	0
P12163_2_F4,17662	K.YGVSGFPTLK.F	1676.983	-0.00105	3	1	24.9	0
P12163_2_F9,17642	K.YGVSGFPTLK.F	1676.983	0.0042	3	1	33.3	0
P12163_1_F8,21765	R.GALVEFYAPWCGHCK	2403.22	0.00609	3	1	34.8	0
P12163_2_F6,21375	R.GALVEFYAPWCGHCK	2403.22	0.00378	3	1	38.5	0
P12163_1_F2,12675	R.GVEVLEGSTAR.H	1421.79	0.00126	3	1	27.1	0
P12163_1_S1,12140	R.GVEVLEGSTAR.H	1421.79	0.00246	3	1	31	0
P12163_1_S1,14244	R.GVEVLEGSTAR.H	1421.79	0.00112	2	1	33.9	0
P12163_1_F3,18089	R.STEALAEYVNNEGGT	2504.309	0.00949	3	1	66.8	0
P12163_2_F10,1491	K.AASELSSHDPVVLAK	2229.27	0.00748	3	1	53.9	0
P12163_2_F10,1495	K.AASELSSHDPVVLAK	2229.27	0.00169	4	1	23.8	0
P12163_2_F4,15782	K.AASELSSHDPVVLAK	2229.27	0.00556	3	1	33.9	0
P12163_1_F2,14990	K.ELASQYEIR.G	1412.769	0.00445	2	1	28.1	0
P12163_1_F5,15530	K.FFNSPNAK.A	1532.868	0.01008	3	1	26.4	0
P12163_2_F2,16198	K.FFNSPNAK.A	1532.868	0.00634	2	1	31.1	0
P12163_1_F4,11295	K.QSGPASAEIK.S	1595.921	0.006	2	1	26.5	0
P12163_1_F5,9811	K.QSGPASAEIK.S	1595.921	0.00834	2	1	32.4	0
P12163_2_F1,10388	K.QSGPASAEIK.S	1595.921	0.0053	2	1	28.8	0
P12163_2_F1,10429	K.QSGPASAEIK.S	1595.921	0.0026	3	1	31	0
P12163_1_F3,15862	K.SAEDASSFIGEK.K	1848.98	0.0118	2	1	43.8	0
P12163_1_F3,15866	K.SAEDASSFIGEK.K	1848.98	0.01031	3	1	26.7	0
P12163_1_F3,15884	K.SAEDASSFIGEK.K	1848.98	0.00905	3	1	34.9	0

P12163_1_F3,13015	K.SEPIPEENNEPVK.V	2090.123	0.00517	2	1	39.2	0
P12163_2_F1,8876	K.VDANEEANK.E	1597.864	0.00893	2	1	31.8	0
P12163_1_F2,19113	R.EADGIVEYLK.K	1744.994	0.00909	3	1	35.5	0
P12163_1_F4,21104	R.EADGIVEYLK.K	1744.994	0.01431	2	1	39.3	0
P12163_1_F4,21124	R.EADGIVEYLK.K	1744.994	0.00024	3	1	24.4	0
P12163_1_F9,19466	R.EADGIVEYLK.K	1744.994	0.0072	3	1	24.1	0
P12163_1_S1,18330	R.EADGIVEYLK.K	1744.994	0.01545	3	1	24.5	0
P12163_1_F2,11009	R.GESSVTGPVVR.L	1391.78	-0.00052	2	1	29.4	0
P12163_2_F6,10958	R.SDYEFGHTQNAK.L	2005.024	0.00586	3	1	28.2	0
P12163_1_F2,24418	K.EYLPIVGLAEFNK.L	2101.215	0.00665	3	1	29.5	0
P12163_1_F3,25798	K.EYLPIVGLAEFNK.L	2101.215	0.00962	3	1	48.7	0
P12163_1_F9,17259	K.INLGVGAYR.D ! K.LNI	1266.747	-0.00395	2	1	33.1	0
P12163_1_S1,16125	K.LILGADSPAIR.E	1429.868	0.00331	3	1	46.2	0
P12163_1_S1,18249	K.LILGADSPAIR.E	1429.868	0.00379	3	1	70.3	0
P12163_1_F3,5194	K.TADVAGR.V	993.563	0.00283	2	1	24.8	0
P12163_1_F4,25691	K.VFTLAGLSVK.T ! K.VI	1643.035	0.00832	2	1	50.4	0
P12163_2_F1,24928	K.VFTLAGLSVK.T ! K.VI	1643.035	0.00451	3	1	31	0
P12163_2_F1,24938	K.VFTLAGLSVK.T ! K.VI	1643.035	0.00574	2	1	55.1	0
P12163_1_S1,19196	R.APEDPILGVTVAYNK.I	2195.253	0.00507	3	1	59.4	0
P12163_1_F4,17780	R.ISMAGLSSK.T	1501.887	0.01054	3	1	26.6	0
P12163_2_F1,16874	R.ISMAGLSSK.T	1501.887	0.00209	2	1	34.2	0
P12163_2_F1,16878	R.ISMAGLSSK.T	1501.887	0.00352	3	1	29.3	0
P12163_1_F3,18056	R.VGAEFLAR.H	1166.683	0.0034	2	1	25.3	0
P12163_1_F3,18321	R.VGAEFLAR.H	1166.683	0.00435	2	1	24.2	0
P12163_2_F1,17585	R.VGAEFLAR.H	1166.683	0.00422	2	1	24	0
P12163_1_F4,20251	R.VGALSIVCK.T	1554.95	0.01239	2	1	27	0
P12163_1_F4,20280	R.VGALSIVCK.T	1554.95	0.00764	3	1	34.6	0
P12163_2_F1,19755	R.VGALSIVCK.T	1554.95	0.005	3	1	35.1	0
P12163_1_S1,11924	R.VTTVQCLSGTGSLR.V	1782.969	0.0037	3	1	36.7	0
P12163_1_S1,14185	R.VTTVQCLSGTGSLR.V	1782.969	0.00586	3	1	34.7	0
P12163_1_S1,16122	R.VTTVQCLSGTGSLR.V	1782.969	0.00619	2	1	26.2	0
P12163_2_S5,15804	K.ELFGSAEEEEEEERVR.	2242.078	-0.00933	3	1	32.4	0
P12163_1_F5,24047	K.FLDVFAK.E	1447.877	0.00717	2	1	35.7	0
P12163_1_F7,22678	K.FLDVFAK.E	1447.877	0.00241	2	1	24.3	0
P12163_2_F1,25092	K.FLDVFAK.E	1447.877	0.00437	3	1	22.3	0
P12163_2_F1,25122	K.FLDVFAK.E	1447.877	0.00683	2	1	26.7	0
P12163_1_F3,25882	K.GYETLLDLVDNTK.G	2089.164	0.00252	3	1	35.4	0
P12163_1_F3,27866	K.IAVIGFGNFGQFLAK.A	2190.29	0.00624	3	1	35.4	0
P12163_1_F4,24271	K.SSWENLPFMYDK.V	2125.088	0.00325	2	1	35.6	0
P12163_1_F8,13589	K.YAAGSQFVTHTM*GR	1845.922	0.00504	3	1	32.8	0
P12163_1_F8,16250	K.YAAGSQFVTHTMGR.V	1829.927	0.00231	3	1	40.4	0
P12163_1_F4,15309	R.FGVESSPINTK.G	1787.016	0.00676	3	1	30.2	0
P12163_1_F4,17113	R.FGVESSPINTK.G	1787.016	0.00637	2	1	44.9	0
P12163_1_F4,17114	R.FGVESSPINTK.G	1787.016	0.00661	3	1	26.9	0
P12163_2_F1,16281	R.FGVESSPINTK.G	1787.016	0.00393	2	1	49.8	0
P12163_2_F1,16375	R.FGVESSPINTK.G	1787.016	0.00709	3	1	24.6	0
P12163_1_F4,25384	R.LEM*AFESIK.Q	1691.95	0.00442	3	1	38.1	0
P12163_2_F1,24634	R.LEM*AFESIK.Q	1691.95	0.00508	3	1	25.2	0
P12163_1_F4,25431	R.LEMAFESIK.Q	1675.955	0.00853	3	1	22.6	0
P12163_2_F1,24572	R.LEMAFESIK.Q	1675.955	0.00202	3	1	29.4	0
P12163_2_F6,16143	R.MVEM*SCFDHDK.Y ! I	2022.954	0.00477	3	1	22.5	0

P12163_1_F3,25545	R.STLFVDVLSVK.E	1816.104	0.00626	2	1	44.2	0
P12163_1_F3,25632	R.STLFVDVLSVK.E	1816.104	0.00242	3	1	35.5	0
P12163_1_F2,14410	K.GELDELER.E	1264.669	0.00315	2	1	42.7	0
P12163_2_F6,15742	K.HIVLENVQNASIK.V	2073.228	0.0028	3	1	37.3	0
P12163_2_F7,14662	K.HIVLENVQNASIK.V	2073.228	-0.00965	3	1	32.5	0
P12163_1_F3,11550	K.NDLTGLAR.G	1163.669	0.00484	3	1	24.5	0
P12163_1_F4,18168	K.QFVEEQFAEK.V	1863.011	0.00234	2	1	35.6	0
P12163_1_F4,18261	K.QFVEEQFAEK.V	1863.011	0.00947	3	1	48	0
P12163_2_F1,17411	K.QFVEEQFAEK.V	1863.011	-0.00014	2	1	45.3	0
P12163_2_F1,17456	K.QFVEEQFAEK.V	1863.011	0.00665	3	1	28.5	0
P12163_1_F5,12668	K.YVAGENIK.H	1501.883	0.00982	2	1	27.8	0
P12163_2_F2,13501	K.YVAGENIK.H	1501.883	0.0119	2	1	28	0
P12163_2_F8_1207C	K.YVAGENIK.H	1501.883	0.0052	2	1	26.3	0
P12163_1_F4,5945	R.GGQQVQOCR.A	1364.701	0.00478	2	1	32	0
P12163_2_F1,5227	R.GGQQVQOCR.A	1364.701	0.00088	2	1	33.8	0
P12163_1_F4,20647	R.LENTITYIK.G	1703.02	0.00805	2	1	43	0
P12163_1_F4,20671	R.LENTITYIK.G	1703.02	0.00812	3	1	38.2	0
P12163_2_F1,20039	R.LENTITYIK.G	1703.02	0.00121	2	1	45	0
P12163_2_F1,20043	R.LENTITYIK.G	1703.02	0.00518	3	1	37.6	0
P12163_1_S1,23545	R.LTVVPTVTMLGVMK.S	2097.264	0.02026	3	1	41.2	0
P12163_1_F5,10914	R.QENIAGVK.I	1466.879	0.00888	2	1	31.3	0
P12163_2_F2,11732	R.QENIAGVK.I	1466.879	0.00572	2	1	33.9	0
P12163_2_F7,15792	R.VNALENVVKPR.L	1847.132	0.0011	3	1	43.1	0
P12163_1_S1,23771	K.GYEVAIVDSLIR.R	1638.937	-0.00121	3	1	54.9	0
P12163_1_S1,23990	K.GYEVAIVDSLIR.R	1638.937	0.00467	3	1	21.9	0
P12163_1_F8,16380	K.SFEPDAVVHFGEQR.S	1921.971	-0.00121	4	1	48.2	0
P12163_1_F8,18273	K.SFEPDAVVHFGEQR.S	1921.971	0.00079	3	1	43	0
P12163_2_F6,17827	K.SFEPDAVVHFGEQR.S	1921.971	0.00283	3	1	29.8	0
P12163_2_S5,17056	K.SFEPDAVVHFGEQR.S	1921.971	0.00127	3	1	39.3	0
P12163_2_S5,17128	K.SFEPDAVVHFGEQR.S	1921.971	0.00782	2	1	33.7	0
P12163_1_F3,10885	K.TISVPNPR.V	1187.705	0.00382	3	1	22.4	0
P12163_1_S1,13372	R.ATDLNQGVVYGVR.T	1695.933	0.00131	3	1	24	0
P12163_1_S1,15375	R.ATDLNQGVVYGVR.T	1695.933	0.00356	3	1	48.6	0
P12163_2_F6,15709	R.ATDLNQGVVYGVR.T	1695.933	0.00367	2	1	39.3	0
P12163_1_F8,19381	R.FCVQAAVGHPLTVYG	2355.31	0.0069	3	1	46.6	0
P12163_1_F8,19402	R.FCVQAAVGHPLTVYG	2355.31	0.00012	4	1	52.8	0
P12163_1_F4,15959	R.GYLDIR.D	1040.604	0.00277	2	1	27.1	0
P12163_2_F8_1207C	R.LFDHQLGLDSLTPIASI	2552.377	-0.0004	4	1	36	0
P12163_2_S5,20830	R.LFDHQLGLDSLTPIASI	2552.377	0.00284	4	1	29.1	0
P12163_2_S3,7331	R.SGLHQSSNDPSK.A	1864.997	0.0116	3	1	36.6	0
P12163_1_F8,11615	R.TDETAMHEELCNR.L	1909.869	0.00065	2	1	23.9	0
P12163_2_F6,11354	R.TDETAMHEELCNR.L	1909.869	0.00449	3	1	33.6	0
P12163_1_F6,12936	R.VEAEHYNAK.H	1961.022	0.01095	3	1	23.9	0
P12163_2_F6,12390	R.VEAEHYNAK.H	1961.022	0.00321	3	1	28	0
P12163_1_S1,17433	K.ADIEDYLASR.G	1456.758	0.00211	3	1	29.5	0
P12163_1_F6,19884	K.DVAAPALDYVDIPHSC	2284.224	-0.00063	2	1	31.7	0
P12163_1_F6,19901	K.DVAAPALDYVDIPHSC	2284.224	0.00225	3	1	56.9	0
P12163_1_S10,1855'	K.DVAAPALDYVDIPHSC	2284.224	-0.00042	3	1	44	0
P12163_2_F4,18663	K.DVAAPALDYVDIPHSC	2284.224	0.0006	3	1	58.7	0
P12163_2_F4,18706	K.DVAAPALDYVDIPHSC	2284.224	0.00175	2	1	32.4	0
P12163_2_F8_1207C	K.DVAAPALDYVDIPHSC	2284.224	0.00357	3	1	60.6	0

P12163_1_F2,12371	K.DYSPSVSDAGAAPAK.	2044.081	0.00789	3	1	51	0
P12163_1_S1,11900	K.DYSPSVSDAGAAPAK.	2044.081	0.00522	3	1	26.1	0
P12163_1_F3,10899	K.EPSPPPPK.Q	1553.915	0.00669	2	1	36.9	0
P12163_1_F2,18200	K.GLSTIAEEVR.Q	1378.784	0.00434	2	1	33.9	0
P12163_2_F1,18485	K.GLSTIAEEVR.Q	1378.784	0.00146	2	1	35.3	0
P12163_2_F1,17128	R.CNSSWADEYIR.Q	1704.795	0.00793	2	1	46.4	0
P12163_1_F4,21430	R.ISVNDLVIK.A ! R.ISVN	1609.014	0.00853	2	1	26.6	0
P12163_1_F3,14816	R.LFASPVAR.N	1164.704	0.00607	3	1	24.7	0
P12163_1_F4,14289	R.NQLNSIQEASAGK.R	1968.097	0.0039	2	1	62.3	0
P12163_1_F4,14309	R.NQLNSIQEASAGK.R	1968.097	0.01014	3	1	26.3	0
P12163_2_F1,13348	R.NQLNSIQEASAGK.R	1968.097	0.00616	2	1	55.9	0
P12163_1_F3,23830	R.VIDGAIGAEWLK.A	1880.11	0.00606	3	1	42	0
P12163_1_F3,23859	R.VIDGAIGAEWLK.A	1880.11	-0.00546	2	1	31.7	0
P12163_1_F2,9618	K.ETMSGDEFR.A	1375.647	0.00732	3	1	25.2	0
P12163_1_F2,12334	K.ETMSGDEFR.A	1375.647	0.00409	2	1	26.4	0
P12163_1_F3,16533	K.GVLLVGPPGTGK.T ! R	1703.068	0.00632	3	1	32.4	0
P12163_1_F3,16556	K.GVLLVGPPGTGK.T ! R	1703.068	0.008	2	1	24.2	0
P12163_1_F3,18588	K.GVLLVGPPGTGK.T ! R	1703.068	0.00462	2	1	41.7	0
P12163_1_F3,18600	K.GVLLVGPPGTGK.T ! R	1703.068	0.00857	3	1	35.8	0
P12163_1_F4,27254	K.IVEVLLEK.E	1550.998	0.00806	2	1	44	0
P12163_1_F4,27457	K.IVEVLLEK.E	1550.998	0.00656	2	1	42.2	0
P12163_1_F4,27551	K.IVEVLLEK.E	1550.998	0.00676	3	1	29.1	0
P12163_1_F4,6056	K.VHGSNK.K	1249.747	0.00798	3	1	24.7	0
P12163_1_F8,20986	R.ADILDSALLRPGR.F	1700.996	0.00207	3	1	23	0
P12163_2_S5,19209	R.ADILDSALLRPGR.F	1700.996	0.00243	3	1	31.5	0
P12163_2_F7,19347	R.FLEYLDKDR.V	1807.021	0.00476	2	1	33.6	0
P12163_1_F3,6131	R.GTGIGGGNDER.E	1336.676	0.00363	3	1	52.6	0
P12163_2_F1,7032	R.GTGIGGGNDER.E	1336.676	0.00644	2	1	40.9	0
P12163_1_S1,16149	R.QVTVDVDIR.G	1445.827	-0.00193	3	1	71.4	0
P12163_1_S1,16189	R.QVTVDVDIR.G	1445.827	0.00057	2	1	30.9	0
P12163_1_F3,20384	R.SSGM*GGPGGPGFPL	2517.302	0.0109	3	1	38.2	0
P12163_1_F3,23023	R.VQLPGLSQELLQK.F	2061.253	0.00609	3	1	54.7	0
P12163_1_F3,23031	R.VQLPGLSQELLQK.F	2061.253	0.00277	2	1	24.8	0
P12163_2_F1,5976	K.ECVGNDR.V	1153.557	0.00195	2	1	27.4	0
P12163_1_F5,8914	K.NPSLNTK.L	1381.826	0.00803	2	1	25.7	0
P12163_2_F2,9836	K.NPSLNTK.L	1381.826	0.00423	3	1	25.8	0
P12163_1_F2,11534	K.TPYLPDGR.F	1222.673	0.00143	3	1	47.4	0
P12163_1_S1,11398	K.TPYLPDGR.F	1222.673	0.00359	3	1	31.4	0
P12163_1_F3,7190	K.VIGNTGSNSTR.E	1409.765	0.00143	3	1	38.4	0
P12163_1_F3,7797	K.VIGNTGSNSTR.E	1409.765	-0.00139	3	1	23.4	0
P12163_1_S1,22915	R.AEFVNLVNQIGR.E	1663.943	0.00193	3	1	61.9	0
P12163_1_S1,22982	R.AEFVNLVNQIGR.E	1663.943	0.00272	2	1	40.9	0
P12163_2_F1,17387	R.ELMFGGK.N	1389.802	0.00246	3	1	22.2	0
P12163_2_F2,12857	R.ENFVGEK.D	1430.81	0.00581	2	1	29	0
P12163_2_F2,12880	R.ENFVGEK.D	1430.81	0.01037	3	1	24.5	0
P12163_1_F4,19511	R.LITAIK.T ! K.LITAIK.E	1266.86	0.01187	3	1	24.4	0
P12163_2_F1,18791	R.LITAIK.T ! K.LITAIK.E	1266.86	0.00587	3	1	33	0
P12163_1_F3,20873	R.LPYVPLPQEK.R	1792.083	0.00391	2	1	29.5	0
P12163_1_F3,20891	R.LPYVPLPQEK.R	1792.083	0.00538	3	1	24.5	0
P12163_2_F4,19043	R.LPYVPLPQEK.R	1792.083	0.00433	3	1	22.1	0
P12163_1_F8,14482	R.VIHTM*AQSPNLAGVK	2190.252	0.00483	3	1	39.9	0

P12163_2_F6,14017	R.VIHTM*AQSPNLAGVK	2190.252	0.00282	3	1	25.6	0
P12163_2_F6,16272	R.VIHTM*AQSPNLAGVK	2190.252	-0.00102	3	1	45.5	0
P12163_1_F7,15463	K.EPSEVHLEQIVR.L	1739.959	-0.00078	3	1	50.4	0
P12163_1_F8,16162	K.EPSEVHLEQIVR.L	1739.959	0.00225	3	1	42.9	0
P12163_2_F6,15673	K.EPSEVHLEQIVR.L	1739.959	0.00282	3	1	38.8	0
P12163_2_S5,15085	K.EPSEVHLEQIVR.L	1739.959	0.0021	3	1	27.2	0
P12163_1_S1,16421	K.FAEACGIPGAQVTR.K	1780.932	0.00629	2	1	24.2	0
P12163_1_S1,23014	K.GADIIVEALER.Q ! K.G	1489.853	0.00269	3	1	33	0
P12163_1_S1,23033	K.GADIIVEALER.Q ! K.G	1489.853	0.00226	2	1	60.2	0
P12163_1_F8,19149	K.IVHIDIDSAEIGK.N	2018.174	0.0061	3	1	29.6	0
P12163_2_F6,18707	K.IVHIDIDSAEIGK.N	2018.174	0.00839	2	1	39.9	0
P12163_1_F8,17675	K.KPVLYVGGGCLNSSEI	2586.417	-0.00009	3	1	46.8	0
P12163_2_F6,17197	K.KPVLYVGGGCLNSSEI	2586.417	0.00249	3	1	41.3	0
P12163_2_F1,18300	K.YPLSFK.T	1362.824	-0.00123	3	1	24.4	0
P12163_1_F6,10241	R.AHTYLGDPSE.R	1420.749	-0.00083	3	1	35	0
P12163_1_F6,10249	R.AHTYLGDPSE.R	1420.749	0.00603	2	1	24	0
P12163_2_F7,9441	R.AHTYLGDPSE.R	1420.749	0.0034	3	1	38.8	0
P12163_1_F3,12235	R.FAPDEPR.K	1135.605	0.00266	2	1	29.5	0
P12163_2_F6,14174	R.HEQGGIFAAEGYAR.S	1809.919	0.00307	3	1	49.9	0
P12163_2_F7,13235	R.HEQGGIFAAEGYAR.S	1809.919	0.00232	3	1	26.6	0
P12163_1_F8,21196	R.KGADIIVEALER.Q ! R.	1922.153	0.00358	3	1	36.6	0
P12163_2_F6,20839	R.KGADIIVEALER.Q ! R.	1922.153	0.00184	2	1	42.6	0
P12163_2_F2,8664	K.EQQNGLK.T	1424.832	0.00904	2	1	26	0
P12163_1_F2,22424	K.GLLDDLGR.E	1275.757	0.00224	2	1	34.6	0
P12163_1_F2,11419	K.QIVTSDLR.Q	1235.726	0.00851	3	1	24.1	0
P12163_1_F5,15815	K.QQFPISQYK.R	1747	0.00354	2	1	32.7	0
P12163_2_F2,16616	K.QQFPISQYK.R	1747	0.0101	2	1	26.2	0
P12163_1_S1,15988	K.SNGVNVM*VFEADER	1886.922	0.00372	3	1	28.4	0
P12163_2_S3,14350	K.VLSLSYSHDGK.S	1814.027	0.00988	3	1	33.2	0
P12163_1_F2,21623	R.DYDSVLEAIEK.M	1890.032	0.0055	3	1	31.3	0
P12163_1_F3,22176	R.DYDSVLEAIEK.M	1890.032	0.00434	2	1	54.6	0
P12163_1_F3,22201	R.DYDSVLEAIEK.M	1890.032	0.00712	3	1	28.9	0
P12163_2_F7,19160	R.DYDSVLEAIEK.M	1890.032	0.00241	3	1	36.8	0
P12163_2_F9,19835	R.DYDSVLEAIEK.M	1890.032	0.00016	3	1	27.2	0
P12163_1_F9,20176	R.HSFPELWNLEK.R	2008.111	0.00707	3	1	34.7	0
P12163_2_F9,19190	R.HSFPELWNLEK.R	2008.111	0.00579	3	1	33.2	0
P12163_1_F2,21986	R.VAVVGAGVSGLAAAY	2041.227	0.00708	3	1	30.5	0
P12163_1_F3,22569	R.VAVVGAGVSGLAAAY	2041.227	0.00057	3	1	55.1	0
P12163_1_F3,22683	R.VAVVGAGVSGLAAAY	2041.227	-0.00838	2	1	50	0
P12163_2_F9,16954	R.YGSVIAGAIK.S	1586.973	0.00396	3	1	36.5	0
P12163_1_F5,11848	K.AAFDEAEK.K	1488.815	0.01022	2	1	35	0
P12163_2_F1,12159	K.AAFDEAEK.K	1488.815	0.00474	2	1	33.6	0
P12163_2_F1,12186	K.AAFDEAEK.K	1488.815	0.00648	3	1	39.7	0
P12163_1_F3,11565	K.EITDPDAK.K	1496.842	0.00828	3	1	32.8	0
P12163_1_F2,8520	K.GIQTSEDYR.F	1372.701	0.00479	3	1	23.3	0
P12163_2_F1,16564	K.LAEETWGK.H	1541.878	0.01142	2	1	24.7	0
P12163_2_F1,16588	K.LAEETWGK.H	1541.878	0.00405	3	1	25	0
P12163_2_F1,13805	K.LDCGGGYMK.L	1608.833	0.00768	2	1	25	0
P12163_1_F4,17094	K.LLSGEVDQK.K	1596.942	0.01018	2	1	33.9	0
P12163_2_F1,16219	K.LLSGEVDQK.K	1596.942	0.00532	2	1	27.4	0
P12163_2_F1,16241	K.LLSGEVDQK.K	1596.942	0.00398	3	1	33.2	0

P12163_1_F3,23367	K.QSGSLYSDWDLPPK.	2314.254	0.00045	3	1	33	0
P12163_1_F4,24598	K.YVGIELWQVK.S	1843.094	0.00303	3	1	37.3	0
P12163_1_F4,24616	K.YVGIELWQVK.S	1843.094	0.00346	2	1	46.2	0
P12163_2_F9,20764	K.YVGIELWQVK.S	1843.094	0.00144	3	1	22.9	0
P12163_1_F4,22436	R.FDDGWESQWVK.S	2005.028	0.0084	2	1	50.2	0
P12163_1_F3,24933	R.FYAISAEFPEFSNK.D	2258.195	0.01009	3	1	34.1	0
P12163_1_F3,26053	R.FYAISAEFPEFSNK.D	2258.195	0.00655	3	1	59.3	0
P12163_1_S1,17839	K.FTGVNDPAAQDFVEK.	2246.191	0.00925	2	1	58.7	0
P12163_1_S1,17850	K.FTGVNDPAAQDFVEK.	2246.191	0.00502	3	1	66.6	0
P12163_1_F8,19365	K.SCLLVNAPLIHR.A	1696.983	0.0016	3	1	50	0
P12163_1_F8,19390	K.SCLLVNAPLIHR.A	1696.983	0.00391	2	1	25.1	0
P12163_2_F6,18860	K.SCLLVNAPLIHR.A	1696.983	0.00433	3	1	64.6	0
P12163_2_F6,18873	K.SCLLVNAPLIHR.A	1696.983	0.00109	2	1	33.6	0
P12163_2_F1,23837	K.VFAFVAPK.I	1486.924	0.00633	2	1	27.5	0
P12163_2_F1,15856	K.YAMTLDGK.I	1506.845	0.00632	3	1	24.9	0
P12163_2_F1,15897	K.YAMTLDGK.I	1506.845	0.00508	2	1	30.3	0
P12163_1_F3,12773	R.AEDAAYIR.R	1212.653	0.00332	2	1	30.1	0
P12163_1_F6,18012	R.DVM*EYFHDR.G	1531.715	0.0021	3	1	27.1	0
P12163_1_F6,18011	R.DVMEYFHDR.G	1515.72	0.00114	3	1	25.6	0
P12163_2_F6,17397	R.DVMEYFHDR.G	1515.72	-0.00078	3	1	38.7	0
P12163_1_S1,11670	R.SDAVVVGNTVR.R	1477.828	-0.00098	2	1	26.7	0
P12163_2_F1,13590	R.SDWESVK.I	1458.805	0.00681	2	1	24	0
P12163_2_F6,16986	R.SQGLQVHVLGEDLQSI	2346.324	0.00132	3	1	36.2	0
P12163_1_F4,22655	R.VPFSVK.Y	1431.882	0.00298	3	1	26.8	0
P12163_2_F1,22143	R.VPFSVK.Y	1431.882	0.00478	3	1	25	0
P12163_1_F7,21026	K.ALESGEFPPLLGINTC	2674.466	0.00532	3	1	50	0
P12163_2_S5,19951	K.ALESGEFPPLLGINTC	2674.466	0.00541	3	1	52.7	0
P12163_1_F4,21269	K.EATELFNSISK.D	1847.037	0.00814	2	1	32.3	0
P12163_1_F6,14264	K.ELNAPFHDSPODK.V	1978.049	0.00611	3	1	28	0
P12163_1_F6,20357	K.GLASVFESHLK.E	1796.053	0.01044	3	1	45.2	0
P12163_1_F8,20520	K.GLASVFESHLK.E	1796.053	0.00714	3	1	26.6	0
P12163_2_F6,20083	K.GLASVFESHLK.E	1796.053	-0.00198	3	1	38.5	0
P12163_2_F6,20093	K.GLASVFESHLK.E	1796.053	0.00383	2	1	52.6	0
P12163_1_F3,23823	K.LLLEEQDIEGDFK.K	2157.19	0.00525	3	1	49.6	0
P12163_1_F4,15989	K.LVECVEK.S	1484.86	0.00788	2	1	24.3	0
P12163_2_F1,15011	K.LVECVEK.S	1484.86	0.00698	2	1	25.6	0
P12163_1_F3,22419	R.FCGCLLNVMQTTPK.E	2277.201	0.00621	3	1	26	0
P12163_1_F8,19922	R.GVKPDNVTFTLISCAI	2473.369	0.00116	3	1	40.9	0
P12163_2_F6,19497	R.GVKPDNVTFTLISCAI	2473.369	0.00662	3	1	33.7	0
P12163_1_F3,21851	R.IDSNAFSTLIK.L	1817.063	0.0101	3	1	26.9	0
P12163_1_F3,21867	R.IDSNAFSTLIK.L	1817.063	0.00483	2	1	50.7	0
P12163_1_S1,22460	R.LFDDMLDR.G	1328.682	0.00333	2	1	35.4	0
P12163_2_F9,16560	K.KFEVEGYLR.T	1749.015	0.00755	4	1	48.9	0
P12163_2_F6,16215	K.KLENGEDQESLTILQR	2481.377	0.0047	3	1	42.4	0
P12163_1_F4,19109	K.LFGTNDDIK.N	1630.926	0.00628	3	1	27.3	0
P12163_1_F9,18533	K.RLEEALIAQDENK.L	2266.25	0.00604	3	1	30.4	0
P12163_2_F8_12070	K.RLEEALIAQDENK.L	2266.25	-0.00368	3	1	33.2	0
P12163_2_F9,17657	K.RLEEALIAQDENK.L	2266.25	0.00571	3	1	31.7	0
P12163_1_F7,20046	K.SYQELEIEDPNDFRPYI	3058.508	0.00468	3	1	46.1	0
P12163_1_F7,20057	K.SYQELEIEDPNDFRPYI	3058.508	0.0001	4	1	32.2	0
P12163_2_F1,11575	R.CGEGEAVIK.R	1570.872	0.00589	2	1	34.4	0

P12163_2_F1,11576 R.CGEGEAVIK.R	1570.872	0.00589	3	1	30.6	0
P12163_1_F5,20216 R.FIMAQIK.F	1458.896	0.00412	2	1	26.2	0
P12163_1_F3,19750 R.LAVAQPQVTDWK.F	1964.143	-0.00489	2	1	40.1	0
P12163_1_F3,19767 R.LAVAQPQVTDWK.F	1964.143	0.00442	3	1	32.7	0
P12163_1_F4,24656 R.LEEAEIAQDENK.L	2110.149	0.00162	3	1	53.8	0
P12163_1_F5,18654 R.LLSEMGK.T	1385.828	0.00848	2	1	26.6	0
P12163_2_F1,18885 R.LLSEMGK.T	1385.828	0.01017	2	1	25.9	0
P12163_2_F1,18906 R.LLSEMGK.T	1385.828	0.0075	3	1	22.9	0
P12163_1_F4,14941 K.ELEAVAK.Q	1367.835	0.00226	2	1	26.3	0
P12163_1_F4,14951 K.GATQQVEVQIK.K	1809.069	0.00487	2	1	68.8	0
P12163_2_F1,13985 K.GATQQVEVQIK.K	1809.069	0.00003	2	1	59.9	0
P12163_1_F6,12593 K.GQSACLAQSPQLHK.Q	2133.169	0.00579	3	1	25.5	0
P12163_1_F8,12424 K.GQSACLAQSPQLHK.Q	2133.169	0.0006	3	1	28.4	0
P12163_1_F5,11747 R.AQACGIDVK.T	1569.888	0.01234	2	1	34.6	0
P12163_1_F5,11788 R.AQACGIDVK.T	1569.888	0.00786	3	1	21.9	0
P12163_2_F1,12205 R.AQACGIDVK.T	1569.888	0.00294	2	1	31	0
P12163_1_F2,12622 R.GEEIISGAQR.I	1363.748	0.00372	2	1	38	0
P12163_2_F6,20513 R.IHIPEFLAER.A	1528.879	0.00199	3	1	25.9	0
P12163_1_F5,9932 R.SEAIEK.A	1413.804	0.00921	2	1	28.6	0
P12163_1_F3,13356 R.TLANQGIFR.I	1323.769	0.00344	3	1	35.3	0
P12163_1_F2,17872 R.VFETGPVFR.A	1355.762	0.00349	3	1	31.4	0
P12163_1_F7,15257 R.YGAPPHGGFGVGLER.	1817.96	-0.00163	3	1	31.5	0
P12163_1_F8,15913 R.YGAPPHGGFGVGLER.	1817.96	0.00455	3	1	26.9	0
P12163_1_F8,15986 R.YGAPPHGGFGVGLER.	1817.96	-0.00046	2	1	24	0
P12163_2_F6,15356 R.YGAPPHGGFGVGLER.	1817.96	-0.00109	3	1	34.4	0
P12163_1_F3,24599 K.FLEVAYPYVAK.R	1908.109	0.00632	3	1	27.1	0
P12163_1_F3,24718 K.FLEVAYPYVAK.R	1908.109	0.01037	2	1	35.1	0
P12163_1_S1,19049 K.ISSQTIAAASLGQVYR.	1969.102	0.00172	2	1	29.3	0
P12163_1_S1,19065 K.ISSQTIAAASLGQVYR.	1969.102	0.00399	3	1	63	0
P12163_1_F3,24010 K.LGCNAELIVDEFGEK.I	2302.221	0.00649	3	1	58.5	0
P12163_2_F9,18429 K.RLENLITLAK.E	1779.131	0.00131	3	1	28.5	0
P12163_1_F8,16478 K.VQRPGEPIIYR.D	1745.037	-0.0003	3	1	28.6	0
P12163_1_F4,26007 R.LENLITLAK.E	1623.03	0.00596	3	1	24.2	0
P12163_2_F1,25216 R.LENLITLAK.E	1623.03	0.00503	3	1	36.8	0
P12163_1_F2,19449 R.LFFTDEGIR.R	1401.768	0.00452	3	1	23.6	0
P12163_1_F4,24105 R.NLLCNLGPFSFIK.A	1984.151	0.00886	3	1	48.1	0
P12163_1_F4,24110 R.NLLCNLGPFSFIK.A	1984.151	0.00271	2	1	37.4	0
P12163_1_F4,24262 R.QLLLALTEDSK.L	1839.105	0.00478	3	1	56.5	0
P12163_1_F4,24277 R.QLLLALTEDSK.L	1839.105	0.00284	2	1	43.7	0
P12163_2_F1,23663 R.QLLLALTEDSK.L	1839.105	0.0055	3	1	54.2	0
P12163_2_F2,12601 R.SVTGQFNK.L	1488.863	0.00557	3	1	25.9	0
P12163_1_F3,18806 K.EIGVPIDVK.Y	1577.972	0.00544	2	1	26.9	0
P12163_1_S1,15069 K.ELTEMPLSR.K	1379.751	-0.00076	3	1	36.5	0
P12163_2_F1,15663 K.FQSDFEK.R	1508.82	0.00257	2	1	27	0
P12163_1_F3,17120 K.GSAVVCVAEGAGQSL	2254.269	0.00472	3	1	43	0
P12163_1_F3,18197 K.GSAVVCVAEGAGQSL	2254.269	0.01792	3	1	30.2	0
P12163_1_F3,21358 K.GSAVVCVAEGAGQSL	2254.269	0.00625	3	1	55.2	0
P12163_1_F9,20655 K.NIVGIPFGYR.G	1439.831	0.00416	2	1	24.7	0
P12163_1_S1,16202 K.TFGFDTAVEEAQR.A	1774.891	0.00451	3	1	42.1	0
P12163_1_F2,20856 K.TIDNDILLMDK.T	1899.072	0.00631	3	1	27.8	0
P12163_1_F2,20874 K.TIDNDILLMDK.T	1899.072	0.0037	2	1	40.7	0

P12163_1_F4,18256	K.VAIVGVPK.T	1390.924	0.0048	3	1	26.5	0
P12163_2_F1,17659	K.VAIVGVPK.T	1390.924	0.00162	3	1	26	0
P12163_2_F1,17666	K.VAIVGVPK.T	1390.924	0.00215	2	1	25.2	0
P12163_1_S1,19345	K.YIDPTYMIR.A	1475.787	0.00236	3	1	30.4	0
P12163_2_F8_12070	R.GINMLFVLGGNGTHA	2927.467	-0.00031	4	1	30	0
P12163_2_F6,20714	K.ALRPYFELTNAVR.I	1854.054	0.00522	3	1	27	0
P12163_1_F7,11775	K.EDEHEM*EVDTASSG/	2695.298	0.00748	3	1	27.1	0
P12163_1_F8,18678	K.EIASLMETGAHAR.E	1689.889	0.00182	3	1	40.2	0
P12163_2_F6,18175	K.EIASLMETGAHAR.E	1689.889	0.00452	3	1	32.6	0
P12163_1_F3,14048	K.HIAEEDDDEF.-	1523.68	0.00645	2	1	50.7	0
P12163_2_F7,13318	R.GNLLALHR.I	1197.737	-0.00352	3	1	31.1	0
P12163_2_F9,13765	R.GNLLALHR.I	1197.737	0.00368	3	1	30.4	0
P12163_1_F4,24811	R.IGDLELFK.S	1542.935	0.00629	2	1	37.3	0
P12163_2_F1,24109	R.IGDLELFK.S	1542.935	0.00307	3	1	23.3	0
P12163_2_F1,24149	R.IGDLELFK.S	1542.935	0.00547	2	1	28.1	0
P12163_2_F1,18302	R.ISLADVAK.K	1424.893	0.0047	2	1	25.9	0
P12163_1_S1,20058	R.LLLGEIPER.T	1343.82	0.00538	2	1	27.3	0
P12163_1_S1,20106	R.LLLGEIPER.T	1343.82	0.00366	3	1	29.6	0
P12163_2_F1,24132	R.LLSYLPK.E	1441.924	0.00535	2	1	28.9	0
P12163_2_F1,9873	R.QQQEQELAK.H	1709.964	0.00543	2	1	38.6	0
P12163_1_F7,21599	K.TGDIWHICIEDLPR.S	2029.048	0.00183	3	1	56.8	0
P12163_1_F3,15820	K.VSLPPPPK.R	1539.972	0.00798	2	1	34	0
P12163_1_S1,22751	R.FDSSIVLIDPYAK.L	2076.184	0.00878	2	1	32.7	0
P12163_1_S1,22761	R.FDSSIVLIDPYAK.L	2076.184	0.00463	3	1	38	0
P12163_2_F1,22658	R.FFSEVIK.F	1477.887	0.00392	3	1	24.1	0
P12163_2_F1,18039	R.GLYLVGK.F	1357.866	0.00253	3	1	33.9	0
P12163_2_F1,18045	R.GLYLVGK.F	1357.866	0.00467	2	1	39.6	0
P12163_1_F5,18960	R.GSYLGLIQK.I	1586.973	0.00663	3	1	31.3	0
P12163_2_S5,9301	R.HFGDASAK.L	1440.806	0.00696	3	1	51.8	0
P12163_1_F3,11080	R.ISGSSDLYR.V	1301.7	0.00425	3	1	34.5	0
P12163_1_F4,17843	R.VSETTLPLK.T	1595.983	0.00478	2	1	33.6	0
P12163_1_S10,1269	R.YAGGGGGLK.A	1484.868	0.00755	3	1	24.8	0
P12163_1_F7,16079	K.EGVIQHSTINNLAIGR.!	2026.135	0.00132	3	1	52.2	0
P12163_1_F7,16091	K.EGVIQHSTINNLAIGR.!	2026.135	-0.00002	2	1	56.9	0
P12163_1_F8,16815	K.EGVIQHSTINNLAIGR.!	2026.135	0.00162	3	1	34.7	0
P12163_1_F8,16822	K.EGVIQHSTINNLAIGR.!	2026.135	0	2	1	59.4	0
P12163_2_F10,1514	K.EGVIQHSTINNLAIGR.!	2026.135	0.0053	2	1	30.9	0
P12163_2_F10,1514	K.EGVIQHSTINNLAIGR.!	2026.135	0.0039	3	1	52.2	0
P12163_2_F4,15766	K.EGVIQHSTINNLAIGR.!	2026.135	-0.00309	3	1	26.9	0
P12163_2_F6,16290	K.EGVIQHSTINNLAIGR.!	2026.135	0.00105	3	1	32.4	0
P12163_2_F6,16320	K.EGVIQHSTINNLAIGR.!	2026.135	-0.00196	2	1	81.3	0
P12163_2_F8_12070	K.EGVIQHSTINNLAIGR.!	2026.135	0.009	3	1	26	0
P12163_2_S5,15596	K.EGVIQHSTINNLAIGR.!	2026.135	0.00183	3	1	48.3	0
P12163_1_F5,20978	K.EYFAAI.-	1017.556	0.00018	2	1	28.4	0
P12163_1_F6,20946	K.EYFAAI.-	1017.556	0.00284	2	1	24.9	0
P12163_2_F2,21413	K.EYFAAI.-	1017.556	0.00004	2	1	27.8	0
P12163_2_S3,18061	K.EYFAAI.-	1017.556	0.004	2	1	28.2	0
P12163_2_S5,19765	K.EYFAAI.-	1017.556	0.0021	2	1	30.8	0
P12163_1_F4,18362	K.LSDYIGK.K	1403.835	0.00756	3	1	23.3	0
P12163_1_F4,18524	K.LSDYIGK.K	1403.835	0.005	2	1	29.6	0
P12163_1_F5,17182	K.LSDYIGK.K	1403.835	0.00692	2	1	31.4	0

P12163_1_F5,17265	K.LSDYIGK.K	1403.835	0.00654	3	1	24.3	0
P12163_1_F8,16957	K.LSDYIGK.K	1403.835	-0.00198	2	1	25.3	0
P12163_1_F8,16977	K.LSDYIGK.K	1403.835	0.00243	3	1	24.4	0
P12163_1_F9,17194	K.LSDYIGK.K	1403.835	0.00412	2	1	30.9	0
P12163_1_S10,1706	K.LSDYIGK.K	1403.835	0.00633	3	1	32.1	0
P12163_2_F1,17591	K.LSDYIGK.K	1403.835	0.00615	3	1	21.9	0
P12163_2_F1,17711	K.LSDYIGK.K	1403.835	0.00564	2	1	31.2	0
P12163_2_F8_12070	K.LSDYIGK.K	1403.835	0.00498	3	1	34.7	0
P12163_2_S5,15881	K.LSDYIGK.K	1403.835	0.00132	3	1	24.3	0
P12163_2_S5,15902	K.LSDYIGK.K	1403.835	0.00156	2	1	26.6	0
P12163_1_F5,11042	K.SGGLGDLK.Y	1354.815	0.00883	3	1	24.2	0
P12163_1_F5,13114	K.SGGLGDLK.Y	1354.815	0.00889	3	1	34.9	0
P12163_1_F6,14091	K.SGGLGDLK.Y	1354.815	0.00487	3	1	23.6	0
P12163_1_F8,13284	K.SGGLGDLK.Y	1354.815	0.00352	3	1	30.9	0
P12163_2_F1,11582	K.SGGLGDLK.Y	1354.815	0.00694	3	1	23.4	0
P12163_2_F1,13521	K.SGGLGDLK.Y	1354.815	0.00595	3	1	45.1	0
P12163_2_F2,11889	K.SGGLGDLK.Y	1354.815	0.0064	3	1	26.1	0
P12163_2_F2,13947	K.SGGLGDLK.Y	1354.815	0.00751	3	1	47.7	0
P12163_2_S5,12574	K.SGGLGDLK.Y	1354.815	0.00052	3	1	29.2	0
P12163_1_F7,20514	K.SYGVLPDQGIALR.G	1806.043	0.00582	2	1	31.1	0
P12163_1_F8,19561	K.SYGVLPDQGIALR.G	1806.043	0.00226	3	1	38.2	0
P12163_1_F8,21515	K.SYGVLPDQGIALR.G	1806.043	0.00151	3	1	49.4	0
P12163_2_F6,18912	K.SYGVLPDQGIALR.G	1806.043	0.00196	2	1	32.6	0
P12163_2_F6,18962	K.SYGVLPDQGIALR.G	1806.043	0.00562	3	1	36.8	0
P12163_2_F6,19172	K.SYGVLPDQGIALR.G	1806.043	0.00223	3	1	30.1	0
P12163_2_F6,21149	K.SYGVLPDQGIALR.G	1806.043	-0.00242	2	1	50.9	0
P12163_2_F6,21155	K.SYGVLPDQGIALR.G	1806.043	0.00142	3	1	50.5	0
P12163_1_F2,21595	K.YPLIADITK.S	1642.004	-0.00068	3	1	25.1	0
P12163_1_F3,21773	K.YPLIADITK.S	1642.004	0.00182	2	1	40.3	0
P12163_1_F3,21803	K.YPLIADITK.S	1642.004	0.00499	3	1	34.3	0
P12163_1_F3,21995	K.YPLIADITK.S	1642.004	0.0067	2	1	33.1	0
P12163_1_F3,22016	K.YPLIADITK.S	1642.004	0.00202	3	1	38	0
P12163_1_F3,22199	K.YPLIADITK.S	1642.004	0.00656	2	1	32.1	0
P12163_1_F3,22235	K.YPLIADITK.S	1642.004	0.00175	3	1	39.4	0
P12163_1_F3,22439	K.YPLIADITK.S	1642.004	0.00802	2	1	39.6	0
P12163_1_F4,22749	K.YPLIADITK.S	1642.004	0.003	2	1	24.2	0
P12163_1_F4,22972	K.YPLIADITK.S	1642.004	0.0064	3	1	29.8	0
P12163_1_F5,21374	K.YPLIADITK.S	1642.004	0.00454	3	1	23.7	0
P12163_1_F6,20646	K.YPLIADITK.S	1642.004	-0.00002	3	1	32.6	0
P12163_1_F6,20871	K.YPLIADITK.S	1642.004	0.00262	3	1	31	0
P12163_1_F6,21097	K.YPLIADITK.S	1642.004	0.00169	3	1	30.1	0
P12163_1_F6,21328	K.YPLIADITK.S	1642.004	0.0034	3	1	24.1	0
P12163_1_F7,20413	K.YPLIADITK.S	1642.004	0.00259	3	1	25.1	0
P12163_1_F8,21523	K.YPLIADITK.S	1642.004	0.00139	3	1	31.2	0
P12163_1_F9,20663	K.YPLIADITK.S	1642.004	0.00439	3	1	23.3	0
P12163_1_F9,20887	K.YPLIADITK.S	1642.004	0.00742	2	1	31.9	0
P12163_1_F9,21186	K.YPLIADITK.S	1642.004	0.00691	3	1	24.1	0
P12163_1_S10,1964	K.YPLIADITK.S	1642.004	0.00466	3	1	33.7	0
P12163_1_S10,1980	K.YPLIADITK.S	1642.004	0.00814	3	1	22	0
P12163_1_S10,1997	K.YPLIADITK.S	1642.004	0.00652	3	1	33.7	0
P12163_2_F1,22343	K.YPLIADITK.S	1642.004	0.00313	3	1	23	0

P12163_2_F10,1837:K.YPLIADITK.S	1642.004	0.00061	3	1	26.5	0
P12163_2_F10,1857:K.YPLIADITK.S	1642.004	0.00181	3	1	35.1	0
P12163_2_F10,1876:K.YPLIADITK.S	1642.004	0.00913	3	1	28.8	0
P12163_2_F4,20078 K.YPLIADITK.S	1642.004	0.00484	3	1	35.1	0
P12163_2_F7,19020 K.YPLIADITK.S	1642.004	0.00628	2	1	35.3	0
P12163_2_F7,19128 K.YPLIADITK.S	1642.004	0.00319	3	1	37.5	0
P12163_2_F7,19222 K.YPLIADITK.S	1642.004	0.006	2	1	35.4	0
P12163_2_F7,19338 K.YPLIADITK.S	1642.004	0.00295	3	1	28	0
P12163_2_F9,19341 K.YPLIADITK.S	1642.004	0.00382	3	1	32.2	0
P12163_2_F9,19416 K.YPLIADITK.S	1642.004	0.00866	2	1	24.2	0
P12163_2_F9,19552 K.YPLIADITK.S	1642.004	0.00568	3	1	35.3	0
P12163_2_F9,19742 K.YPLIADITK.S	1642.004	0.00712	3	1	35.6	0
P12163_2_F9,19833 K.YPLIADITK.S	1642.004	0.00786	2	1	41.6	0
P12163_2_F9,19962 K.YPLIADITK.S	1642.004	0.00973	3	1	26.1	0
P12163_2_S3,17691 K.YPLIADITK.S	1642.004	0.00121	3	1	24.3	0
P12163_2_S3,17874 K.YPLIADITK.S	1642.004	-0.0011	3	1	26	0
P12163_1_F4,21456 R.GLFIIDK.E	1413.893	0.00841	2	1	33.3	0
P12163_1_F4,21492 R.GLFIIDK.E	1413.893	0.00413	3	1	26.2	0
P12163_1_F4,21713 R.GLFIIDK.E	1413.893	0.00405	2	1	34.3	0
P12163_1_F4,21733 R.GLFIIDK.E	1413.893	0.00506	3	1	48.6	0
P12163_1_F4,21906 R.GLFIIDK.E	1413.893	0.00561	2	1	33.1	0
P12163_1_F4,21932 R.GLFIIDK.E	1413.893	0.00581	3	1	24.2	0
P12163_1_F4,22113 R.GLFIIDK.E	1413.893	0.00469	2	1	27.9	0
P12163_1_F4,22232 R.GLFIIDK.E	1413.893	-0.00256	3	1	23.7	0
P12163_1_F4,22368 R.GLFIIDK.E	1413.893	0.00527	2	1	30.6	0
P12163_1_F4,22605 R.GLFIIDK.E	1413.893	0.00645	2	1	31.4	0
P12163_1_F4,22860 R.GLFIIDK.E	1413.893	0.00101	2	1	24.8	0
P12163_1_F5,22709 R.GLFIIDK.E	1413.893	0.00473	2	1	26.7	0
P12163_1_F6,140 R.GLFIIDK.E	1413.893	-0.00309	2	1	32	0
P12163_1_F6,359 R.GLFIIDK.E	1413.893	0.00585	2	1	32.7	0
P12163_1_F6,20607 R.GLFIIDK.E	1413.893	0.00379	2	1	30.3	0
P12163_1_F7,19336 R.GLFIIDK.E	1413.893	0.00231	2	1	32.1	0
P12163_1_F7,19349 R.GLFIIDK.E	1413.893	0.0011	3	1	26.8	0
P12163_1_F7,19825 R.GLFIIDK.E	1413.893	0.00441	2	1	33.4	0
P12163_1_F8,20824 R.GLFIIDK.E	1413.893	0.00377	3	1	26.7	0
P12163_1_F8,20840 R.GLFIIDK.E	1413.893	0.00561	2	1	34.2	0
P12163_1_F9,20201 R.GLFIIDK.E	1413.893	0.00559	2	1	37.3	0
P12163_1_F9,20212 R.GLFIIDK.E	1413.893	0.00188	3	1	26.6	0
P12163_1_S10,1924:R.GLFIIDK.E	1413.893	0.00707	3	1	26.5	0
P12163_2_F1,20794 R.GLFIIDK.E	1413.893	0.00929	2	1	33	0
P12163_2_F1,21261 R.GLFIIDK.E	1413.893	0.00719	2	1	34.1	0
P12163_2_F1,21262 R.GLFIIDK.E	1413.893	0.00539	3	1	33.9	0
P12163_2_F1,21475 R.GLFIIDK.E	1413.893	0.00675	2	1	28.5	0
P12163_2_F1,21698 R.GLFIIDK.E	1413.893	0.00539	2	1	29.3	0
P12163_2_F1,21763 R.GLFIIDK.E	1413.893	0.00515	3	1	25.5	0
P12163_2_F1,21934 R.GLFIIDK.E	1413.893	0.00507	2	1	26.8	0
P12163_2_F2,21277 R.GLFIIDK.E	1413.893	0.00343	2	1	29.9	0
P12163_2_F4,18943 R.GLFIIDK.E	1413.893	0.00083	3	1	26.2	0
P12163_2_F4,19374 R.GLFIIDK.E	1413.893	0.00345	2	1	30.7	0
P12163_2_S5,18469 R.GLFIIDK.E	1413.893	0.0008	3	1	21.9	0
P12163_2_S5,19038 R.GLFIIDK.E	1413.893	0.00428	3	1	23.8	0

P12163_2_F8_1207	R.GLFIIDKEGVIIQHSTIN	3116.804	0.00097	4	1	27.7	0
P12163_1_F2,7068	R.SVDETLR.T	1123.626	0.00319	3	1	25.2	0
P12163_1_F2,7270	R.SVDETLR.T	1123.626	0.00316	3	1	23	0
P12163_1_F2,7499	R.SVDETLR.T	1123.626	0.00286	3	1	28.6	0
P12163_1_F2,10665	R.SVDETLR.T	1123.626	0.00162	2	1	31.3	0
P12163_1_F2,10668	R.SVDETLR.T	1123.626	0.00362	2	1	31.4	0
P12163_1_F3,7204	R.SVDETLR.T	1123.626	0.004	3	1	23.6	0
P12163_1_F3,10917	R.SVDETLR.T	1123.626	0.00406	2	1	28.9	0
P12163_1_F3,9889	K.AVAAAETGSAAEEK.Q	1842.006	0.00455	3	1	39.8	0
P12163_1_F3,9922	K.AVAAAETGSAAEEK.Q	1842.006	0.00514	2	1	34	0
P12163_1_F3,10130	K.AVAAAETGSAAEEK.Q	1842.006	0.00422	3	1	61.8	0
P12163_1_F3,10165	K.AVAAAETGSAAEEK.Q	1842.006	0.00314	2	1	36.8	0
P12163_1_F3,12008	K.AVAAAETGSAAEEK.Q	1842.006	0.00431	3	1	36.6	0
P12163_1_F3,12027	K.AVAAAETGSAAEEK.Q	1842.006	0.00314	2	1	65.8	0
P12163_1_F4,9231	K.AVAAAETGSAAEEK.Q	1842.006	0.00653	3	1	27.9	0
P12163_1_F4,9844	K.AVAAAETGSAAEEK.Q	1842.006	0.00605	3	1	46.2	0
P12163_1_F4,10324	K.AVAAAETGSAAEEK.Q	1842.006	0.00306	2	1	39.4	0
P12163_1_F4,10540	K.AVAAAETGSAAEEK.Q	1842.006	0.00866	3	1	59.3	0
P12163_1_F4,10591	K.AVAAAETGSAAEEK.Q	1842.006	0.00228	2	1	39.6	0
P12163_1_F4,12542	K.AVAAAETGSAAEEK.Q	1842.006	0.0026	2	1	64.3	0
P12163_1_F4,12550	K.AVAAAETGSAAEEK.Q	1842.006	0.00575	3	1	66.7	0
P12163_1_F4,20471	K.AVAAAETGSAAEEK.Q	1842.006	0.00074	3	1	31.1	0
P12163_1_F4,23652	K.AVAAAETGSAAEEK.Q	1842.006	0.00252	2	1	44	0
P12163_1_F4,23787	K.AVAAAETGSAAEEK.Q	1842.006	0.00827	3	1	61.6	0
P12163_1_F4,24439	K.AVAAAETGSAAEEK.Q	1842.006	0.00006	2	1	24.9	0
P12163_1_F4,24451	K.AVAAAETGSAAEEK.Q	1842.006	0.00818	3	1	54.9	0
P12163_1_F5,11253	K.AVAAAETGSAAEEK.Q	1842.006	0.0048	2	1	69.4	0
P12163_1_F5,11273	K.AVAAAETGSAAEEK.Q	1842.006	0.00011	3	1	36.6	0
P12163_1_F6,12119	K.AVAAAETGSAAEEK.Q	1842.006	0.00148	2	1	32.3	0
P12163_1_F7,10953	K.AVAAAETGSAAEEK.Q	1842.006	-0.00283	3	1	56.8	0
P12163_2_F1,9427	K.AVAAAETGSAAEEK.Q	1842.006	0.00792	2	1	52.7	0
P12163_2_F1,9694	K.AVAAAETGSAAEEK.Q	1842.006	0.00908	2	1	27.9	0
P12163_2_F1,9716	K.AVAAAETGSAAEEK.Q	1842.006	0.00548	3	1	45.8	0
P12163_2_F1,11591	K.AVAAAETGSAAEEK.Q	1842.006	0.00322	2	1	75	0
P12163_2_F1,11602	K.AVAAAETGSAAEEK.Q	1842.006	0.00719	3	1	68.8	0
P12163_2_F1,11892	K.AVAAAETGSAAEEK.Q	1842.006	0.00038	2	1	78.8	0
P12163_2_F1,12016	K.AVAAAETGSAAEEK.Q	1842.006	0.00566	3	1	41.2	0
P12163_2_F1,12166	K.AVAAAETGSAAEEK.Q	1842.006	0.00558	2	1	26.5	0
P12163_2_F4,10570	K.AVAAAETGSAAEEK.Q	1842.006	0.00164	3	1	56.2	0
P12163_2_F4,10578	K.AVAAAETGSAAEEK.Q	1842.006	-0.00162	2	1	78.9	0
P12163_2_S3,10678	K.AVAAAETGSAAEEK.Q	1842.006	0.00293	3	1	45.4	0
P12163_1_F3,7898	K.GGGGGGGDGS GGFSG	2508.144	0.00872	3	1	47.8	0
P12163_1_F3,9000	K.GGGGGGGDGS GGFSG	2508.144	0.00854	3	1	58	0
P12163_1_F9,8681	K.GGGGGGGDGS GGFSG	2508.144	0.00146	3	1	33.4	0
P12163_1_S1,9223	K.LVDHNDEN.-	1259.617	0.00585	2	1	29	0
P12163_1_F3,11451	K.SSVVVL.R.C	1063.678	0.00435	3	1	28.5	0
P12163_2_F1,10898	K.SSVVVL.R.C	1063.678	0.00375	3	1	31.6	0
P12163_2_F2,3081	K.SSVVVL.R.C	1063.678	0.00231	2	1	35	0
P12163_1_F4,16647	K.STPEVVK.S	1514.904	0.00533	2	1	28.6	0
P12163_1_F7,14862	K.STPEVVK.S	1514.904	0.001	3	1	22.3	0
P12163_2_F1,15771	K.STPEVVK.S	1514.904	0.00563	2	1	29.2	0

P12163_2_F1,16026	K.STPEVVFK.S	1514.904	0.00487	3	1	28.8	0
P12163_2_F1,16036	K.STPEVVFK.S	1514.904	0.00659	2	1	28.7	0
P12163_2_F4,14513	K.STPEVVFK.S	1514.904	0.00046	3	1	22.2	0
P12163_2_S5,14322	K.STPEVVFK.S	1514.904	0.00009	2	1	24.3	0
P12163_1_F4,23200	R.LGTFVFK.G	1419.882	0.00102	2	1	26.4	0
P12163_1_F5,21953	R.LGTFVFK.G	1419.882	0.00604	2	1	28.8	0
P12163_1_F7,20507	R.LGTFVFK.G	1419.882	0.00151	3	1	23.7	0
P12163_1_S10,2017	R.LGTFVFK.G	1419.882	0.00457	3	1	24.2	0
P12163_1_F4,8976	R.M*TGSQSVSADK.A	1734.915	0.01198	2	1	25.7	0
P12163_1_F4,9000	R.M*TGSQSVSADK.A	1734.915	0.00686	3	1	45.5	0
P12163_1_F4,11207	R.M*TGSQSVSADK.A	1734.915	0.00509	3	1	33.5	0
P12163_1_F4,11224	R.M*TGSQSVSADK.A	1734.915	0.00494	2	1	49.8	0
P12163_1_F9,8374	R.M*TGSQSVSADK.A	1734.915	0.00464	3	1	35.4	0
P12163_1_F9,10642	R.M*TGSQSVSADK.A	1734.915	0.00623	3	1	23.3	0
P12163_2_F1,10336	R.M*TGSQSVSADK.A	1734.915	0.00944	2	1	32.8	0
P12163_2_F1,10352	R.M*TGSQSVSADK.A	1734.915	0.0092	3	1	22.1	0
P12163_1_F4,9634	R.MTGSQSVSADK.A	1718.92	0.00407	3	1	29.8	0
P12163_1_F4,9743	R.MTGSQSVSADK.A	1718.92	0.00626	2	1	31.9	0
P12163_1_F4,11152	R.MTGSQSVSADK.A	1718.92	0.00824	3	1	44.4	0
P12163_1_F4,11154	R.MTGSQSVSADK.A	1718.92	0.01042	2	1	39.6	0
P12163_2_F1,8826	R.MTGSQSVSADK.A	1718.92	0.00524	3	1	24.1	0
P12163_2_F1,10280	R.MTGSQSVSADK.A	1718.92	0.00594	2	1	49.2	0
P12163_2_F1,10294	R.MTGSQSVSADK.A	1718.92	0.00599	3	1	41.6	0
P12163_2_F1,11027	R.MTGSQSVSADK.A	1718.92	0.00392	2	1	24	0
P12163_2_F8_12070	R.MTGSQSVSADK.A	1718.92	0.00506	3	1	23.6	0
P12163_1_F3,20158	R.VAADPQFPFK.V	1727.994	0.006	2	1	30.8	0
P12163_1_F3,20212	R.VAADPQFPFK.V	1727.994	0.00478	3	1	30	0
P12163_1_F3,23583	R.YQTLNGIEFLAK.S	2118.242	0.00319	3	1	28.2	0
P12163_1_F3,26651	R.YQTLNGIEFLAK.S	2118.242	0.00373	2	1	24.9	0
P12163_1_F3,26809	R.YQTLNGIEFLAK.S	2118.242	0.01279	3	1	42.5	0
P12163_1_F3,14215	K.ASDVPTSLSANK.D	1798.017	0.00471	2	1	30.2	0
P12163_1_F4,12855	K.ASDVPTSLSANK.D	1798.017	0.00507	3	1	36.3	0
P12163_1_F4,14642	K.ASDVPTSLSANK.D	1798.017	0.00483	2	1	40.6	0
P12163_1_F4,14658	K.ASDVPTSLSANK.D	1798.017	0.00876	3	1	49.3	0
P12163_2_F1,13732	K.ASDVPTSLSANK.D	1798.017	0.006	3	1	41.9	0
P12163_2_F1,13761	K.ASDVPTSLSANK.D	1798.017	0.00595	2	1	44.8	0
P12163_1_F4,13324	K.FEHHSVFPAR.T	1530.812	0.0049	4	1	36	0
P12163_1_F4,13326	K.FEHHSVFPAR.T	1530.812	0.00183	3	1	31.5	0
P12163_1_F4,13338	K.FEHHSVFPAR.T	1530.812	0.01009	2	1	25.4	0
P12163_2_S3,11618	K.FEHHSVFPAR.T	1530.812	0.00243	3	1	26.2	0
P12163_1_F4,19752	K.LNLAEIGPK.F	1562.973	0.01358	2	1	36.4	0
P12163_1_F4,19846	K.LNLAEIGPK.F	1562.973	0.01133	3	1	44.1	0
P12163_1_F4,19964	K.LNLAEIGPK.F	1562.973	0.01256	2	1	38.5	0
P12163_1_F4,20047	K.LNLAEIGPK.F	1562.973	0.00437	3	1	35	0
P12163_1_F4,20180	K.LNLAEIGPK.F	1562.973	0.0095	2	1	36.2	0
P12163_1_F4,20287	K.LNLAEIGPK.F	1562.973	0.00665	3	1	51	0
P12163_1_F5,18862	K.LNLAEIGPK.F	1562.973	0.00572	2	1	34.7	0
P12163_1_F5,18883	K.LNLAEIGPK.F	1562.973	0.00272	3	1	45.8	0
P12163_1_F7,17556	K.LNLAEIGPK.F	1562.973	0.0017	3	1	23.8	0
P12163_1_F7,17787	K.LNLAEIGPK.F	1562.973	0.00239	3	1	34.7	0
P12163_2_F1,19191	K.LNLAEIGPK.F	1562.973	0.00994	2	1	40	0

P12163_2_F1,19229 K.LNLAEIGPK.F	1562.973	0.00368	3	1	32.1	0
P12163_2_F1,19388 K.LNLAEIGPK.F	1562.973	0.00916	2	1	36.4	0
P12163_2_F1,19428 K.LNLAEIGPK.F	1562.973	0.00467	3	1	44.3	0
P12163_2_F1,19606 K.LNLAEIGPK.F	1562.973	0.00442	2	1	40.9	0
P12163_2_F1,19655 K.LNLAEIGPK.F	1562.973	0.00518	3	1	50.9	0
P12163_1_F3,13704 K.SELDVDGVK.W	1569.894	0.01121	2	1	36.9	0
P12163_1_F4,15122 K.SELDVDGVK.W	1569.894	0.00683	2	1	43.9	0
P12163_1_F7,13360 K.SELDVDGVK.W	1569.894	0.00179	3	1	23.7	0
P12163_2_F1,14062 K.SELDVDGVK.W	1569.894	0.00074	3	1	29.8	0
P12163_2_F1,14068 K.SELDVDGVK.W	1569.894	0.00349	2	1	41.1	0
P12163_1_F3,18477 K.VDMGEPILK.A	1609.944	0.0134	2	1	26.6	0
P12163_1_F3,18487 K.VDMGEPILK.A	1609.944	0.00791	3	1	43.9	0
P12163_1_F6,17535 K.YHGLGNDFILVDNR.N	1937.018	0.00222	3	1	30	0
P12163_1_F6,17581 K.YHGLGNDFILVDNR.N	1937.018	-0.00134	4	1	45.9	0
P12163_1_F6,19480 K.YHGLGNDFILVDNR.N	1937.018	0.00357	3	1	55.9	0
P12163_1_F6,19495 K.YHGLGNDFILVDNR.N	1937.018	0.00145	2	1	39.6	0
P12163_1_F8,19566 K.YHGLGNDFILVDNR.N	1937.018	0.00183	2	1	52.5	0
P12163_1_F8,19571 K.YHGLGNDFILVDNR.N	1937.018	0.00186	3	1	70.2	0
P12163_2_F4,17977 K.YHGLGNDFILVDNR.N	1937.018	-0.00135	3	1	30.4	0
P12163_2_F4,18244 K.YHGLGNDFILVDNR.N	1937.018	0.00477	3	1	24.3	0
P12163_2_F6,18975 K.YHGLGNDFILVDNR.N	1937.018	0.00561	3	1	67.4	0
P12163_2_F6,18984 K.YHGLGNDFILVDNR.N	1937.018	0.00777	2	1	53.2	0
P12163_2_F9,18072 K.YHGLGNDFILVDNR.N	1937.018	-0.00066	3	1	33	0
P12163_2_S5,16344 K.YHGLGNDFILVDNR.N	1937.018	0.00288	3	1	41.4	0
P12163_1_F6,18998 R.ESGFLHFVK.Y	1671.968	0.00659	2	1	37.3	0
P12163_1_F9,18538 R.ESGFLHFVK.Y	1671.968	0.00161	2	1	29.2	0
P12163_2_F6,18509 R.ESGFLHFVK.Y	1671.968	0.00272	3	1	28.8	0
P12163_2_F6,18532 R.ESGFLHFVK.Y	1671.968	0.00251	2	1	33.5	0
P12163_2_F7,16526 R.ESGFLHFVK.Y	1671.968	0.00585	2	1	39.9	0
P12163_1_F4,26429 R.FIAELENLNGK.Q	1856.074	0.00307	2	1	39	0
P12163_1_F4,26471 R.FIAELENLNGK.Q	1856.074	0.00664	3	1	45.4	0
P12163_1_F5,24271 R.FIAELENLNGK.Q	1856.074	0.01301	3	1	35.8	0
P12163_1_F7,22972 R.FIAELENLNGK.Q	1856.074	0.00178	3	1	40.5	0
P12163_2_F1,25345 R.FIAELENLNGK.Q	1856.074	0.00316	3	1	42.2	0
P12163_1_F2,19959 R.TNTEFVEIISPSQLK.M	2314.311	0.00741	3	1	32.6	0
P12163_1_F2,21845 R.TNTEFVEIISPSQLK.M	2314.311	0.00609	3	1	50.9	0
P12163_1_S1,24852 K.ANNLVFVSGVLGLVPI	2522.48	0.00743	3	1	35.9	0
P12163_1_S1,24886 K.ANNLVFVSGVLGLVPI	2522.48	0.00869	4	1	22	0
P12163_1_F3,17863 K.APAALGPYSQAIK.A	1895.121	0.00581	3	1	42	0
P12163_1_F3,17881 K.APAALGPYSQAIK.A	1895.121	0.00506	2	1	49.6	0
P12163_1_F4,18425 K.APAALGPYSQAIK.A	1895.121	0.00692	3	1	39.6	0
P12163_1_F6,17064 K.APAALGPYSQAIK.A	1895.121	0.00377	3	1	32	0
P12163_1_F6,17147 K.APAALGPYSQAIK.A	1895.121	-0.00076	2	1	28.3	0
P12163_1_F6,17580 K.APAALGPYSQAIK.A	1895.121	0.00329	3	1	23.4	0
P12163_1_F8,17438 K.APAALGPYSQAIK.A	1895.121	0.00587	3	1	33	0
P12163_1_S10,1657 K.APAALGPYSQAIK.A	1895.121	0.00176	3	1	30.5	0
P12163_2_F1,17704 K.APAALGPYSQAIK.A	1895.121	0.00557	3	1	37.1	0
P12163_2_F1,17764 K.APAALGPYSQAIK.A	1895.121	0.00472	2	1	47.3	0
P12163_2_F4,15862 K.APAALGPYSQAIK.A	1895.121	0.00074	3	1	33.9	0
P12163_2_F6,16996 K.APAALGPYSQAIK.A	1895.121	0.01214	2	1	32.3	0
P12163_2_F6,17024 K.APAALGPYSQAIK.A	1895.121	0.00662	3	1	47.8	0

P12163_2_F7,15290	K.APAALGPYSQAIK.A	1895.121	0.00132	2	1	63.2	0
P12163_2_F7,15326	K.APAALGPYSQAIK.A	1895.121	0.002	3	1	46.5	0
P12163_1_F4,10783	K.ASGADYSSVVK.T	1691.942	0.00825	2	1	30.8	0
P12163_1_F4,11788	K.ASGADYSSVVK.T	1691.942	0.00423	2	1	29.7	0
P12163_1_F4,13566	K.ASGADYSSVVK.T	1691.942	0.00507	2	1	56.6	0
P12163_1_F4,13576	K.ASGADYSSVVK.T	1691.942	0.00557	3	1	45.2	0
P12163_1_F4,23689	K.ASGADYSSVVK.T	1691.942	0.00458	3	1	22.7	0
P12163_1_F5,12240	K.ASGADYSSVVK.T	1691.942	0.00517	2	1	43.3	0
P12163_1_F7,11899	K.ASGADYSSVVK.T	1691.942	0.00182	3	1	35.3	0
P12163_1_F9,12999	K.ASGADYSSVVK.T	1691.942	0.00255	2	1	25.8	0
P12163_1_F9,13112	K.ASGADYSSVVK.T	1691.942	0.00506	3	1	27.3	0
P12163_2_F1,10822	K.EAVVTNK.A	1368.831	0.00619	3	1	29.8	0
P12163_1_S1,20423	K.FVSDTIEDQTEQVLK.N	2360.281	0.00391	2	1	27.8	0
P12163_1_S1,20525	K.FVSDTIEDQTEQVLK.N	2360.281	0.00951	3	1	25.1	0
P12163_2_F1,18005	K.NIGEILK.A	1394.883	0.00512	3	1	23.2	0
P12163_1_F4,23753	K.TTILLADLK.D	1596.019	0.00423	3	1	49.9	0
P12163_1_F4,23783	K.TTILLADLK.D	1596.019	0.00795	2	1	47.2	0
P12163_1_F5,22272	K.TTILLADLK.D	1596.019	0.00627	3	1	39.2	0
P12163_1_F6,21934	K.TTILLADLK.D	1596.019	0.003	3	1	38.8	0
P12163_1_F7,20803	K.TTILLADLK.D	1596.019	0.00264	3	1	39.6	0
P12163_1_F7,21253	K.TTILLADLK.D	1596.019	0.00432	3	1	38.2	0
P12163_1_S10,2024	K.TTILLADLK.D	1596.019	0.00645	3	1	24.6	0
P12163_2_F1,23149	K.TTILLADLK.D	1596.019	0.00552	3	1	43.1	0
P12163_2_F4,17177	K.TTILLADLK.D	1596.019	0.00072	3	1	23.8	0
P12163_2_F4,20657	K.TTILLADLK.D	1596.019	0.00615	3	1	34.2	0
P12163_2_F4,20663	K.TTILLADLK.D	1596.019	0.00287	2	1	35.5	0
P12163_2_S5,19889	K.TTILLADLK.D	1596.019	0.00318	3	1	38.3	0
P12163_2_S5,20382	K.TTILLADLK.D	1596.019	0.00876	3	1	28.1	0
P12163_1_F4,14731	K.TVNEIYAK.Y	1545.91	0.00412	2	1	34	0
P12163_1_F6,14259	K.TVNEIYAK.Y	1545.91	0.00988	2	1	25.4	0
P12163_2_F1,10644	K.TVNEIYAK.Y	1545.91	-0.00092	3	1	22.2	0
P12163_2_F1,13710	K.TVNEIYAK.Y	1545.91	0.01048	3	1	32.6	0
P12163_1_F5,18347	R.ATYQVAALPLDAR.V	1692.959	0.00159	2	1	27.7	0
P12163_1_F8,16696	R.ATYQVAALPLDAR.V	1692.959	-0.00063	2	1	30.8	0
P12163_1_F8,18936	R.ATYQVAALPLDAR.V	1692.959	0.00353	2	1	66.4	0
P12163_1_F8,18966	R.ATYQVAALPLDAR.V	1692.959	0.00246	3	1	35.7	0
P12163_2_F2,19056	R.ATYQVAALPLDAR.V	1692.959	-0.00025	2	1	48.5	0
P12163_2_F6,16161	R.ATYQVAALPLDAR.V	1692.959	0.00063	2	1	39.3	0
P12163_2_F6,16166	R.ATYQVAALPLDAR.V	1692.959	0.00213	3	1	58.7	0
P12163_2_F6,18503	R.ATYQVAALPLDAR.V	1692.959	0.00457	2	1	39.3	0
P12163_1_F9,14640	K.EHILLAK.Q	1431.914	0.00521	3	1	36.8	0
P12163_1_F9,14672	K.EHILLAK.Q	1431.914	0.00758	2	1	32.2	0
P12163_1_F9,14844	K.EHILLAK.Q	1431.914	0.005	3	1	36.5	0
P12163_1_F9,20064	K.EHILLAK.Q	1431.914	0.01007	3	1	26	0
P12163_2_F10,1310	K.EHILLAK.Q	1431.914	0.00116	3	1	26.2	0
P12163_2_F9,13773	K.EHILLAK.Q	1431.914	0.00569	3	1	37.1	0
P12163_1_F6,12884	K.KYDEIDAAPEER.A	2044.081	0.00618	3	1	39.3	0
P12163_1_F8,11740	K.KYDEIDAAPEER.A	2044.081	0.01176	2	1	32.2	0
P12163_1_F8,12727	K.KYDEIDAAPEER.A	2044.081	0.00132	2	1	38.8	0
P12163_1_F9,12845	K.KYDEIDAAPEER.A	2044.081	0.00351	3	1	30.8	0
P12163_2_F6,12270	K.KYDEIDAAPEER.A	2044.081	0.0009	3	1	30	0

P12163_2_F6,12279	K.KYDEIDAAPeer.A	2044.081	0.00542	2	1	41.3	0
P12163_1_F3,23963	K.QVGVPNM*VVFLNK.C	2069.204	0.00465	2	1	34.6	0
P12163_1_F3,23886	K.QVGVPNMVVFLNK.Q	2053.209	0.00335	2	1	24.6	0
P12163_1_F3,23899	K.QVGVPNMVVFLNK.Q	2053.209	0.00518	3	1	34.5	0
P12163_1_F2,20474	K.VGETVDLVGLK.E	1738.057	0.00494	3	1	38.5	0
P12163_1_F3,17757	K.VGETVDLVGLK.E	1738.057	0.00741	2	1	30.3	0
P12163_1_F3,17883	K.VGETVDLVGLK.E	1738.057	0.00425	3	1	23.6	0
P12163_1_F3,20886	K.VGETVDLVGLK.E	1738.057	0.00653	2	1	69	0
P12163_1_F4,21491	K.VGETVDLVGLK.E	1738.057	0.0011	3	1	42.2	0
P12163_1_F4,21517	K.VGETVDLVGLK.E	1738.057	-0.00017	2	1	66.6	0
P12163_1_F6,19780	K.VGETVDLVGLK.E	1738.057	0.00057	2	1	29.4	0
P12163_1_F6,19841	K.VGETVDLVGLK.E	1738.057	-0.00265	3	1	29.4	0
P12163_1_F7,19466	K.VGETVDLVGLK.E	1738.057	0.00944	3	1	44	0
P12163_2_F2,20489	K.VGETVDLVGLK.E	1738.057	-0.0016	3	1	32.6	0
P12163_2_F4,19038	K.VGETVDLVGLK.E	1738.057	0.00843	2	1	35.1	0
P12163_2_F4,19064	K.VGETVDLVGLK.E	1738.057	0.00299	3	1	36.7	0
P12163_1_F5,12363	R.GENQWVDK.I	1583.864	0.01429	2	1	31.8	0
P12163_2_F1,12655	R.GENQWVDK.I	1583.864	0.00719	2	1	35.7	0
P12163_2_F2,13089	R.GENQWVDK.I	1583.864	0.00787	2	1	39	0
P12163_1_F8,17660	R.GITINTATVEYETENR..	2115.087	0.00448	2	1	42.9	0
P12163_2_F6,17210	R.GITINTATVEYETENR..	2115.087	0.00124	2	1	51.2	0
P12163_2_F6,17218	R.GITINTATVEYETENR..	2115.087	-0.00119	3	1	37.9	0
P12163_1_F2,10182	R.HYAHVDCPGHADYVf	2377.197	0.00784	3	1	45.9	0
P12163_1_F3,10373	R.HYAHVDCPGHADYVf	2377.197	0.00901	3	1	24	0
P12163_2_F2,10303	R.HYAHVDCPGHADYVf	2377.197	0.00538	3	1	41.3	0
P12163_2_F2,10326	R.HYAHVDCPGHADYVf	2377.197	0.00593	4	1	34.3	0
P12163_2_S3,9628	R.HYAHVDCPGHADYVf	2377.197	0.00605	4	1	37.4	0
P12163_1_F3,18866	R.NFTVTGVEM*FQK.T	2025.094	0.00582	3	1	38.5	0
P12163_1_F3,18871	R.NFTVTGVEM*FQK.T	2025.094	0.00801	2	1	29.1	0
P12163_1_F4,19404	R.NFTVTGVEM*FQK.T	2025.094	-0.00045	2	1	39.1	0
P12163_1_F4,21968	R.NFTVTGVEM*FQK.T	2025.094	0.00981	3	1	36.1	0
P12163_1_F4,23042	R.NFTVTGVEM*FQK.T	2025.094	0.01773	3	1	55.4	0
P12163_1_F3,21321	R.NFTVTGVEMFQK.T	2009.099	0.00606	2	1	59.4	0
P12163_1_F3,21401	R.NFTVTGVEMFQK.T	2009.099	0.00603	3	1	61.9	0
P12163_1_F4,21960	R.NFTVTGVEMFQK.T	2009.099	0.00561	3	1	39.9	0
P12163_1_F4,21961	R.NFTVTGVEMFQK.T	2009.099	0.00078	2	1	49.9	0
P12163_2_F1,21503	R.NFTVTGVEMFQK.T	2009.099	0.00846	3	1	38.7	0
P12163_2_F1,21528	R.NFTVTGVEMFQK.T	2009.099	0.01138	2	1	51.3	0
P12163_1_F2,5121	R.TTDVTGR.V	1053.584	0.00391	3	1	25.2	0
P12163_1_F2,6507	R.TTDVTGR.V	1053.584	0.00355	3	1	29.4	0
P12163_1_F4,17723	K.AVNGLLTPK.N	1520.962	0.00634	3	1	36.5	0
P12163_1_F4,17736	K.AVNGLLTPK.N	1520.962	0.00548	2	1	27.7	0
P12163_2_F1,16834	K.AVNGLLTPK.N	1520.962	0.0044	2	1	38.2	0
P12163_1_S1,14581	K.GENLLEM*EPEER.S	1765.858	0.00686	2	1	27.3	0
P12163_1_S1,17217	K.GENLLEMPEER.S	1749.863	0.00257	2	1	35.1	0
P12163_1_S1,17234	K.GENLLEMPEER.S	1749.863	0.00165	3	1	39.6	0
P12163_1_F7,18278	K.GVNLLVNEGEVHAIM	2404.348	-0.00262	3	1	35.9	0
P12163_1_F7,18295	K.GVNLLVNEGEVHAIM	2404.348	0.00303	4	1	37.4	0
P12163_1_F7,20630	K.GVNLLVNEGEVHAIM	2404.348	0.01147	4	1	34.5	0
P12163_1_F7,20820	K.GVNLLVNEGEVHAIM	2404.348	0.00557	3	1	28	0
P12163_1_F8,19232	K.GVNLLVNEGEVHAIM	2404.348	0.00467	4	1	31.9	0

P12163_1_F8,21676	K.GVNLLVNEGEVHAIM	2404.348	0.00631	4	1	26.4	0
P12163_2_S5,17658	K.GVNLLVNEGEVHAIM	2404.348	0.00411	4	1	38.3	0
P12163_2_S5,17665	K.GVNLLVNEGEVHAIM	2404.348	-0.00385	3	1	51.7	0
P12163_1_F7,20651	K.GVNLLVNEGEVHAIM	2388.353	0.00482	3	1	68.1	0
P12163_1_F7,20668	K.GVNLLVNEGEVHAIM	2388.353	0.00292	4	1	48.9	0
P12163_2_S5,19975	K.GVNLLVNEGEVHAIM	2388.353	0.00812	4	1	23	0
P12163_2_S5,19993	K.GVNLLVNEGEVHAIM	2388.353	0.00743	3	1	42	0
P12163_1_F6,17358	K.NSLLM*ITHYR.R	1567.857	0.00217	3	1	30.8	0
P12163_1_F6,18591	K.NSLLM*ITHYR.R	1567.857	0.00346	3	1	33.6	0
P12163_2_F7,15186	K.NSLLM*ITHYR.R	1567.857	0.00091	3	1	32.6	0
P12163_2_F7,16001	K.NSLLM*ITHYR.R	1567.857	0.00136	3	1	34.7	0
P12163_2_S5,16020	K.NSLLM*ITHYR.R	1567.857	0.00022	3	1	29.5	0
P12163_1_F5,18374	K.NSLLMITHYR.R	1551.862	0.00259	3	1	24.6	0
P12163_1_F6,18598	K.NSLLMITHYR.R	1551.862	0.00316	3	1	55.7	0
P12163_2_F4,17326	K.NSLLMITHYR.R	1551.862	0.00283	3	1	52.3	0
P12163_2_F6,18052	K.NSLLMITHYR.R	1551.862	-0.00077	3	1	25.8	0
P12163_2_F7,16002	K.NSLLMITHYR.R	1551.862	-0.00083	3	1	31.1	0
P12163_2_S5,17290	K.NSLLMITHYR.R	1551.862	0.00022	3	1	51.9	0
P12163_1_S1,23712	K.SQPLLQVTGLTAVIAE	2463.464	0.00623	3	1	73.1	0
P12163_1_F5,5582	K.SSSDGQDEK.S	1560.796	0.0066	2	1	31	0
P12163_2_F1,5720	K.SSSDGQDEK.S	1560.796	0.00594	2	1	31.7	0
P12163_1_F2,15046	K.TGDASIATVLEEGGYK	2219.202	0.00791	3	1	30.4	0
P12163_1_F2,18999	K.TGDASIATVLEEGGYK	2219.202	0.00638	3	1	40.3	0
P12163_1_F2,20870	K.TGDASIATVLEEGGYK	2219.202	0.00443	3	1	57.2	0
P12163_1_F2,20894	K.TGDASIATVLEEGGYK	2219.202	0.00726	2	1	48.9	0
P12163_1_F8,20838	K.TGDASIATVLEEGGYK	2219.202	0.00671	3	1	50.9	0
P12163_2_F6,18441	K.TGDASIATVLEEGGYK	2219.202	0.00572	3	1	36.6	0
P12163_2_F6,20425	K.TGDASIATVLEEGGYK	2219.202	0.00371	3	1	45.4	0
P12163_1_F7,18887	K.VLVGHPDYEVTEGSV'	2583.428	-0.00102	3	1	32.8	0
P12163_2_F10,1740	K.VLVGHPDYEVTEGSV'	2583.428	0.0051	4	1	30.8	0
P12163_2_S5,18127	K.VLVGHPDYEVTEGSV'	2583.428	0.0051	4	1	22.9	0
P12163_2_S5,18140	K.VLVGHPDYEVTEGSV'	2583.428	0.00267	3	1	56.6	0
P12163_1_F3,9219	R.NVNEGFSGGER.K	1469.729	0.00455	3	1	40.9	0
P12163_1_F3,10487	R.NVNEGFSGGER.K	1469.729	0.00545	2	1	49.2	0
P12163_1_F4,10978	R.NVNEGFSGGER.K	1469.729	0.00502	2	1	31.8	0
P12163_2_F1,10054	R.NVNEGFSGGER.K	1469.729	0.00564	2	1	44.5	0
P12163_1_F4,13242	K.DVELQAK.V	1410.841	0.00651	2	1	33.2	0
P12163_1_F4,13291	K.DVELQAK.V	1410.841	0.00568	3	1	33.7	0
P12163_1_F5,11810	K.DVELQAK.V	1410.841	0.00717	2	1	32.6	0
P12163_1_F5,11827	K.DVELQAK.V	1410.841	0.00733	3	1	23.3	0
P12163_2_F1,12257	K.DVELQAK.V	1410.841	0.00631	2	1	33	0
P12163_2_F1,12273	K.DVELQAK.V	1410.841	0.00496	3	1	30.9	0
P12163_1_F4,7216	K.GCSFHR.I	1067.536	0.00407	3	1	23.9	0
P12163_1_F7,20472	K.HVGPGVLSM*ANAGP	3427.771	0.00805	4	1	40	0
P12163_1_F7,20485	K.HVGPGVLSM*ANAGP	3427.771	-0.01271	3	1	22.6	0
P12163_1_F7,20467	K.HVGPGVLSMANAGPN	3411.776	0.00781	4	1	30.3	0
P12163_1_F4,7410	K.TAENFR.Q ! K.TAENFF	1041.563	0.00249	3	1	33.7	0
P12163_2_F2,7039	K.TAENFR.Q ! K.TAENFF	1041.563	0.00225	3	1	31.4	0
P12163_2_F1,14987	K.TPWLDNR.H	1205.658	0.00268	2	1	26.8	0
P12163_1_F8,20834	K.VFFDVDIGGKPAGR.I	2086.191	0.00199	2	1	25.2	0
P12163_2_F6,20417	K.VFFDVDIGGKPAGR.I	2086.191	0.00172	3	1	26.7	0

P12163_2_F6,20448	K.VFFDVDIGGKPAGR.I	2086.191	0.00007	2	1	41.2	0
P12163_2_F8,12070	K.VFFDVDIGGKPAGR.I	2086.191	-0.00336	4	1	24.7	0
P12163_1_F5,9906	R.ALCTGEK.G	1386.787	0.00705	2	1	26.7	0
P12163_1_F6,10902	R.ALCTGEK.G	1386.787	0.01195	2	1	26.2	0
P12163_1_F8,10102	R.ALCTGEK.G	1386.787	0.00237	2	1	27.1	0
P12163_2_F2,10720	R.ALCTGEK.G	1386.787	0.00655	2	1	27	0
P12163_2_F2,10838	R.ALCTGEK.G	1386.787	0.00185	3	1	29.9	0
P12163_2_F2,11178	R.ALCTGEK.G	1386.787	0.00683	2	1	26.2	0
P12163_1_F7,15493	R.HVVFGHVIDGM*DVV	2000.069	0.00396	4	1	33.2	0
P12163_1_F7,15495	R.HVVFGHVIDGM*DVV	2000.069	-0.00026	3	1	51.5	0
P12163_1_F7,15532	R.HVVFGHVIDGM*DVV	2000.069	-0.00063	2	1	50.3	0
P12163_1_F7,17891	R.HVVFGHVIDGM*DVV	2000.069	0.00268	4	1	38.5	0
P12163_1_F7,17899	R.HVVFGHVIDGM*DVV	2000.069	0.00205	3	1	63.9	0
P12163_1_F8,89	R.HVVFGHVIDGM*DVV	2000.069	-0.00004	4	1	31.2	0
P12163_2_F10,1454	R.HVVFGHVIDGM*DVV	2000.069	0.00404	4	1	25.2	0
P12163_2_F10,1473	R.HVVFGHVIDGM*DVV	2000.069	0.00001	3	1	23.1	0
P12163_2_F10,1474	R.HVVFGHVIDGM*DVV	2000.069	0.00296	4	1	43.7	0
P12163_2_F10,1667	R.HVVFGHVIDGM*DVV	2000.069	0.00391	3	1	51.4	0
P12163_1_F7,17142	R.HVVFGHVIDGMDVVR	1984.074	0.00532	3	1	38.1	0
P12163_1_F7,17872	R.HVVFGHVIDGMDVVR	1984.074	0.00229	3	1	60.9	0
P12163_1_F7,17877	R.HVVFGHVIDGMDVVR	1984.074	0.00317	4	1	45.9	0
P12163_1_F7,17879	R.HVVFGHVIDGMDVVR	1984.074	-0.00319	2	1	47.4	0
P12163_2_F10,1663	R.HVVFGHVIDGMDVVR	1984.074	0.00001	4	1	49.5	0
P12163_2_F10,1663	R.HVVFGHVIDGMDVVR	1984.074	0.0016	3	1	74.9	0
P12163_1_F3,27145	R.IVM*GLFGDVVPK.T	1899.123	0.00897	3	1	44.5	0
P12163_1_F3,27124	R.IVMGLFGDVVPK.T	1883.128	0.00129	3	1	33.3	0
P12163_1_F3,24544	K.AGILGNM*QNLVETVI	2275.258	-0.0018	3	1	49.8	0
P12163_1_F3,21797	K.AGILGNMQNLYETVK	2259.263	0.0021	3	1	43	0
P12163_1_F3,24530	K.AGILGNMQNLYETVK	2259.263	0.00552	3	1	65.3	0
P12163_1_F3,24543	K.AGILGNMQNLYETVK	2259.263	0.00796	2	1	40.8	0
P12163_1_S1,13157	K.AQM*VVQVEAVR.V	1549.867	0.00481	2	1	30.9	0
P12163_1_S1,13191	K.AQM*VVQVEAVR.V	1549.867	0.00421	3	1	28	0
P12163_1_S1,17363	K.AQM*VVQVEAVR.V	1533.872	0.00718	3	1	55.8	0
P12163_1_S1,17457	K.AQM*VVQVEAVR.V	1533.872	0.00482	2	1	51.1	0
P12163_1_F2,21127	K.ELAAAEFDGYCEGELI	2523.29	0.00606	3	1	66.1	0
P12163_1_S1,20314	K.ELAAAEFDGYCEGELI	2523.29	0.00588	3	1	44.3	0
P12163_1_S10,1963	K.ELAAAEFDGYCEGELI	2523.29	0.00264	3	1	42.9	0
P12163_1_F8,16069	K.KAQM*VVQVEAVR.V	1966.173	0.00615	3	1	29.5	0
P12163_1_F4,25677	K.LSLLVTEAYK.D	1745.067	0.00545	3	1	49.6	0
P12163_1_F4,25973	K.LSLLVTEAYK.D	1745.067	0.01895	3	1	23.1	0
P12163_1_F6,23331	K.LSLLVTEAYK.D	1745.067	-0.00091	3	1	30.5	0
P12163_1_F7,22495	K.LSLLVTEAYK.D	1745.067	0.0038	3	1	39.4	0
P12163_2_F1,24932	K.LSLLVTEAYK.D	1745.067	0.00449	3	1	35.6	0
P12163_2_F9,21556	K.LSLLVTEAYK.D	1745.067	0.00701	3	1	47.5	0
P12163_2_F2,15208	K.SVLAMK.E	1256.786	0.00373	3	1	27.8	0
P12163_1_F2,9087	K.VTLSGNQPPVR.T	1502.859	0.00279	3	1	35.7	0
P12163_1_F2,10150	K.VTLSGNQPPVR.T	1502.859	0.00288	3	1	49.2	0
P12163_1_F2,12220	K.VTLSGNQPPVR.T	1502.859	0.00312	2	1	28.1	0
P12163_1_F2,13056	K.VTLSGNQPPVR.T	1502.859	0.00309	3	1	26.5	0
P12163_1_F3,10449	K.VTLSGNQPPVR.T	1502.859	0.00381	3	1	38.7	0
P12163_2_F1,11942	K.VTLSGNQPPVR.T	1502.859	0.00388	2	1	25.4	0

P12163_1_S1,17871	R.M*SDLAQSLGM*PQGI	2602.368	0.00956	3	1	54.7	0
P12163_1_S1,20439	R.M*SDLAQSLGMPQGL	2586.373	0.00596	3	1	42.4	0
P12163_1_S1,20502	R.M*SDLAQSLGMPQGL	2586.373	0.01052	4	1	33.4	0
P12163_1_S1,20845	R.MSDLAQSLGM*PQGL	2586.373	0.01184	3	1	37.3	0
P12163_1_S1,20910	R.MSDLAQSLGM*PQGL	2586.373	0.00712	4	1	72.2	0
P12163_1_S1,23303	R.MSDLAQSLGMPQGLS	2570.378	0.00822	3	1	49.1	0
P12163_1_F3,21556	R.TEITEAAM*ELGAEK.I	2117.126	0.00763	3	1	32.3	0
P12163_1_F2,20964	R.TEITEAAMELGAEK.L	2101.131	-0.00038	3	1	49.8	0
P12163_1_F3,17445	R.TEITEAAMELGAEK.L	2101.131	0.00822	4	1	29.8	0
P12163_1_F3,21586	R.TEITEAAMELGAEK.L	2101.131	0.00844	2	1	106	0
P12163_1_F3,21699	R.TEITEAAMELGAEK.L	2101.131	0.00679	3	1	50	0
P12163_1_F6,12278	K.AEYDESGPSIVHR.K	1763.887	0.00008	3	1	30.4	0
P12163_1_F2,10830	K.AGFAGDDAPR.A	1280.654	-0.00217	2	1	48.1	0
P12163_1_F3,10024	K.DAYVGDEAQSK.R	1790.938	0.00469	2	1	38.1	0
P12163_1_F3,11353	K.DAYVGDEAQSK.R	1790.938	0.00709	2	1	49.5	0
P12163_1_F4,11889	K.DAYVGDEAQSK.R	1790.938	0.00657	3	1	49.8	0
P12163_1_F4,11897	K.DAYVGDEAQSK.R	1790.938	0.00725	2	1	51.3	0
P12163_1_F9,11224	K.DAYVGDEAQSK.R	1790.938	0.00867	2	1	46	0
P12163_1_F9,11234	K.DAYVGDEAQSK.R	1790.938	0.00411	3	1	37.6	0
P12163_1_F3,15889	K.EITALAPSSM*K.I ! R.E	1772.008	0.00352	2	1	27.6	0
P12163_1_F3,15905	K.EITALAPSSM*K.I ! R.E	1772.008	0.00533	3	1	28.8	0
P12163_1_F3,18111	K.EITALAPSSMK.I ! R.EI	1756.013	0.00926	2	1	29	0
P12163_1_F3,18164	K.EITALAPSSMK.I ! R.EI	1756.013	0.00566	3	1	48.2	0
P12163_1_F4,18691	K.EITALAPSSMK.I ! R.EI	1756.013	0.00059	3	1	39.2	0
P12163_1_F4,18713	K.EITALAPSSMK.I ! R.EI	1756.013	-0.00198	2	1	35.4	0
P12163_1_F6,17407	K.EITALAPSSMK.I ! R.EI	1756.013	0.00551	3	1	34.2	0
P12163_2_F1,17957	K.EITALAPSSMK.I ! R.EI	1756.013	0.00556	2	1	32.7	0
P12163_2_F4,16193	K.EITALAPSSMK.I ! R.EI	1756.013	-0.00106	3	1	23.2	0
P12163_1_F8,18239	K.YPIEHGIVSNWDDM*E	2557.285	0.01088	3	1	23.6	0
P12163_1_F8,19866	K.YPIEHGIVSNWDDMEF	2541.29	0.00746	3	1	43.2	0
P12163_1_F3,18572	R.DLTDALMK.I	1514.871	0.0072	3	1	27	0
P12163_1_F3,18594	R.DLTDALMK.I	1514.871	0.00582	2	1	45.6	0
P12163_1_F4,19125	R.DLTDALMK.I	1514.871	0.00804	2	1	45.7	0
P12163_1_F4,19127	R.DLTDALMK.I	1514.871	0.00714	3	1	24.6	0
P12163_2_F2,18362	R.GILTLK.Y	1252.845	0.01049	3	1	24.7	0
P12163_1_F9,10832	R.HTGVM*VGMGQK.D	1768.966	0.00474	3	1	37.8	0
P12163_1_F9,12476	R.HTGVM*VGMGQK.D	1768.966	0.00468	3	1	26.2	0
P12163_2_F9,11611	R.HTGVM*VGMGQK.D	1768.966	-0.00204	3	1	32.8	0
P12163_2_F9,9362	R.HTGVMVGM*GQK.D	1768.966	0.00462	3	1	30.4	0
P12163_1_F9,12458	R.HTGVMVGMGQK.D	1752.971	0.0048	3	1	33.7	0
P12163_1_F9,12464	R.HTGVMVGMGQK.D	1752.971	0.00666	2	1	43.4	0
P12163_2_F9,11573	R.HTGVMVGMGQK.D	1752.971	-0.00741	3	1	52.2	0
P12163_1_F6,17635	R.VAPEEHPVLLTEAPLN	2562.475	0.0064	3	1	31.9	0
P12163_1_F6,18724	R.VAPEEHPVLLTEAPLN	2562.475	0.00334	3	1	27.1	0
P12163_2_F4,17600	R.VAPEEHPVLLTEAPLN	2562.475	0.0013	3	1	23.6	0
P12163_2_S5,16756	R.VAPEEHPVLLTEAPLN	2562.475	0.00576	4	1	22.5	0
P12163_2_S5,16796	R.VAPEEHPVLLTEAPLN	2562.475	0.00586	3	1	53	0
P12163_1_F2,10830	K.AGFAGDDAPR.A	1280.654	-0.00217	2	1	48.1	0
P12163_1_F3,10024	K.DAYVGDEAQSK.R	1790.938	0.00469	2	1	38.1	0
P12163_1_F3,11353	K.DAYVGDEAQSK.R	1790.938	0.00709	2	1	49.5	0
P12163_1_F4,11889	K.DAYVGDEAQSK.R	1790.938	0.00657	3	1	49.8	0

P12163_1_F4,11897	K.DAYVVGDEAQS.K.R	1790.938	0.00725	2	1	51.3	0
P12163_1_F9,11224	K.DAYVVGDEAQS.K.R	1790.938	0.00867	2	1	46	0
P12163_1_F9,11234	K.DAYVVGDEAQS.K.R	1790.938	0.00411	3	1	37.6	0
P12163_1_F3,15889	K.EITALAPSSM*K.I ! R.E	1772.008	0.00352	2	1	27.6	0
P12163_1_F3,15905	K.EITALAPSSM*K.I ! R.E	1772.008	0.00533	3	1	28.8	0
P12163_1_F3,18111	K.EITALAPSSM.K.I ! R.EI	1756.013	0.00926	2	1	29	0
P12163_1_F3,18164	K.EITALAPSSM.K.I ! R.EI	1756.013	0.00566	3	1	48.2	0
P12163_1_F4,18691	K.EITALAPSSM.K.I ! R.EI	1756.013	0.00059	3	1	39.2	0
P12163_1_F4,18713	K.EITALAPSSM.K.I ! R.EI	1756.013	-0.00198	2	1	35.4	0
P12163_1_F6,17407	K.EITALAPSSM.K.I ! R.EI	1756.013	0.00551	3	1	34.2	0
P12163_2_F1,17957	K.EITALAPSSM.K.I ! R.EI	1756.013	0.00556	2	1	32.7	0
P12163_2_F4,16193	K.EITALAPSSM.K.I ! R.EI	1756.013	-0.00106	3	1	23.2	0
P12163_2_F2,8267	K.SSSAVEK.S	1315.768	0.01023	2	1	24	0
P12163_1_F8,18239	K.YPIEHGIVSNWDDM*E	2557.285	0.01088	3	1	23.6	0
P12163_1_F8,19866	K.YPIEHGIVSNWDDMEK	2541.29	0.00746	3	1	43.2	0
P12163_1_F3,18572	R.DLTDALMK.I	1514.871	0.0072	3	1	27	0
P12163_1_F3,18594	R.DLTDALMK.I	1514.871	0.00582	2	1	45.6	0
P12163_1_F4,19125	R.DLTDALMK.I	1514.871	0.00804	2	1	45.7	0
P12163_1_F4,19127	R.DLTDALMK.I	1514.871	0.00714	3	1	24.6	0
P12163_2_F2,18362	R.GILTLK.Y	1252.845	0.01049	3	1	24.7	0
P12163_1_F9,10832	R.HTGVM*VGMGQK.D	1768.966	0.00474	3	1	37.8	0
P12163_1_F9,12476	R.HTGVM*VGMGQK.D	1768.966	0.00468	3	1	26.2	0
P12163_2_F9,11611	R.HTGVM*VGMGQK.D	1768.966	-0.00204	3	1	32.8	0
P12163_2_F9,9362	R.HTGVMVGM*GQK.D	1768.966	0.00462	3	1	30.4	0
P12163_1_F9,12458	R.HTGVMVGMGQK.D	1752.971	0.0048	3	1	33.7	0
P12163_1_F9,12464	R.HTGVMVGMGQK.D	1752.971	0.00666	2	1	43.4	0
P12163_2_F9,11573	R.HTGVMVGMGQK.D	1752.971	-0.00741	3	1	52.2	0
P12163_1_F6,17635	R.VAPEEHPVLLTEAPLN	2562.475	0.0064	3	1	31.9	0
P12163_1_F6,18724	R.VAPEEHPVLLTEAPLN	2562.475	0.00334	3	1	27.1	0
P12163_2_F4,17600	R.VAPEEHPVLLTEAPLN	2562.475	0.0013	3	1	23.6	0
P12163_2_S5,16756	R.VAPEEHPVLLTEAPLN	2562.475	0.00576	4	1	22.5	0
P12163_2_S5,16796	R.VAPEEHPVLLTEAPLN	2562.475	0.00586	3	1	53	0
P12163_2_F7,6136	K.AEDEEHK.K	1465.774	0.00422	2	1	26.2	0
P12163_1_F5,11319	K.CMEPVEK.C	1500.801	0.00642	2	1	25.4	0
P12163_1_F3,19020	K.EIAEAYLGTTIK.N	1917.115	0.00194	2	1	43.6	0
P12163_1_F3,20551	K.EIAEAYLGTTIK.N	1917.115	0.0035	2	1	62.2	0
P12163_1_F3,20570	K.EIAEAYLGTTIK.N	1917.115	0.00445	3	1	48.6	0
P12163_2_F1,11800	K.LPAADK.Q	1222.762	0.00268	3	1	22.4	0
P12163_1_F3,17989	K.NALENYAYNMR.N	1662.821	0.00301	2	1	33.4	0
P12163_1_F9,17110	K.NALENYAYNMR.N	1662.821	-0.00229	2	1	36.7	0
P12163_2_F1,17641	K.NALENYAYNMR.N	1662.821	0.00091	2	1	31.7	0
P12163_2_F9,16815	K.NALENYAYNMR.N	1662.821	0.00245	2	1	38.5	0
P12163_2_F9,16832	K.NALENYAYNMR.N	1662.821	0.00103	3	1	34	0
P12163_1_F8,18778	K.NAVVTVPAYFNDSQR	1985.039	-0.00348	2	1	30.4	0
P12163_1_F8,18854	K.NAVVTVPAYFNDSQR	1985.039	0.00299	3	1	33.4	0
P12163_1_S1,17806	K.NAVVTVPAYFNDSQR	1985.039	0.01346	2	1	36.9	0
P12163_1_S1,17812	K.NAVVTVPAYFNDSQR	1985.039	0.00257	3	1	27.2	0
P12163_2_F6,18372	K.NAVVTVPAYFNDSQR	1985.039	0.00464	2	1	47.4	0
P12163_2_F6,18440	K.NAVVTVPAYFNDSQR	1985.039	-0.00088	3	1	39.9	0
P12163_1_F4,14347	K.SSVHDVVLVGGSTR.I	1716.955	0.00968	3	1	41.2	0
P12163_1_F4,14348	K.SSVHDVVLVGGSTR.I	1716.955	0.00904	2	1	63.8	0

P12163_1_F6,13771	K.SSVHDVVLVGGSTR.I	1716.955	0.00268	2	1	40.6	0
P12163_1_F7,13090	K.SSVHDVVLVGGSTR.I	1716.955	0.00387	3	1	28	0
P12163_2_F6,13064	K.SSVHDVVLVGGSTR.I	1716.955	0.0003	3	1	30.2	0
P12163_2_F9,12613	K.SSVHDVVLVGGSTR.I	1716.955	0.03138	2	1	24.2	0
P12163_1_S1,23194	R.FEELNM*DLFR.K	1633.82	0.00103	3	1	40.2	0
P12163_1_S1,23396	R.FEELNM*DLFR.K	1633.82	0.00348	2	1	42.5	0
P12163_1_S1,23417	R.FEELNM*DLFR.K	1633.82	0.00235	3	1	57.6	0
P12163_1_F2,22404	R.IINEPTAAAIAAYGLDK.I	2268.306	0.00735	3	1	45.2	0
P12163_1_F4,23908	R.IINEPTAAAIAAYGLDK.I	2268.306	0.00405	3	1	59.2	0
P12163_1_F5,22034	R.IINEPTAAAIAAYGLDK.I	2268.306	0.00048	3	1	35.6	0
P12163_1_F8,22408	R.IINEPTAAAIAAYGLDK.I	2268.306	0.00681	3	1	49.7	0
P12163_1_S1,21321	R.IINEPTAAAIAAYGLDK.I	2268.306	0.00492	3	1	53.3	0
P12163_1_S1,21346	R.IINEPTAAAIAAYGLDK.I	2268.306	-0.00297	2	1	75.2	0
P12163_1_S1,21375	R.IINEPTAAAIAAYGLDK.I	2268.306	0.00752	4	1	61	0
P12163_1_S1,21490	R.IINEPTAAAIAAYGLDK.I	2268.306	0.0003	3	1	54.8	0
P12163_1_S10,2039	R.IINEPTAAAIAAYGLDK.I	2268.306	0.00414	3	1	22.1	0
P12163_1_F5,12765	K.ATVLANK.R	1324.841	0.00583	2	1	28.3	0
P12163_1_F8,20923	K.EGIAPINLVVEHELHR.	2130.197	0.00418	3	1	31.5	0
P12163_1_F8,20968	K.EGIAPINLVVEHELHR.	2130.197	0.0025	4	1	41.8	0
P12163_1_S10,1934	K.EGIAPINLVVEHELHR.	2130.197	0.00022	4	1	43.4	0
P12163_1_S10,1938	K.EGIAPINLVVEHELHR.	2130.197	0.00333	3	1	73.9	0
P12163_1_S10,1952	K.EGIAPINLVVEHELHR.	2130.197	0.0017	4	1	38.5	0
P12163_2_F10,1822	K.EGIAPINLVVEHELHR.	2130.197	0.0019	4	1	40.8	0
P12163_2_F10,1822	K.EGIAPINLVVEHELHR.	2130.197	0.00457	3	1	45.6	0
P12163_2_F10,1841	K.EGIAPINLVVEHELHR.	2130.197	0.00198	4	1	42.7	0
P12163_2_F10,1841	K.EGIAPINLVVEHELHR.	2130.197	0.00229	3	1	77.1	0
P12163_2_F10,1891	K.EGIAPINLVVEHELHR.	2130.197	0.00038	4	1	27.2	0
P12163_2_F8_1207	K.EGIAPINLVVEHELHR.	2130.197	-0.00014	4	1	24.9	0
P12163_1_F4,15935	K.GNVISTPAIK.G	1607.994	-0.00613	2	1	35.8	0
P12163_2_F1,15117	K.GNVISTPAIK.G	1607.994	0.00903	2	1	34.1	0
P12163_2_F1,15339	K.GNVISTPAIK.G	1607.994	0.00347	2	1	34.1	0
P12163_1_F2,13877	K.GTILPGITR.K	1231.768	0.00348	3	1	26.4	0
P12163_1_F8,18657	K.GYSDVLYLDCVHK.R	2177.152	0.00804	2	1	68.4	0
P12163_2_F4,17410	K.GYSDVLYLDCVHK.R	2177.152	0.00536	3	1	37.8	0
P12163_2_F6,18180	K.GYSDVLYLDCVHK.R	2177.152	0.00296	3	1	33.4	0
P12163_2_F6,18202	K.GYSDVLYLDCVHK.R	2177.152	0.00042	2	1	36.3	0
P12163_2_S5,17452	K.GYSDVLYLDCVHK.R	2177.152	0.00869	3	1	43.1	0
P12163_2_S5,17465	K.GYSDVLYLDCVHK.R	2177.152	0.00035	4	1	27.8	0
P12163_2_S5,18237	K.QDGNILLFRPEENAMF	2207.154	0.00213	3	1	23.5	0
P12163_1_F9,18258	K.TIGNYAAVLK.A	1658.01	0.00679	2	1	33.4	0
P12163_1_F9,18260	K.TIGNYAAVLK.A	1658.01	0.00428	3	1	26.3	0
P12163_2_F1,18789	K.TIGNYAAVLK.A	1658.01	-0.00089	2	1	31.3	0
P12163_2_F1,19072	K.TIGNYAAVLK.A	1658.01	0.00741	2	1	48.5	0
P12163_2_F9,17020	K.TIGNYAAVLK.A	1658.01	0.00479	3	1	25.4	0
P12163_2_F9,17031	K.TIGNYAAVLK.A	1658.01	0.00555	2	1	38.7	0
P12163_1_F5,8144	R.ATPGGTGGVK.T ! R.A'	1452.863	0.00021	2	1	36.5	0
P12163_2_F1,8811	R.ATPGGTGGVK.T ! R.A'	1452.863	0.00601	2	1	36.4	0
P12163_2_F1,8815	R.ATPGGTGGVK.T ! R.A'	1452.863	0.00939	3	1	24.7	0
P12163_2_F2,9025	R.ATPGGTGGVK.T ! R.A'	1452.863	0.00783	2	1	36.5	0
P12163_1_F3,24151	R.YLEEVSSCNIFVVK.G	2295.251	0.00367	3	1	48.5	0
P12163_2_F4,12764	K.AAASGSPSSPSSETSNS	3526.823	-0.0012	4	1	46.5	0

P12163_1_F2,13375	K.ADIYTLR.K	1242.7	0.00299	3	1	26.7	0
P12163_1_F6,18001	K.ATALALVQHPVVNSS	2127.165	0.00224	3	1	37.1	0
P12163_1_F7,13433	K.ATALALVQHPVVNSS	2127.165	0.00005	4	1	23.9	0
P12163_1_F7,17108	K.ATALALVQHPVVNSS	2127.165	-0.011	2	1	56	0
P12163_2_S5,16222	K.ATALALVQHPVVNSS	2127.165	-0.00331	2	1	56.8	0
P12163_1_F4,16858	K.GVTM*TALLAK.A	1628.987	0.003	3	1	22.3	0
P12163_1_F6,19816	K.GVTM*TALLAK.A	1628.987	-0.00063	3	1	26.6	0
P12163_1_F7,19003	K.GVTM*TALLAK.A	1628.987	-0.0006	3	1	32.4	0
P12163_1_F7,19446	K.GVTM*TALLAK.A	1628.987	0.00531	3	1	23.8	0
P12163_1_F4,21445	K.GVTMTALLAK.A	1612.992	0.0069	3	1	28.4	0
P12163_2_F1,20941	K.GVTMTALLAK.A	1612.992	0.00563	2	1	59.7	0
P12163_2_F1,20946	K.GVTMTALLAK.A	1612.992	0.00414	3	1	25.4	0
P12163_1_F6,16803	K.LAEPAAVTVGSVHP	2556.424	0.00423	3	1	57.4	0
P12163_1_F6,16808	K.LAEPAAVTVGSVHP	2556.424	0.00469	4	1	22.9	0
P12163_2_F10,1482	K.LAEPAAVTVGSVHP	2556.424	0.00489	3	1	43.4	0
P12163_2_F10,1483	K.LAEPAAVTVGSVHP	2556.424	0.00125	4	1	27.7	0
P12163_2_F8_12070	K.LAEPAAVTVGSVHP	2556.424	0.00396	3	1	29.9	0
P12163_2_S5,15131	K.LAEPAAVTVGSVHP	2556.424	0.00653	4	1	31.4	0
P12163_2_S5,15225	K.LAEPAAVTVGSVHP	2556.424	0.01035	3	1	69	0
P12163_1_F8,7876	K.NQM*QVNVTDHR.V	1732.87	0.00154	3	1	45.1	0
P12163_2_F6,7894	K.NQM*QVNVTDHR.V	1732.87	0.00226	3	1	35.7	0
P12163_2_F6,10437	K.NQM*QVNVTDHR.V	1732.87	0.0031	3	1	50	0
P12163_2_F6,10445	K.NQM*QVNVTDHR.V	1732.87	0.00157	2	1	30.2	0
P12163_1_F8,10561	K.NMQVNVTDHR.V	1716.875	0.00555	2	1	38.1	0
P12163_1_F8,10564	K.NMQVNVTDHR.V	1716.875	0.00175	3	1	24.7	0
P12163_1_S1,18408	R.EIFM*PALSSTMTEGK	2266.192	0.0102	3	1	35	0
P12163_1_S1,21256	R.EIFMPALSSTMTEGK.I	2250.197	-0.00357	3	1	46.7	0
P12163_1_S1,21418	R.EIFMPALSSTMTEGK.I	2250.197	-0.0012	3	1	66.9	0
P12163_1_S1,17558	R.NMVESLAVPTFR.V	1667.909	0.00308	3	1	45	0
P12163_1_S1,20405	R.NMVESLAVPTFR.V	1667.909	-0.00493	2	1	26.4	0
P12163_1_S1,20412	R.NMVESLAVPTFR.V	1667.909	0.00533	3	1	27	0
P12163_1_F5,9460	R.VVGSQPK.G	1251.788	0.01432	3	1	27.1	0
P12163_2_F2,10313	R.VVGSQPK.G	1251.788	0.00163	3	1	31.9	0
P12163_1_F2,14139	K.AVILQPDR.V	1215.736	0.00045	2	1	28.2	0
P12163_1_S1,13640	K.AVILQPDR.V	1215.736	0.00267	2	1	35.6	0
P12163_1_F8,15272	K.AVKPVLVAGPK.M	1991.314	0.00791	3	1	32	0
P12163_2_F10,1983	K.KDCLCFIEVLVHK.D	2573.471	0.00898	4	1	42.8	0
P12163_1_F3,8961	K.SNTTAYENYHR.I	1659.803	0.00281	3	1	35	0
P12163_1_F4,9452	K.SNTTAYENYHR.I	1659.803	0.00551	2	1	61.6	0
P12163_1_F6,9161	K.SNTTAYENYHR.I	1659.803	-0.00543	2	1	36.6	0
P12163_1_F6,9167	K.SNTTAYENYHR.I	1659.803	-0.00824	3	1	54.7	0
P12163_1_F9,8780	K.SNTTAYENYHR.I	1659.803	0.00311	3	1	38.5	0
P12163_2_F4,8279	K.SNTTAYENYHR.I	1659.803	-0.00803	3	1	42.3	0
P12163_2_F7,8313	K.SNTTAYENYHR.I	1659.803	0.00106	3	1	47.7	0
P12163_2_S3,8795	K.SNTTAYENYHR.I	1659.803	0.00223	3	1	62.3	0
P12163_2_S5,9200	K.SNTTAYENYHR.I	1659.803	0.00241	3	1	35.6	0
P12163_2_F10,1845	R.ILHHTIGLPDFSQELR.C	2180.213	0.00237	4	1	36	0
P12163_2_F10,1847	R.ILHHTIGLPDFSQELR.C	2180.213	0.00382	3	1	39	0
P12163_1_F3,15882	R.IYVPEGQPPK.C	1736.02	0.01	2	1	28.5	0
P12163_1_F3,15897	R.IYVPEGQPPK.C	1736.02	0.0034	3	1	31.5	0
P12163_1_F3,16136	R.IYVPEGQPPK.C	1736.02	0.00524	2	1	25.5	0

P12163_1_F4,16395	R.IYVPEGQPPK.C	1736.02	0.01438	2	1	30.3	0
P12163_1_F4,16450	R.IYVPEGQPPK.C	1736.02	0.01414	3	1	41.5	0
P12163_1_F9,15488	R.IYVPEGQPPK.C	1736.02	0.0126	2	1	24.9	0
P12163_1_F9,15503	R.IYVPEGQPPK.C	1736.02	0.00835	3	1	41.1	0
P12163_2_F1,15534	R.IYVPEGQPPK.C	1736.02	0.00562	2	1	33	0
P12163_2_F1,15535	R.IYVPEGQPPK.C	1736.02	0.00592	3	1	33.4	0
P12163_2_F9,14185	R.IYVPEGQPPK.C	1736.02	0.00496	2	1	27.4	0
P12163_2_F6,20063	R.VNVLFQHIQK.M	1834.116	0.00321	3	1	33.5	0
P12163_2_F7,18115	R.VNVLFQHIQK.M	1834.116	0.00429	3	1	22	0
P12163_1_F3,9602	R.VSAANSRPPNPQ.-	1541.834	0.00478	2	1	42.5	0
P12163_1_F3,9835	R.VSAANSRPPNPQ.-	1541.834	0.0043	2	1	26.7	0
P12163_2_F1,9306	R.VSAANSRPPNPQ.-	1541.834	0.00324	2	1	34.2	0
P12163_1_F2,21112	R.VVIANGPAFGCVLM* k	2200.244	0.00329	3	1	46.8	0
P12163_1_F2,22562	R.VVIANGPAFGCVLM* k	2200.244	0.00608	3	1	47.3	0
P12163_1_F6,17528	K.AYETATTAEEADLPP1	2429.261	0.01254	3	1	58.5	0
P12163_1_F6,17591	K.AYETATTAEEADLPP1	2429.261	0.00329	2	1	27.8	0
P12163_1_F6,17746	K.AYETATTAEEADLPP1	2429.261	0.00102	3	1	62.3	0
P12163_1_F7,16661	K.AYETATTAEEADLPP1	2429.261	0.00612	3	1	57.7	0
P12163_1_F7,16877	K.AYETATTAEEADLPP1	2429.261	0.00252	3	1	58.7	0
P12163_2_F10,1583	K.AYETATTAEEADLPP1	2429.261	-0.00087	3	1	71.2	0
P12163_2_F10,1605	K.AYETATTAEEADLPP1	2429.261	0.00171	3	1	38.2	0
P12163_2_S5,16238	K.AYETATTAEEADLPP1	2429.261	0.00024	3	1	49.4	0
P12163_2_S5,16457	K.AYETATTAEEADLPP1	2429.261	0.00075	3	1	48.9	0
P12163_1_S1,19084	K.DSTLIMQLLR.D	1493.866	-0.00037	3	1	24	0
P12163_1_F5,6939	K.GNEVNAK.R	1339.779	0.00716	2	1	25	0
P12163_2_F2,7678	K.GNEVNAK.R	1339.779	0.00816	2	1	28.4	0
P12163_2_F2,7911	K.GNEVNAK.R	1339.779	0.01196	2	1	26.8	0
P12163_2_F1,9483	K.LAEQAER.Y ! R.LAEQ.	1120.626	0.00298	2	1	24.7	0
P12163_1_F5,16310	R.ENFVYVAK.L	1577.915	0.00683	2	1	29	0
P12163_2_F1,16652	R.ENFVYVAK.L	1577.915	0.00899	2	1	29.5	0
P12163_1_F4,20959	R.IISSIEQK.E ! R.ILSSIEQ	1525.941	0.01597	2	1	28	0
P12163_1_F5,18516	R.IISSIEQK.E ! R.ILSSIEQ	1525.941	0.00793	2	1	32.8	0
P12163_1_F5,19572	R.IISSIEQK.E ! R.ILSSIEQ	1525.941	0.00666	3	1	29.6	0
P12163_1_F5,19600	R.IISSIEQK.E ! R.ILSSIEQ	1525.941	0.00717	2	1	38.4	0
P12163_2_F1,20030	R.IISSIEQK.E ! R.ILSSIEQ	1525.941	0.00227	2	1	27.6	0
P12163_2_F1,20062	R.IISSIEQK.E ! R.ILSSIEQ	1525.941	0.00678	3	1	21.9	0
P12163_1_F5,17036	R.NLLSVGYK.N	1501.92	0.00804	3	1	23.7	0
P12163_2_F2,17807	R.NLLSVGYK.N	1501.92	0.00851	2	1	26.5	0
P12163_2_F2,17830	R.NLLSVGYK.N	1501.92	0.00036	3	1	24.9	0
P12163_1_F4,19309	R.YDEMVDAM*K.K ! R.Y	1725.865	0.00696	3	1	28.5	0
P12163_1_F4,19295	R.YDEMVDAMK.K ! R.Y	1709.87	0.00636	3	1	23.5	0
P12163_2_F9,17466	R.YDEMVDAMK.K ! R.Y	1709.87	0.00438	3	1	39.3	0
P12163_1_S10,1839	R.YLAEFK.V ! R.YLAEFK	1378.819	0.0079	3	1	24	0
P12163_2_F8_1207	R.YLAEFK.V ! R.YLAEFK	1378.819	0.00689	3	1	22.1	0
P12163_2_F8_1207	R.YLAEFK.V ! R.YLAEFK	1378.819	0.0056	3	1	22.9	0
P12163_1_S1,15234	K.EAVYGLTEISR.E	1541.848	0.00083	3	1	30	0
P12163_1_S1,17645	K.EAVYGLTEISR.E	1541.848	0.00416	2	1	25	0
P12163_1_S1,17693	K.EAVYGLTEISR.E	1541.848	0.00095	3	1	35	0
P12163_1_F4,15957	K.ISYEHEEFVK.L	1889.026	0.00794	3	1	27.9	0
P12163_1_F4,15976	K.ISYEHEEFVK.L	1889.026	0.00858	2	1	36	0
P12163_2_F6,14605	K.ISYEHEEFVK.L	1889.026	0.00452	3	1	32.6	0

P12163_2_F6,14622	K.ISYEHEEFVK.L	1889.026	0.00356	2	1	44.6	0
P12163_1_S1,17486	K.IVDLSADFR.L	1339.752	0.00256	3	1	27.3	0
P12163_1_S1,21253	K.IVDLSADFR.L	1339.752	0.00254	2	1	28.1	0
P12163_1_S1,21430	K.IVDLSADFR.L	1339.752	0.00348	2	1	28	0
P12163_1_F5,11128	K.SLQVEDGK.T	1483.858	0.00856	2	1	27.7	0
P12163_1_F3,29730	R.AIIISVIDNLVK.G	1906.22	0.00483	3	1	30.7	0
P12163_1_S1,17733	R.GSNYCLM*NVPDR.I	1892.894	0.00588	3	1	29.4	0
P12163_1_S1,20256	R.GSNYCLMNVFPDR.I	1876.899	0.00825	3	1	26.4	0
P12163_1_S1,20270	R.GSNYCLMNVFPDR.I	1876.899	0.00085	2	1	25.3	0
P12163_1_F8,17931	R.HVPEIEQGLTDVASSK	2318.281	0.00518	3	1	55.7	0
P12163_1_F8,18010	R.HVPEIEQGLTDVASSK	2318.281	0.00612	4	1	30.2	0
P12163_2_F6,15023	R.HVPEIEQGLTDVASSK	2318.281	0.00476	4	1	37	0
P12163_2_F6,17351	R.HVPEIEQGLTDVASSK	2318.281	0.00437	3	1	48.2	0
P12163_2_F6,17425	R.HVPEIEQGLTDVASSK	2318.281	0.004	4	1	38	0
P12163_1_S1,21406	R.IGLLGASGYTGAEIVR.	1881.075	-0.00093	3	1	66.6	0
P12163_1_S1,21422	R.IGLLGASGYTGAEIVR.	1881.075	-0.00099	2	1	33.7	0
P12163_1_S1,21587	R.IGLLGASGYTGAEIVR.	1881.075	0.00105	3	1	64.4	0
P12163_1_S1,21609	R.IGLLGASGYTGAEIVR.	1881.075	0.00303	2	1	33.3	0
P12163_1_F4,16616	R.NIIDAK.S	1394.883	0.00615	3	1	24.9	0
P12163_1_F4,16635	R.NIIDAK.S	1394.883	0.00557	2	1	29.6	0
P12163_1_F5,15421	R.NIIDAK.S	1394.883	0.00425	2	1	29.2	0
P12163_2_F1,15765	R.NIIDAK.S	1394.883	0.00519	2	1	32.6	0
P12163_2_F1,15791	R.NIIDAK.S	1394.883	0.00572	3	1	25.5	0
P12163_1_F7,11121	K.AIPLSEDHKPNR.C	1985.139	0.00408	4	1	22.6	0
P12163_1_F9,20534	K.EHLFENLLK.H	1751.031	0.00708	3	1	45.8	0
P12163_2_F9,19386	K.EHLFENLLK.H	1751.031	0.01143	3	1	37	0
P12163_2_F9,19587	K.EHLFENLLK.H	1751.031	0.00818	2	1	43.7	0
P12163_2_F9,19596	K.EHLFENLLK.H	1751.031	0.0042	3	1	45.1	0
P12163_2_F9,19785	K.EHLFENLLK.H	1751.031	0.0054	3	1	41.8	0
P12163_1_F9,9933	K.HPQFM*TDTK.L	1728.92	0.00964	3	1	37.2	0
P12163_1_F9,12311	K.HPQFMTDTK.L	1712.925	0.00628	3	1	45.6	0
P12163_1_F9,12313	K.HPQFMTDTK.L	1712.925	0.0046	2	1	26.7	0
P12163_2_F9,11571	K.HPQFMTDTK.L	1712.925	-0.00275	3	1	41.6	0
P12163_1_F2,13925	K.LTETAFTTR.G	1242.7	0.00396	3	1	40.4	0
P12163_1_F7,16558	K.TSNVDGQAVCM*FGV	2618.203	0.00419	3	1	45.1	0
P12163_1_F7,19682	K.TSNVDGQAVCM*FGV	2618.203	0.00326	3	1	68	0
P12163_2_S5,19444	K.TSNVDGQAVCM*FGV	2618.203	0.0035	3	1	50.4	0
P12163_1_F7,17989	K.TSNVDGQAVCMFGVF	2602.208	0.00425	3	1	54.3	0
P12163_1_F7,18014	K.TSNVDGQAVCMFGVF	2602.208	0.00066	4	1	30.5	0
P12163_1_F7,19670	K.TSNVDGQAVCMFGVF	2602.208	0.00641	3	1	66.8	0
P12163_2_F10,1844	K.TSNVDGQAVCMFGVF	2602.208	0.00794	3	1	24.2	0
P12163_2_S5,19384	K.TSNVDGQAVCMFGVF	2602.208	0.01115	3	1	49.8	0
P12163_1_F3,20221	R.ATMEDFYDIK.T	1840.961	0.00515	2	1	48.8	0
P12163_1_F3,20232	R.ATMEDFYDIK.T	1840.961	0.0053	3	1	42	0
P12163_1_F4,20731	R.ATMEDFYDIK.T	1840.961	0.00823	2	1	39.9	0
P12163_1_F4,20740	R.ATMEDFYDIK.T	1840.961	0.00704	3	1	34	0
P12163_2_F6,11975	R.FHHVNEDPAEPEVEQE	2210.03	-0.0034	2	1	40.4	0
P12163_2_F7,11395	R.FHHVNEDPAEPEVEQE	2210.03	0.00172	3	1	36.9	0
P12163_1_S1,13854	R.GSADNITCIVVR.F	1608.868	0.00589	3	1	27.3	0
P12163_1_S1,16197	R.GSADNITCIVVR.F	1608.868	0.00571	2	1	27.9	0
P12163_1_S1,16232	R.GSADNITCIVVR.F	1608.868	0.00433	3	1	70.8	0

P12163_1_S1,10663 R.TGEEPEIAAR.K	1376.732	0.00367	2	1	27.9	0
P12163_2_F6,11915 K.DVVTHSM*APEK.V ! F	1837.994	0.00682	3	1	28.1	0
P12163_2_F6,11941 K.DVVTHSM*APEK.V ! F	1837.994	0.00716	2	1	43.7	0
P12163_1_F8,12224 K.DVVTHSMAPEK.V ! R.	1821.999	0.00382	3	1	29.3	0
P12163_1_F3,19696 K.LAQICGTIASDEK.R	2014.11	0.00873	3	1	49.8	0
P12163_1_F8,18079 K.LAQICGTIASDEKR.H	2170.211	0.00415	3	1	32	0
P12163_2_F6,17573 K.LAQICGTIASDEKR.H	2170.211	0.00472	3	1	34.4	0
P12163_1_F4,15627 K.YLYLSGR.V	1175.673	0.00021	3	1	22.1	0
P12163_1_F5,10069 R.ATFISHGNTAR.L ! R.A	1478.802	0.0023	3	1	43.8	0
P12163_1_F9,9236 R.ATFISHGNTAR.L ! R.A	1478.802	0.00263	3	1	24.4	0
P12163_2_F10,9962 R.ATFISHGNTAR.L ! R.A	1478.802	-0.00205	3	1	30.7	0
P12163_2_F4,8682 R.ATFISHGNTAR.L ! R.A	1478.802	-0.00607	3	1	45.3	0
P12163_2_F4,10236 R.ATFISHGNTAR.L ! R.A	1478.802	0.00236	3	1	56	0
P12163_2_F7,6679 R.ATFISHGNTAR.L ! R.A	1478.802	0.0026	4	1	44.1	0
P12163_2_F7,8668 R.ATFISHGNTAR.L ! R.A	1478.802	-0.0001	3	1	30.8	0
P12163_2_F7,10328 R.ATFISHGNTAR.L ! R.A	1478.802	0.00302	3	1	24.1	0
P12163_2_F1,10937 R.AWTAEENR.H	1280.654	0.00378	2	1	25.8	0
P12163_1_F3,7862 R.HETAYTK.I	1457.821	0.00645	3	1	46.1	0
P12163_1_F4,8291 R.HETAYTK.I	1457.821	0.00639	3	1	29.8	0
P12163_1_F5,6763 R.HETAYTK.I	1457.821	0.00525	3	1	41	0
P12163_2_S5,8054 R.HETAYTK.I	1457.821	0.00654	3	1	27.4	0
P12163_1_F6,10889 R.HGDLLNK.Y	1404.842	0.00746	3	1	42.9	0
P12163_1_F7,10344 R.HGDLLNK.Y	1404.842	0.00047	3	1	34	0
P12163_1_S10,1178.R.HGDLLNK.Y	1404.842	0.00554	3	1	31.2	0
P12163_1_S10,1200.R.HGDLLNK.Y	1404.842	0.00467	3	1	29.7	0
P12163_2_F6,10839 R.HGDLLNK.Y	1404.842	0.00083	3	1	28.2	0
P12163_2_F8_1207C.R.HGDLLNK.Y	1404.842	0.00323	3	1	32.1	0
P12163_2_F8_1207C.R.HGDLLNK.Y	1404.842	0.00554	3	1	30.4	0
P12163_1_F3,14479 R.SIQYLIR.S ! K.SIQYLIR	1196.73	0.00151	3	1	23.5	0
P12163_1_F5,13949 K.AQLALQK.G	1379.883	0.00444	3	1	30.2	0
P12163_1_F5,8723 K.AQLDQQK.N	1438.847	0.00952	2	1	26.4	0
P12163_2_F2,9576 K.AQLDQQK.N	1438.847	0.00468	2	1	28.5	0
P12163_1_F3,8709 K.GEEDLAR.E	1093.579	0.00369	2	1	24.6	0
P12163_1_F2,13516 K.NVVNNLVSNTR.L	1533.865	0.00665	2	1	25.3	0
P12163_1_F2,13521 K.NVVNNLVSNTR.L	1533.865	0.0023	3	1	49.1	0
P12163_1_F3,13851 K.NVVNNLVSNTR.L	1533.865	0.00237	2	1	37.8	0
P12163_1_F3,13892 K.NVVNNLVSNTR.L	1533.865	0.00059	3	1	37.4	0
P12163_1_F5,11693 K.SYADNANALK.A	1674.927	0.00144	2	1	41.5	0
P12163_1_S10,1285K.SYADNANALK.A	1674.927	0.00457	3	1	56.4	0
P12163_2_F1,12095 K.SYADNANALK.A	1674.927	0.01278	2	1	37.6	0
P12163_2_F1,12105 K.SYADNANALK.A	1674.927	0.00616	3	1	40.1	0
P12163_2_F8_1207C.K.SYADNANALK.A	1674.927	-0.00053	3	1	33.8	0
P12163_1_F3,20222 K.SYANAILSSFEDPEK.I	2279.201	0.00584	3	1	43.1	0
P12163_1_F3,23930 K.SYANAILSSFEDPEK.I	2279.201	0.00413	2	1	64.8	0
P12163_1_F3,24605 K.VSEMLGNVNTSSALS/	2592.38	0.00238	3	1	35.5	0
P12163_1_F2,12239 R.AAASSTNTAFPFR.D	1644.865	-0.00034	3	1	30.5	0
P12163_1_F2,14563 R.AAASSTNTAFPFR.D	1644.865	0.00187	3	1	51.6	0
P12163_1_F2,14843 R.AAASSTNTAFPFR.D	1644.865	0.00286	3	1	47.7	0
P12163_1_F2,15140 R.AAASSTNTAFPFR.D	1644.865	0.00401	3	1	25.4	0
P12163_1_F2,17308 R.AAASSTNTAFPFR.D	1644.865	0.00376	3	1	36.8	0
P12163_2_F1,17364 R.AAASSTNTAFPFR.D	1644.865	0.00242	2	1	33.9	0

P12163_1_F4,12624	R.QATAQVLASQK.R	1753.043	0.00422	3	1	42.2	0
P12163_1_F4,14219	R.QATAQVLASQK.R	1753.043	0.00644	3	1	34.3	0
P12163_1_F4,14274	R.QATAQVLASQK.R	1753.043	0.0046	2	1	54.3	0
P12163_2_F1,13265	R.QATAQVLASQK.R	1753.043	-0.00236	2	1	46	0
P12163_2_F1,13273	R.QATAQVLASQK.R	1753.043	0.00359	3	1	59.8	0
P12163_1_F5,15090	K.IFESTSK.E	1419.83	0.00664	2	1	29	0
P12163_2_F1,15090	K.IFESTSK.E	1419.83	0.00446	2	1	26.6	0
P12163_1_F7,12302	K.NLPEAEVK.E	1507.894	0.0021	3	1	29.8	0
P12163_2_F1,13042	K.NLPEAEVK.E	1507.894	0.00324	3	1	37.9	0
P12163_2_F1,13175	K.NLPEAEVK.E	1507.894	0.00288	2	1	26.6	0
P12163_1_F8,17170	K.SDDRDPSSSFQGGESFI	2325.069	0.0052	3	1	32.3	0
P12163_2_S5,15816	K.SDDRDPSSSFQGGESFI	2325.069	0.00397	3	1	33.4	0
P12163_2_S5,16719	K.SDDRDPSSSFQGGESFI	2325.069	0.00379	3	1	53.2	0
P12163_1_F5,11282	K.SQLNNIK.S	1424.868	0.00461	3	1	22.9	0
P12163_2_F2,12095	K.SQLNNIK.S	1424.868	0.00137	3	1	32	0
P12163_2_S3,10809	K.SQLNNIK.S	1424.868	0.01262	3	1	25.3	0
P12163_2_S3,11001	K.SQLNNIK.S	1424.868	0.00616	2	1	29.6	0
P12163_1_F5,7831	K.YTETSGSGK.K	1537.832	0.00462	2	1	32.6	0
P12163_2_F1,8361	K.YTETSGSGK.K	1537.832	0.00766	2	1	28.8	0
P12163_1_F4,13976	R.DGFEVGNADK.I	1659.88	0.00584	2	1	47.8	0
P12163_1_F5,11528	R.LNSEGGVLK.V	1524.921	0.00333	3	1	32	0
P12163_1_F5,13889	R.LNSEGGVLK.V	1524.921	0.00453	3	1	40.3	0
P12163_1_F6,14741	R.LNSEGGVLK.V	1524.921	0.00525	3	1	32.1	0
P12163_2_F1,14216	R.LNSEGGVLK.V	1524.921	0.01305	3	1	41.4	0
P12163_2_F2,14682	R.LNSEGGVLK.V	1524.921	0.00123	3	1	41.5	0
P12163_2_F9,16556	R.LVLPQYK.N	1468.935	0.00487	3	1	23.1	0
P12163_1_S1,17019	R.TVLQSM*EAVYLN.R.N	1843.989	0.00026	2	1	32.1	0
P12163_1_S1,17034	R.TVLQSM*EAVYLN.R.N	1843.989	0.0018	3	1	62.9	0
P12163_1_S1,23183	R.TVLQSM*EAVYLN.R.N	1843.989	0.00366	3	1	47.5	0
P12163_2_F6,23034	R.TVLQSM*EAVYLN.R.N	1843.989	0.00144	2	1	33.4	0
P12163_1_S1,17310	R.TVLQSMEAVYLN.R.N	1827.994	0.00324	3	1	59.9	0
P12163_1_S1,23145	R.TVLQSMEAVYLN.R.N	1827.994	0.00147	3	1	56.5	0
P12163_1_F8,16020	K.AGHPTFVLVR.E	1400.832	0.0024	3	1	26.1	0
P12163_2_F6,15432	K.AGHPTFVLVR.E	1400.832	0.00258	3	1	31	0
P12163_1_F2,7035	K.AVDDPR.T	976.5365	0.00178	2	1	26.1	0
P12163_2_F1,6810	K.AVDDPR.T	976.5365	0.00264	2	1	32	0
P12163_1_F4,18399	K.EYVSEEQLL.N ! R.EY	1846.042	0.00872	2	1	53.1	0
P12163_1_F4,18412	K.EYVSEEQLL.N ! R.EY	1846.042	0.00857	3	1	45.8	0
P12163_1_F9,17086	K.EYVSEEQLL.N ! R.EY	1846.042	-0.00286	3	1	25.5	0
P12163_2_F9,16197	K.EYVSEEQLL.N ! R.EY	1846.042	0.00728	3	1	41.1	0
P12163_1_F4,19473	K.FIVEASVK.A	1500.925	0.00598	3	1	39.2	0
P12163_1_F4,19481	K.FIVEASVK.A	1500.925	0.00679	2	1	31.3	0
P12163_2_F1,18739	K.FIVEASVK.A	1500.925	0.00505	2	1	27.4	0
P12163_2_F4,16957	K.FIVEASVK.A	1500.925	-0.00149	3	1	31	0
P12163_1_F8,21764	K.IEPSFGVEASQLYPDVI	2487.359	0.00198	3	1	56.6	0
P12163_1_S1,20629	K.IEPSFGVEASQLYPDVI	2487.359	0.00543	4	1	25.4	0
P12163_1_S1,20673	K.IEPSFGVEASQLYPDVI	2487.359	0.00504	3	1	70.5	0
P12163_1_F3,19865	K.ILSIGGTGYIGK.F	1787.089	0.00183	3	1	33.7	0
P12163_1_F3,21576	K.ILSIGGTGYIGK.F	1787.089	0.00668	2	1	49.1	0
P12163_1_F3,21636	K.ILSIGGTGYIGK.F	1787.089	0.00756	3	1	45.6	0
P12163_1_F9,17128	K.SQLLDHFK.N ! K.SQLI	1595.937	0.00443	3	1	32.5	0

P12163_1_F9,17162	K.SQLLDHFK.N ! K.SQLI	1595.937	0.0037	2	1	32.3	0
P12163_1_F9,17345	K.SQLLDHFK.N ! K.SQLI	1595.937	0.00677	3	1	26.4	0
P12163_2_F9,16416	K.SQLLDHFK.N ! K.SQLI	1595.937	0.00413	3	1	30.3	0
P12163_2_F9,16522	K.SQLLDHFK.N ! K.SQLI	1595.937	0.01083	4	1	23.1	0
P12163_2_F9,16595	K.SQLLDHFK.N ! K.SQLI	1595.937	0.00812	2	1	38	0
P12163_2_F9,16634	K.SQLLDHFK.N ! K.SQLI	1595.937	0.00632	3	1	45.3	0
P12163_1_F9,8015	R.AHGAVEPAK.S	1487.879	0.00529	3	1	28.7	0
P12163_2_F1,11313	R.ESTLSAPSK.S	1527.884	0.0044	2	1	25.7	0
P12163_2_F2,8473	K.CNGTSEEVK.K	1631.852	0.00574	2	1	35	0
P12163_1_S1,8174	K.DNVSAEVAASSTR.I	1523.797	0.00335	3	1	31.9	0
P12163_1_S1,9163	K.DNVSAEVAASSTR.I	1523.797	0.00551	3	1	38.5	0
P12163_1_S1,9856	K.DNVSAEVAASSTR.I	1523.797	0.00203	3	1	57.1	0
P12163_2_F2,21598	K.FFVGGNWK.C	1562.894	0.00488	3	1	22.2	0
P12163_1_F7,10686	K.VATPAQAQEVHAE LR	1924.055	0.00439	4	1	39.6	0
P12163_1_F7,13148	K.VATPAQAQEVHAE LR	1924.055	0.00316	3	1	65.6	0
P12163_2_S5,10558	K.VATPAQAQEVHAE LR	1924.055	0.00623	4	1	63.6	0
P12163_2_S5,12835	K.VATPAQAQEVHAE LR	1924.055	0.00517	3	1	24.4	0
P12163_2_S5,12947	K.VATPAQAQEVHAE LR	1924.055	0.00367	4	1	53.3	0
P12163_2_S5,13053	K.VATPAQAQEVHAE LR	1924.055	0.00367	3	1	84.3	0
P12163_1_F3,13546	K.VAYALSR.G	1083.646	0.00347	3	1	26.9	0
P12163_1_S1,14516	K.VIACVGETLEQR.E	1678.91	0.00411	3	1	42.5	0
P12163_1_S1,21186	K.VIACVGETLEQR.E	1678.91	0.00777	3	1	67.1	0
P12163_1_S1,21242	K.VIACVGETLEQR.E	1678.91	0.00492	2	1	44.9	0
P12163_1_S1,21360	K.VIACVGETLEQR.E	1678.91	0.00171	3	1	64.9	0
P12163_1_S1,21411	K.VIACVGETLEQR.E	1678.91	0.00954	2	1	51.6	0
P12163_1_S1,21538	K.VIACVGETLEQR.E	1678.91	0.00486	3	1	67.9	0
P12163_1_S1,21592	K.VIACVGETLEQR.E	1678.91	0.00578	2	1	38.6	0
P12163_1_S1,21831	K.VIACVGETLEQR.E	1678.91	0.00027	3	1	49.7	0
P12163_1_F3,18719	R.ALLNESNDFVGDK.V	2030.101	-0.0009	2	1	39.3	0
P12163_1_F3,12119	R.ESGSTVAVVAEQTK.A	2014.128	0.00401	3	1	27	0
P12163_1_F3,14095	R.ESGSTVAVVAEQTK.A	2014.128	0.00671	3	1	40	0
P12163_1_F3,14113	R.ESGSTVAVVAEQTK.A	2014.128	0.00453	2	1	58.8	0
P12163_1_F6,16221	R.SDFHVAAQNCWVR.K	1893.933	-0.0008	3	1	26.3	0
P12163_2_F6,15497	R.SDFHVAAQNCWVR.K	1893.933	0.00217	3	1	28.9	0
P12163_2_F6,15509	R.SDFHVAAQNCWVR.K	1893.933	-0.00073	2	1	38.7	0
P12163_1_S10,1802	K.DSTGIPHILEHSVLCGS	2282.186	0.00011	4	1	29.4	0
P12163_2_F10,1687	K.DSTGIPHILEHSVLCGS	2282.186	0.00487	3	1	25	0
P12163_2_F4,17542	K.DSTGIPHILEHSVLCGS	2282.186	0.00889	3	1	36.8	0
P12163_2_F4,17544	K.DSTGIPHILEHSVLCGS	2282.186	0.00511	4	1	41.6	0
P12163_1_F3,23421	K.EPFVELLK.G	1582.966	0.00644	3	1	25	0
P12163_2_F1,23703	K.EPFVELLK.G	1582.966	0.00642	3	1	25.2	0
P12163_1_F5,16554	K.GVVFNEMK.G	1531.876	0.00435	2	1	34.4	0
P12163_1_F5,16619	K.GVVFNEMK.G	1531.876	0.0045	3	1	27.2	0
P12163_2_F2,17241	K.GVVFNEMK.G	1531.876	0.00173	2	1	25.8	0
P12163_1_S1,14131	K.GVYSQPDNILGR.A	1622.88	0.0036	3	1	28.1	0
P12163_1_S1,15724	K.GVYSQPDNILGR.A	1622.88	0.00065	2	1	29.7	0
P12163_1_S1,15749	K.GVYSQPDNILGR.A	1622.88	0.00384	3	1	67	0
P12163_1_F2,10940	K.TGAEVMSVSND DENK	2204.096	-0.00022	3	1	50.1	0
P12163_1_F4,17326	K.VSEEFIGECK.S	1805.956	0.01064	2	1	40	0
P12163_1_F4,17360	K.VSEEFIGECK.S	1805.956	0.00744	3	1	37	0
P12163_2_F1,16486	K.VSEEFIGECK.S	1805.956	0.00351	3	1	27.7	0

P12163_1_F5,19828	R.ITFEEFK.N ! K.LTFEEF	1521.877	0.0054	3	1	29.9	0
P12163_1_F5,19956	R.ITFEEFK.N ! K.LTFEEF	1521.877	0.00807	2	1	25	0
P12163_2_F1,20346	R.ITFEEFK.N ! K.LTFEEF	1521.877	0.00267	3	1	25.2	0
P12163_2_F6,20344	R.IWFYGDNDPNER.L	1830.86	-0.00027	2	1	39.8	0
P12163_1_F4,10571	R.TCYPVASTNTK.D	1849.994	0.00664	3	1	22.2	0
P12163_1_F4,12186	R.TCYPVASTNTK.D	1849.994	0.00505	3	1	32.2	0
P12163_1_F4,12194	R.TCYPVASTNTK.D	1849.994	0.00282	2	1	33.8	0
P12163_1_F9,11628	R.TCYPVASTNTK.D	1849.994	0.00716	2	1	25.5	0
P12163_2_F1,11314	R.TCYPVASTNTK.D	1849.994	0.00996	2	1	30.1	0
P12163_2_F1,11316	R.TCYPVASTNTK.D	1849.994	0.00841	3	1	38.5	0
P12163_1_F2,9971	K.GETLEDTIR.T	1337.721	0.00306	3	1	24.6	0
P12163_1_S1,14282	K.GETLEDTIR.T	1337.721	0.00133	2	1	25.5	0
P12163_1_F6,12413	K.HAVVLHPLPR.L	1442.89	0.0017	3	1	37	0
P12163_1_F6,12415	K.HAVVLHPLPR.L	1442.89	0.00339	4	1	49.7	0
P12163_1_F6,22747	K.HAVVLHPLPR.L	1442.89	0.00463	4	1	45.5	0
P12163_1_F7,11784	K.HAVVLHPLPR.L	1442.89	0.00183	4	1	42.8	0
P12163_2_F6,11955	K.HAVVLHPLPR.L	1442.89	0.00259	4	1	47.6	0
P12163_2_F6,11968	K.HAVVLHPLPR.L	1442.89	0.00017	3	1	30.9	0
P12163_2_F7,11344	K.HAVVLHPLPR.L	1442.89	0.00275	3	1	26.8	0
P12163_2_F7,11346	K.HAVVLHPLPR.L	1442.89	0.00335	4	1	36.5	0
P12163_2_S5,11360	K.HAVVLHPLPR.L	1442.89	0.00339	4	1	34.2	0
P12163_1_F9,11667	K.HSPGSPILK.G	1543.942	0.00374	3	1	32.9	0
P12163_2_F4,10681	K.HSPGSPILK.G	1543.942	0.00998	3	1	40.5	0
P12163_2_F9,10713	K.HSPGSPILK.G	1543.942	0.00287	3	1	44.7	0
P12163_1_F3,21236	K.IYFVSPGVVK.M	1717.051	0.00503	3	1	36.8	0
P12163_1_F3,21252	K.IYFVSPGVVK.M	1717.051	0.00902	2	1	24.9	0
P12163_1_F2,19789	K.VGLVGLDLANGR.T	1374.801	0.00442	2	1	32.8	0
P12163_2_F2,11146	R.EFSSAAK.G	1347.773	0.0086	3	1	26.7	0
P12163_1_S1,14877	R.LGGEVLTENAR.E	1563.864	0.00302	2	1	25.1	0
P12163_1_S1,14899	R.LGGEVLTENAR.E	1563.864	-0.00239	3	1	30.9	0
P12163_1_F5,21674	R.SLAYLLAK.Y	1486.945	0.00672	2	1	38	0
P12163_2_F1,22525	R.SLAYLLAK.Y	1486.945	0.00026	2	1	42.1	0
P12163_2_F2,22025	R.SLAYLLAK.Y	1486.945	0.00496	2	1	43.3	0
P12163_1_F2,13133	R.TDLYEEAR.G	1300.669	0.00361	2	1	24.9	0
P12163_1_F2,10752	K.EGGDPVLAR.I	1217.679	0.0008	2	1	37.7	0
P12163_2_F4,16173	K.ITMPAHLMYDGHDP	2058.02	0.00056	4	1	26.3	0
P12163_1_F5,10069	R.ATFISHGNTAR.L ! R.A	1478.802	0.0023	3	1	43.8	0
P12163_1_F9,9236	R.ATFISHGNTAR.L ! R.A	1478.802	0.00263	3	1	24.4	0
P12163_2_F10,9962	R.ATFISHGNTAR.L ! R.A	1478.802	-0.00205	3	1	30.7	0
P12163_2_F4,8682	R.ATFISHGNTAR.L ! R.A	1478.802	-0.00607	3	1	45.3	0
P12163_2_F4,10236	R.ATFISHGNTAR.L ! R.A	1478.802	0.00236	3	1	56	0
P12163_2_F7,6679	R.ATFISHGNTAR.L ! R.A	1478.802	0.0026	4	1	44.1	0
P12163_2_F7,8668	R.ATFISHGNTAR.L ! R.A	1478.802	-0.0001	3	1	30.8	0
P12163_2_F7,10328	R.ATFISHGNTAR.L ! R.A	1478.802	0.00302	3	1	24.1	0
P12163_2_F4,4846	R.HENAYAR.I	1164.606	0.00331	3	1	23.1	0
P12163_1_F4,14928	R.ICGTIASDEK.R	1701.93	0.00233	2	1	35.7	0
P12163_2_F1,13902	R.ICGTIASDEK.R	1701.93	0.00761	2	1	37.6	0
P12163_2_F1,13910	R.ICGTIASDEK.R	1701.93	0.00679	3	1	27.8	0
P12163_2_F6,20777	R.LFAHFAAVAQR.L	1534.88	0.00028	3	1	41.1	0
P12163_1_F2,16504	R.LQELADQR.A	1276.716	0.00221	2	1	25	0
P12163_1_F3,16304	R.SFLYLSGR.V	1246.71	0.00337	3	1	30.1	0

P12163_1_F3,17218	R.SFLYLSGR.V	1246.71	0.00412	3	1	29.1	0
P12163_1_F4,22837	R.VDM*LMIEK.T	1602.905	0.00689	2	1	27.9	0
P12163_1_F4,22798	R.VDMLMIEK.T	1586.911	0.00851	2	1	34	0
P12163_1_F4,22923	R.VDMLMIEK.T	1586.911	0.00504	3	1	30.4	0
P12163_2_F1,22316	R.VDMLMIEK.T	1586.911	0.00393	3	1	23.5	0
P12163_2_F1,22356	R.VDMLMIEK.T	1586.911	0.00419	2	1	34.9	0
P12163_1_F3,16203	K.CLIDDEEAVK.V	1799.967	0.00586	2	1	52.6	0
P12163_2_F10,1932	K.GFFECTHDISHLTCAD	2630.243	0.00272	4	1	31.1	0
P12163_2_F8_1207	K.GFFECTHDISHLTCAD	2630.243	0.00336	4	1	36.4	0
P12163_2_F8_1207	K.GFFECTHDISHLTCAD	2630.243	0.00448	3	1	32.2	0
P12163_1_S10,1291	K.LAHFAR.E	1018.61	0.00454	3	1	24.2	0
P12163_1_F3,9715	R.AICDPR.C ! K.ALCDPR	1035.556	0.00545	2	1	29.3	0
P12163_1_F6,14944	R.FSTVIHER.G	1292.726	0.00468	3	1	48.8	0
P12163_1_F9,14558	R.FSTVIHER.G	1292.726	0.00456	3	1	57.7	0
P12163_2_F4,13693	R.FSTVIHER.G	1292.726	0.00204	3	1	43.3	0
P12163_2_F9,13763	R.FSTVIHER.G	1292.726	0.00141	3	1	35.8	0
P12163_2_S5,14057	R.FSTVIHER.G	1292.726	0.00351	3	1	32.9	0
P12163_1_F7,19539	R.GPVLLEDYHLVEK.L	2120.221	0.0079	3	1	33.1	0
P12163_1_F8,20502	R.GPVLLEDYHLVEK.L	2120.221	0.00454	3	1	36.6	0
P12163_2_F10,1797	R.GPVLLEDYHLVEK.L	2120.221	0.00361	3	1	30	0
P12163_2_F10,1800	R.GPVLLEDYHLVEK.L	2120.221	0.00148	4	1	24.8	0
P12163_2_S5,18924	R.GPVLLEDYHLVEK.L	2120.221	0.00274	3	1	47.3	0
P12163_2_S5,18926	R.GPVLLEDYHLVEK.L	2120.221	0.00276	4	1	23.4	0
P12163_2_F6,19977	R.HMEGFGVQTFTLVNK	2316.263	0.00591	3	1	28.5	0
P12163_1_F2,15728	R.IFAYGDTQR.H	1374.732	0.00912	3	1	29.9	0
P12163_1_F3,16171	R.IFAYGDTQR.H	1374.732	0.00723	3	1	28.1	0
P12163_1_F9,6288	R.VTHEVR.S	1044.61	0.00194	3	1	25.3	0
P12163_1_S10,7403	R.VTHEVR.S	1044.61	0.00584	3	1	23	0
P12163_2_F8_1207	R.VTHEVR.S	1044.61	0.00437	3	1	30.1	0
P12163_1_F4,25631	K.AIWM*LDPGIK.H	1768.029	0.0047	3	1	31.3	0
P12163_1_F3,24821	K.AIWMLDPGIK.H	1752.034	0.00308	3	1	38.4	0
P12163_1_F3,14955	K.CQGLALVNR.F	1334.752	0.00296	2	1	24.4	0
P12163_1_F9,7787	K.DRDTPISTR.T	1364.744	0.00409	2	1	33.8	0
P12163_1_S1,17796	K.GVDLSQTPIELK.S	1908.126	0.00175	3	1	44.2	0
P12163_1_F4,15308	K.LISDAEK.A	1383.83	0.0079	2	1	28.7	0
P12163_1_F9,12793	K.LQHALPK.G	1414.899	0.00497	3	1	32	0
P12163_1_F9,12823	K.LQHALPK.G	1414.899	0.00614	2	1	25.8	0
P12163_2_F9,11650	K.LQHALPK.G	1414.899	0.00872	2	1	27.4	0
P12163_2_F9,11695	K.LQHALPK.G	1414.899	0.0059	3	1	32.9	0
P12163_1_F7,17176	K.QSPLAISHEYEVIK.I	2222.264	0.00482	3	1	25.8	0
P12163_1_F8,18034	K.QSPLAISHEYEVIK.I	2222.264	0.0059	3	1	31.4	0
P12163_2_F10,1605	K.QSPLAISHEYEVIK.I	2222.264	0.00317	3	1	26.5	0
P12163_2_F10,1608	K.QSPLAISHEYEVIK.I	2222.264	0.00174	4	1	25.4	0
P12163_2_F6,17527	K.QSPLAISHEYEVIK.I	2222.264	0.00104	3	1	35	0
P12163_1_F3,8415	R.FDCSASDR.Q	1261.578	0.00333	3	1	23.2	0
P12163_1_F3,10084	R.FDCSASDR.Q	1261.578	0.00312	2	1	27.8	0
P12163_1_F4,22747	R.FNVEEVFK.C	1619.925	0.00629	2	1	35.8	0
P12163_1_F4,22753	R.FNVEEVFK.C	1619.925	0.00412	3	1	31.2	0
P12163_1_F5,21388	R.FNVEEVFK.C	1619.925	0.00709	2	1	26.9	0
P12163_2_F1,22194	R.FNVEEVFK.C	1619.925	0.00783	2	1	42.9	0
P12163_2_F1,22195	R.FNVEEVFK.C	1619.925	0.00481	3	1	28.9	0

P12163_1_F4,17596	K.LFVDDSK.V	1431.83	0.00803	2	1	29.5	0
P12163_2_F1,16682	K.LFVDDSK.V	1431.83	0.01199	2	1	29.2	0
P12163_2_F1,16711	K.LFVDDSK.V	1431.83	0.0062	3	1	24.8	0
P12163_1_F3,16702	K.LTEVDVADK.L	1597.926	0.00808	3	1	22	0
P12163_1_F8,15270	K.NSAELEGMLNSHLR.I	1890.964	0.00477	3	1	29	0
P12163_2_F6,18386	K.NSAELEGMLNSHLR.I	1890.964	0.00441	3	1	53.8	0
P12163_1_F8,18790	K.NSAELEGMLNSHLR.D	1874.97	0.00249	3	1	45.3	0
P12163_2_F6,18342	K.NSAELEGMLNSHLR.D	1874.97	0.0042	3	1	50.3	0
P12163_1_S1,20889	K.VSPLLDGFAR.Q	1378.8	0.00253	2	1	28.6	0
P12163_1_F8,16961	K.VTPDVMDHLK.N	1762.998	0.00956	3	1	48.5	0
P12163_1_F8,16986	K.VTPDVMDHLK.N	1762.998	0.00075	2	1	32.1	0
P12163_2_F6,16405	K.VTPDVMDHLK.N	1762.998	0.00575	3	1	35.5	0
P12163_2_F6,16423	K.VTPDVMDHLK.N	1762.998	0.00579	2	1	51.9	0
P12163_1_F4,22952	R.FGGVSYLGFEK.L	1812.015	0.00572	3	1	31.6	0
P12163_1_F4,22967	R.FGGVSYLGFEK.L	1812.015	0.00678	2	1	48.8	0
P12163_2_F1,22418	R.FGGVSYLGFEK.L	1812.015	0.0051	2	1	27.2	0
P12163_1_F4,24264	R.IENLLYVK.E	1599.993	0.00124	2	1	31.2	0
P12163_1_F4,24312	R.IENLLYVK.E	1599.993	0.00645	3	1	32.7	0
P12163_2_F1,23630	R.IENLLYVK.E	1599.993	-0.00464	2	1	44.8	0
P12163_2_F9,20616	R.IENLLYVK.E	1599.993	0.00465	3	1	27.9	0
P12163_2_F7,8925	R.TVHFGEPTAR.E	1418.769	0.00508	3	1	24.2	0
P12163_2_F2,17378	R.YFLQAEK.Q	1506.878	0.00837	2	1	25.8	0
P12163_2_F2,16163	K.AGMGLIK.H	1297.812	0.00426	3	1	26	0
P12163_1_F4,19477	K.ALLSQFQEK.Q	1671.989	0.00845	2	1	43	0
P12163_1_F5,18537	K.ALLSQFQEK.Q	1671.989	0.00601	2	1	27.7	0
P12163_1_F5,18545	K.ALLSQFQEK.Q	1671.989	0.00133	3	1	31.3	0
P12163_2_F1,18820	K.ALLSQFQEK.Q	1671.989	0.00925	2	1	37.5	0
P12163_2_F1,18839	K.ALLSQFQEK.Q	1671.989	0.00283	3	1	32.3	0
P12163_1_S1,18960	K.NNIAPELYELGGR.G	1749.944	0.00522	3	1	26.5	0
P12163_1_S1,18981	K.NNIAPELYELGGR.G	1749.944	0.00331	2	1	33.9	0
P12163_1_F8,21146	R.FGHNINLATNELILR.D	2029.15	0.00204	3	1	56.7	0
P12163_2_F6,20739	R.FGHNINLATNELILR.D	2029.15	0.00852	3	1	42.8	0
P12163_2_F6,20762	R.FGHNINLATNELILR.D	2029.15	-0.0062	2	1	38.7	0
P12163_1_F4,22852	R.GPVGAYYLWAK.H	1833.052	0.0012	3	1	22	0
P12163_1_F9,16596	R.IDHLLGR.N	1127.684	0.00333	3	1	43.7	0
P12163_1_F9,16855	R.IDHLLGR.N	1127.684	0.00036	3	1	39.7	0
P12163_2_F7,14995	R.IDHLLGR.N	1127.684	0.00273	3	1	50.1	0
P12163_1_F3,20402	R.LEPSNVILGQYK.A	1969.158	0.00379	2	1	57.1	0
P12163_1_F2,20043	R.NLIENLTVLR.F	1488.905	0.00279	3	1	31.8	0
P12163_1_S1,22166	R.NLIENLTVLR.F	1488.905	-0.00267	3	1	23.9	0
P12163_1_F2,15770	R.SIIASTLTCR.I	1425.804	0.00089	3	1	38.3	0
P12163_1_F2,17973	R.SIIASTLTCR.I	1425.804	0.00107	3	1	29.4	0
P12163_1_F2,17988	R.SIIASTLTCR.I	1425.804	0.00044	2	1	24.9	0
P12163_1_F8,24562	K.IVDAIISHGCFLR.E	1805.005	0.0031	3	1	28.6	0
P12163_1_F2,20097	K.NVAAILGGGAGTR.L	1573.933	0.00376	3	1	54.3	0
P12163_1_F2,21698	K.NVAAILGGGAGTR.L	1573.933	0.00634	2	1	33.1	0
P12163_1_F2,21704	K.NVAAILGGGAGTR.L	1573.933	0.00466	3	1	35.5	0
P12163_1_S1,20517	K.NVAAILGGGAGTR.L	1573.933	0.00133	3	1	57.2	0
P12163_1_F7,20125	K.NVENVLILSGDHLYR.I	2046.128	0.00098	3	1	39.2	0
P12163_2_F10,1863	K.NVENVLILSGDHLYR.I	2046.128	0.00203	3	1	37.5	0
P12163_2_F4,19619	K.NVENVLILSGDHLYR.I	2046.128	0.00215	3	1	34.9	0

P12163_2_S5,19596	K.NVENVLILSGDHLYR.I	2046.128	0.00284	3	1	33	0
P12163_1_F4,15027	K.VPIGVGQNTK.I	1620.989	0.01368	2	1	26.1	0
P12163_1_F4,15055	K.VPIGVGQNTK.I	1620.989	0.00916	3	1	31.8	0
P12163_1_F6,12756	R.ECSVQHSIVGVR.S	1674.89	-0.00119	2	1	49.6	0
P12163_1_F8,12609	R.ECSVQHSIVGVR.S	1674.89	0.00331	2	1	50.8	0
P12163_2_F6,12108	R.ECSVQHSIVGVR.S	1674.89	0.00055	3	1	25.4	0
P12163_1_F3,17116	R.LFPLTNR.R	1164.704	0.00214	3	1	30.4	0
P12163_1_F3,20834	R.MDYTEFLQK.H	1782.956	0.00499	2	1	32.5	0
P12163_1_S1,20542	R.SSYPLSNDFGSEIIPASV	2619.413	0.00576	3	1	84.2	0
P12163_1_S1,21032	R.TDVLLNLLR.S	1360.847	0.00078	3	1	34.9	0
P12163_1_S1,25043	R.TDVLLNLLR.S	1360.847	0.00348	2	1	30.7	0
P12163_1_S1,25062	R.TDVLLNLLR.S	1360.847	0.00189	3	1	34.9	0
P12163_1_S1,19714	K.AFSDSPIIGEIR.G	1608.89	0.00128	2	1	38.2	0
P12163_1_S1,19787	K.AFSDSPIIGEIR.G	1608.89	0.00104	3	1	47.6	0
P12163_1_S1,19904	K.AFSDSPIIGEIR.G	1608.89	0.00312	2	1	43	0
P12163_1_S1,20018	K.AFSDSPIIGEIR.G	1608.89	0.00293	3	1	29.8	0
P12163_1_F4,25641	K.ELLEM*FTASK.M	1792.997	0.00751	3	1	31	0
P12163_1_F3,24828	K.ELLEMFTASK.M	1777.003	0.00343	3	1	35.1	0
P12163_2_F1,22513	K.NLEDLILK.E	1565.972	0.00167	2	1	32.2	0
P12163_1_F3,17959	K.VFFTNSGSEANDTQVK	2352.229	0.01083	2	1	32.4	0
P12163_1_F3,17980	K.VFFTNSGSEANDTQVK	2352.229	0.00685	3	1	79.3	0
P12163_1_F5,12541	K.VQAVVK.K	1251.824	0.00899	3	1	23.2	0
P12163_2_F2,13416	K.VQAVVK.K	1251.824	0.00473	3	1	22.6	0
P12163_1_F3,20897	R.GTGLILGTEFADNK.S	2044.153	0.00431	2	1	45.5	0
P12163_1_F4,19754	R.LGTMFGCDK.Y	1636.865	0.01231	2	1	26.5	0
P12163_1_F5,18965	R.LGTMFGCDK.Y	1636.865	0.00743	2	1	25.9	0
P12163_1_F5,18995	R.LGTMFGCDK.Y	1636.865	0.00607	3	1	30.4	0
P12163_2_F1,19047	R.LGTMFGCDK.Y	1636.865	-0.00013	2	1	36.9	0
P12163_2_F1,19108	R.LGTMFGCDK.Y	1636.865	0.00343	3	1	34	0
P12163_2_F1,13260	R.NIVEQVNK.I	1551.931	-0.00064	2	1	36.6	0
P12163_1_F6,10131	R.YAHPGETEEEEYSTR.L	1972.919	0.00575	3	1	30.8	0
P12163_2_F9,10109	R.YAHPGETEEEEYSTR.L	1972.919	0.01061	3	1	33.6	0
P12163_1_F4,14685	K.EHNFHFLVTGDVYR.R	1890.976	0.00212	3	1	29	0
P12163_1_F6,14175	K.EHNFHFLVTGDVYR.R	1890.976	0.00924	4	1	23.3	0
P12163_1_F6,14199	K.EHNFHFLVTGDVYR.R	1890.976	0.00515	2	1	50.5	0
P12163_2_F6,13444	K.EHNFHFLVTGDVYR.R	1890.976	-0.00088	4	1	33.5	0
P12163_2_F6,13464	K.EHNFHFLVTGDVYR.R	1890.976	0.00191	3	1	29	0
P12163_1_F2,21951	K.FDDLCPIVSVK.Q	1901.066	0.00343	3	1	37.8	0
P12163_1_F9,14471	K.LGMQLHK.R	1434.871	0.00893	3	1	22.1	0
P12163_1_F3,21473	K.NAIYEYFDSNYPNK.F	2346.186	0.00533	2	1	32	0
P12163_1_F3,21503	K.NAIYEYFDSNYPNK.F	2346.186	0.00382	3	1	31.1	0
P12163_1_F4,22098	K.NAIYEYFDSNYPNK.F	2346.186	0.00213	2	1	32.1	0
P12163_1_F9,20215	K.NAIYEYFDSNYPNK.F	2346.186	0.01012	3	1	36.6	0
P12163_1_F7,16564	K.QNFDDVLVPADHVS.R	2016.045	0.00217	3	1	48.7	0
P12163_1_F4,20571	R.FTSQFSQGQLGIK.F	2049.159	0.00681	3	1	48.3	0
P12163_2_F1,20008	R.FTSQFSQGQLGIK.F	2049.159	0.00576	3	1	26.8	0
P12163_1_S1,17005	R.GVAGDLVEEVR.L	1447.806	0.00662	2	1	30.7	0
P12163_2_F9,15523	R.HLFGAVEM*R.W	1379.741	0.00287	3	1	31.6	0
P12163_1_F9,16364	R.HLFGAVEMR.W	1363.746	0.00122	3	1	47	0
P12163_2_F9,15461	R.HLFGAVEMR.W	1363.746	0.00242	3	1	24	0
P12163_1_F9,13964	R.NQHPIGILK.N	1628.01	0.00016	3	1	27.1	0

P12163_2_F9,12806	R.NQHPIGILK.N	1628.01	0.00961	3	1	31.6	0
P12163_1_F7,18162	K.AQVDYEVKPDIVEQIS	2597.439	0.00624	4	1	36.7	0
P12163_2_S5,17490	K.AQVDYEVKPDIVEQIS	2597.439	0.00228	4	1	31.6	0
P12163_1_F3,19710	K.CTLQDTLSDLQTK.L	2131.152	0.01172	3	1	43.6	0
P12163_1_F2,20061	K.GQGGIYFFPER.F	1574.827	0.00599	2	1	31	0
P12163_1_F3,20602	K.GQGGIYFFPER.F	1574.827	0.00065	2	1	48.6	0
P12163_1_F9,19431	K.GQGGIYFFPER.F	1574.827	0.00693	2	1	28.1	0
P12163_2_F1,20422	K.GQGGIYFFPER.F	1574.827	0.00355	2	1	49.3	0
P12163_2_F9,18506	K.GQGGIYFFPER.F	1574.827	-0.00081	2	1	47.2	0
P12163_2_S5,7115	K.HYGSDGSK.G	1458.78	0.00721	3	1	31	0
P12163_1_F4,22790	K.LEGLLDTK.S	1496.914	0.00617	3	1	33	0
P12163_2_F1,22242	K.LEGLLDTK.S	1496.914	0.00708	2	1	24.2	0
P12163_2_F1,22249	K.LEGLLDTK.S	1496.914	0.00896	3	1	32	0
P12163_2_F1,11758	R.ATYVAEK.C	1389.82	-0.0033	2	1	24.7	0
P12163_1_F5,13009	R.GFEVEK.L	1316.767	0.00726	3	1	25.6	0
P12163_2_F2,13842	R.GFEVEK.L	1316.767	0.00765	3	1	25.3	0
P12163_1_F3,19708	R.INSLLER.N	1148.694	0.00301	2	1	25.8	0
P12163_1_F4,19689	R.INSLLER.N	1148.694	0.00785	2	1	24.5	0
P12163_1_F5,20258	R.QLLNLK.D	1449.961	0.00041	3	1	22.7	0
P12163_2_F2,20810	R.QLLNLK.D	1449.961	0.01028	3	1	29	0
P12163_2_F2,20830	R.QLLNLK.D	1449.961	0.00801	2	1	32.4	0
P12163_2_F1,17474	K.ALLNSLQSGSR.L	1449.833	0.00423	2	1	27.5	0
P12163_1_F9,5617	K.HM*GGSAAAGGSAESG	1651.776	0.00382	3	1	48	0
P12163_2_F7,3848	K.HM*GGSAAAGGSAESG	1651.776	0.00096	3	1	22.2	0
P12163_2_F7,5527	K.HM*GGSAAAGGSAESG	1651.776	0.00271	3	1	65.6	0
P12163_2_S3,4691	K.HM*GGSAAAGGSAESG	1651.776	0.0028	3	1	60	0
P12163_1_F7,24175	R.DVAKPLDIVSNEIILSSI	2690.591	0.00473	3	1	35.8	0
P12163_1_F2,11958	R.GQIYSVNDAR.Y	1426.759	0.00301	2	1	49.9	0
P12163_1_F3,8980	R.GQIYSVNDAR.Y	1426.759	-0.0012	3	1	27.7	0
P12163_1_F3,12191	R.GQIYSVNDAR.Y	1426.759	0.00463	2	1	53.6	0
P12163_2_F9,11633	R.GQIYSVNDAR.Y	1426.759	-0.00223	2	1	26	0
P12163_1_F3,25902	R.IAALVASPFNSSLAK.H	2097.253	0.00938	3	1	85	0
P12163_1_F8,18305	R.ILSIQPVQVHQR.L	1722.033	0.00752	3	1	37.6	0
P12163_1_F8,18318	R.ILSIQPVQVHQR.L	1722.033	0.00349	2	1	39	0
P12163_2_F6,17819	R.ILSIQPVQVHQR.L	1722.033	0.00077	2	1	30.6	0
P12163_2_F6,17850	R.ILSIQPVQVHQR.L	1722.033	0.00224	3	1	73	0
P12163_1_S1,24971	R.LVYEANPLSFLAEQAC	2515.402	0.00764	3	1	26.8	0
P12163_1_S1,25001	R.LVYEANPLSFLAEQAC	2515.402	0.00666	4	1	33.1	0
P12163_1_F2,18625	R.TLLYGGVAM*NPR.D	1611.883	0.00343	2	1	29.1	0
P12163_1_F2,15485	R.TLLYGGVAMNPR.D	1595.888	0.00382	3	1	30.9	0
P12163_1_F6,22500	R.YICSLVADFHR.T	1684.878	0.00268	3	1	25.4	0
P12163_1_F2,12178	K.IVGNEEVER.S	1348.737	0.0012	2	1	27.1	0
P12163_2_F9,19472	K.KNALDEFLASK.D	2148.279	0.00863	4	1	34.1	0
P12163_1_F4,22836	K.NALDEFLASK.D	1715.979	0.0056	3	1	36.6	0
P12163_1_F5,21520	K.NALDEFLASK.D	1715.979	0.00383	3	1	27.1	0
P12163_2_F1,22260	K.NALDEFLASK.D	1715.979	-0.00229	2	1	31.9	0
P12163_2_F1,22263	K.NALDEFLASK.D	1715.979	0.00512	3	1	34.9	0
P12163_2_F2,12244	K.NVLQEK.K	1338.82	0.00518	3	1	23.4	0
P12163_1_F4,23913	K.QEIAEEVASM*LK.L	1972.088	0.01118	3	1	40.8	0
P12163_2_F1,18567	R.IGWPTSVPNEK.K	1937.095	0.00499	2	1	35.4	0
P12163_1_S1,16089	R.NCFLIAGSQSGVAGAC	2040.06	0.00286	3	1	53.7	0

P12163_1_S1,16114	R.NCFLIAGSQSGVAGAC	2040.06	0.0008	2	1	58.1	0
P12163_1_F5,17237	R.QAFNVAFQK.L	1660.963	0.00883	2	1	46.4	0
P12163_1_F5,17246	R.QAFNVAFQK.L	1660.963	0.00571	3	1	36.7	0
P12163_2_F2,17998	R.QAFNVAFQK.L	1660.963	0.00501	2	1	47.3	0
P12163_1_F4,21539	R.SLYGQFVLGK.G	1720.025	0.00455	3	1	38.1	0
P12163_1_F4,21541	R.SLYGQFVLGK.G	1720.025	0.00696	2	1	51.1	0
P12163_1_F9,19983	R.SLYGQFVLGK.G	1720.025	0.00653	3	1	28.7	0
P12163_2_F1,21070	R.SLYGQFVLGK.G	1720.025	0.00922	2	1	41.7	0
P12163_2_F1,21081	R.SLYGQFVLGK.G	1720.025	0.00722	3	1	42.7	0
P12163_2_F10,1907	K.DIDAVYLPLPTSMHVK	2407.352	-0.00028	3	1	25.6	0
P12163_2_F1,22280	K.TQLIIDAVK.T	1609.014	0.00471	3	1	35.1	0
P12163_2_F1,22292	K.TQLIIDAVK.T	1609.014	0.00609	2	1	48	0
P12163_2_F2,16971	K.WAVSVAQK.K	1496.904	0.00684	3	1	29.5	0
P12163_1_F2,12785	R.EEEASYFTNTR.C	1650.791	-0.00114	3	1	28.7	0
P12163_1_S1,20788	R.FGIIGAADIAR.K	1407.826	0.00188	3	1	50.5	0
P12163_1_S1,20927	R.FGIIGAADIAR.K	1407.826	0.00334	2	1	43.2	0
P12163_1_S1,21029	R.FGIIGAADIAR.K	1407.826	0.00563	3	1	49.1	0
P12163_1_F4,19483	R.GFEPIEIK.W	1540.919	0.0067	2	1	36.9	0
P12163_1_F4,19491	R.GFEPIEIK.W	1540.919	0.0089	3	1	33.3	0
P12163_2_F1,18833	R.GFEPIEIK.W	1540.919	0.0052	2	1	35.5	0
P12163_2_F1,18891	R.GFEPIEIK.W	1540.919	0.00593	3	1	34.4	0
P12163_2_F4,17073	R.GFEPIEIK.W	1540.919	-0.00115	3	1	34.6	0
P12163_2_F2,16520	R.LVANIK.N	1265.84	0.00196	3	1	28.4	0
P12163_1_F3,22438	R.SILWANDYELPK.T	2057.153	0.00693	3	1	27.6	0
P12163_1_F4,23150	R.SILWANDYELPK.T	2057.153	0.00277	2	1	45.7	0
P12163_2_F7,19370	R.SILWANDYELPK.T	2057.153	0.00771	3	1	29.7	0
P12163_1_F7,22115	R.VKPDL DGLGALGDAG	2681.487	0.00224	3	1	40.8	0
P12163_1_F7,22145	R.VKPDL DGLGALGDAG	2681.487	0.00564	4	1	43.9	0
P12163_1_F5,15169	K.FSACMQSTVK.E	1766.939	0.00763	2	1	36.8	0
P12163_1_F7,16226	K.FVATEGEGFHVSPGR.(	1893.976	-0.0003	3	1	73.4	0
P12163_1_F7,16239	K.FVATEGEGFHVSPGR.(	1893.976	0.00315	2	1	32.4	0
P12163_1_S1,20023	K.M*IISYVDNLPTGDEK.	2319.236	0.00803	3	1	33	0
P12163_1_S1,22232	K.MIISYVDNLPTGDEK.C	2303.241	0.00227	3	1	46.1	0
P12163_1_F8,21595	K.SVIALDGG LFEHYTK.F	2258.264	0.00821	3	1	44.9	0
P12163_2_F10,1893	K.SVIALDGG LFEHYTK.F	2258.264	0.00629	3	1	23	0
P12163_1_S10,9916	R.AHAIPK.W	1244.793	0.01042	3	1	23.8	0
P12163_1_F3,24502	R.LSAAGIVGILK.K	1650.077	0.0043	3	1	43.9	0
P12163_1_F4,25290	R.LSAAGIVGILK.K	1650.077	0.00364	3	1	22.8	0
P12163_2_F1,24608	R.LSAAGIVGILK.K	1650.077	0.00403	3	1	28.4	0
P12163_2_F7,19549	R.LSAAGIVGILK.K.L	2082.378	0	3	1	31	0
P12163_1_F4,14444	R.QTSIASGDLIK.W	1741.032	0.01507	3	1	24.1	0
P12163_1_F4,16704	R.QTSIASGDLIK.W	1741.032	0.00973	2	1	31.2	0
P12163_1_F4,16739	R.QTSIASGDLIK.W	1741.032	0.00634	3	1	30.7	0
P12163_2_F1,15842	R.QTSIASGDLIK.W	1741.032	0.00562	3	1	45	0
P12163_2_F1,15843	R.QTSIASGDLIK.W	1741.032	0.00581	2	1	44.1	0
P12163_1_F7,17598	R.QVADAMTVEMHAGL.	2697.38	0.00859	3	1	33.1	0
P12163_1_F7,17609	R.QVADAMTVEMHAGL.	2697.38	0.00644	4	1	39.7	0
P12163_2_F6,15676	K.CGSLITQCLHDAK.V	2111.12	0.00866	3	1	49.2	0
P12163_1_F2,16532	K.DLVFTTVR.D	1254.736	0.00266	3	1	29.4	0
P12163_2_F6,12994	R.ACAM*AGLHVLR.L	1518.819	0.00448	3	1	29.7	0
P12163_2_F6,16496	R.ACAMAGLHVLR.L	1502.824	0.00142	3	1	76.2	0

P12163_1_F2,19405	R.ANGNNFVPIIPR.N	1615.922	0.00345	2	1	40.2	0
P12163_1_F2,15695	R.AYGSTLDLETVQPK.K	2130.19	0.00284	3	1	22.6	0
P12163_1_F2,17795	R.AYGSTLDLETVQPK.K	2130.19	0.00826	2	1	31.6	0
P12163_2_F6,17429	R.AYGSTLDLETVQPK.K	2130.19	0.00518	3	1	31.2	0
P12163_1_F4,14047	R.EEFEEVNQK.V	1759.932	0.00692	2	1	45.9	0
P12163_1_F4,14056	R.EEFEEVNQK.V	1759.932	0.00779	3	1	39.5	0
P12163_1_F5,12670	R.EEFEEVNQK.V	1759.932	0.00792	2	1	24.9	0
P12163_2_F1,12997	R.EEFEEVNQK.V	1759.932	0.00588	2	1	43.6	0
P12163_2_F1,13086	R.EEFEEVNQK.V	1759.932	0.00637	3	1	40.4	0
P12163_1_F7,17280	R.LPTVDDGHGWCAEAL	2215.087	0.00402	3	1	30.9	0
P12163_2_F6,10971	R.VATQDAIHK.L	1590.942	0.00569	2	1	25.2	0
P12163_2_F6,10978	R.VATQDAIHK.L	1590.942	0.00336	3	1	29.5	0
P12163_1_F6,12249	R.VTDPVHASK.S	1776.011	0.00558	2	1	35.4	0
P12163_1_F7,11567	R.VTDPVHASK.S	1776.011	0.00669	3	1	37.3	0
P12163_1_F7,11584	R.VTDPVHASK.S	1776.011	0.00552	2	1	37.4	0
P12163_1_F5,13885	K.AEMEALK.G	1399.807	0.00795	3	1	29.5	0
P12163_1_F5,13960	K.AEMEALK.G	1399.807	0.00776	2	1	24.9	0
P12163_2_F1,14106	K.AEMEALK.G	1399.807	0.00357	3	1	33.3	0
P12163_2_F2,14656	K.AEMEALK.G	1399.807	0.00687	3	1	31.8	0
P12163_2_F2,11133	K.AIQSQYK.S	1445.857	0.00487	2	1	25.6	0
P12163_1_F4,17302	K.ENSINIYYEK.H	1881.021	0.00077	2	1	48.2	0
P12163_1_F9,16305	K.ENSINIYYEK.H	1881.021	0.00579	2	1	31.1	0
P12163_2_F1,16446	K.ENSINIYYEK.H	1881.021	0.00389	2	1	51.3	0
P12163_2_F1,16473	K.ENSINIYYEK.H	1881.021	0.00794	3	1	33.1	0
P12163_2_F9,16332	K.FKENSINIYYEK.H	2460.39	0.00997	3	1	35.2	0
P12163_1_F3,16060	K.MDYNADVMEK.F	1823.913	0.00201	2	1	42.9	0
P12163_1_F7,13476	K.SHVYSNPDNVTPGIVE	2275.162	0.00264	3	1	36.1	0
P12163_1_F7,13516	K.SHVYSNPDNVTPGIVE	2275.162	0.0003	2	1	42.3	0
P12163_2_F4,13102	K.SHVYSNPDNVTPGIVE	2275.162	0.006	3	1	45.7	0
P12163_2_F6,20044	R.ATIVDWPGLGYSDRPK	2383.323	-0.0027	3	1	32.1	0
P12163_2_S5,18851	R.ATIVDWPGLGYSDRPK	2383.323	0.00279	3	1	35	0
P12163_1_F3,28587	R.EEFLQLFADLEGK.L	2147.184	-0.0063	3	1	32	0
P12163_1_S1,15604	R.LVAQDIVQR.V	1345.81	0.00512	3	1	65.9	0
P12163_2_F1,19471	K.ADTYFQFTK.D	1728.942	0.00413	2	1	41.1	0
P12163_1_S1,10908	K.DLSVPAETR.V	1291.716	0.00562	3	1	26.9	0
P12163_1_F4,16176	K.ETLQETLGQ GK.K	1812.032	0.00843	2	1	42.2	0
P12163_1_F4,16215	K.ETLQETLGQ GK.K	1812.032	0.00229	3	1	38.9	0
P12163_2_F1,15336	K.ETLQETLGQ GK.K	1812.032	-0.00045	2	1	45	0
P12163_2_F1,15372	K.ETLQETLGQ GK.K	1812.032	-0.00002	3	1	27.4	0
P12163_1_F9,18690	K.HFLVVLAENGR.L	1558.901	0.00059	2	1	32	0
P12163_1_F9,18715	K.HFLVVLAENGR.L	1558.901	0.0041	3	1	51.1	0
P12163_2_F7,16805	K.HFLVVLAENGR.L	1558.901	0.00155	3	1	47.2	0
P12163_2_F9,17726	K.HFLVVLAENGR.L	1558.901	0.00152	3	1	46.8	0
P12163_2_F9,16109	K.KADTYFQFTK.D	2161.242	0.00479	3	1	27.9	0
P12163_1_F3,25431	K.VESEILDLVEASK.K	2040.168	0.01351	3	1	34.3	0
P12163_1_F3,27470	K.VESEILDLVEASK.K	2040.168	0.00631	3	1	39.4	0
P12163_1_F8,19091	R.FVELTMAHK.G	1683.971	0.00539	3	1	36.6	0
P12163_2_F6,18624	R.FVELTMAHK.G	1683.971	0.00368	3	1	35.1	0
P12163_1_F5,13072	R.NLDTIAK.R	1382.846	0.01125	2	1	26.7	0
P12163_1_F4,18344	R.VNAINEICTQAK.F	1969.1	0.00668	3	1	44.1	0
P12163_1_F4,18361	R.VNAINEICTQAK.F	1969.1	-0.00486	2	1	26.4	0

P12163_2_F6,10965	K.GGIGTM*HAPNLANR.	1728.912	0.00342	3	1	27.2	0
P12163_1_F8,14174	K.GGIGTMHAPNLANR.Y	1712.917	0.00204	3	1	40.7	0
P12163_1_F3,17162	K.IPQLPADAK.I	1560.957	0.0038	3	1	26.5	0
P12163_2_F1,16811	K.IPQLPADAK.I	1560.957	0.0074	2	1	25	0
P12163_1_F2,12835	K.LSEGQLIDGR.L	1391.78	0.00464	3	1	31.5	0
P12163_1_F8,15674	K.REDAQPLGFVTER.T	1951.019	0.00383	2	1	34.4	0
P12163_1_F8,15693	K.REDAQPLGFVTER.T	1951.019	0.00284	3	1	71.3	0
P12163_2_F6,15093	K.REDAQPLGFVTER.T	1951.019	0.00574	3	1	35.1	0
P12163_2_F6,15098	K.REDAQPLGFVTER.T	1951.019	0.00299	2	1	40.1	0
P12163_1_S1,13606	K.VLVGPASEEESR.G	1576.848	0.00201	2	1	26	0
P12163_1_S1,13792	K.VLVGPASEEESR.G	1576.848	-0.00064	3	1	55.8	0
P12163_1_S1,13861	K.VLVGPASEEESR.G	1576.848	0.00389	2	1	25.9	0
P12163_1_F2,17062	R.FEAPCVLQNNR.E	1651.853	0.00275	3	1	26	0
P12163_2_F1,19756	R.FGTTGTSPWIK.L	1803.026	0.00286	3	1	38	0
P12163_1_F4,7659	R.HVIHCK.G	1401.824	0.00535	3	1	23.3	0
P12163_1_F5,6342	R.HVIHCK.G	1401.824	0.00403	3	1	25.6	0
P12163_2_F4,6635	R.HVIHCK.G	1401.824	0.00193	3	1	24.5	0
P12163_1_F2,20255	R.SIDTWVAEYR.K	1543.806	0.0031	2	1	38.1	0
P12163_1_F7,20879	K.CSHGAAISDLEESQLF'	2733.324	0.00333	3	1	31.5	0
P12163_2_F1,17787	K.VENPIYLK.Y	1583.962	0.00435	2	1	27	0
P12163_1_F3,15795	K.YLSVEGGNVDSK.K	1876.027	0.00212	2	1	38.4	0
P12163_1_F4,14684	K.YLSVEGGNVDSK.K	1876.027	0.00796	3	1	35.4	0
P12163_1_F4,16225	K.YLSVEGGNVDSK.K	1876.027	0.00603	2	1	37	0
P12163_1_F4,16241	K.YLSVEGGNVDSK.K	1876.027	0.00076	3	1	40.4	0
P12163_2_F9,14540	K.YLSVEGGNVDSK.K	1876.027	0.00862	3	1	50.7	0
P12163_1_F2,10832	R.GIDLETAR.K	1178.668	0.00144	3	1	45.2	0
P12163_1_F7,13120	R.HSYLQNQSLNAAHIK.'	2332.298	0.00363	4	1	29.4	0
P12163_1_F9,12800	R.LVLDHPR.G	1153.699	0.00184	3	1	43.1	0
P12163_1_F9,10167	R.NQVVSHVK.N	1518.921	0.00561	2	1	35	0
P12163_2_F9,9685	R.NQVVSHVK.N	1518.921	0.00486	3	1	55.6	0
P12163_1_F2,17123	R.SLLEPR.A	1131.704	0.00215	2	1	30	0
P12163_1_F3,13895	R.SLLEPR.A	1131.704	0.00434	3	1	27.3	0
P12163_2_F1,17060	R.SLLEPR.A	1131.704	0.00297	2	1	32.3	0
P12163_1_S1,9864	R.YAQQTDAGQLTR.S	1655.865	0.00212	3	1	44.8	0
P12163_1_S1,10095	R.YAQQTDAGQLTR.S	1655.865	0.00416	3	1	38.6	0
P12163_1_S1,11357	R.YAQQTDAGQLTR.S	1655.865	0.00392	3	1	34.8	0
P12163_1_F7,13351	K.ENVAPHLIPHK.T	1863.106	0.0039	3	1	34.3	0
P12163_1_F4,23857	K.LYQLAEAAQLNNK.I	2084.196	0.00491	3	1	64.8	0
P12163_1_F4,23897	K.LYQLAEAAQLNNK.I	2084.196	0.00413	2	1	42.5	0
P12163_2_F1,23315	K.LYQLAEAAQLNNK.I	2084.196	0.00265	2	1	32.1	0
P12163_2_F1,23382	K.LYQLAEAAQLNNK.I	2084.196	0.00236	3	1	63.5	0
P12163_2_F9,20413	K.LYQLAEAAQLNNK.I	2084.196	0.00542	3	1	55	0
P12163_1_F5,12715	K.SQQPVYLK.G	1570.941	0.01002	2	1	28.9	0
P12163_2_F2,13545	K.SQQPVYLK.G	1570.941	0.0158	2	1	25.8	0
P12163_1_S1,14779	K.TFTTAETMLNAR.T	1659.868	0.00482	3	1	25.5	0
P12163_1_F3,20175	R.AILPYSQALEK.F	1841.099	0.01047	3	1	46.2	0
P12163_2_F1,20109	R.AILPYSQALEK.F	1841.099	-0.00231	3	1	34.5	0
P12163_1_S1,11937	R.DLMSDTR.C	1256.609	0.00378	2	1	23.9	0
P12163_1_F2,22754	R.FLANVDPIDVAK.S	1910.121	0.00515	3	1	52.8	0
P12163_1_F2,22765	R.FLANVDPIDVAK.S	1910.121	0.00833	2	1	26.5	0
P12163_2_F4,14395	R.SVLHVALR.A	1198.757	0.00365	3	1	27.4	0

P12163_1_F3,23537	R.VIPCDFIGVVK.S	1855.097	0.00271	3	1	28.9	0
P12163_1_F3,23550	R.VIPCDFIGVVK.S	1855.097	0.00815	2	1	32.6	0
P12163_1_F4,15275	K.ALELCNEEQK.K	1841.989	0.00502	2	1	51.3	0
P12163_1_F4,15293	K.ALELCNEEQK.K	1841.989	0.00626	3	1	50.3	0
P12163_1_F5,14010	K.ALELCNEEQK.K	1841.989	0.00624	2	1	46.2	0
P12163_2_F1,14153	K.ALELCNEEQK.K	1841.989	0.0021	2	1	44.1	0
P12163_1_F4,15642	K.EVQAVLK.S	1394.883	0.00394	2	1	33.9	0
P12163_1_F9,11552	K.LVHENYGK.V	1567.905	0.00605	3	1	36.7	0
P12163_1_F7,19015	K.QELLNDPAFEFDHDSR	2237.078	-0.00148	3	1	49.4	0
P12163_1_F7,19135	K.QELLNDPAFEFDHDSR	2237.078	0.00572	3	1	53.1	0
P12163_1_F6,9468	K.SIEAHPTK.E	1490.879	-0.00018	3	1	25.6	0
P12163_1_S1,20682	K.VGMIAANDGVLLR.N	1632.941	0.0026	2	1	48.3	0
P12163_1_F3,16154	K.VGTDIEDYK.C	1647.905	0.00817	2	1	32.7	0
P12163_1_F9,14084	K.YSLPLHR.R	1189.699	0.00456	3	1	39.1	0
P12163_2_F4,13241	K.YSLPLHR.R	1189.699	0.0027	3	1	46.5	0
P12163_2_F9,13215	K.YSLPLHR.R	1189.699	0.00279	3	1	38.3	0
P12163_1_F4,18083	R.MLDYNVPGGK.L	1701.945	0.00531	3	1	24	0
P12163_2_F1,17335	R.MLDYNVPGGK.L	1701.945	0.00391	2	1	37.8	0
P12163_2_F1,17342	R.MLDYNVPGGK.L	1701.945	0.00612	3	1	29.2	0
P12163_1_F5,14446	K.APLGGLK.K	1263.824	0.007	3	1	26	0
P12163_2_F2,15187	K.APLGGLK.K	1263.824	0.00115	3	1	22.6	0
P12163_1_F4,25968	K.EANNFLWPFK.L	1874.042	0.00392	3	1	27.4	0
P12163_2_F1,25119	K.EANNFLWPFK.L	1874.042	0.00305	3	1	39	0
P12163_1_F3,16514	K.GGFYVDPEAK.L	1690.926	0.00768	2	1	34.5	0
P12163_1_F5,13562	R.GINAIDPK.T	1435.873	0.00664	2	1	23.9	0
P12163_1_F3,19593	R.IALTDNSIIEK.A ! R.IAI	1825.089	0.00338	3	1	41.7	0
P12163_2_F2,16506	R.NEEWALAK.K	1568.889	0.0068	2	1	31.9	0
P12163_1_F9,6825	R.NHYVEGGDAGNR.E	1592.772	0.0047	3	1	33.7	0
P12163_2_S5,7485	R.NHYVEGGDAGNR.E	1592.772	0.00062	3	1	30	0
P12163_1_F4,23335	R.QIFNGVFLK.V	1674.02	0.00222	3	1	28.6	0
P12163_2_F1,22789	R.QIFNGVFLK.V	1674.02	0.00618	2	1	51	0
P12163_2_F1,22794	R.QIFNGVFLK.V	1674.02	0.00372	3	1	33.2	0
P12163_1_F3,20272	R.VEPYVTYGYPNLK.S	2151.195	0.00245	2	1	55.4	0
P12163_2_F6,19286	R.VEPYVTYGYPNLK.S	2151.195	-0.00247	3	1	35.7	0
P12163_2_F6,19337	R.VEPYVTYGYPNLK.S	2151.195	0.00333	2	1	43.1	0
P12163_1_F3,14795	K.ALPGDGLSETK.E	1695.974	0.00822	3	1	30.8	0
P12163_1_F3,14806	K.ALPGDGLSETK.E	1695.974	0.00211	2	1	25.7	0
P12163_2_F6,18432	K.DAGVVLSYDPNLR.L	1722.933	0.0015	2	1	26.3	0
P12163_1_F8,13855	K.KAPGGAPANVAVGIAI	2057.244	0.00661	3	1	39.4	0
P12163_2_F6,13391	K.KAPGGAPANVAVGIAI	2057.244	0.00487	3	1	42.9	0
P12163_1_S1,20370	K.LLLVTEGPDGCR.Y	1633.888	-0.00423	2	1	25.1	0
P12163_1_S1,20404	K.LLLVTEGPDGCR.Y	1633.888	0.0029	3	1	45	0
P12163_1_S1,20610	K.LLLVTEGPDGCR.Y	1633.888	0.00583	2	1	37.8	0
P12163_1_S1,20640	K.LLLVTEGPDGCR.Y	1633.888	0.00587	3	1	40.4	0
P12163_1_F5,7803	K.SAHIAAAK.A	1376.847	0.00372	3	1	25.1	0
P12163_1_F9,8741	K.SAHIAAAK.A	1376.847	0.00783	3	1	25.9	0
P12163_2_F4,8216	K.SAHIAAAK.A	1376.847	-0.00215	2	1	40.2	0
P12163_1_S1,19295	R.EAVLNAIHAPVS.-	1524.869	0.00076	3	1	45.2	0
P12163_1_S1,16181	R.FANACGALTVM*ER.G	1759.877	0.00523	3	1	44.5	0
P12163_1_S1,14499	R.GAIPALPTR.E	1199.741	0.00177	3	1	35.5	0
P12163_2_F1,17019	R.LGGSSAFIGK.V	1544.926	0.00647	3	1	26.8	0

P12163_1_S1,24187	K.GFASISEAIEDIR.Q	1711.917	0.00239	3	1	44.2	0
P12163_1_S1,25284	K.IISIADLIR.Y	1317.841	0.00415	3	1	22.9	0
P12163_1_S1,25291	K.IISIADLIR.Y	1317.841	0.00376	2	1	34.8	0
P12163_1_F7,19413	K.TSDFFPNDDDEFDLDRP	2767.367	0.00957	3	1	33.8	0
P12163_1_F2,7988	K.YGTTTGV SANDR.A	1545.781	0.00475	3	1	30.6	0
P12163_1_F4,17522	R.CDCGNQLALAMK.Q	1989.018	-0.00168	2	1	25.5	0
P12163_1_F2,23745	R.IPLLTPTM*ENK.R	1994.182	0.00793	3	1	26.9	0
P12163_1_S1,22486	R.IPLLTPTM ENK.R	1978.187	0.0052	3	1	32.6	0
P12163_2_F6,20308	R.LELPLM*VNHK.D	1818.077	0.00817	3	1	29.8	0
P12163_1_F8,20728	R.LELPLMVN HK.D	1802.082	0.00365	3	1	41.3	0
P12163_1_F5,13257	R.QFAQTENLK.I	1686.963	0.00965	2	1	32.2	0
P12163_2_F2,14022	R.QFAQTENLK.I	1686.963	0.00213	2	1	33.1	0
P12163_1_F8,15642	R.VHSECLTGDIFGSAR.C	1952.98	0.00879	3	1	24.8	0
P12163_1_F8,17784	R.VHSECLTGDIFGSAR.C	1952.98	0.00519	3	1	83	0
P12163_2_F6,17293	R.VHSECLTGDIFGSAR.C	1952.98	0.00186	3	1	73.6	0
P12163_1_F6,13023	K.CELGAGHFSK.S	1713.92	0.00666	3	1	23.4	0
P12163_2_F1,23843	K.FLFIASESK.I	1649.972	0.00138	2	1	24.6	0
P12163_2_F1,23858	K.FLFIASESK.I	1649.972	0.00438	3	1	29.2	0
P12163_2_F9,18052	K.KIEDNMFAELK.G	2250.293	0.01265	3	1	38.3	0
P12163_1_F7,15252	K.LEADQSN DICLYHEK.I	2443.238	0.00358	3	1	40.7	0
P12163_1_F5,12175	K.SYSPVDNVK.A	1616.91	0.00756	2	1	25.2	0
P12163_1_S10,1457	R.GNHFFITR.R	1295.716	0.00379	3	1	29.7	0
P12163_2_F8_1207	R.GNHFFITR.R	1295.716	0.00241	3	1	27.1	0
P12163_1_F3,18418	R.LPAVGEPLK.S	1531.967	0.00712	2	1	28.1	0
P12163_1_F3,18877	R.SDPEVLAYLK.Q	1743.015	0.00683	3	1	31.3	0
P12163_1_F3,20829	R.SDPEVLAYLK.Q	1743.015	0.00753	2	1	37.7	0
P12163_1_F8,10915	R.VVGVDTAASHR.G	1415.791	0.00609	2	1	27	0
P12163_1_F8,10929	R.VVGVDTAASHR.G	1415.791	0.00435	3	1	82.2	0
P12163_2_F6,10719	R.VVGVDTAASHR.G	1415.791	0.00018	3	1	58.6	0
P12163_2_F6,10744	R.VVGVDTAASHR.G	1415.791	0.00113	2	1	52.5	0
P12163_1_F3,19274	K.ALEECLLR.I	1307.729	0.00317	2	1	24	0
P12163_1_F3,18284	K.ESGDILSLEEK.F	1828.016	0.00651	3	1	22.2	0
P12163_1_S1,24215	K.VFVIFGGDTSER.Q	1630.874	0.00167	3	1	35	0
P12163_1_S1,24277	K.VFVIFGGDTSER.Q	1630.874	0.00349	2	1	25.2	0
P12163_2_F7,13332	K.VGFSHSNILR.T	1433.817	0.00165	3	1	32.1	0
P12163_1_F2,15959	K.YNVPFVGTGSR.A	1500.811	0.00415	3	1	35.9	0
P12163_1_F9,12780	R.AAFTSHLR.N	1206.69	0.00189	3	1	33	0
P12163_2_F9,12131	R.AAFTSHLR.N	1206.69	0.0015	3	1	41.6	0
P12163_2_F9,12140	R.AAFTSHLR.N	1206.69	0.00525	3	1	31.6	0
P12163_2_F9,12381	R.AAFTSHLR.N	1206.69	-0.00045	3	1	25.6	0
P12163_2_F8_1207	R.HSINEWIK.L	1634.947	0.00358	3	1	25.9	0
P12163_2_S5,18447	R.SVLDHIQGDDLLVR.C	1884.049	-0.00524	2	1	27.8	0
P12163_2_S5,18482	R.SVLDHIQGDDLLVR.C	1884.049	0.00174	3	1	37.1	0
P12163_1_F2,16806	R.VGLICG GPSAER.G	1519.82	0.00464	2	1	31.6	0
P12163_2_F2,18661	K.AAFGNVWK.L	1500.878	0.00392	3	1	31.9	0
P12163_2_F2,18691	K.AAFGNVWK.L	1500.878	0.00601	2	1	34.2	0
P12163_1_S1,16819	K.DPLVLGVR.V	1172.73	0.00167	2	1	33.5	0
P12163_1_S1,11589	K.ESELVEAVDR.D	1450.769	0.00416	3	1	34.6	0
P12163_1_S1,16563	K.ESELVEAVDR.D	1450.769	0.00354	2	1	41.2	0
P12163_1_F9,11872	K.GFGQLHPR.S	1215.69	0.00185	3	1	33.7	0
P12163_1_S10,1234	K.GFGQLHPR.S	1215.69	0.00614	3	1	22.6	0

P12163_2_F9,11292	K.GFGQLHPR.S	1215.69	0.00197	3	1	30.3	0
P12163_1_F4,8217	K.GQTVGSFR.K	1155.642	0.00395	3	1	25.2	0
P12163_2_F7,13985	K.KESELVEAVDR.D	1883.069	-0.01747	3	1	31	0
P12163_2_F1,20404	K.LEQTGGSHIGGTFK.A	2016.159	0.00457	2	1	41	0
P12163_1_F2,16283	R.NLGDEVFER.L	1382.722	0.00298	2	1	33.7	0
P12163_1_F2,16708	R.TECLIDGELK.G	1785.988	0.00454	2	1	40.3	0
P12163_2_F1,18122	R.TECLIDGELK.G	1785.988	0.00828	2	1	23.9	0
P12163_1_F4,15211	K.AGLVTVQGK.I	1480.931	0.00228	2	1	24.9	0
P12163_1_F4,15495	K.ELAEQIAK.D	1509.91	0.00136	2	1	38.2	0
P12163_2_F1,14494	K.ELAEQIAK.D	1509.91	0.00778	2	1	36.9	0
P12163_2_F1,14516	K.ELAEQIAK.D	1509.91	0.00384	3	1	23.4	0
P12163_1_S1,19562	K.LLVVCQEGLR.S	1490.867	0.00175	3	1	37.8	0
P12163_1_F6,12655	K.LNSQHDVVK.L	1661.979	0.00605	3	1	28.5	0
P12163_2_F7,11491	K.LNSQHDVVK.L	1661.979	-0.00452	2	1	36.8	0
P12163_2_F7,11500	K.LNSQHDVVK.L	1661.979	0.00491	3	1	24.7	0
P12163_2_F6,10708	K.NALAAGADKDEEDSE	2356.184	0.00904	3	1	37.4	0
P12163_2_F4,12064	K.NTALHYAAGYGR.K	1597.839	-0.00662	2	1	28.5	0
P12163_1_F4,14869	K.QNPEFVQSVK.S	1784.016	0.00808	3	1	30.4	0
P12163_1_F3,6418	K.SEATSGSVR.D	1197.638	0.00266	2	1	29.4	0
P12163_1_F7,15665	R.TALHFACGYGEVK.C	2061.105	0.00756	3	1	38.8	0
P12163_2_F9,15371	R.TALHFACGYGEVK.C	2061.105	0.00693	3	1	22.5	0
P12163_1_F8,19089	K.ACEDLIFNHLK.Q	1968.083	0.0059	3	1	36.7	0
P12163_2_F6,18622	K.ACEDLIFNHLK.Q	1968.083	0.00947	3	1	47.5	0
P12163_2_F6,18651	K.ACEDLIFNHLK.Q	1968.083	0.00843	2	1	48.6	0
P12163_1_F2,20718	K.DAFIEALR.Q	1238.705	0.00804	2	1	31.5	0
P12163_1_F3,20383	K.FLDTAVDAAK.R	1658.957	0.00465	3	1	45.9	0
P12163_1_F3,20389	K.FLDTAVDAAK.R	1658.957	0.00869	2	1	44.7	0
P12163_1_F3,14734	K.GQVDLVTTETDK.A	1813.016	0.00716	2	1	50.7	0
P12163_1_S1,24740	K.LLGDILLDR.S	1331.82	0.00458	2	1	37.1	0
P12163_2_F1,14390	K.SLLATEAGTK.R	1598.957	0.0042	2	1	41.3	0
P12163_1_F4,14078	K.VSSQTELVK.S	1598.957	0.01062	2	1	36.2	0
P12163_2_F1,13108	K.VSSQTELVK.S	1598.957	0.00534	2	1	34.1	0
P12163_1_S1,18238	R.MSGSCALNLCGIACGF	2030.955	0.00357	3	1	29.1	0
P12163_1_F9,9518	R.VAASNPHVK.D	1530.921	0.00775	3	1	32.1	0
P12163_1_F8,19146	K.ASHVGFGLVLGEDGK	2094.18	-0.00268	3	1	38.7	0
P12163_1_F3,18539	K.AVVDFSSPNIK.E	1856.074	0.00338	2	1	55.8	0
P12163_2_F6,18325	K.GNTAVYLLYAHARI	1752.97	-0.00377	3	1	32.9	0
P12163_1_F4,15224	K.GPQPVGQAIMK.N	1734.019	-0.00086	2	1	31.6	0
P12163_2_F1,14146	K.GPQPVGQAIMK.N	1734.019	0.00372	2	1	31.9	0
P12163_1_F8,13311	K.TGSLVLDHADER.A	1616.855	0.00421	3	1	33	0
P12163_1_F4,24239	K.VFDLALK.A	1413.893	0.00548	3	1	25.3	0
P12163_1_F4,24247	K.VFDLALK.A	1413.893	0.00583	2	1	29.9	0
P12163_2_F1,23694	K.VFDLALK.A	1413.893	0.00597	2	1	32.9	0
P12163_1_S1,14992	R.FYSNCQVVGSAEETS	2138.013	0.01793	2	1	25.9	0
P12163_1_F3,25131	R.LVDLLDEAK.N	1623.978	0.00714	3	1	27.3	0
P12163_1_F3,25146	R.LVDLLDEAK.N	1623.978	0.00802	2	1	52.5	0
P12163_1_S1,22351	R.MLEFSNVEVLR.R	1640.898	0.00588	3	1	30	0
P12163_2_F6,10495	K.NPANLAQHQANPK.V	2011.129	0.00372	3	1	24.4	0
P12163_1_F5,12413	K.QFIDQCK.S	1546.851	0.01057	3	1	22.1	0
P12163_2_F2,13241	K.QFIDQCK.S	1546.851	0.00875	2	1	33.4	0
P12163_1_F4,16866	K.VAPIIAK.M	1319.887	0.00241	3	1	31.6	0

P12163_1_F5,9936	R.AEAQAAYEK.A	1588.879	0.00864	3	1	27.7	0
P12163_1_S1,15303	R.DATAALEINPDSAK.G	2024.112	0.00459	2	1	70.4	0
P12163_1_F6,15657	R.DYLES LHAK.V	1683.953	0.006	3	1	29.9	0
P12163_2_F6,15000	R.DYLES LHAK.V	1683.953	-0.00058	2	1	28.6	0
P12163_2_F1,8325	R.EAAAEAK.A	1297.757	0.00598	2	1	26.2	0
P12163_2_F1,8329	R.EAAAEAK.A	1297.757	0.00707	3	1	23.4	0
P12163_2_F2,8617	R.EAAAEAK.A	1297.757	0.00412	2	1	28.6	0
P12163_2_F8,12070	R.IEEHR.R ! R.IEEHR.V !	987.5524	0.00256	3	1	25.2	0
P12163_1_S10,1050	R.RAEQAAYEK.A	1744.98	0.00684	3	1	27.4	0
P12163_1_F4,24292	K.AQYLLLSSVYK.L	1893.131	0.00762	3	1	28	0
P12163_2_F1,23734	K.AQYLLLSSVYK.L	1893.131	0.00008	2	1	37.7	0
P12163_2_F1,23770	K.AQYLLLSSVYK.L	1893.131	0.00456	3	1	33	0
P12163_2_F9,20578	K.AQYLLLSSVYK.L	1893.131	0.00231	3	1	37.5	0
P12163_2_F6,22220	K.LADFPTIFHGAGR.K	1705.933	0.00119	3	1	37.7	0
P12163_2_F2,16862	K.QIVQDWK.T	1524.899	0.00787	2	1	28.7	0
P12163_1_F3,18457	R.DEITELVK.R ! R.DEITE	1554.92	0.00471	2	1	27.6	0
P12163_1_F4,18963	R.DEITELVK.R ! R.DEITE	1554.92	0.00663	2	1	31.5	0
P12163_1_F2,22291	R.EAAAENGSSITNLDAF	2459.324	0.00409	3	1	48.2	0
P12163_1_S1,20503	R.GIVVPWCDQLR.V	1646.899	0.00773	3	1	36.9	0
P12163_2_S5,15132	R.KILHAALQSASK.V	2179.369	0.00684	4	1	29.1	0
P12163_1_F9,18127	R.NGHFPFDLSEK.G	1899.022	0.00203	3	1	22.8	0
P12163_1_F6,12748	R.TLPNTIPSEHGR.A	1625.891	0.00217	3	1	26.7	0
P12163_1_F7,17046	K.DEDAFFTDYAASHK.K	2225.097	0.00797	3	1	61.4	0
P12163_2_F6,15866	K.DIVALSGGHTLGR.A !	1599.912	-0.0068	3	1	48.5	0
P12163_1_S10,1416	K.DSSESPEEGRLPDAAQ	2641.312	0.00439	4	1	33.6	0
P12163_1_F3,26100	K.FDNSYFVELLK.G	1983.105	0.00572	3	1	28.8	0
P12163_1_F3,25662	K.LSELGFNPPSLGFK.D	2114.211	0.00562	3	1	47.2	0
P12163_1_F3,22289	M.VGSIAIDAEYLK.E	1887.105	0.01918	3	1	27.9	0
P12163_2_F8,12070	R.AHPER.S	913.5157	0.00225	3	1	29.2	0
P12163_1_S10,16710	R.M*GLSDKDIVALSGGF	2551.412	0.01	4	1	39.5	0
P12163_2_F10,1696	R.M*GLSDKDIVALSGGF	2551.412	0.003	4	1	33.8	0
P12163_1_F3,6733	R.TGGPDGSIR.H	1163.632	0.00394	3	1	26.7	0
P12163_1_S1,6886	R.TGGPDGSIR.H	1163.632	0.00628	3	1	28.3	0
P12163_1_S1,7993	R.TGGPDGSIR.H	1163.632	0.00448	2	1	24.6	0
P12163_1_F4,25820	K.AIEM*M*LLSK.S	1675.958	0.01019	3	1	35.3	0
P12163_2_F1,24919	K.AIEM*MLLSK.S	1659.963	0.0035	3	1	31.2	0
P12163_2_F1,16795	K.EVNSEYLLK.G	1702.984	-0.0017	2	1	25.4	0
P12163_2_F2,14403	K.GLYTYEK.G	1481.846	0.00666	3	1	24.8	0
P12163_1_F5,21445	K.IFSELEK.A	1473.877	0.00896	3	1	26.2	0
P12163_1_F5,21450	K.IFSELEK.A	1473.877	0.01035	2	1	25.1	0
P12163_1_F3,12032	K.LGSLSEAR.E	1136.658	0.00578	3	1	25.9	0
P12163_1_F8,17697	K.VPNVTDIGLKPR.G	1917.174	0.00507	3	1	40.7	0
P12163_2_F6,17241	K.VPNVTDIGLKPR.G	1917.174	0.00426	3	1	44.8	0
P12163_2_F7,17981	R.GLVHVFFAQR.A	1477.858	-0.00064	3	1	26.1	0
P12163_1_F3,27594	R.SFQSPLVDLLK.S	1968.199	0.00819	3	1	35.5	0
P12163_1_F3,26630	R.TSAQVILDLMTVGK.I	2084.225	0.01084	3	1	35.4	0
P12163_1_S1,11367	K.AGALGDTVTVTR.D	1464.832	0.00251	3	1	41.3	0
P12163_1_F3,9459	K.AISGVQTVR.F	1234.742	0.00677	3	1	22.3	0
P12163_2_F6,15381	K.GATFTIDCAKPVEDK.I	2564.416	0.00822	3	1	29.3	0
P12163_1_F3,22783	K.IMDIASLEK.F	1627.955	0.00852	2	1	50.7	0
P12163_1_F4,23552	K.IMDIASLEK.F	1627.955	0.00652	2	1	26.5	0

P12163_1_F4,23569	K.IMDIASLEK.F	1627.955	0.00712	3	1	25.1	0
P12163_1_F3,20082	K.ITVLSDSNFSK.R	1819.042	0.00271	2	1	25.9	0
P12163_2_F6,15501	K.LHPLSPEVISR.Q	1551.916	0.00224	3	1	29.6	0
P12163_1_F7,19599	K.VDLIQENVAINQHEAI	2689.48	0.0029	3	1	43.7	0
P12163_2_F2,6459	R.GSGGAAGGGAK.G	1397.796	0.00782	2	1	48.4	0
P12163_2_F2,6475	R.GSGGAAGGGAK.G	1397.796	0.0048	3	1	47.7	0
P12163_1_S1,21017	R.NFIDPPNMIVIR.S	1732.972	0.00177	3	1	43.2	0
P12163_1_F8,17539	K.ADGFAGVFPCHK.Y ! f	1883.027	0.01005	3	1	39.8	0
P12163_2_F6,17048	K.ADGFAGVFPCHK.Y ! f	1883.027	0.00294	3	1	39.6	0
P12163_1_F3,26605	K.GAPEQILNLVLNK.S	2017.227	0.00918	3	1	26.4	0
P12163_1_F3,19031	K.MITGDQLAIAK.E	1769.045	0.01124	3	1	35.5	0
P12163_1_F4,24673	K.NLIEIFAK.G	1555.967	0.00959	3	1	26.6	0
P12163_1_F9,14383	K.VHAIDK.Y ! R.VHAIII	1403.883	0.00995	3	1	30.8	0
P12163_1_F4,18782	R.ALNLGVNVK.M	1535.973	0.01072	3	1	32.1	0
P12163_2_F1,18020	R.ALNLGVNVK.M	1535.973	-0.00017	2	1	35.9	0
P12163_1_F8,21320	R.ANIQEVHFLPFNPTDK.	2478.36	0.011	3	1	42	0
P12163_2_S5,6781	R.HDSAETIR.R	1232.654	-0.00015	3	1	26.8	0
P12163_2_F1,20053	R.LLEGDPLK.I ! R.LLEGI	1492.919	0.0018	2	1	26.8	0
P12163_1_F7,18519	K.AEGEVILEDVKPIAGQ	2519.429	0.00427	3	1	32.4	0
P12163_1_F7,17253	K.DPNRPFPTGQAGDAA	2689.488	0.00603	4	1	29.4	0
P12163_2_F6,20677	K.ELFTHENILGLK.D	2022.184	0.00498	2	1	45.3	0
P12163_1_F4,13512	K.ENVTVAQVK.Q	1595.958	0.00877	2	1	29.8	0
P12163_1_S1,23863	K.QSNILEDLETLR.L	1734.954	0.00391	3	1	50.3	0
P12163_1_F2,21689	K.VVNIPLR.G	1227.809	0.00362	2	1	25	0
P12163_1_F3,22547	M.VVLAASIVSK.S	1595.035	0.01013	2	1	43.4	0
P12163_1_F3,27088	R.IEGLLAAFPK.L	1667.035	0.00637	3	1	29.8	0
P12163_1_F4,27902	R.IEGLLAAFPK.L	1667.035	0.00676	3	1	28	0
P12163_2_F2,20255	R.TNQFLESLK.A	1687.984	0.00568	3	1	26.1	0
P12163_1_F3,15784	K.EVDEQMINVQNK.N ! I	2055.1	0.005	2	1	71.2	0
P12163_2_S5,21042	K.FWEVICDEHGVDPTGF	2497.264	0.00572	4	1	22.6	0
P12163_1_S1,23245	K.LAVNLIPFPR.L	1443.899	0.00187	3	1	36.6	0
P12163_2_F6,14445	K.YRGDGVEDLQLER.I	1853.966	0.00526	3	1	37.2	0
P12163_1_F2,15019	R.FPQQLNSDLR.K	1450.796	0.00178	3	1	40.8	0
P12163_1_F3,16568	R.INVYYNEASGGR.Y	1646.844	0.00801	2	1	28.8	0
P12163_1_F8,22050	R.KLAVNLIPFPR.L	1876.199	0.00927	3	1	27.8	0
P12163_2_F6,21707	R.KLAVNLIPFPR.L	1876.199	0.00288	3	1	34	0
P12163_1_F8,24105	R.LHFFM*VGFAPLTSR.C	1943.051	0.00513	3	1	43.6	0
P12163_1_F3,17068	R.YLTASAMFR.G	1363.735	0.00428	3	1	38.5	0
P12163_1_F4,11672	K.GTQISTQLK.E	1583.958	-0.00005	3	1	22.4	0
P12163_1_F4,13865	K.GTQISTQLK.E	1583.958	0.00537	2	1	25.2	0
P12163_1_F4,13866	K.GTQISTQLK.E	1583.958	0.00295	3	1	37.9	0
P12163_1_F5,10221	K.GTQISTQLK.E	1583.958	0.00706	3	1	22.6	0
P12163_1_F5,12401	K.GTQISTQLK.E	1583.958	0.01126	3	1	26	0
P12163_1_F5,13279	K.GTQISTQLK.E	1583.958	0.00527	2	1	30	0
P12163_1_F5,13527	K.GTQISTQLK.E	1583.958	0.00673	2	1	24.1	0
P12163_1_F5,13579	K.GTQISTQLK.E	1583.958	0.00508	3	1	22.8	0
P12163_1_F6,13326	K.GTQISTQLK.E	1583.958	0.00295	3	1	24.4	0
P12163_1_F6,13346	K.GTQISTQLK.E	1583.958	0.00599	2	1	30.9	0
P12163_1_F7,12097	K.GTQISTQLK.E	1583.958	0.00167	2	1	26.4	0
P12163_1_F7,12120	K.GTQISTQLK.E	1583.958	0.0049	3	1	35	0
P12163_1_F7,12683	K.GTQISTQLK.E	1583.958	0.00514	3	1	22.4	0

P12163_1_S10,1316 K.GTQISTQLK.E	1583.958	0.0061	3	1	29.9	0
P12163_2_F1,12811 K.GTQISTQLK.E	1583.958	0.00685	2	1	33	0
P12163_2_F1,13066 K.GTQISTQLK.E	1583.958	0.00616	3	1	34.6	0
P12163_2_F1,13067 K.GTQISTQLK.E	1583.958	0.00575	2	1	24.4	0
P12163_2_F2,13253 K.GTQISTQLK.E	1583.958	0.00781	2	1	26.4	0
P12163_2_F2,13272 K.GTQISTQLK.E	1583.958	0.00703	3	1	22.4	0
P12163_2_F2,13488 K.GTQISTQLK.E	1583.958	0.00821	2	1	29.5	0
P12163_2_F2,13709 K.GTQISTQLK.E	1583.958	0.00641	2	1	25.6	0
P12163_2_F4,12368 K.GTQISTQLK.E	1583.958	0.00715	3	1	22.7	0
P12163_2_F8_12070 K.GTQISTQLK.E	1583.958	0.00664	3	1	36	0
P12163_2_S5,11687 K.GTQISTQLK.E	1583.958	0.00376	3	1	32.2	0
P12163_2_S5,11743 K.GTQISTQLK.E	1583.958	0.00509	2	1	35.2	0
P12163_1_F5,14287 K.INSEYLK.T	1474.873	0.0055	3	1	34.8	0
P12163_1_F5,14514 K.INSEYLK.T	1474.873	0.00719	2	1	26.3	0
P12163_1_S10,1293 K.INSEYLK.T	1474.873	0.0058	3	1	25.1	0
P12163_1_S10,1495 K.INSEYLK.T	1474.873	0.00418	3	1	35.8	0
P12163_1_S10,1497 K.INSEYLK.T	1474.873	0.00801	2	1	26.2	0
P12163_2_F2,15004 K.INSEYLK.T	1474.873	0.00454	3	1	21.9	0
P12163_2_F2,15181 K.INSEYLK.T	1474.873	0.00561	2	1	27.1	0
P12163_2_F2,15284 K.INSEYLK.T	1474.873	0.00634	3	1	33.2	0
P12163_2_F2,15421 K.INSEYLK.T	1474.873	0.00763	2	1	26.6	0
P12163_2_F2,15517 K.INSEYLK.T	1474.873	0.00316	3	1	24.4	0
P12163_2_F2,15665 K.INSEYLK.T	1474.873	0.00437	2	1	26.4	0
P12163_2_F4,14000 K.INSEYLK.T	1474.873	0.00213	2	1	24.2	0
P12163_2_S5,13634 K.INSEYLK.T	1474.873	0.00106	3	1	36.2	0
P12163_1_F6,15202 K.TLEHFYPLAGR.V	1607.885	0.00099	3	1	23.4	0
P12163_1_F6,18583 K.TLEHFYPLAGR.V	1607.885	0.00106	2	1	31	0
P12163_1_F6,22260 K.TLEHFYPLAGR.V	1607.885	0.00302	2	1	32.4	0
P12163_1_F6,22746 K.TLEHFYPLAGR.V	1607.885	-0.0005	2	1	30.2	0
P12163_1_F7,14435 K.TLEHFYPLAGR.V	1607.885	0.00258	3	1	24.5	0
P12163_1_F7,14502 K.TLEHFYPLAGR.V	1607.885	0.00082	2	1	25.7	0
P12163_1_F7,17734 K.TLEHFYPLAGR.V	1607.885	0.0007	2	1	24.3	0
P12163_1_F8,15159 K.TLEHFYPLAGR.V	1607.885	-0.00351	3	1	30.7	0
P12163_1_F8,15184 K.TLEHFYPLAGR.V	1607.885	0.00236	2	1	38	0
P12163_1_F8,18523 K.TLEHFYPLAGR.V	1607.885	0.00132	3	1	22.1	0
P12163_1_F8,18532 K.TLEHFYPLAGR.V	1607.885	0.00274	2	1	30.2	0
P12163_1_F8,18802 K.TLEHFYPLAGR.V	1607.885	0.00216	3	1	38.3	0
P12163_1_F8,18803 K.TLEHFYPLAGR.V	1607.885	0.00258	2	1	28.4	0
P12163_1_F8,19550 K.TLEHFYPLAGR.V	1607.885	0.00039	3	1	22.1	0
P12163_2_F4,17126 K.TLEHFYPLAGR.V	1607.885	-0.00033	3	1	29.3	0
P12163_2_F4,17367 K.TLEHFYPLAGR.V	1607.885	0.00225	3	1	31.5	0
P12163_2_F6,14529 K.TLEHFYPLAGR.V	1607.885	0.00222	3	1	36.1	0
P12163_2_F6,14532 K.TLEHFYPLAGR.V	1607.885	0.00218	2	1	37	0
P12163_2_F6,18016 K.TLEHFYPLAGR.V	1607.885	0.00228	3	1	37.9	0
P12163_2_F6,18027 K.TLEHFYPLAGR.V	1607.885	0.0022	2	1	29.4	0
P12163_2_F6,18272 K.TLEHFYPLAGR.V	1607.885	0.00009	3	1	42.5	0
P12163_2_F9,17198 K.TLEHFYPLAGR.V	1607.885	0.00348	3	1	38.1	0
P12163_2_F9,17205 K.TLEHFYPLAGR.V	1607.885	0.00344	2	1	28.4	0
P12163_2_S5,17332 K.TLEHFYPLAGR.V	1607.885	0.003	3	1	36.3	0
P12163_1_F6,13177 K.TLHGDEGFPK.V	1708.948	0.00298	2	1	27.2	0
P12163_1_F6,13309 K.TLHGDEGFPK.V	1708.948	0.00421	3	1	40.7	0

P12163_1_F7,12041 K.TLHGDEGFPK.V	1708.948	-0.00302	3	1	41.3	0
P12163_1_F7,12098 K.TLHGDEGFPK.V	1708.948	0.0026	2	1	25.2	0
P12163_1_F8,12555 K.TLHGDEGFPK.V	1708.948	0.00038	2	1	32	0
P12163_1_F9,10722 K.TLHGDEGFPK.V	1708.948	0.01045	3	1	29.4	0
P12163_1_F9,10750 K.TLHGDEGFPK.V	1708.948	0.00494	2	1	24	0
P12163_1_F9,11250 K.TLHGDEGFPK.V	1708.948	0.00598	3	1	29.5	0
P12163_1_F9,12976 K.TLHGDEGFPK.V	1708.948	0.00421	3	1	26.4	0
P12163_1_F9,13096 K.TLHGDEGFPK.V	1708.948	0.00174	4	1	37.6	0
P12163_1_F9,13279 K.TLHGDEGFPK.V	1708.948	0.00684	2	1	49.4	0
P12163_1_F9,13294 K.TLHGDEGFPK.V	1708.948	0.0052	3	1	40.1	0
P12163_1_F9,13512 K.TLHGDEGFPK.V	1708.948	0.00728	2	1	41.1	0
P12163_1_F9,13523 K.TLHGDEGFPK.V	1708.948	0.00517	3	1	32.3	0
P12163_1_S10,1139 K.TLHGDEGFPK.V	1708.948	0.01045	3	1	23.7	0
P12163_1_S10,1322 K.TLHGDEGFPK.V	1708.948	0.00565	3	1	25.5	0
P12163_1_S10,1344 K.TLHGDEGFPK.V	1708.948	0.00835	3	1	50.2	0
P12163_2_F10,1181 K.TLHGDEGFPK.V	1708.948	-0.00017	3	1	45.4	0
P12163_2_F10,1237 K.TLHGDEGFPK.V	1708.948	0.0028	3	1	32.7	0
P12163_2_F6,12649 K.TLHGDEGFPK.V	1708.948	0.00442	3	1	38.7	0
P12163_2_F6,12725 K.TLHGDEGFPK.V	1708.948	0.00304	2	1	47.4	0
P12163_2_F7,9978 K.TLHGDEGFPK.V	1708.948	0.01054	3	1	23.7	0
P12163_2_F7,10000 K.TLHGDEGFPK.V	1708.948	0.00666	2	1	24.8	0
P12163_2_F7,10212 K.TLHGDEGFPK.V	1708.948	0.00466	3	1	27.4	0
P12163_2_F7,11304 K.TLHGDEGFPK.V	1708.948	0.00247	3	1	32.7	0
P12163_2_F7,11906 K.TLHGDEGFPK.V	1708.948	0.00536	2	1	37.8	0
P12163_2_F7,11958 K.TLHGDEGFPK.V	1708.948	0.0055	4	1	34.2	0
P12163_2_F8_12070 K.TLHGDEGFPK.V	1708.948	0.00181	3	1	39.9	0
P12163_2_F9,12250 K.TLHGDEGFPK.V	1708.948	0.0067	3	1	40.2	0
P12163_2_F9,12496 K.TLHGDEGFPK.V	1708.948	0.00715	3	1	39.9	0
P12163_1_F5,15372 K.VCEYIK.R ! K.VCEYIK	1419.813	0.00465	3	1	31.2	0
P12163_1_F5,15548 K.VCEYIK.R ! K.VCEYIK	1419.813	0.00752	2	1	27.5	0
P12163_1_F5,16289 K.VCEYIK.R ! K.VCEYIK	1419.813	0.00509	2	1	24.8	0
P12163_1_F6,16079 K.VCEYIK.R ! K.VCEYIK	1419.813	0.00819	3	1	23	0
P12163_1_F7,15245 K.VCEYIK.R ! K.VCEYIK	1419.813	0.00797	2	1	24.3	0
P12163_1_F7,15271 K.VCEYIK.R ! K.VCEYIK	1419.813	0.01146	3	1	22.8	0
P12163_1_F8,15534 K.VCEYIK.R ! K.VCEYIK	1419.813	0.00084	3	1	23.9	0
P12163_1_S10,1583 K.VCEYIK.R ! K.VCEYIK	1419.813	0.00414	3	1	30.3	0
P12163_1_S10,1585 K.VCEYIK.R ! K.VCEYIK	1419.813	0.00811	2	1	27.2	0
P12163_2_F2,16076 K.VCEYIK.R ! K.VCEYIK	1419.813	0.00411	3	1	33.2	0
P12163_2_F2,16154 K.VCEYIK.R ! K.VCEYIK	1419.813	0.00343	2	1	27.6	0
P12163_2_F2,16301 K.VCEYIK.R ! K.VCEYIK	1419.813	0.00459	3	1	28.9	0
P12163_2_F2,16386 K.VCEYIK.R ! K.VCEYIK	1419.813	0.00677	2	1	26.8	0
P12163_2_F2,16614 K.VCEYIK.R ! K.VCEYIK	1419.813	0.00731	2	1	26.2	0
P12163_2_F8_12070 K.VCEYIK.R ! K.VCEYIK	1419.813	0.00495	3	1	23.6	0
P12163_2_F8_12070 K.VCEYIK.R ! K.VCEYIK	1419.813	0.00707	2	1	28.2	0
P12163_2_S5,15127 K.VCEYIK.R ! K.VCEYIK	1419.813	0.0077	2	1	26.6	0
P12163_1_F3,22321 R.DNLIINDYDEGVPYIEI	2443.229	-0.00164	2	1	42.9	0
P12163_1_F3,22364 R.DNLIINDYDEGVPYIEI	2443.229	0.0054	3	1	41.6	0
P12163_1_F3,22712 R.DNLIINDYDEGVPYIEI	2443.229	-0.0019	2	1	40.9	0
P12163_1_F7,20092 R.DNLIINDYDEGVPYIEI	2443.229	0.00837	3	1	49.8	0
P12163_1_F7,20911 R.DNLIINDYDEGVPYIEI	2443.229	0.003	2	1	40.2	0
P12163_1_F7,20956 R.DNLIINDYDEGVPYIEI	2443.229	0.01159	3	1	54.6	0

P12163_1_F8,22017	R.DNLIINDYDEGVPYIET	2443.229	0.00675	3	1	43.2	0
P12163_2_S5,19627	R.DNLIINDYDEGVPYIET	2443.229	0.00331	3	1	40	0
P12163_1_F8,17227	R.FVLHQAVNLR.R	1500.895	0.00566	3	1	43.8	0
P12163_1_F8,17240	R.FVLHQAVNLR.R	1500.895	0.00326	2	1	27.6	0
P12163_1_F9,17129	R.FVLHQAVNLR.R	1500.895	0.00269	3	1	32	0
P12163_1_F9,17131	R.FVLHQAVNLR.R	1500.895	0.00276	2	1	27.8	0
P12163_2_F6,16553	R.FVLHQAVNLR.R	1500.895	0.00296	3	1	43.8	0
P12163_2_F6,16753	R.FVLHQAVNLR.R	1500.895	0.0052	2	1	25.4	0
P12163_2_F6,20205	R.FVLHQAVNLR.R	1500.895	0.0014	3	1	40.7	0
P12163_2_F6,20394	R.FVLHQAVNLR.R	1500.895	0.00286	2	1	27.7	0
P12163_2_F6,20441	R.FVLHQAVNLR.R	1500.895	0.0026	3	1	35.3	0
P12163_2_F6,20670	R.FVLHQAVNLR.R	1500.895	0.00296	3	1	29.1	0
P12163_2_F6,20894	R.FVLHQAVNLR.R	1500.895	0.00209	3	1	34.4	0
P12163_2_F8_12070	R.FVLHQAVNLR.R	1500.895	0.0035	3	1	32.7	0
P12163_1_F6,20719	R.VRDNLIINDYDEGVPY	2698.399	0.01287	3	1	31.2	0
P12163_1_F7,19148	R.VRDNLIINDYDEGVPY	2698.399	0.00098	4	1	40.5	0
P12163_1_F7,19493	R.VRDNLIINDYDEGVPY	2698.399	0.00963	3	1	48	0
P12163_1_F7,19969	R.VRDNLIINDYDEGVPY	2698.399	0.00333	3	1	61.6	0
P12163_1_F7,20184	R.VRDNLIINDYDEGVPY	2698.399	0.00438	3	1	59.9	0
P12163_1_F8,20948	R.VRDNLIINDYDEGVPY	2698.399	0.00036	3	1	34.7	0
P12163_2_S5,19466	R.VRDNLIINDYDEGVPY	2698.399	0.00273	3	1	65.5	0
P12163_1_F5,14287	K.INSEYLK.T	1474.873	0.0055	3	1	34.8	0
P12163_1_F5,14514	K.INSEYLK.T	1474.873	0.00719	2	1	26.3	0
P12163_1_S10,1293	K.INSEYLK.T	1474.873	0.0058	3	1	25.1	0
P12163_1_S10,1495	K.INSEYLK.T	1474.873	0.00418	3	1	35.8	0
P12163_1_S10,1497	K.INSEYLK.T	1474.873	0.00801	2	1	26.2	0
P12163_2_F2,15004	K.INSEYLK.T	1474.873	0.00454	3	1	21.9	0
P12163_2_F2,15181	K.INSEYLK.T	1474.873	0.00561	2	1	27.1	0
P12163_2_F2,15284	K.INSEYLK.T	1474.873	0.00634	3	1	33.2	0
P12163_2_F2,15421	K.INSEYLK.T	1474.873	0.00763	2	1	26.6	0
P12163_2_F2,15517	K.INSEYLK.T	1474.873	0.00316	3	1	24.4	0
P12163_2_F2,15665	K.INSEYLK.T	1474.873	0.00437	2	1	26.4	0
P12163_2_F4,14000	K.INSEYLK.T	1474.873	0.00213	2	1	24.2	0
P12163_2_S5,13634	K.INSEYLK.T	1474.873	0.00106	3	1	36.2	0
P12163_1_F7,14308	K.RM*EEVSAHENLEALK	2380.275	0.0073	3	1	30.8	0
P12163_1_F4,15719	K.RMEEVSAHENLEALK	2364.28	0.00709	3	1	37.9	0
P12163_1_F6,15171	K.RMEEVSAHENLEALK	2364.28	0.00562	4	1	27.5	0
P12163_1_F7,14299	K.RMEEVSAHENLEALK	2364.28	0.00745	3	1	35.7	0
P12163_2_F4,13939	K.RMEEVSAHENLEALK	2364.28	0.00628	3	1	41	0
P12163_2_F9,14224	K.RMEEVSAHENLEALK	2364.28	0.00752	3	1	31.9	0
P12163_1_F6,13177	K.TLHGDEGFPK.V	1708.948	0.00298	2	1	27.2	0
P12163_1_F6,13309	K.TLHGDEGFPK.V	1708.948	0.00421	3	1	40.7	0
P12163_1_F7,12041	K.TLHGDEGFPK.V	1708.948	-0.00302	3	1	41.3	0
P12163_1_F7,12098	K.TLHGDEGFPK.V	1708.948	0.0026	2	1	25.2	0
P12163_1_F8,12555	K.TLHGDEGFPK.V	1708.948	0.00038	2	1	32	0
P12163_1_F9,10722	K.TLHGDEGFPK.V	1708.948	0.01045	3	1	29.4	0
P12163_1_F9,10750	K.TLHGDEGFPK.V	1708.948	0.00494	2	1	24	0
P12163_1_F9,11250	K.TLHGDEGFPK.V	1708.948	0.00598	3	1	29.5	0
P12163_1_F9,12976	K.TLHGDEGFPK.V	1708.948	0.00421	3	1	26.4	0
P12163_1_F9,13096	K.TLHGDEGFPK.V	1708.948	0.00174	4	1	37.6	0
P12163_1_F9,13279	K.TLHGDEGFPK.V	1708.948	0.00684	2	1	49.4	0

P12163_1_F9,13294	K.TLHGDEGFPK.V	1708.948	0.0052	3	1	40.1	0
P12163_1_F9,13512	K.TLHGDEGFPK.V	1708.948	0.00728	2	1	41.1	0
P12163_1_F9,13523	K.TLHGDEGFPK.V	1708.948	0.00517	3	1	32.3	0
P12163_1_S10,1139	K.TLHGDEGFPK.V	1708.948	0.01045	3	1	23.7	0
P12163_1_S10,1322	K.TLHGDEGFPK.V	1708.948	0.00565	3	1	25.5	0
P12163_1_S10,1344	K.TLHGDEGFPK.V	1708.948	0.00835	3	1	50.2	0
P12163_2_F10,1181	K.TLHGDEGFPK.V	1708.948	-0.00017	3	1	45.4	0
P12163_2_F10,1237	K.TLHGDEGFPK.V	1708.948	0.0028	3	1	32.7	0
P12163_2_F6,12649	K.TLHGDEGFPK.V	1708.948	0.00442	3	1	38.7	0
P12163_2_F6,12725	K.TLHGDEGFPK.V	1708.948	0.00304	2	1	47.4	0
P12163_2_F7,9978	K.TLHGDEGFPK.V	1708.948	0.01054	3	1	23.7	0
P12163_2_F7,10000	K.TLHGDEGFPK.V	1708.948	0.00666	2	1	24.8	0
P12163_2_F7,10212	K.TLHGDEGFPK.V	1708.948	0.00466	3	1	27.4	0
P12163_2_F7,11304	K.TLHGDEGFPK.V	1708.948	0.00247	3	1	32.7	0
P12163_2_F7,11906	K.TLHGDEGFPK.V	1708.948	0.00536	2	1	37.8	0
P12163_2_F7,11958	K.TLHGDEGFPK.V	1708.948	0.0055	4	1	34.2	0
P12163_2_F8_12070	K.TLHGDEGFPK.V	1708.948	0.00181	3	1	39.9	0
P12163_2_F9,12250	K.TLHGDEGFPK.V	1708.948	0.0067	3	1	40.2	0
P12163_2_F9,12496	K.TLHGDEGFPK.V	1708.948	0.00715	3	1	39.9	0
P12163_1_F5,15372	K.VCEYIK.R ! K.VCEYIK	1419.813	0.00465	3	1	31.2	0
P12163_1_F5,15548	K.VCEYIK.R ! K.VCEYIK	1419.813	0.00752	2	1	27.5	0
P12163_1_F5,16289	K.VCEYIK.R ! K.VCEYIK	1419.813	0.00509	2	1	24.8	0
P12163_1_F6,16079	K.VCEYIK.R ! K.VCEYIK	1419.813	0.00819	3	1	23	0
P12163_1_F7,15245	K.VCEYIK.R ! K.VCEYIK	1419.813	0.00797	2	1	24.3	0
P12163_1_F7,15271	K.VCEYIK.R ! K.VCEYIK	1419.813	0.01146	3	1	22.8	0
P12163_1_F8,15534	K.VCEYIK.R ! K.VCEYIK	1419.813	0.00084	3	1	23.9	0
P12163_1_S10,1583	K.VCEYIK.R ! K.VCEYIK	1419.813	0.00414	3	1	30.3	0
P12163_1_S10,1585	K.VCEYIK.R ! K.VCEYIK	1419.813	0.00811	2	1	27.2	0
P12163_2_F2,16076	K.VCEYIK.R ! K.VCEYIK	1419.813	0.00411	3	1	33.2	0
P12163_2_F2,16154	K.VCEYIK.R ! K.VCEYIK	1419.813	0.00343	2	1	27.6	0
P12163_2_F2,16301	K.VCEYIK.R ! K.VCEYIK	1419.813	0.00459	3	1	28.9	0
P12163_2_F2,16386	K.VCEYIK.R ! K.VCEYIK	1419.813	0.00677	2	1	26.8	0
P12163_2_F2,16614	K.VCEYIK.R ! K.VCEYIK	1419.813	0.00731	2	1	26.2	0
P12163_2_F8_12070	K.VCEYIK.R ! K.VCEYIK	1419.813	0.00495	3	1	23.6	0
P12163_2_F8_12070	K.VCEYIK.R ! K.VCEYIK	1419.813	0.00707	2	1	28.2	0
P12163_2_S5,15127	K.VCEYIK.R ! K.VCEYIK	1419.813	0.0077	2	1	26.6	0
P12163_1_F8,17227	R.FVLHQAVNLR.R	1500.895	0.00566	3	1	43.8	0
P12163_1_F8,17240	R.FVLHQAVNLR.R	1500.895	0.00326	2	1	27.6	0
P12163_1_F9,17129	R.FVLHQAVNLR.R	1500.895	0.00269	3	1	32	0
P12163_1_F9,17131	R.FVLHQAVNLR.R	1500.895	0.00276	2	1	27.8	0
P12163_2_F6,16553	R.FVLHQAVNLR.R	1500.895	0.00296	3	1	43.8	0
P12163_2_F6,16753	R.FVLHQAVNLR.R	1500.895	0.0052	2	1	25.4	0
P12163_2_F6,20205	R.FVLHQAVNLR.R	1500.895	0.0014	3	1	40.7	0
P12163_2_F6,20394	R.FVLHQAVNLR.R	1500.895	0.00286	2	1	27.7	0
P12163_2_F6,20441	R.FVLHQAVNLR.R	1500.895	0.0026	3	1	35.3	0
P12163_2_F6,20670	R.FVLHQAVNLR.R	1500.895	0.00296	3	1	29.1	0
P12163_2_F6,20894	R.FVLHQAVNLR.R	1500.895	0.00209	3	1	34.4	0
P12163_2_F8_12070	R.FVLHQAVNLR.R	1500.895	0.0035	3	1	32.7	0
P12163_1_F6,15123	R.M*EEVSAHENLEALK..	2224.174	0.00424	3	1	22	0
P12163_1_F7,14318	R.M*EEVSAHENLEALK..	2224.174	0.0052	4	1	32.6	0
P12163_1_F7,16615	R.M*EEVSAHENLEALK..	2224.174	0.01834	3	1	42.1	0

P12163_1_F7,16678	R.M*EEVSAHENLEALK..	2224.174	0.00536	4	1	32.7	0
P12163_1_F8,14918	R.M*EEVSAHENLEALK..	2224.174	0.0166	3	1	24.5	0
P12163_1_F8,14985	R.M*EEVSAHENLEALK..	2224.174	0.00368	2	1	56.5	0
P12163_1_F8,17436	R.M*EEVSAHENLEALK..	2224.174	0.00985	3	1	47.7	0
P12163_2_F10,1402	R.M*EEVSAHENLEALK..	2224.174	0.00733	3	1	31.4	0
P12163_2_F6,14386	R.M*EEVSAHENLEALK..	2224.174	0.00844	3	1	40.8	0
P12163_2_F6,16934	R.M*EEVSAHENLEALK..	2224.174	0.01186	3	1	55.8	0
P12163_2_F9,14153	R.M*EEVSAHENLEALK..	2224.174	0.00595	3	1	23.8	0
P12163_1_F6,17532	R.MEEVSAHENLEALK.F	2208.179	0.00984	4	1	25.1	0
P12163_1_F6,17559	R.MEEVSAHENLEALK.F	2208.179	0.00721	3	1	35	0
P12163_1_F8,17375	R.MEEVSAHENLEALK.F	2208.179	0.00565	3	1	44.4	0
P12163_1_F8,17443	R.MEEVSAHENLEALK.F	2208.179	0.00244	2	1	70.8	0
P12163_2_F6,16917	R.MEEVSAHENLEALK.F	2208.179	0.00655	3	1	43.1	0
P12163_2_F6,16936	R.MEEVSAHENLEALK.F	2208.179	0.002	2	1	71.1	0
P12163_2_F6,16946	R.MEEVSAHENLEALK.F	2208.179	0.00636	4	1	22.7	0
P12163_2_F2,7153	R.SWAANTR.G	1109.6	0.00374	3	1	22.5	0
P12163_1_F3,24646	R.TEALSAFILK.S	1701.041	0.00585	2	1	45.1	0
P12163_1_F3,24795	R.TEALSAFILK.S	1701.041	0.00432	3	1	33.2	0
P12163_1_F4,20849	R.TEALSAFILK.S	1701.041	0.00683	2	1	25.1	0
P12163_1_F4,25405	R.TEALSAFILK.S	1701.041	0.00576	3	1	24.9	0
P12163_1_F4,25667	R.TEALSAFILK.S	1701.041	0.00879	3	1	28.1	0
P12163_1_F5,23693	R.TEALSAFILK.S	1701.041	0.00723	3	1	36.7	0
P12163_1_F6,22749	R.TEALSAFILK.S	1701.041	0.00468	3	1	32.8	0
P12163_1_F7,21977	R.TEALSAFILK.S	1701.041	0.00753	3	1	27.9	0
P12163_1_F7,22667	R.TEALSAFILK.S	1701.041	0.00723	3	1	39.6	0
P12163_1_F7,22676	R.TEALSAFILK.S	1701.041	0.00731	2	1	33.8	0
P12163_2_F1,24691	R.TEALSAFILK.S	1701.041	0.00354	3	1	27.4	0
P12163_2_F1,24896	R.TEALSAFILK.S	1701.041	0.00408	3	1	30.4	0
P12163_2_F1,24917	R.TEALSAFILK.S	1701.041	0.00423	2	1	27.6	0
P12163_2_F4,21597	R.TEALSAFILK.S	1701.041	0.00195	3	1	34.2	0
P12163_2_F9,21268	R.TEALSAFILK.S	1701.041	0.00249	3	1	24.7	0
P12163_2_F8_12070	K.DLPEVLLGKPVDPHPC	3374.945	0.00814	4	1	24.3	0
P12163_1_F5,25049	K.LFYTFYLK.G	1703.003	0.00561	3	1	26.6	0
P12163_2_F9,22417	K.LFYTFYLK.G	1703.003	0.00714	3	1	26.9	0
P12163_2_F9,22553	K.LFYTFYLK.G	1703.003	0.00612	3	1	26	0
P12163_1_F4,26675	K.LQQLVFPFK.L	1728.067	0.00417	3	1	44.9	0
P12163_1_F4,26757	K.LQQLVFPFK.L	1728.067	0.00649	2	1	42	0
P12163_1_F4,26903	K.LQQLVFPFK.L	1728.067	0.0051	3	1	47.2	0
P12163_1_F7,23227	K.LQQLVFPFK.L	1728.067	0.00072	3	1	43.9	0
P12163_1_F7,23567	K.LQQLVFPFK.L	1728.067	0.00581	2	1	47.8	0
P12163_1_F7,23574	K.LQQLVFPFK.L	1728.067	0.00339	3	1	40.3	0
P12163_1_S10,2203	K.LQQLVFPFK.L	1728.067	0.00603	3	1	24.6	0
P12163_2_F1,25766	K.LQQLVFPFK.L	1728.067	0.00895	2	1	27	0
P12163_2_F1,25776	K.LQQLVFPFK.L	1728.067	0.00402	3	1	44.6	0
P12163_2_F1,25938	K.LQQLVFPFK.L	1728.067	0.00673	2	1	33.1	0
P12163_2_F1,25948	K.LQQLVFPFK.L	1728.067	0.00321	3	1	42.2	0
P12163_1_F3,15878	K.LYTGDLQK.R	1545.91	0.00663	2	1	24.4	0
P12163_1_F4,16465	K.LYTGDLQK.R	1545.91	0.00555	2	1	24.1	0
P12163_1_F4,16963	K.LYTGDLQK.R	1545.91	0.00432	3	1	31.5	0
P12163_1_F5,15195	K.LYTGDLQK.R	1545.91	0.006	3	1	39	0
P12163_1_F6,15848	K.LYTGDLQK.R	1545.91	0.00522	3	1	27.4	0

P12163_1_F6,15917 K.LYTGDLQK.R	1545.91	0.00699	2	1	24.3	0
P12163_1_F7,15042 K.LYTGDLQK.R	1545.91	0.00543	3	1	31.8	0
P12163_1_F8,15743 K.LYTGDLQK.R	1545.91	0.00567	2	1	24.5	0
P12163_1_F9,15543 K.LYTGDLQK.R	1545.91	0.00565	2	1	24	0
P12163_2_F4,14160 K.LYTGDLQK.R	1545.91	0.00144	3	1	31.7	0
P12163_2_F4,14696 K.LYTGDLQK.R	1545.91	0.0048	3	1	30	0
P12163_1_F5,16153 K.VQELHVYEINER.D	1832.981	-0.00248	3	1	56.2	0
P12163_1_F5,16833 K.VQELHVYEINER.D	1832.981	0.00649	3	1	40.1	0
P12163_1_F5,16847 K.VQELHVYEINER.D	1832.981	0.01253	2	1	51.6	0
P12163_1_F6,17207 K.VQELHVYEINER.D	1832.981	0.00289	3	1	44.7	0
P12163_1_F6,17279 K.VQELHVYEINER.D	1832.981	0.00383	2	1	58.7	0
P12163_1_F6,17423 K.VQELHVYEINER.D	1832.981	0.00454	3	1	54.1	0
P12163_1_F6,17429 K.VQELHVYEINER.D	1832.981	0.00469	3	1	58.9	0
P12163_1_F6,17508 K.VQELHVYEINER.D	1832.981	-0.00005	2	1	36.1	0
P12163_1_F7,16374 K.VQELHVYEINER.D	1832.981	0.00088	3	1	46.7	0
P12163_1_F7,16449 K.VQELHVYEINER.D	1832.981	0.00339	2	1	57.3	0
P12163_1_F7,16605 K.VQELHVYEINER.D	1832.981	0.0043	3	1	22.9	0
P12163_1_F8,16991 K.VQELHVYEINER.D	1832.981	0.00352	3	1	28.3	0
P12163_1_F8,17003 K.VQELHVYEINER.D	1832.981	0.00211	2	1	50.6	0
P12163_1_F8,17266 K.VQELHVYEINER.D	1832.981	0.00364	3	1	63	0
P12163_1_F9,16934 K.VQELHVYEINER.D	1832.981	-0.00137	2	1	26.4	0
P12163_1_F9,16940 K.VQELHVYEINER.D	1832.981	0.00562	3	1	43.4	0
P12163_2_F4,15444 K.VQELHVYEINER.D	1832.981	-0.00035	3	1	49.1	0
P12163_2_F4,15447 K.VQELHVYEINER.D	1832.981	-0.00277	2	1	52.5	0
P12163_2_F4,16015 K.VQELHVYEINER.D	1832.981	-0.00087	2	1	29.7	0
P12163_2_F6,16396 K.VQELHVYEINER.D	1832.981	-0.00245	3	1	41.1	0
P12163_2_F6,16412 K.VQELHVYEINER.D	1832.981	0.00343	2	1	56.5	0
P12163_2_F6,16650 K.VQELHVYEINER.D	1832.981	0.00505	3	1	63.6	0
P12163_2_F6,16658 K.VQELHVYEINER.D	1832.981	0.01207	2	1	68.8	0
P12163_2_F6,16907 K.VQELHVYEINER.D	1832.981	0.00403	3	1	55	0
P12163_2_F6,20532 K.VQELHVYEINER.D	1832.981	0.00363	2	1	37.9	0
P12163_2_F6,20867 K.VQELHVYEINER.D	1832.981	0.0019	3	1	22.2	0
P12163_2_F8_12070 K.VQELHVYEINER.D	1832.981	0.00817	3	1	22	0
P12163_2_F9,15947 K.VQELHVYEINER.D	1832.981	0.00305	2	1	30.5	0
P12163_2_F9,16115 K.VQELHVYEINER.D	1832.981	0.00172	3	1	60.4	0
P12163_2_F9,16159 K.VQELHVYEINER.D	1832.981	0.00337	2	1	66.4	0
P12163_2_S5,15528 K.VQELHVYEINER.D	1832.981	0.00058	3	1	44.3	0
P12163_2_S5,16159 K.VQELHVYEINER.D	1832.981	-0.00013	2	1	50.1	0
P12163_1_F4,9060 R.GSPAYLR.L	1067.615	0.00339	3	1	22	0
P12163_1_S10,9476 R.GSPAYLR.L	1067.615	0.00024	3	1	23.8	0
P12163_2_F10,8874 R.GSPAYLR.L	1067.615	0.00324	3	1	25.8	0
P12163_2_F10,1077 R.GSPAYLR.L	1067.615	0.0028	2	1	26.1	0
P12163_2_F2,7808 R.GSPAYLR.L	1067.615	0.00606	3	1	24.7	0
P12163_1_F8,19764 R.LSQKPVNSLGDLPFS	2855.676	0.00834	3	1	31.6	0
P12163_2_F6,20744 R.LSQKPVNSLGDLPFS	2855.676	0.0201	3	1	22	0
P12163_2_F8_12070 R.LSQKPVNSLGDLPFS	2855.676	0.005	4	1	23.8	0
P12163_2_F6,7421 R.SQANSSDDPRPTK.V	2011.066	0.00654	3	1	23.6	0
P12163_2_F6,7467 R.SQANSSDDPRPTK.V	2011.066	0.00491	2	1	26.7	0
P12163_1_F2,12199 K.ATEPHAAISNFTN.-	1676.855	0.00093	3	1	22.7	0
P12163_1_F2,12435 K.ATEPHAAISNFTN.-	1676.855	0.00252	3	1	23.2	0
P12163_1_F2,12776 K.ATEPHAAISNFTN.-	1676.855	0.00024	3	1	29.4	0

P12163_1_F2,14237 K.ATEPHAAISNFTN.-	1676.855	-0.00148	2	1	37.8	0
P12163_1_F2,14364 K.ATEPHAAISNFTN.-	1676.855	0.00069	3	1	34.2	0
P12163_1_F2,14431 K.ATEPHAAISNFTN.-	1676.855	0.0027	2	1	55.6	0
P12163_1_F2,14672 K.ATEPHAAISNFTN.-	1676.855	0.00578	2	1	37.7	0
P12163_1_F3,14812 K.ATEPHAAISNFTN.-	1676.855	0.0075	2	1	35.2	0
P12163_1_F6,14609 K.ATEPHAAISNFTN.-	1676.855	0.00466	2	1	32.6	0
P12163_1_F9,14358 K.ATEPHAAISNFTN.-	1676.855	0.00148	2	1	25.9	0
P12163_2_F1,14079 K.ATEPHAAISNFTN.-	1676.855	0.00342	2	1	32.7	0
P12163_2_F2,2969 K.ATEPHAAISNFTN.-	1676.855	0.00334	2	1	29.1	0
P12163_2_F4,13084 K.ATEPHAAISNFTN.-	1676.855	-0.00004	2	1	34.4	0
P12163_2_F4,13452 K.ATEPHAAISNFTN.-	1676.855	0.00164	2	1	32	0
P12163_2_F6,13998 K.ATEPHAAISNFTN.-	1676.855	0.0014	2	1	42.3	0
P12163_2_F7,13029 K.ATEPHAAISNFTN.-	1676.855	0.00064	2	1	25	0
P12163_2_F7,13217 K.ATEPHAAISNFTN.-	1676.855	0.00206	2	1	35.6	0
P12163_1_F6,6429 K.HEPEK.K	1247.72	0.00371	3	1	24.2	0
P12163_1_S10,7695 K.HEPEK.K	1247.72	0.00233	3	1	21.9	0
P12163_2_F6,5904 K.HEPEK.K	1247.72	0.00164	3	1	28.2	0
P12163_1_F5,25049 K.LFYTFYLK.G	1703.003	0.00561	3	1	26.6	0
P12163_2_F9,22417 K.LFYTFYLK.G	1703.003	0.00714	3	1	26.9	0
P12163_2_F9,22553 K.LFYTFYLK.G	1703.003	0.00612	3	1	26	0
P12163_1_F6,19027 K.LHQIVFPYK.L	1753.062	0.00267	2	1	32.7	0
P12163_1_F6,19087 K.LHQIVFPYK.L	1753.062	0.00932	4	1	25.4	0
P12163_1_F6,19207 K.LHQIVFPYK.L	1753.062	0.00587	3	1	25.7	0
P12163_1_F8,18681 K.LHQIVFPYK.L	1753.062	0.0014	3	1	30.1	0
P12163_1_F9,18600 K.LHQIVFPYK.L	1753.062	0.00485	3	1	31.1	0
P12163_1_F9,18621 K.LHQIVFPYK.L	1753.062	0.00731	2	1	38.4	0
P12163_1_F9,18794 K.LHQIVFPYK.L	1753.062	0.00239	3	1	27.4	0
P12163_1_S10,1815 K.LHQIVFPYK.L	1753.062	0.00722	3	1	35.1	0
P12163_2_F4,17797 K.LHQIVFPYK.L	1753.062	0.00215	3	1	31.4	0
P12163_2_F7,16651 K.LHQIVFPYK.L	1753.062	0.00293	3	1	35.6	0
P12163_2_F7,16723 K.LHQIVFPYK.L	1753.062	0.00459	2	1	34.6	0
P12163_2_F7,16730 K.LHQIVFPYK.L	1753.062	0.00668	4	1	25.8	0
P12163_2_F7,16847 K.LHQIVFPYK.L	1753.062	0.00233	3	1	51.5	0
P12163_2_F7,17045 K.LHQIVFPYK.L	1753.062	0.00083	3	1	35	0
P12163_2_F9,17342 K.LHQIVFPYK.L	1753.062	0.00647	3	1	27.9	0
P12163_2_F9,17561 K.LHQIVFPYK.L	1753.062	0.00581	3	1	34.7	0
P12163_2_S5,17545 K.LHQIVFPYK.L	1753.062	0.00311	3	1	32.8	0
P12163_2_S5,17595 K.LHQIVFPYK.L	1753.062	0.00632	4	1	26.9	0
P12163_2_S5,17605 K.LHQIVFPYK.L	1753.062	0.00329	2	1	35.5	0
P12163_2_S5,17763 K.LHQIVFPYK.L	1753.062	0.00413	3	1	36.2	0
P12163_2_F10,1877 K.LSQKPEHLTIGDLVPF1	3049.781	0.01261	4	1	22	0
P12163_1_F3,15878 K.LYTGDLQK.R	1545.91	0.00663	2	1	24.4	0
P12163_1_F4,16465 K.LYTGDLQK.R	1545.91	0.00555	2	1	24.1	0
P12163_1_F4,16963 K.LYTGDLQK.R	1545.91	0.00432	3	1	31.5	0
P12163_1_F5,15195 K.LYTGDLQK.R	1545.91	0.006	3	1	39	0
P12163_1_F6,15848 K.LYTGDLQK.R	1545.91	0.00522	3	1	27.4	0
P12163_1_F6,15917 K.LYTGDLQK.R	1545.91	0.00699	2	1	24.3	0
P12163_1_F7,15042 K.LYTGDLQK.R	1545.91	0.00543	3	1	31.8	0
P12163_1_F8,15743 K.LYTGDLQK.R	1545.91	0.00567	2	1	24.5	0
P12163_1_F9,15543 K.LYTGDLQK.R	1545.91	0.00565	2	1	24	0
P12163_2_F4,14160 K.LYTGDLQK.R	1545.91	0.00144	3	1	31.7	0

P12163_2_F4,14696	K.LYTGDLQK.R	1545.91	0.0048	3	1	30	0
P12163_1_F3,24994	K.VQELFVYEINER.D	1842.99	0.00169	3	1	23	0
P12163_1_F3,24996	K.VQELFVYEINER.D	1842.99	-0.00062	2	1	50.8	0
P12163_1_F4,25906	K.VQELFVYEINER.D	1842.99	0.00157	3	1	25.1	0
P12163_1_F7,22884	K.VQELFVYEINER.D	1842.99	0.0013	3	1	23.7	0
P12163_1_S1,23427	K.VQELFVYEINER.D	1842.99	-0.00023	3	1	26.1	0
P12163_1_S1,23548	K.VQELFVYEINER.D	1842.99	0.00414	2	1	57.1	0
P12163_1_S1,23642	K.VQELFVYEINER.D	1842.99	0.00334	3	1	55.9	0
P12163_1_F5,12307	R.NSPAILK.L	1350.856	0.00724	3	1	22.3	0
P12163_1_F9,13139	K.DLGATHFK.Y	1496.868	0.00677	2	1	29.5	0
P12163_1_F9,13332	K.DLGATHFK.Y	1496.868	0.00473	3	1	30.9	0
P12163_1_F3,12751	K.DSDIPVEQNPK.L	1850.012	0.00714	3	1	53.8	0
P12163_1_F3,12809	K.DSDIPVEQNPK.L	1850.012	0.00681	2	1	41.9	0
P12163_1_F3,13079	K.DSDIPVEQNPK.L	1850.012	0.01687	2	1	36.6	0
P12163_1_F4,13215	K.DSDIPVEQNPK.L	1850.012	0.00741	2	1	49.6	0
P12163_2_F2,12111	K.DSDIPVEQNPK.L	1850.012	-0.00211	2	1	32.2	0
P12163_2_S5,11808	K.DSDIPVEQNPK.L	1850.012	0.01467	3	1	43.3	0
P12163_1_F3,20253	K.EAVPEMWSPEMK.S ! 1	2042.055	0.00851	2	1	33.8	0
P12163_1_F5,12671	K.NSGELALK.F	1439.868	0.00973	3	1	22.6	0
P12163_1_F5,13286	K.NSGELALK.F	1439.868	0.00751	2	1	24.7	0
P12163_1_F6,13708	K.NSGELALK.F	1439.868	0.00681	2	1	30.1	0
P12163_2_F2,13504	K.NSGELALK.F	1439.868	0.01509	2	1	26.9	0
P12163_2_F2,13505	K.NSGELALK.F	1439.868	0.01582	3	1	27.3	0
P12163_2_F2,13726	K.NSGELALK.F	1439.868	0.00556	3	1	26	0
P12163_2_F2,13758	K.NSGELALK.F	1439.868	0.00925	2	1	25.8	0
P12163_1_F3,25719	K.NSWAEAYDQLAAAIK	2259.223	-0.00479	3	1	31.6	0
P12163_1_F4,26534	K.NSWAEAYDQLAAAIK	2259.223	0.00621	3	1	43.5	0
P12163_1_F4,23636	K.YALLETIK.E	1558.966	0.00045	2	1	34.4	0
P12163_1_F4,23891	K.YALLETIK.E	1558.966	0.00665	2	1	36.9	0
P12163_1_F4,23905	K.YALLETIK.E	1558.966	0.00415	3	1	27.1	0
P12163_1_F4,24135	K.YALLETIK.E	1558.966	0.00525	2	1	35.8	0
P12163_1_F5,22211	K.YALLETIK.E	1558.966	0.00745	2	1	46.9	0
P12163_1_F5,22232	K.YALLETIK.E	1558.966	0.00502	3	1	25.1	0
P12163_1_F5,22445	K.YALLETIK.E	1558.966	0.00633	2	1	30.1	0
P12163_1_F7,20810	K.YALLETIK.E	1558.966	0.00031	3	1	22.3	0
P12163_1_F7,20881	K.YALLETIK.E	1558.966	-0.00035	2	1	28.4	0
P12163_1_F9,21488	K.YALLETIK.E	1558.966	0.00514	3	1	25.6	0
P12163_2_F1,23091	K.YALLETIK.E	1558.966	0.00343	3	1	25.3	0
P12163_2_F1,23300	K.YALLETIK.E	1558.966	0.00547	2	1	36.8	0
P12163_2_F1,23336	K.YALLETIK.E	1558.966	0.00451	3	1	26.1	0
P12163_2_F8_12070	K.YALLETIK.E	1558.966	0.00313	3	1	29	0
P12163_2_F9,20173	K.YALLETIK.E	1558.966	0.00621	2	1	37.2	0
P12163_2_F9,20203	K.YALLETIK.E	1558.966	0.0049	3	1	26.9	0
P12163_2_F9,20360	K.YALLETIK.E	1558.966	0.00685	2	1	34.2	0
P12163_2_F9,20398	K.YALLETIK.E	1558.966	0.0052	3	1	34.9	0
P12163_1_F7,17796	K.YGVLDEHFVTK.Y	2045.116	0.00096	2	1	45.4	0
P12163_1_F8,18581	K.YGVLDEHFVTK.Y	2045.116	0.00208	2	1	53.3	0
P12163_1_F8,18607	K.YGVLDEHFVTK.Y	2045.116	0.0044	3	1	34.8	0
P12163_1_F8,18644	K.YGVLDEHFVTK.Y	2045.116	0.00953	4	1	29.8	0
P12163_2_F6,18143	K.YGVLDEHFVTK.Y	2045.116	0.0049	2	1	49.4	0
P12163_2_F6,18179	K.YGVLDEHFVTK.Y	2045.116	0.00506	3	1	39.7	0

P12163_1_F3,21040	R.IFEIAPSAK.K	1583.962	0.00745	2	1	25.2	0
P12163_1_F4,21651	R.IFEIAPSAK.K	1583.962	0.00301	2	1	24.6	0
P12163_1_F5,20592	R.IFEIAPSAK.K	1583.962	0.00202	3	1	26.2	0
P12163_1_F6,20066	R.IFEIAPSAK.K	1583.962	-0.00044	3	1	26.4	0
P12163_1_F6,20527	R.IFEIAPSAK.K	1583.962	0.0073	3	1	28.7	0
P12163_1_F7,19186	R.IFEIAPSAK.K	1583.962	-0.0014	3	1	23.3	0
P12163_1_F7,19328	R.IFEIAPSAK.K	1583.962	0.00063	2	1	44.3	0
P12163_1_F7,19773	R.IFEIAPSAK.K	1583.962	0.00394	3	1	33.8	0
P12163_1_S10,1913	R.IFEIAPSAK.K	1583.962	0.00448	3	1	27.8	0
P12163_2_F1,21227	R.IFEIAPSAK.K	1583.962	-0.00137	3	1	26.2	0
P12163_2_F2,21151	R.IFEIAPSAK.K	1583.962	0.00315	2	1	25.7	0
P12163_2_F4,18883	R.IFEIAPSAK.K	1583.962	0.0007	3	1	34.6	0
P12163_2_F4,19079	R.IFEIAPSAK.K	1583.962	-0.00073	2	1	28.6	0
P12163_2_F4,19259	R.IFEIAPSAK.K	1583.962	-0.0002	3	1	26.5	0
P12163_2_F4,19282	R.IFEIAPSAK.K	1583.962	0.00267	2	1	40	0
P12163_2_S5,18428	R.IFEIAPSAK.K	1583.962	-0.00137	3	1	24.7	0
P12163_2_S5,18914	R.IFEIAPSAK.K	1583.962	0.0076	3	1	28.7	0
P12163_1_F2,12200	K.EEDTTVPVEK.L	1754.963	0.01189	2	1	48	0
P12163_1_F3,12578	K.EEDTTVPVEK.L	1754.963	-0.00213	2	1	27.2	0
P12163_1_S1,4668	K.ETA AH.-	832.4466	0.00345	2	1	24.6	0
P12163_1_S10,5526	K.ETA AH.-	832.4466	0.00317	2	1	27.3	0
P12163_1_F5,11828	K.KPEDHQVSPPPAAEHP	3760.991	0.01055	4	1	39.3	0
P12163_1_F9,14294	K.KPGFLDK.L	1717.078	0.00736	4	1	22.5	0
P12163_2_F8_12070	K.KPGFLDK.L	1717.078	0.00672	4	1	32.9	0
P12163_1_F3,9941	K.LDDVHAPHHQEEAHP	2726.374	0.00845	4	1	28.4	0
P12163_2_S3,9398	K.LDDVHAPHHQEEAHP	2726.374	0.01209	4	1	24.7	0
P12163_1_F6,12482	K.SHEYEPSVGTEGAVET	2428.245	0.00575	3	1	53.7	0
P12163_1_F7,9533	K.SHEYEPSVGTEGAVET	2428.245	0.00572	3	1	25.5	0
P12163_1_F7,10413	K.SHEYEPSVGTEGAVET	2428.245	0.00629	3	1	33.4	0
P12163_1_F7,10430	K.SHEYEPSVGTEGAVET	2428.245	0.00644	4	1	28.2	0
P12163_1_F7,10622	K.SHEYEPSVGTEGAVET	2428.245	0.00424	4	1	27	0
P12163_1_F7,10632	K.SHEYEPSVGTEGAVET	2428.245	0.00692	3	1	25.8	0
P12163_1_F7,10848	K.SHEYEPSVGTEGAVET	2428.245	0.00464	4	1	37.2	0
P12163_1_F7,11203	K.SHEYEPSVGTEGAVET	2428.245	0.0072	4	1	22.1	0
P12163_1_F7,11808	K.SHEYEPSVGTEGAVET	2428.245	0.0038	4	1	30.6	0
P12163_1_F8,11183	K.SHEYEPSVGTEGAVET	2428.245	0.00452	4	1	30.6	0
P12163_1_F8,12281	K.SHEYEPSVGTEGAVET	2428.245	0.00047	3	1	76.5	0
P12163_2_F4,10419	K.SHEYEPSVGTEGAVET	2428.245	0.00551	3	1	40.3	0
P12163_2_F4,11501	K.SHEYEPSVGTEGAVET	2428.245	0.00536	4	1	36.4	0
P12163_2_F6,10874	K.SHEYEPSVGTEGAVET	2428.245	0.0035	3	1	49.4	0
P12163_2_F8_12070	K.SHEYEPSVGTEGAVET	2428.245	-0.015	4	1	29.5	0
P12163_2_F9,11647	K.SHEYEPSVGTEGAVET	2428.245	0.00947	3	1	65.4	0
P12163_1_F6,10661	K.VHVSEPQPK.V	1628.958	0.00675	2	1	25.7	0
P12163_1_F6,10684	K.VHVSEPQPK.V	1628.958	0.00742	3	1	38.4	0
P12163_1_F6,10710	K.VHVSEPQPK.V	1628.958	0.01162	4	1	28.9	0
P12163_1_F7,10187	K.VHVSEPQPK.V	1628.958	0.00478	3	1	26.7	0
P12163_2_F4,9349	K.VHVSEPQPK.V	1628.958	0.00085	3	1	30.4	0
P12163_2_F4,9789	K.VHVSEPQPK.V	1628.958	0.00868	3	1	31.8	0
P12163_2_F6,10328	K.VHVSEPQPK.V	1628.958	0.00343	3	1	23.1	0
P12163_2_F6,10377	K.VHVSEPQPK.V	1628.958	0.00421	2	1	24.3	0
P12163_2_F6,10422	K.VHVSEPQPK.V	1628.958	0.00298	4	1	22.6	0

P12163_2_F7,9782	K.VHVSEPQPK.V	1628.958	0.00094	3	1	24.6	0
P12163_2_F7,9811	K.VHVSEPQPK.V	1628.958	0.00567	2	1	33.5	0
P12163_2_F7,9812	K.VHVSEPQPK.V	1628.958	0.00518	4	1	33.1	0
P12163_2_F7,10006	K.VHVSEPQPK.V	1628.958	0.00355	3	1	29	0
P12163_2_S5,9928	K.VHVSEPQPK.V	1628.958	0.00589	3	1	22.2	0
P12163_1_F4,23825	R.GM*LDFLKG.K	1504.865	0.00875	2	1	31.3	0
P12163_1_F7,17467	R.GM*LDFLKG.K	1504.865	0.0008	3	1	22.7	0
P12163_1_F7,20901	R.GM*LDFLKG.K	1504.865	0.00056	3	1	25.3	0
P12163_1_F7,20944	R.GM*LDFLKG.K	1504.865	0.00123	2	1	24.8	0
P12163_1_F7,21438	R.GM*LDFLKG.K	1504.865	0.00143	3	1	24.8	0
P12163_2_F4,20329	R.GM*LDFLKG.K	1504.865	0.00308	3	1	22.6	0
P12163_1_F4,23763	R.GMLDFLKG.K	1488.87	0.0059	3	1	24.5	0
P12163_1_F4,23903	R.GMLDFLKG.K	1488.87	0.00724	2	1	51	0
P12163_1_F7,21305	R.GMLDFLKG.K	1488.87	0.0062	2	1	34.4	0
P12163_2_F1,23388	R.GMLDFLKG.K	1488.87	0.0077	2	1	39.3	0
P12163_1_F4,22514	K.AGTVEIAEVIYNR.E	1738.964	0.00088	2	1	46.5	0
P12163_1_S1,16524	K.AGTVEIAEVIYNR.E	1738.964	0.00372	3	1	56.8	0
P12163_1_S1,20303	K.AGTVEIAEVIYNR.E	1738.964	0.00228	3	1	76.8	0
P12163_1_S1,20534	K.AGTVEIAEVIYNR.E	1738.964	0.00346	2	1	56.5	0
P12163_1_S10,1970	K.AGTVEIAEVIYNR.E	1738.964	0.00207	3	1	46.3	0
P12163_2_F6,20745	K.AGTVEIAEVIYNR.E	1738.964	0.00498	2	1	38.4	0
P12163_2_F6,20786	K.AGTVEIAEVIYNR.E	1738.964	0.00582	3	1	48.1	0
P12163_1_F7,13109	K.AVEM*FHR.Y	1209.635	0.00139	3	1	38.7	0
P12163_1_F9,10390	K.AVEM*FHR.Y	1209.635	0.00331	3	1	42.3	0
P12163_1_F9,14108	K.AVEM*FHR.Y	1209.635	0.00355	3	1	41	0
P12163_2_F7,9792	K.AVEM*FHR.Y	1209.635	0.00343	3	1	47	0
P12163_2_F7,12698	K.AVEM*FHR.Y	1209.635	0.00259	3	1	47.4	0
P12163_1_F9,14101	K.AVEMFHR.Y	1193.64	0.00346	3	1	47.6	0
P12163_1_S10,1450	K.AVEMFHR.Y	1193.64	0.00139	3	1	35.9	0
P12163_2_F7,12701	K.AVEMFHR.Y	1193.64	0.00256	3	1	45.2	0
P12163_2_F9,13426	K.AVEMFHR.Y	1193.64	0.00424	3	1	47.8	0
P12163_1_F7,20896	K.LAM*LFEK.A	1475.875	0.0024	3	1	23.8	0
P12163_2_F1,25652	K.LAM*LFEK.A	1475.875	0.00569	2	1	28.6	0
P12163_1_F5,24512	K.LAMLFEK.A	1459.88	0.00647	2	1	26.6	0
P12163_2_F1,25785	K.LAMLFEK.A	1459.88	0.00713	2	1	27.9	0
P12163_1_F2,22233	K.LFVGNLPHYDSEK.L	2204.206	0.00457	3	1	29.4	0
P12163_1_F5,21898	K.LFVGNLPHYDSEK.L	2204.206	0.00307	3	1	46.9	0
P12163_1_S1,19900	K.LFVGNLPHYDSEK.L	2204.206	0.00328	3	1	39	0
P12163_1_S1,21155	K.LFVGNLPHYDSEK.L	2204.206	0.0073	3	1	47.3	0
P12163_1_S1,21183	K.LFVGNLPHYDSEK.L	2204.206	0.00796	2	1	63.7	0
P12163_1_S1,21210	K.LFVGNLPHYDSEK.L	2204.206	0.00559	4	1	40.6	0
P12163_2_F6,21912	K.LFVGNLPHYDSEK.L	2204.206	0.00403	3	1	26.4	0
P12163_1_F3,19957	R.GFGFVTM*STVEEAEK	2256.168	0.00828	3	1	53.3	0
P12163_1_F3,22580	R.GFGFVTM*STVEEAEK	2256.168	0.01581	3	1	52.1	0
P12163_1_F3,19252	R.GFGFVTMSTVEEAEK..	2240.173	0.00402	3	1	41.7	0
P12163_1_F3,22552	R.GFGFVTMSTVEEAEK..	2240.173	0.01761	3	1	29.1	0
P12163_1_F3,22565	R.GFGFVTMSTVEEAEK..	2240.173	0.00628	2	1	71.7	0
P12163_1_S1,22048	R.IYVGNLPEVDNAR.L	1950.039	0.00378	3	1	29.4	0
P12163_1_S1,22049	R.IYVGNLPEVDNAR.L	1950.039	0.00357	2	1	24.8	0
P12163_2_F6,22525	R.IYVGNLPEVDNAR.L	1950.039	0.00173	2	1	40.5	0
P12163_1_F6,18199	R.LEQVFSEHGK.V	1782.001	0.00594	3	1	29.7	0

P12163_1_F6,18357 R.LEQVFSEHGK.V	1782.001	-0.00071	2	1	31.6	0
P12163_1_F6,22335 R.LEQVFSEHGK.V	1782.001	0.01065	3	1	36.5	0
P12163_1_F9,17573 R.LEQVFSEHGK.V	1782.001	0.00597	3	1	27.4	0
P12163_2_F10,1622 R.LEQVFSEHGK.V	1782.001	-0.00012	3	1	31.4	0
P12163_2_F4,16387 R.LEQVFSEHGK.V	1782.001	0.0003	3	1	31.4	0
P12163_2_F4,16944 R.LEQVFSEHGK.V	1782.001	0.00516	3	1	39.9	0
P12163_2_F6,17574 R.LEQVFSEHGK.V	1782.001	0.00459	3	1	32.3	0
P12163_2_F6,17589 R.LEQVFSEHGK.V	1782.001	-0.00145	2	1	28.5	0
P12163_2_F6,20174 R.LEQVFSEHGK.V	1782.001	0.00402	3	1	34.5	0
P12163_1_F4,10661 R.VNVAEDR.Q	1106.611	0.00402	2	1	29.1	0
P12163_1_F5,14869 K.ANITANFK.L	1486.884	0.00252	3	1	22.7	0
P12163_1_F3,20341 K.DAGGFEALVAGK.T	1742.99	0.00482	3	1	57.8	0
P12163_1_F3,20352 K.DAGGFEALVAGK.T	1742.99	0.00578	2	1	63.6	0
P12163_1_F4,20871 K.DAGGFEALVAGK.T	1742.99	0.01684	2	1	31.7	0
P12163_1_F4,20883 K.DAGGFEALVAGK.T	1742.99	0.01254	3	1	40.9	0
P12163_1_F5,19675 K.DAGGFEALVAGK.T	1742.99	0.00536	2	1	50.2	0
P12163_1_F6,19296 K.DAGGFEALVAGK.T	1742.99	0.00296	3	1	35	0
P12163_1_F6,19350 K.DAGGFEALVAGK.T	1742.99	0.00592	2	1	59.1	0
P12163_1_F7,18889 K.DAGGFEALVAGK.T	1742.99	0.01146	3	1	31.8	0
P12163_2_F2,19828 K.DAGGFEALVAGK.T	1742.99	-0.00688	2	1	60.3	0
P12163_2_F2,19832 K.DAGGFEALVAGK.T	1742.99	-0.00879	3	1	26.2	0
P12163_2_S3,16660 K.DAGGFEALVAGK.T	1742.99	0.00278	3	1	25.9	0
P12163_1_F4,25343 K.ESLLLAFK.D	1528.956	0.00472	2	1	30.7	0
P12163_1_F5,23413 K.ESLLLAFK.D	1528.956	0.00743	2	1	40.6	0
P12163_1_F5,23416 K.ESLLLAFK.D	1528.956	0.00583	3	1	24.1	0
P12163_1_F5,23611 K.ESLLLAFK.D	1528.956	0.00587	2	1	40.1	0
P12163_1_F7,21678 K.ESLLLAFK.D	1528.956	0.00187	2	1	25.6	0
P12163_1_F7,22056 K.ESLLLAFK.D	1528.956	0.00187	3	1	22.7	0
P12163_1_F7,22384 K.ESLLLAFK.D	1528.956	0.00719	2	1	40.1	0
P12163_2_F1,24556 K.ESLLLAFK.D	1528.956	0.00695	2	1	40.6	0
P12163_1_F4,26218 K.LLNLIESK.F	1537.977	0.00574	3	1	36.5	0
P12163_1_F4,26322 K.LLNLIESK.F	1537.977	0.00781	2	1	40.7	0
P12163_1_F5,24244 K.LLNLIESK.F	1537.977	0.00406	3	1	33.6	0
P12163_1_F7,22904 K.LLNLIESK.F	1537.977	-0.00119	3	1	25.8	0
P12163_1_F7,23248 K.LLNLIESK.F	1537.977	0.00241	3	1	22.9	0
P12163_2_F1,25490 K.LLNLIESK.F	1537.977	0.00496	3	1	33.5	0
P12163_2_F1,25552 K.LLNLIESK.F	1537.977	0.00831	2	1	36.3	0
P12163_1_S1,7581 K.TTNM*QQIDVNER.I	1768.88	-0.00129	3	1	26.9	0
P12163_1_S1,8518 K.TTNM*QQIDVNER.I	1768.88	0.0027	3	1	28.5	0
P12163_1_S1,9875 K.TTNM*QQIDVNER.I	1768.88	0.00696	3	1	35.1	0
P12163_1_S1,10745 K.TTNM*QQIDVNER.I	1768.88	0.00162	3	1	52.7	0
P12163_1_S1,12383 K.TTNM*QQIDVNER.I	1768.88	0.00054	3	1	35.6	0
P12163_1_S1,12390 K.TTNM*QQIDVNER.I	1768.88	0.00017	2	1	27.3	0
P12163_1_F2,10994 K.TTNMQQIDVNER.I	1752.885	0.00009	3	1	23.2	0
P12163_1_F2,12651 K.TTNMQQIDVNER.I	1752.885	0.00174	2	1	50.9	0
P12163_1_S1,10710 K.TTNMQQIDVNER.I	1752.885	0.00198	3	1	38	0
P12163_1_S1,11070 K.TTNMQQIDVNER.I	1752.885	-0.00111	3	1	28.9	0
P12163_1_S1,12365 K.TTNMQQIDVNER.I	1752.885	0.00093	3	1	52.3	0
P12163_1_S1,20630 R.FPPTLANLSNM*DVVII	2383.352	0.0008	3	1	28.4	0
P12163_1_F2,13799 R.IPLSGTFQR.L	1322.773	0.003	3	1	29.2	0
P12163_1_F3,11970 R.ITGLER.L	992.6042	0.00345	3	1	26.5	0

P12163_1_F7,17512	K.AEQTDFLHISDFDK.A	2274.186	-0.00204	4	1	27.7	0
P12163_1_F7,19140	K.AEQTDFLHISDFDK.A	2274.186	-0.00208	4	1	37.3	0
P12163_1_F7,19165	K.AEQTDFLHISDFDK.A	2274.186	0.00347	2	1	51.3	0
P12163_2_F10,1786	K.AEQTDFLHISDFDK.A	2274.186	0.00924	3	1	31.7	0
P12163_2_F8_12070	K.AEQTDFLHISDFDK.A	2274.186	0.00441	3	1	28.2	0
P12163_2_F6,17229	K.AYFMHCLPAER.G	1714.835	0.00169	3	1	31	0
P12163_1_F8,17732	K.AYFMHCLPAER.G	1698.84	0.00211	3	1	35.3	0
P12163_1_F8,17764	K.AYFMHCLPAER.G	1698.84	0.00665	2	1	26.1	0
P12163_2_F6,17220	K.AYFMHCLPAER.G	1698.84	0.00349	3	1	45.1	0
P12163_2_F6,17277	K.AYFMHCLPAER.G	1698.84	0.00254	2	1	29.9	0
P12163_2_F2,10672	K.IAGPK.F ! K.LAGPK.W	1093.719	0.00222	3	1	22.2	0
P12163_1_F4,14956	K.IEITNDPK.E	1537.905	0.01172	2	1	37.1	0
P12163_1_F4,14991	K.IEITNDPK.E	1537.905	0.0037	3	1	37.5	0
P12163_1_F6,14525	K.IEITNDPK.E	1537.905	0.00663	2	1	30.8	0
P12163_1_F7,13260	K.IEITNDPK.E	1537.905	-0.00034	2	1	29.8	0
P12163_2_F1,13965	K.IEITNDPK.E	1537.905	0.00454	2	1	35	0
P12163_2_F1,14013	K.IEITNDPK.E	1537.905	0.00346	3	1	39.4	0
P12163_2_S5,12701	K.IEITNDPK.E	1537.905	-0.00506	3	1	36.9	0
P12163_1_F3,25241	K.QAFQGFQVDEFLMK.I	2296.226	0.00536	3	1	60.4	0
P12163_2_F6,18556	R.M*HAQNAIM*LHALGI	1855.982	0.00055	3	1	27.5	0
P12163_2_F6,22191	R.M*HAQNAIM*LHALGI	1855.982	0.00004	3	1	23.4	0
P12163_2_F7,20050	R.M*HAQNAIM*LHALGI	1855.982	0.00424	3	1	25	0
P12163_2_F7,19003	R.M*HAQNAIMLHALGL	1839.987	0.00277	3	1	33.1	0
P12163_2_F7,20053	R.MHAQNAIMLHALGL.-	1823.993	0.00229	3	1	25.2	0
P12163_2_F7,20054	R.MHAQNAIMLHALGL.-	1823.993	-0.00056	2	1	24.6	0
P12163_1_F8,20826	R.VFGHQDILDIAK.Y	1964.143	0.00739	3	1	33	0
P12163_1_F8,20843	R.VFGHQDILDIAK.Y	1964.143	0.00424	2	1	62.7	0
P12163_1_F9,20278	R.VFGHQDILDIAK.Y	1964.143	0.00556	3	1	26.3	0
P12163_1_S10,1910	R.VFGHQDILDIAK.Y	1964.143	0.00082	3	1	43.9	0
P12163_2_F6,20395	R.VFGHQDILDIAK.Y	1964.143	0.00955	3	1	33.5	0
P12163_2_F6,20415	R.VFGHQDILDIAK.Y	1964.143	0.00362	2	1	69.9	0
P12163_2_F6,20423	R.VFGHQDILDIAK.Y	1964.143	0.00437	4	1	26.2	0
P12163_2_F6,20684	R.VFGHQDILDIAK.Y	1964.143	0.00007	3	1	26.2	0
P12163_2_F8_12070	R.VFGHQDILDIAK.Y	1964.143	-0.00056	3	1	37.5	0
P12163_1_F3,17590	R.YNDIIMAR.V	1299.703	0.0038	2	1	24.2	0
P12163_2_F9,16142	R.YNDIIMAR.V	1299.703	0.00159	2	1	24.4	0
P12163_1_F3,17804	K.DFM*IQGGDFDK.G	1896.962	0.00985	2	1	39.1	0
P12163_1_F3,17808	K.DFM*IQGGDFDK.G	1896.962	0.00957	3	1	26.4	0
P12163_1_F3,19505	K.DFM*IQGGDFDK.G	1896.962	0.00936	3	1	30.2	0
P12163_1_F3,19526	K.DFM*IQGGDFDK.G	1896.962	0.01097	2	1	36.3	0
P12163_1_F3,19455	K.DFMIQGGDFDK.G	1880.967	0.01415	2	1	48.8	0
P12163_1_F3,19473	K.DFMIQGGDFDK.G	1880.967	0.00546	3	1	48.6	0
P12163_1_F4,20114	K.DFMIQGGDFDK.G	1880.967	0.00921	2	1	64.1	0
P12163_1_F4,20115	K.DFMIQGGDFDK.G	1880.967	0.00834	3	1	34.6	0
P12163_1_F5,18836	K.DFMIQGGDFDK.G	1880.967	0.00599	2	1	39.9	0
P12163_1_F6,18529	K.DFMIQGGDFDK.G	1880.967	0.006	3	1	25.4	0
P12163_1_S1,18239	K.DFMIQGGDFDK.G	1880.967	0.00885	3	1	35.2	0
P12163_1_F2,6539	K.GSTFHR.V ! K.GSTFHR	1008.553	0.00449	3	1	33.1	0
P12163_1_F4,6988	K.GSTFHR.V ! K.GSTFHR	1008.553	0.00467	3	1	26.4	0
P12163_2_S3,6565	K.GSTFHR.V ! K.GSTFHR	1008.553	0.00554	3	1	29.5	0
P12163_1_F4,19363	K.KVVISDCGELPMSEA.-	2243.187	0.00877	2	1	36.7	0

P12163_1_S1,9972	K.LIESQETDR.G	1394.743	0.00121	3	1	36	0
P12163_1_S1,10856	K.LIESQETDR.G	1394.743	0.00832	3	1	28	0
P12163_1_S1,11076	K.LIESQETDR.G	1394.743	0.00121	3	1	29.7	0
P12163_1_S1,12502	K.LIESQETDR.G	1394.743	0.0037	2	1	35.2	0
P12163_1_F6,20579	K.LSHIGPGVVSM*ANAC	3627.887	0.00538	4	1	23.4	0
P12163_1_F5,9906	R.ALCTGEK.G	1386.787	0.00705	2	1	26.7	0
P12163_1_F6,10902	R.ALCTGEK.G	1386.787	0.01195	2	1	26.2	0
P12163_1_F8,10102	R.ALCTGEK.G	1386.787	0.00237	2	1	27.1	0
P12163_2_F2,10720	R.ALCTGEK.G	1386.787	0.00655	2	1	27	0
P12163_2_F2,10838	R.ALCTGEK.G	1386.787	0.00185	3	1	29.9	0
P12163_2_F2,11178	R.ALCTGEK.G	1386.787	0.00683	2	1	26.2	0
P12163_1_F8,19796	R.HVVFGQVLEGM*DIVI	2295.299	0.00261	4	1	23.6	0
P12163_1_F8,19799	R.HVVFGQVLEGM*DIVI	2295.299	0.00344	2	1	33	0
P12163_1_F8,22826	R.HVVFGQVLEGM*DIVI	2295.299	0.00673	4	1	37.7	0
P12163_1_F8,22863	R.HVVFGQVLEGM*DIVI	2295.299	0.00596	3	1	46.8	0
P12163_2_F6,19321	R.HVVFGQVLEGM*DIVI	2295.299	0.00474	2	1	46.1	0
P12163_2_F6,22532	R.HVVFGQVLEGM*DIVI	2279.304	0.00389	3	1	63.9	0
P12163_2_F6,22548	R.HVVFGQVLEGM*DIVI	2279.304	0.00501	4	1	29.9	0
P12163_2_F6,22573	R.HVVFGQVLEGM*DIVI	2279.304	0.00138	2	1	57.9	0
P12163_2_F8,12070	R.HVVFGQVLEGM*DIVI	2279.304	-0.00007	4	1	22.9	0
P12163_1_F7,21705	R.IVIGLYGDDVPQTAEN	2311.224	-0.00139	2	1	54.8	0
P12163_1_F8,18334	K.VKPGFDYLEVR.K	1931.121	0.00389	2	1	26.7	0
P12163_1_F9,17929	K.VKPGFDYLEVR.K	1931.121	-0.00299	2	1	24	0
P12163_1_F2,22323	R.DSIPLVPVPEK.V	1915.172	0.00403	3	1	31.2	0
P12163_1_F2,22332	R.DSIPLVPVPEK.V	1915.172	0.00613	2	1	26.5	0
P12163_1_F4,23883	R.DSIPLVPVPEK.V	1915.172	0.00149	2	1	41.9	0
P12163_1_F5,22011	R.DSIPLVPVPEK.V	1915.172	0.00118	3	1	26.2	0
P12163_1_F5,22012	R.DSIPLVPVPEK.V	1915.172	0.00107	2	1	37.9	0
P12163_1_F5,22382	R.DSIPLVPVPEK.V	1915.172	0.00211	2	1	29.1	0
P12163_1_S1,17984	R.DSIPLVPVPEK.V	1915.172	0.00638	4	1	26.5	0
P12163_1_S1,20433	R.DSIPLVPVPEK.V	1915.172	0.00742	3	1	28.9	0
P12163_1_S1,20465	R.DSIPLVPVPEK.V	1915.172	0.00837	2	1	36	0
P12163_1_S1,20513	R.DSIPLVPVPEK.V	1915.172	0.00438	4	1	34.8	0
P12163_1_S1,20677	R.DSIPLVPVPEK.V	1915.172	0.00634	3	1	39	0
P12163_1_S1,20707	R.DSIPLVPVPEK.V	1915.172	0.01143	2	1	36	0
P12163_2_F2,22398	R.DSIPLVPVPEK.V	1915.172	-0.00047	3	1	29	0
P12163_1_S10,1049	R.EIMHMK.D	1379.792	0.00586	3	1	32.9	0
P12163_2_F9,9520	R.EIMHMK.D	1379.792	0.00256	3	1	25.7	0
P12163_1_F3,12723	R.FAMPNTR.V	1140.614	0.00503	3	1	22.6	0
P12163_1_S1,21257	R.GAEADAMGLLLR.E	1520.841	-0.00907	2	1	56.1	0
P12163_1_S1,21265	R.GAEADAMGLLLR.E	1520.841	0.00371	3	1	71.1	0
P12163_1_S1,21421	R.GAEADAMGLLLR.E	1520.841	0.00285	2	1	32.9	0
P12163_1_S1,21429	R.GAEADAMGLLLR.E	1520.841	0.00737	3	1	52.2	0
P12163_1_F3,15788	R.IISGFTGR.S	1154.683	0.00286	3	1	42.6	0
P12163_1_F3,16782	R.IISGFTGR.S	1154.683	0.00313	3	1	37.2	0
P12163_1_F3,21471	R.KFLTPDVPDDEIV.-	2096.174	0.00745	2	1	34.7	0
P12163_1_F3,21476	R.KFLTPDVPDDEIV.-	2096.174	0.0024	3	1	34.6	0
P12163_1_F5,11700	R.SFEQVQK.D	1473.852	0.00832	2	1	27.1	0
P12163_1_F6,12638	R.SFEQVQK.D	1473.852	0.0047	2	1	24.2	0
P12163_2_F1,12155	R.SFEQVQK.D	1473.852	0.00345	3	1	22.5	0
P12163_2_F2,12495	R.SFEQVQK.D	1473.852	0.00792	2	1	29.4	0

P12163_2_F2,12504	R.SFEQVQK.D	1473.852	0.00942	3	1	31.6	0
P12163_1_F2,7035	K.AVDDPR.T	976.5365	0.00178	2	1	26.1	0
P12163_2_F1,6810	K.AVDDPR.T	976.5365	0.00264	2	1	32	0
P12163_1_F3,16236	K.EDDIGTYTIK.A	1762.968	0.01439	2	1	32	0
P12163_1_F4,18399	K.EYVSEEQLLK.N ! R.EY	1846.042	0.00872	2	1	53.1	0
P12163_1_F4,18412	K.EYVSEEQLLK.N ! R.EY	1846.042	0.00857	3	1	45.8	0
P12163_1_F9,17086	K.EYVSEEQLLK.N ! R.EY	1846.042	-0.00286	3	1	25.5	0
P12163_2_F9,16197	K.EYVSEEQLLK.N ! R.EY	1846.042	0.00728	3	1	41.1	0
P12163_1_F5,11499	K.GVQTNFK.I	1401.831	0.00836	2	1	28.1	0
P12163_2_F2,12251	K.GVQTNFK.I	1401.831	0.00692	2	1	28.3	0
P12163_2_F2,12252	K.GVQTNFK.I	1401.831	0.00585	3	1	26.4	0
P12163_1_F8,21764	K.IEPSFGVEASQLYPDVI	2487.359	0.00198	3	1	56.6	0
P12163_1_S1,20629	K.IEPSFGVEASQLYPDVI	2487.359	0.00543	4	1	25.4	0
P12163_1_S1,20673	K.IEPSFGVEASQLYPDVI	2487.359	0.00504	3	1	70.5	0
P12163_1_F5,9600	K.STYDVK.A	1320.762	0.00888	3	1	25.7	0
P12163_1_F2,16621	K.VVILGDGNPK.E ! K.V\	1619.994	0.00916	3	1	42.4	0
P12163_1_F2,16631	K.VVILGDGNPK.E ! K.V\	1619.994	0.00786	2	1	32	0
P12163_1_F4,17955	K.VVILGDGNPK.E ! K.V\	1619.994	0.00196	2	1	32.7	0
P12163_1_F6,16784	K.VVILGDGNPK.E ! K.V\	1619.994	-0.00209	3	1	31	0
P12163_1_F7,15901	K.VVILGDGNPK.E ! K.V\	1619.994	0.00328	3	1	31.7	0
P12163_1_F7,15910	K.VVILGDGNPK.E ! K.V\	1619.994	0.0033	2	1	46.1	0
P12163_1_S1,15560	K.VVILGDGNPK.E ! K.V\	1619.994	0.00523	3	1	22.5	0
P12163_2_F1,17152	K.VVILGDGNPK.E ! K.V\	1619.994	0.00384	2	1	29	0
P12163_2_F1,17180	K.VVILGDGNPK.E ! K.V\	1619.994	0.00676	3	1	27.6	0
P12163_2_F2,141	K.VVILGDGNPK.E ! K.V\	1619.994	0.00366	2	1	46	0
P12163_2_F4,15347	K.VVILGDGNPK.E ! K.V\	1619.994	0.00415	3	1	28.2	0
P12163_2_F4,15580	K.VVILGDGNPK.E ! K.V\	1619.994	-0.00228	2	1	41.6	0
P12163_2_F4,15582	K.VVILGDGNPK.E ! K.V\	1619.994	-0.00728	3	1	44.8	0
P12163_1_F9,9668	R.VHGAVEPTK.S	1545.921	0.00557	3	1	45.6	0
P12163_2_F9,9138	R.VHGAVEPTK.S	1545.921	0.0059	3	1	42.8	0
P12163_2_F9,9228	R.VHGAVEPTK.S	1545.921	0.00654	2	1	24.4	0
P12163_1_F8,16382	K.DPIEDKPIELR.Y	1933.121	0.00515	3	1	49.1	0
P12163_2_F6,15839	K.DPIEDKPIELR.Y	1933.121	0.00505	2	1	28.2	0
P12163_2_F9,10888	R.DILPHR.F	1054.631	0.00524	3	1	30.3	0
P12163_1_F4,23880	R.ENFFFAGIDK.V	1795.984	0.00701	2	1	34.9	0
P12163_1_F4,24395	R.ENFFFAGIDK.V	1795.984	0.00524	3	1	35.6	0
P12163_1_F5,22449	R.ENFFFAGIDK.V	1795.984	0.00749	3	1	36.6	0
P12163_1_F6,22086	R.ENFFFAGIDK.V	1795.984	0.0059	3	1	27.4	0
P12163_1_F7,20957	R.ENFFFAGIDK.V	1795.984	0.00433	2	1	29.4	0
P12163_1_F7,20966	R.ENFFFAGIDK.V	1795.984	0.0011	3	1	33.7	0
P12163_1_F7,21399	R.ENFFFAGIDK.V	1795.984	0.00665	3	1	40.1	0
P12163_2_F1,23285	R.ENFFFAGIDK.V	1795.984	0.00686	3	1	36.5	0
P12163_2_F1,23286	R.ENFFFAGIDK.V	1795.984	0.00677	2	1	59.9	0
P12163_2_F4,20351	R.ENFFFAGIDK.V	1795.984	0.0074	3	1	33.6	0
P12163_2_S5,20509	R.ENFFFAGIDK.V	1795.984	0.00212	3	1	32.9	0
P12163_1_S1,24334	R.FPFLLVDR.V	1310.777	0.00118	3	1	40.9	0
P12163_1_S1,24528	R.FPFLLVDR.V	1310.777	0.00214	3	1	42.4	0
P12163_1_S1,24607	R.FPFLLVDR.V	1310.777	0.00322	2	1	26.4	0
P12163_1_F6,17836	R.FRKPVIAGDTLVMR.M	2211.326	0.00363	4	1	35.1	0
P12163_1_F7,17048	R.FRKPVIAGDTLVMR.M	2211.326	0.00335	4	1	28.4	0
P12163_2_F6,17298	R.FRKPVIAGDTLVMR.M	2211.326	0.00367	4	1	46.9	0

P12163_2_F6,14534 R.KPVIAGDTLVM*R.M	1924.151	0.00621	3	1	26.1	0
P12163_2_F6,13570 R.KPVIAGDTLVMR.M	1908.156	0.00478	4	1	27.9	0
P12163_2_F6,16351 R.KPVIAGDTLVMR.M	1908.156	0.00768	3	1	24.3	0
P12163_1_F2,19668 R.VIEYNPGVSAVAIK.N	2068.226	0.0043	2	1	76	0
P12163_1_F2,19674 R.VIEYNPGVSAVAIK.N	2068.226	-0.00086	3	1	50.3	0
P12163_2_F2,19862 R.VIEYNPGVSAVAIK.N	2068.226	-0.00713	3	1	22.3	0
P12163_2_F4,18385 R.VIEYNPGVSAVAIK.N	2068.226	0.00427	3	1	40.9	0
P12163_2_F6,19295 R.VIEYNPGVSAVAIK.N	2068.226	0.00219	2	1	55.5	0
P12163_2_F6,22434 R.YQAFPTVM*DINQIR.D	2016.053	0.00108	2	1	25	0
P12163_2_F6,22445 R.YQAFPTVMDINQIR.D	2000.058	-0.00344	2	1	23.9	0
P12163_1_S1,19084 K.DSTLIMQLLR.D	1493.866	-0.00037	3	1	24	0
P12163_1_F3,25974 K.IEAELTEICGGILK.L	2154.23	0.00582	3	1	36.3	0
P12163_2_F1,9483 K.LAEQAER.Y ! R.LAEQ,	1120.626	0.00298	2	1	24.7	0
P12163_1_F3,13323 K.LVPAAAAADSK.V	1621.973	0.00791	3	1	27.6	0
P12163_1_F3,15338 K.LVPAAAAADSK.V	1621.973	0.00493	2	1	49.9	0
P12163_1_F7,12563 K.SAQDIANAELAPTHPII	2108.14	-0.00166	3	1	35.8	0
P12163_1_F7,14931 K.SAQDIANAELAPTHPII	2108.14	0.00218	3	1	47.1	0
P12163_1_F7,19342 K.SAQDIANAELAPTHPII	2108.14	-0.02266	3	1	34.7	0
P12163_2_S5,12225 K.SAQDIANAELAPTHPII	2108.14	0.00503	3	1	28.3	0
P12163_2_S5,14571 K.SAQDIANAELAPTHPII	2108.14	0.00296	3	1	66	0
P12163_2_S5,14603 K.SAQDIANAELAPTHPII	2108.14	-0.00292	2	1	34	0
P12163_1_F4,13882 R.EENVYMAK.L ! R.EEN	1591.861	0.00598	3	1	30	0
P12163_1_F5,12428 R.EENVYMAK.L ! R.EEN	1591.861	0.00856	2	1	35.6	0
P12163_1_F5,12489 R.EENVYMAK.L ! R.EEN	1591.861	0.01225	3	1	24.7	0
P12163_2_F1,12743 R.EENVYMAK.L ! R.EEN	1591.861	0.00684	2	1	31.1	0
P12163_1_F4,19313 R.NLLSVAYK.N	1515.935	0.00473	2	1	24.7	0
P12163_1_F5,18080 R.NLLSVAYK.N	1515.935	0.00697	2	1	39.6	0
P12163_1_F5,18081 R.NLLSVAYK.N	1515.935	0.00381	3	1	34.8	0
P12163_1_F6,18423 R.NLLSVAYK.N	1515.935	0.01068	3	1	31.8	0
P12163_1_F9,17887 R.NLLSVAYK.N	1515.935	0.006	3	1	24.6	0
P12163_2_F1,18587 R.NLLSVAYK.N	1515.935	0.00633	2	1	42.2	0
P12163_2_F1,18588 R.NLLSVAYK.N	1515.935	0.00501	3	1	35.5	0
P12163_2_F2,18787 R.NLLSVAYK.N	1515.935	0.00681	3	1	28.1	0
P12163_2_F2,18808 R.NLLSVAYK.N	1515.935	0.00629	2	1	32.4	0
P12163_2_F8_12070 R.NLLSVAYK.N	1515.935	0.00594	3	1	30.9	0
P12163_2_S5,16404 R.NLLSVAYK.N	1515.935	0.00054	3	1	31.7	0
P12163_1_S10,18390 R.YLAEFK.V ! R.YLAEFK	1378.819	0.0079	3	1	24	0
P12163_2_F8_12070 R.YLAEFK.V ! R.YLAEFK	1378.819	0.00689	3	1	22.1	0
P12163_2_F8_12070 R.YLAEFK.V ! R.YLAEFK	1378.819	0.0056	3	1	22.9	0
P12163_1_F4,21734 K.AEFPIFDK.V ! K.AEFPI	1574.904	0.00428	2	1	26.4	0
P12163_1_F4,21751 K.AEFPIFDK.V ! K.AEFPI	1574.904	-0.00508	3	1	25	0
P12163_1_F4,21925 K.AEFPIFDK.V ! K.AEFPI	1574.904	0.00614	2	1	25.2	0
P12163_1_F4,22647 K.AEFPIFDK.V ! K.AEFPI	1574.904	0.00794	2	1	29.1	0
P12163_1_F4,22984 K.AEFPIFDK.V ! K.AEFPI	1574.904	0.00758	3	1	24.4	0
P12163_1_F5,20713 K.AEFPIFDK.V ! K.AEFPI	1574.904	0.00546	2	1	27.1	0
P12163_1_F5,20757 K.AEFPIFDK.V ! K.AEFPI	1574.904	0.00521	3	1	23.4	0
P12163_1_F6,20663 K.AEFPIFDK.V ! K.AEFPI	1574.904	0.00316	2	1	29.6	0
P12163_1_F6,20709 K.AEFPIFDK.V ! K.AEFPI	1574.904	0.00356	3	1	25.1	0
P12163_1_F7,19441 K.AEFPIFDK.V ! K.AEFPI	1574.904	-0.00217	3	1	22.4	0
P12163_2_F1,21277 K.AEFPIFDK.V ! K.AEFPI	1574.904	0.00548	2	1	24.7	0
P12163_2_F1,21289 K.AEFPIFDK.V ! K.AEFPI	1574.904	0.0026	3	1	24.9	0

P12163_2_F4,18984	K.AEFPIFDK.V ! K.AEFPI	1574.904	0.00296	2	1	30.8	0
P12163_1_F4,8285	K.EGNVVER.Y	1106.611	0.00366	2	1	28.3	0
P12163_2_F1,7418	K.EGNVVER.Y	1106.611	0.00446	2	1	26.7	0
P12163_2_F6,16306	K.FLVDKEGNVVER.Y	2013.159	0.00063	2	1	30.2	0
P12163_1_F5,17516	K.GGLFGDSIK.W	1501.883	0.00871	2	1	32.5	0
P12163_1_F5,17552	K.GGLFGDSIK.W	1501.883	0.00606	3	1	41.5	0
P12163_1_F5,17778	K.GGLFGDSIK.W	1501.883	0.00665	2	1	34.9	0
P12163_2_F1,18043	K.GGLFGDSIK.W	1501.883	0.00785	2	1	44.8	0
P12163_2_F1,18051	K.GGLFGDSIK.W	1501.883	0.00666	3	1	45.8	0
P12163_1_F3,17418	K.QQDVLSIYK.G	1745.989	0.00468	2	1	52.3	0
P12163_1_F4,17832	K.QQDVLSIYK.G	1745.989	0.00668	3	1	44.7	0
P12163_1_F6,13290	K.TSVHDFSVK.D	1627.926	0.00667	2	1	33	0
P12163_1_F2,15410	K.VDVNGDNAAPLYK.H	1984.096	0.00419	2	1	66.6	0
P12163_1_F3,15981	K.VDVNGDNAAPLYK.H	1984.096	0.00167	2	1	66.8	0
P12163_1_F3,17891	R.YAPTTSPLSIEK.D	1915.1	0.00478	2	1	51.3	0
P12163_2_F1,17743	R.YAPTTSPLSIEK.D	1915.1	0.0018	2	1	46.3	0
P12163_1_F5,4883	K.ESAGHK.I	1236.716	0.00602	3	1	23.5	0
P12163_1_S10,6663	K.ESAGHK.I	1236.716	0.01139	3	1	25.9	0
P12163_2_S5,5844	K.ESAGHK.I	1236.716	0.00626	3	1	26.7	0
P12163_1_F3,24928	K.ILATLGFNDEK.A	1829.063	0.00209	2	1	27.1	0
P12163_1_F4,25729	K.ILATLGFNDEK.A	1829.063	0.0059	3	1	25.5	0
P12163_1_F4,25970	K.ILATLGFNDEK.A	1829.063	0.00473	2	1	24	0
P12163_2_F1,24972	K.ILATLGFNDEK.A	1829.063	0.00689	2	1	25.4	0
P12163_1_F6,22478	K.SDLFFFSPERPPLTEQA	2569.335	0.00274	3	1	30.6	0
P12163_1_F3,18986	K.SINEDTILSFK.-	1875.068	0.00773	3	1	25.6	0
P12163_1_F3,21424	K.SINEDTILSFK.-	1875.068	0.01469	3	1	24.1	0
P12163_1_F3,21498	K.SINEDTILSFK.-	1875.068	0.00621	2	1	54	0
P12163_1_F4,22100	K.SINEDTILSFK.-	1875.068	0.00703	2	1	55.2	0
P12163_1_F4,22190	K.SINEDTILSFK.-	1875.068	0.00353	3	1	38.1	0
P12163_2_F1,21601	K.SINEDTILSFK.-	1875.068	0.00377	3	1	40.4	0
P12163_1_F5,21345	R.ALDWAFNEK.L	1701.942	0.0049	2	1	37.3	0
P12163_1_F5,21422	R.ALDWAFNEK.L	1701.942	0.00688	3	1	24.2	0
P12163_2_F1,22105	R.ALDWAFNEK.L	1701.942	0.00388	2	1	33.4	0
P12163_2_F1,22120	R.ALDWAFNEK.L	1701.942	0.01099	3	1	30.1	0
P12163_2_S5,19712	R.ALDWAFNEK.L	1701.942	-0.00119	3	1	25.9	0
P12163_2_F1,18872	R.ANGITLFK.V	1471.909	0.00009	3	1	36.1	0
P12163_2_F2,19217	R.ANGITLFK.V	1471.909	0.00531	3	1	26.7	0
P12163_2_F2,19228	R.ANGITLFK.V	1471.909	0.00705	2	1	25.3	0
P12163_2_F1,19799	R.EETLNLLGK.S	1624.973	0.00674	2	1	24.6	0
P12163_1_F2,15781	R.SFAM*AELEAR.K	1444.741	0.00454	3	1	38.6	0
P12163_1_F2,15742	R.SFAMAELEAR.K	1428.746	0.00793	3	1	23.2	0
P12163_1_F3,16241	R.SFAMAELEAR.K	1428.746	0.00136	3	1	25.9	0
P12163_1_F3,19246	R.SFAMAELEAR.K	1428.746	0.00376	2	1	42.9	0
P12163_2_F1,18743	R.SFAMAELEAR.K	1428.746	0.00294	2	1	44.2	0
P12163_1_F7,23536	K.EAFLSLNPFQVPVLE	2933.598	0.00356	4	1	39.2	0
P12163_1_F7,23696	K.EAFLSLNPFQVPVLE	2933.598	0.00762	3	1	26.9	0
P12163_1_F2,21898	K.ELEYELVPVDM*K.A	2089.135	0.00198	3	1	32.5	0
P12163_2_F6,21562	K.ELEYELVPVDM*K.A	2089.135	0.00327	3	1	30.1	0
P12163_1_S1,20730	K.ELEYELVPVDMK.A	2073.14	0.00253	3	1	31	0
P12163_1_S1,20811	K.ELEYELVPVDMK.A	2073.14	0.00161	2	1	48.3	0
P12163_1_F2,16862	K.EVEALQFDPPSSK.L	2055.122	0.00162	2	1	31.3	0

P12163_1_F2,16897	K.EVEALQFDPPSSK.L	2055.122	0.00879	3	1	32.9	0
P12163_1_F2,18099	K.EVEALQFDPPSSK.L	2055.122	0.0044	2	1	51	0
P12163_1_F2,18103	K.EVEALQFDPPSSK.L	2055.122	0.00486	3	1	37.6	0
P12163_1_F2,20196	K.ILDVYEAR.L	1282.731	0.00024	2	1	24.1	0
P12163_1_F9,19523	K.ILDVYEAR.L	1282.731	0.00214	2	1	26.1	0
P12163_1_S1,19622	K.ILDVYEAR.L	1282.731	0.00522	2	1	25.7	0
P12163_1_F6,12574	K.VHGSVFSTATQR.V	1593.865	0.00074	3	1	30.1	0
P12163_2_F4,11480	K.VHGSVFSTATQR.V	1593.865	0.00161	3	1	56.1	0
P12163_2_S5,11991	K.VHGSVFSTATQR.V	1593.865	0.002	3	1	31.1	0
P12163_2_F7,19142	K.VLALLKH.-	1401.94	0.00371	3	1	29.6	0
P12163_1_F3,22946	R.AITQYIAQEFDPK.G	2132.185	0.00598	3	1	53	0
P12163_1_F3,22958	R.AITQYIAQEFDPK.G	2132.185	0.00257	2	1	63.1	0
P12163_2_F7,19781	R.AITQYIAQEFDPK.G	2132.185	0.0049	3	1	22.3	0
P12163_1_F4,22480	R.VFASLYEK.E	1564.919	-0.00288	2	1	26.9	0
P12163_1_F5,21188	R.VFASLYEK.E	1564.919	0.00758	3	1	22.5	0
P12163_2_F1,21725	R.VFASLYEK.E	1564.919	0.0056	3	1	40.9	0
P12163_2_F1,21965	R.VFASLYEK.E	1564.919	-0.00001	3	1	32.9	0
P12163_2_F8_12070	R.VFASLYEK.E	1564.919	0.0062	3	1	25.6	0
P12163_2_F8_12070	R.VFASLYEK.E	1564.919	0.00326	3	1	33.4	0
P12163_2_F9,19556	R.VFASLYEK.E	1564.919	0.0011	3	1	27	0
P12163_1_F5,12515	K.EDLDTYSQHPDHMGA	2551.271	0.00957	3	1	27.4	0
P12163_2_F10,1265	K.EDLDTYSQHPDHMGA	2551.271	0.00496	4	1	24.7	0
P12163_2_F4,12300	K.EDLDTYSQHPDHMGA	2551.271	0.00268	4	1	40.8	0
P12163_2_F4,12303	K.EDLDTYSQHPDHMGA	2551.271	0.00495	3	1	22.2	0
P12163_2_S5,12646	K.EDLDTYSQHPDHMGA	2551.271	0.00888	4	1	36.6	0
P12163_1_F2,17141	K.EM*EEADSNEELVNLQ	2502.249	0.0064	3	1	22.9	0
P12163_1_S1,15261	K.EM*EEADSNEELVNLQ	2502.249	0.00739	3	1	45.2	0
P12163_1_S1,16676	K.EMEEADSNEELVNLQI	2486.254	0.00451	3	1	58.1	0
P12163_1_S1,18783	K.ESFGGIQQITSGENFSA	2232.12	-0.00114	3	1	57.7	0
P12163_1_S1,18804	K.ESFGGIQQITSGENFSA	2232.12	0.00079	2	1	83.9	0
P12163_1_F4,18051	K.ESVLPICK.D	1553.918	0.01357	3	1	28.9	0
P12163_1_F6,23545	K.GFSIASIAVFK.S	1748.057	-0.00071	3	1	29.8	0
P12163_1_F9,16885	K.NEIYGVIK.G	1543.93	0.00408	3	1	22.3	0
P12163_1_F9,16908	K.NEIYGVIK.G	1543.93	0.00403	2	1	31.4	0
P12163_2_F1,17179	K.NEIYGVIK.G	1543.93	0.00528	3	1	22.3	0
P12163_2_F8_12070	K.NEIYGVIK.G	1543.93	0.00282	3	1	25	0
P12163_2_F8_12070	K.NEIYGVIK.G	1543.93	0.00501	2	1	25.1	0
P12163_2_S5,15312	K.NEIYGVIK.G	1543.93	0.00231	3	1	24.2	0
P12163_1_F8,15518	K.TIEHVVLFK.V	1694.046	0.00256	3	1	25.8	0
P12163_2_F6,14905	K.TIEHVVLFK.V	1694.046	0.00508	3	1	36.1	0
P12163_2_F6,18355	K.TIEHVVLFK.V	1694.046	0.00747	2	1	44.8	0
P12163_2_F6,18598	K.TIEHVVLFK.V	1694.046	0.00574	3	1	31.2	0
P12163_2_F7,16393	K.TIEHVVLFK.V	1694.046	0.00361	3	1	25.1	0
P12163_2_F8_12070	K.TIEHVVLFK.V	1694.046	-0.00002	3	1	31	0
P12163_1_F9,12480	R.HLACGPVLR.N	1326.762	0.00385	3	1	37.2	0
P12163_2_F7,11486	R.HLACGPVLR.N	1326.762	0.00208	3	1	36	0
P12163_2_F9,11411	R.HLACGPVLR.N	1326.762	0.00271	3	1	32.1	0
P12163_1_F3,28044	K.IFPSFVNFLK.S	1820.093	0.00061	3	1	26.8	0
P12163_2_F9,18563	K.KLFALESFQK.T	2123.299	0.00925	3	1	43.6	0
P12163_1_F4,25564	K.LFALESFQK.T	1690.999	-0.01114	3	1	25.9	0
P12163_1_F4,25597	K.LFALESFQK.T	1690.999	0.00333	2	1	37.8	0

P12163_1_F5,23788	K.LFALESFQK.T	1690.999	0.00038	3	1	28.9	0
P12163_1_F7,22417	K.LFALESFQK.T	1690.999	-0.00163	3	1	27.9	0
P12163_2_F1,24812	K.LFALESFQK.T	1690.999	-0.00169	3	1	23.5	0
P12163_1_F4,20662	K.QYVIAGWAPK.V	1741.026	0.00374	3	1	34.6	0
P12163_1_F4,20683	K.QYVIAGWAPK.V	1741.026	0.00122	2	1	55.7	0
P12163_2_F1,20058	K.QYVIAGWAPK.V	1741.026	0.00232	2	1	33.6	0
P12163_2_F1,20068	K.QYVIAGWAPK.V	1741.026	0.00431	3	1	29.1	0
P12163_2_F6,18859	K.SKDPNDGTEQALLEEI	2799.55	0.00746	4	1	31.9	0
P12163_1_F9,10725	K.THGGPFIAGEK.V	1721.979	0.00765	3	1	36	0
P12163_2_F9,11542	K.THGGPFIAGEK.V	1721.979	-0.00048	3	1	28.5	0
P12163_1_F2,19492	K.VTAVDLSLAPK.L	1722.062	0.00367	3	1	47.6	0
P12163_1_F2,19493	K.VTAVDLSLAPK.L	1722.062	0.00591	2	1	42.9	0
P12163_1_F3,20124	K.VTAVDLSLAPK.L	1722.062	0.0067	3	1	43.3	0
P12163_1_F3,20126	K.VTAVDLSLAPK.L	1722.062	0.00663	2	1	54	0
P12163_2_F2,19676	K.VTAVDLSLAPK.L	1722.062	-0.00332	3	1	41.7	0
P12163_2_F4,18283	K.VTAVDLSLAPK.L	1722.062	0.00391	3	1	42.4	0
P12163_1_F4,20133	R.ALLTLEEK.K	1524.946	0.01898	2	1	24.7	0
P12163_1_F4,20213	R.ALLTLEEK.K	1524.946	0.00197	3	1	37.8	0
P12163_1_F4,20403	R.ALLTLEEK.K	1524.946	0.01532	2	1	34.8	0
P12163_1_F5,19103	R.ALLTLEEK.K	1524.946	0.00134	2	1	30.8	0
P12163_1_F5,19224	R.ALLTLEEK.K	1524.946	-0.00022	3	1	40.5	0
P12163_2_F1,19613	R.ALLTLEEK.K	1524.946	0.00492	2	1	39.9	0
P12163_2_F1,19776	R.ALLTLEEK.K	1524.946	0.0032	3	1	38.2	0
P12163_1_F3,20346	K.ANEISVSAAEEFNIEK.I	2417.266	0.00778	3	1	29.5	0
P12163_1_F7,16843	K.DDHHLVESVLESAK.E	2187.187	0.00743	3	1	44.8	0
P12163_1_F7,16884	K.DDHHLVESVLESAK.E	2187.187	0.00492	4	1	29.4	0
P12163_1_F3,11034	K.EVLNVSR.D	1120.663	0.00187	3	1	29.9	0
P12163_1_S1,14115	K.IVCENTLDAR.L	1494.789	0.00542	2	1	36.5	0
P12163_1_F4,20153	K.LQLVEAEK.K	1537.941	0.00879	3	1	31.5	0
P12163_1_F4,20156	K.LQLVEAEK.K	1537.941	0.00247	2	1	35.5	0
P12163_1_F5,18808	K.LQLVEAEK.K	1537.941	0.00876	3	1	42.3	0
P12163_1_F5,18829	K.LQLVEAEK.K	1537.941	0.00931	2	1	40.5	0
P12163_1_F7,16855	K.LQLVEAEK.K	1537.941	0.00732	3	1	24.6	0
P12163_1_F7,18174	K.LQLVEAEK.K	1537.941	0.0051	3	1	24.7	0
P12163_2_F1,19474	K.LQLVEAEK.K	1537.941	0.00525	2	1	38.8	0
P12163_2_F1,19548	K.LQLVEAEK.K	1537.941	0.0057	3	1	31.1	0
P12163_2_F1,19706	K.LQLVEAEK.K	1537.941	0.00447	2	1	36.9	0
P12163_2_F2,19506	K.LQLVEAEK.K	1537.941	-0.00138	3	1	25.7	0
P12163_1_S1,24500	K.VLQAQDDLVSNM*ME	2574.336	0.00173	4	1	43.6	0
P12163_1_S1,21573	K.VLQAQDDLVSNNM*E	2574.336	0.01667	3	1	31.9	0
P12163_1_S1,21593	K.VLQAQDDLVSNNM*E	2574.336	0.00893	4	1	35	0
P12163_1_S1,21800	K.VLQAQDDLVSNNM*E	2574.336	0.00983	3	1	69.9	0
P12163_1_S1,21877	K.VLQAQDDLVSNNM*E	2574.336	0.00741	4	1	51.5	0
P12163_1_S1,24469	K.VLQAQDDLVSNNMME/	2558.341	0.00661	4	1	45.4	0
P12163_1_S1,24597	K.VLQAQDDLVSNNMME/	2558.341	0.0092	3	1	51.2	0
P12163_1_F4,7069	R.DHNSYK.K	1371.748	0.01024	3	1	27.1	0
P12163_2_F4,6094	R.DHNSYK.K	1371.748	0.0031	3	1	24.1	0
P12163_2_F2,16523	R.KQLVSQVAA.-	1551.968	0.00409	2	1	44.4	0
P12163_1_F5,11101	K.DCQLSVK.Q	1457.824	0.0078	2	1	27.1	0
P12163_1_F5,11117	K.DCQLSVK.Q	1457.824	0.00863	3	1	22.4	0
P12163_1_F6,12043	K.DCQLSVK.Q	1457.824	0.00672	2	1	25.1	0

P12163_2_F1,11627	K.DCQLSVK.Q	1457.824	0.00407	3	1	22.2	0
P12163_1_F7,16520	K.GVLDATHEILER.L	1656.922	0.00653	3	1	24.2	0
P12163_1_F7,17941	K.GVLDATHEILER.L	1656.922	0.00491	3	1	53.2	0
P12163_1_F8,18714	K.GVLDATHEILER.L	1656.922	0.00422	3	1	43.6	0
P12163_1_F8,18727	K.GVLDATHEILER.L	1656.922	0.00305	2	1	40.7	0
P12163_2_S5,13470	K.GVLDATHEILER.L	1656.922	-0.00559	3	1	24.3	0
P12163_2_S5,17464	K.GVLDATHEILER.L	1656.922	0.00095	3	1	55.7	0
P12163_2_S5,17676	K.GVLDATHEILER.L	1656.922	0.00167	3	1	24.6	0
P12163_1_F2,20013	K.YGIFENINSLR.E	1629.89	0.00061	3	1	27	0
P12163_2_F6,16101	R.ELAQM*PQWTAEKPLI	2422.337	0.00527	3	1	38.3	0
P12163_1_S1,22110	R.ILSQTSFSGLQGPTVSP	2861.569	0.00482	3	1	72.3	0
P12163_1_F9,11675	R.LEAHLR.A	1042.631	0.00382	3	1	28.8	0
P12163_1_S10,12111	R.LEAHLR.A	1042.631	0.00514	3	1	35	0
P12163_1_S10,12321	R.LEAHLR.A	1042.631	0.00397	3	1	30.6	0
P12163_2_F8_12070	R.LEAHLR.A	1042.631	0.00412	3	1	33.2	0
P12163_1_F4,20674	R.LSLAIPK.Y	1349.898	0.00781	3	1	25.5	0
P12163_2_F1,20141	R.LSLAIPK.Y	1349.898	0.00742	3	1	23.5	0
P12163_1_F3,20105	R.M*AADTLDLLK.D	1714.987	0.004	3	1	37.7	0
P12163_1_F3,20143	R.M*AADTLDLLK.D	1714.987	0.00411	2	1	38.8	0
P12163_1_F3,22893	R.M*AADTLDLLK.D	1714.987	0.01177	2	1	32.4	0
P12163_1_F3,22836	R.MAADTLDLLK.D	1698.992	0.00917	2	1	38.8	0
P12163_1_S1,16209	K.AIALTVDTPR.L	1360.81	0.00389	2	1	27.1	0
P12163_1_S1,16226	K.AIALTVDTPR.L	1360.81	0.00346	3	1	60.6	0
P12163_2_F7,15343	K.GRVPVFLDGGVR.R	1575.927	0.0025	3	1	30.4	0
P12163_1_F8,6042	K.M*AHPEGECATAR.A	1649.768	0.0061	2	1	35.5	0
P12163_1_F8,6051	K.M*AHPEGECATAR.A	1649.768	0.00671	3	1	27.9	0
P12163_2_F6,5938	K.M*AHPEGECATAR.A	1649.768	0.00191	3	1	41.5	0
P12163_1_F8,7906	K.MAHPEGECATAR.A	1633.773	0.00476	2	1	27.5	0
P12163_2_F6,7838	K.MAHPEGECATAR.A	1633.773	0.00144	3	1	38.6	0
P12163_1_F4,17846	K.NYEGLYIGK.M	1664.947	0.00797	2	1	32.6	0
P12163_1_F5,16539	K.NYEGLYIGK.M	1664.947	0.0099	2	1	31.7	0
P12163_1_F9,16753	K.NYEGLYIGK.M	1664.947	0.00378	3	1	23	0
P12163_1_F9,16768	K.NYEGLYIGK.M	1664.947	0.00924	2	1	36.1	0
P12163_2_F1,16970	K.NYEGLYIGK.M	1664.947	0.00352	2	1	39.9	0
P12163_2_F8_12070	K.NYEGLYIGK.M	1664.947	0.00327	3	1	26.5	0
P12163_1_F8,21457	R.FVLPPHLTLK.N	1773.125	0.00672	3	1	36.3	0
P12163_2_F6,20881	R.FVLPPHLTLK.N	1773.125	0.00204	3	1	27.8	0
P12163_1_F6,13890	R.NHIVTHWDTPGAVAR	1978.056	0.00692	3	1	26.1	0
P12163_1_F7,13227	R.NHIVTHWDTPGAVAR	1978.056	0.00682	4	1	39.2	0
P12163_2_F9,12859	R.NHIVTHWDTPGAVAR	1978.056	0.00887	3	1	42.4	0
P12163_1_F4,14422	R.NVDAQLVK.R	1494.91	0.01251	3	1	29.5	0
P12163_2_F1,13409	R.NVDAQLVK.R	1494.91	0.00779	2	1	36.2	0
P12163_2_F1,13415	R.NVDAQLVK.R	1494.91	0.0039	3	1	26.6	0
P12163_1_S1,19809	R.VPVLFDGGVR.R	1362.805	0.01436	3	1	31.3	0
P12163_1_F5,8640	K.AAAAEACK.S	1399.782	0.01612	2	1	39.5	0
P12163_1_F6,9798	K.AAAAEACK.S	1399.782	0.01098	2	1	40.6	0
P12163_2_F2,9459	K.AAAAEACK.S	1399.782	0.00784	2	1	29.4	0
P12163_1_F5,8098	K.AVSEASSK.F	1386.805	0.00852	2	1	26.1	0
P12163_2_F1,8687	K.AVSEASSK.F	1386.805	0.00309	3	1	24.9	0
P12163_2_F1,8727	K.AVSEASSK.F	1386.805	0.00468	2	1	27.3	0
P12163_1_F2,11409	K.EDQPAAEPPKP.-	1858.017	0.00703	3	1	26.9	0

P12163_1_F3,11766 K.EDQPAAAEPPKP.-	1858.017	0.00946	3	1	31	0
P12163_1_F3,11783 K.EDQPAAAEPPKP.-	1858.017	0.0083	2	1	47.8	0
P12163_1_F4,10010 K.EEAPAGPEK.T	1535.852	0.00703	2	1	28	0
P12163_2_F2,6063 K.HSTAVHK.L	1387.827	0.00265	4	1	32.5	0
P12163_1_F4,25031 K.LLEELVK.I	1451.929	0.00576	2	1	40.3	0
P12163_1_F4,25274 K.LLEELVK.I	1451.929	0.00752	3	1	27.7	0
P12163_1_F4,25278 K.LLEELVK.I	1451.929	0.00922	2	1	40.4	0
P12163_1_F5,23514 K.LLEELVK.I	1451.929	0.00806	3	1	25.7	0
P12163_1_F7,21969 K.LLEELVK.I	1451.929	0.00377	3	1	22.8	0
P12163_1_F7,22062 K.LLEELVK.I	1451.929	0.00604	2	1	29.6	0
P12163_2_F1,24532 K.LLEELVK.I	1451.929	0.00412	2	1	28.2	0
P12163_2_F1,24560 K.LLEELVK.I	1451.929	0.00269	3	1	22.8	0
P12163_1_F4,19638 K.VSTFIVTEEK.A	1761.025	0.00554	2	1	25.5	0
P12163_2_F1,19012 K.VSTFIVTEEK.A	1761.025	0.01282	2	1	39.4	0
P12163_1_F3,22702 K.VVEIYEASSAEIK.T	2046.158	0.00216	3	1	27.5	0
P12163_1_F3,22758 K.VVEIYEASSAEIK.T	2046.158	0.00369	2	1	75.2	0
P12163_1_F3,28047 K.DGVILLWDLAEGK.R	2037.184	0.00839	3	1	26.6	0
P12163_1_F3,28069 K.DGVILLWDLAEGK.R	2037.184	0.01683	2	1	55.3	0
P12163_1_F3,28101 K.DGVILLWDLAEGK.R	2037.184	0.00638	3	1	45.4	0
P12163_1_F5,20222 K.IWDLESK.S	1498.873	0.00332	3	1	22.7	0
P12163_1_F5,20260 K.IWDLESK.S	1498.873	0.00785	2	1	26.4	0
P12163_2_F1,20588 K.IWDLESK.S	1498.873	0.00713	3	1	22.3	0
P12163_2_F1,20595 K.IWDLESK.S	1498.873	0.00919	2	1	25.8	0
P12163_1_F5,19719 K.LWNTLGECK.Y	1728.956	0.00806	2	1	31.3	0
P12163_1_F5,19726 K.LWNTLGECK.Y	1728.956	0.00538	3	1	28.3	0
P12163_2_F1,20224 K.LWNTLGECK.Y	1728.956	0.00266	2	1	30.3	0
P12163_1_F4,10231 K.SEATTATTTIK.K	1731.995	0.00812	3	1	29.7	0
P12163_1_F4,12013 K.SEATTATTTIK.K	1731.995	0.00704	2	1	53.8	0
P12163_1_F4,12069 K.SEATTATTTIK.K	1731.995	0.00776	3	1	27.6	0
P12163_2_F1,11185 K.SEATTATTTIK.K	1731.995	0.00458	2	1	40.6	0
P12163_1_F7,15937 K.YTIQEGDAHTEWVSCY	2355.134	0.00255	3	1	45.1	0
P12163_2_F10,1543 K.YTIQEGDAHTEWVSCY	2355.134	0.00828	3	1	31	0
P12163_2_S5,15835 K.YTIQEGDAHTEWVSCY	2355.134	0.00396	3	1	34.6	0
P12163_1_F6,16826 R.ATLAGHTGYVNTVAV	3198.667	0.00981	4	1	22.2	0
P12163_1_F6,16905 R.ATLAGHTGYVNTVAV	3198.667	0.0046	3	1	37.7	0
P12163_2_F1,22907 R.LWDLAEGK.S	1539.899	0.00496	2	1	26.3	0
P12163_2_F1,22941 R.LWDLAEGK.S	1539.899	0.00553	3	1	26	0
P12163_1_F4,21319 R.YWLCAATEQSIK.I	2078.12	0.00625	3	1	45.5	0
P12163_1_F9,7190 K.CDLAHR.R	1075.562	0.00491	3	1	27.2	0
P12163_2_F9,7791 K.CDLAHR.R	1075.562	0.00248	3	1	21.9	0
P12163_1_F2,20633 K.IQDGVFDVSNESYGIK	2379.265	0.00707	3	1	49	0
P12163_1_S1,19765 K.IQDGVFDVSNESYGIK	2379.265	0.00581	3	1	51.2	0
P12163_1_S1,19808 K.IQDGVFDVSNESYGIK	2379.265	0.01766	4	1	48.6	0
P12163_1_F4,23985 K.SCLLLQFTDK.R	1833.04	0.00532	2	1	36.1	0
P12163_1_F4,18964 K.TAQNVEEAFIK.T ! R.T	1858.053	0.00841	3	1	55.5	0
P12163_1_F4,18978 K.TAQNVEEAFIK.T ! R.T	1858.053	0.00557	2	1	44.9	0
P12163_2_F1,18203 K.TAQNVEEAFIK.T ! R.T	1858.053	0.00439	3	1	56	0
P12163_1_F2,12809 K.VGYGGIPGPSGGR.D	1477.806	0.00409	3	1	25.3	0
P12163_2_F9,13206 K.VGYGGIPGPSGGR.D	1477.806	0.00457	2	1	29.7	0
P12163_2_F7,17235 K.YIIIGDTGVGK.S	1744.046	0.00361	3	1	36.7	0
P12163_1_F3,13720 R.AVSTEEGEQFAK.E	1904.022	0.00535	2	1	38.5	0

P12163_1_F3,13732	R.AVSTEEGEQFAK.E	1904.022	0.00983	3	1	39.9	0
P12163_1_F4,14268	R.AVSTEEGEQFAK.E	1904.022	0.00449	2	1	48.6	0
P12163_2_F1,13279	R.AVSTEEGEQFAK.E	1904.022	0.00639	2	1	46.7	0
P12163_1_S1,22502	R.GAAGALLVYDITR.R	1623.937	0.00393	3	1	83.1	0
P12163_1_S1,22712	R.GAAGALLVYDITR.R	1623.937	0.00267	3	1	58.4	0
P12163_1_S1,22717	R.GAAGALLVYDITR.R	1623.937	0.00379	2	1	32	0
P12163_2_F6,22716	R.GAAGALLVYDITR.R	1623.937	0.00059	2	1	59.2	0
P12163_2_F6,22746	R.GAAGALLVYDITR.R	1623.937	0.00069	3	1	33.8	0
P12163_1_F4,18603	K.FYTECFGM*K.L	1806.901	0.01013	3	1	24.6	0
P12163_1_F4,20664	K.FYTECFGM*K.L	1806.901	0.00627	2	1	25.6	0
P12163_1_F4,20639	K.FYTECFGMK.L	1790.907	0.00817	2	1	39.7	0
P12163_1_F4,20648	K.FYTECFGMK.L	1790.907	0.00899	3	1	36.1	0
P12163_2_F1,19987	K.FYTECFGMK.L	1790.907	0.00735	2	1	41.1	0
P12163_2_F7,12801	K.GGTTHIAFVK.D	1638.979	0.00382	2	1	31	0
P12163_1_F3,18117	K.GNAYAQVAISTDDVY	2323.239	0.00546	2	1	56.5	0
P12163_1_F3,23736	K.ITSFVDPDGWK.T	1873.032	0.00622	3	1	37.8	0
P12163_1_F3,20771	K.SAEVVNLVTQELGGK	2152.243	0.0057	3	1	39.9	0
P12163_1_F3,25517	K.SAEVVNLVTQELGGK	2152.243	-0.00164	2	1	86.1	0
P12163_1_F2,17455	K.TVLVDNEDFLK.E	1901.084	0.00446	3	1	29.9	0
P12163_1_F2,20175	K.TVLVDNEDFLK.E	1901.084	0.00424	2	1	37.9	0
P12163_1_F3,17999	K.TVLVDNEDFLK.E	1901.084	0.00382	2	1	33.4	0
P12163_2_F1,9192	R.EPGPVK.G	1234.762	0.00276	3	1	23.8	0
P12163_2_F1,9767	R.EPGPVK.G	1234.762	0.00642	3	1	26.9	0
P12163_2_S5,8461	R.EPGPVK.G	1234.762	0.00102	3	1	26.2	0
P12163_1_S1,17533	R.GPTPEPLCQVMLR.V	1801.961	0.00431	3	1	48.2	0
P12163_1_S1,18749	R.GPTPEPLCQVMLR.V	1801.961	0.00908	2	1	25.6	0
P12163_1_S1,18757	R.GPTPEPLCQVMLR.V	1801.961	0.00356	3	1	45.1	0
P12163_1_S1,18966	R.GPTPEPLCQVMLR.V	1801.961	0.00608	3	1	48.4	0
P12163_1_F4,16361	K.GSVIELSK.E	1440.888	0.00166	3	1	37.1	0
P12163_1_F4,16542	K.GSVIELSK.E	1440.888	0.0066	2	1	37.2	0
P12163_2_F1,15428	K.GSVIELSK.E	1440.888	0.00236	2	1	35.1	0
P12163_2_F1,15488	K.GSVIELSK.E	1440.888	0.00457	3	1	33	0
P12163_2_S5,13885	K.GSVIELSK.E	1440.888	0.00082	3	1	24.1	0
P12163_1_F7,19574	K.NIDVYAFGVYADHDD	2549.313	0.00144	3	1	81.9	0
P12163_1_F5,15550	K.SVLGLK.N ! R.SVLGLK	1224.814	0.01011	3	1	23.4	0
P12163_2_F4,258	K.SVLGLK.N ! R.SVLGLK	1224.814	0.00819	3	1	22.3	0
P12163_1_S1,14606	K.TGTSFPSVLGGSR.K	1569.854	0.00184	3	1	22	0
P12163_1_F4,15109	K.YGNM*SVAELK.E	1735.951	0.00873	2	1	33.4	0
P12163_1_F5,16936	K.YGNMSVAELK.E	1719.956	0.00483	2	1	45.8	0
P12163_1_F9,17066	K.YGNMSVAELK.E	1719.956	0.00515	3	1	40.7	0
P12163_2_F1,17432	K.YGNMSVAELK.E	1719.956	0.00725	3	1	29.9	0
P12163_2_F1,17441	K.YGNMSVAELK.E	1719.956	0.00711	2	1	56	0
P12163_2_F8_12070	K.YGNMSVAELK.E	1719.956	0.00713	3	1	30.5	0
P12163_2_F9,16549	R.GHVLWTTIDGK.E	1835.064	0.00769	3	1	26.9	0
P12163_1_F5,19292	R.LQIYNK.L	1499.941	0.00594	3	1	32.3	0
P12163_1_F5,19389	R.LQIYNK.L	1499.941	0.00761	2	1	29.2	0
P12163_2_F8_12070	R.LQIYNK.L	1499.941	0.00666	3	1	23.2	0
P12163_1_F3,12808	R.SAFEESVGSR.L	1372.701	0.00355	2	1	28.9	0
P12163_2_F10,1571	K.AYQAASTTAEAEELSPT	2418.257	-0.00193	3	1	38.6	0
P12163_1_S1,19084	K.DSTLIMQLLR.D	1493.866	-0.00037	3	1	24	0
P12163_2_F1,9483	K.LAEQAER.Y ! R.LAEQ	1120.626	0.00298	2	1	24.7	0

P12163_2_F2,11659	R.GNELNVK.R	1381.826	0.00455	2	1	24.1	0
P12163_1_F4,20959	R.IISSIEQK.E ! R.ILSSIEQ	1525.941	0.01597	2	1	28	0
P12163_1_F5,18516	R.IISSIEQK.E ! R.ILSSIEQ	1525.941	0.00793	2	1	32.8	0
P12163_1_F5,19572	R.IISSIEQK.E ! R.ILSSIEQ	1525.941	0.00666	3	1	29.6	0
P12163_1_F5,19600	R.IISSIEQK.E ! R.ILSSIEQ	1525.941	0.00717	2	1	38.4	0
P12163_2_F1,20030	R.IISSIEQK.E ! R.ILSSIEQ	1525.941	0.00227	2	1	27.6	0
P12163_2_F1,20062	R.IISSIEQK.E ! R.ILSSIEQ	1525.941	0.00678	3	1	21.9	0
P12163_1_F5,17036	R.NLLSVGYK.N	1501.92	0.00804	3	1	23.7	0
P12163_2_F2,17807	R.NLLSVGYK.N	1501.92	0.00851	2	1	26.5	0
P12163_2_F2,17830	R.NLLSVGYK.N	1501.92	0.00036	3	1	24.9	0
P12163_1_F4,19309	R.YDEMVDAM*K.K ! R.Y	1725.865	0.00696	3	1	28.5	0
P12163_1_F4,19295	R.YDEMVDAMK.K ! R.Y	1709.87	0.00636	3	1	23.5	0
P12163_2_F9,17466	R.YDEMVDAMK.K ! R.Y	1709.87	0.00438	3	1	39.3	0
P12163_1_S10,1839	R.YLAEFK.V ! R.YLAEFK	1378.819	0.0079	3	1	24	0
P12163_2_F8_12070	R.YLAEFK.V ! R.YLAEFK	1378.819	0.00689	3	1	22.1	0
P12163_2_F8_12070	R.YLAEFK.V ! R.YLAEFK	1378.819	0.0056	3	1	22.9	0
P12163_1_F4,24263	K.AALEALFAK.T	1541.951	0.00549	2	1	51.2	0
P12163_1_F4,24283	K.AALEALFAK.T	1541.951	0.00813	3	1	45	0
P12163_1_F5,22721	K.AALEALFAK.T	1541.951	0.00277	2	1	26	0
P12163_1_F5,22733	K.AALEALFAK.T	1541.951	0.00639	3	1	35.5	0
P12163_1_F7,21338	K.AALEALFAK.T	1541.951	0.00114	3	1	25.6	0
P12163_2_F1,23679	K.AALEALFAK.T	1541.951	0.00264	3	1	47.7	0
P12163_1_F8,12122	K.ELAGNQGDNM*TFHK	2186.112	0.00992	3	1	27.6	0
P12163_1_F8,14091	K.ELAGNQGDNMTFHK.I	2170.117	0.00431	3	1	61.6	0
P12163_1_F3,26892	K.GTSVLEMVAAFEK.A	1990.114	0.00523	3	1	37.5	0
P12163_1_F4,17768	K.IGCEVYNLGTGK.G	1919.052	0.01085	3	1	26.4	0
P12163_1_F4,19237	K.IGCEVYNLGTGK.G	1919.052	0.00593	2	1	47.8	0
P12163_1_F4,19257	K.IGCEVYNLGTGK.G	1919.052	0.01055	3	1	39.7	0
P12163_2_F1,18541	K.IGCEVYNLGTGK.G	1919.052	0.00839	2	1	47.4	0
P12163_1_F6,20522	R.DYIHVIDLADGHIAAL	2609.466	0.00397	4	1	30	0
P12163_1_F8,17795	R.RPELTVFGTDYSTK.D	2222.228	0.00453	3	1	35.2	0
P12163_2_F6,15542	R.RPELTVFGTDYSTK.D	2222.228	0.0069	3	1	23.9	0
P12163_2_F6,17287	R.RPELTVFGTDYSTK.D	2222.228	0.0033	3	1	45.6	0
P12163_2_F6,13477	R.RPGDAEIVYASTGK.A	2072.16	0.00558	3	1	28.3	0
P12163_1_F6,14663	R.YFNPVGAHPSGK.I	1882.043	0.00589	3	1	33.4	0
P12163_1_F2,6411	K.APSDEEER.K	1236.601	0.00278	2	1	38.4	0
P12163_1_F9,7336	K.APSDEEERK.Q	1668.901	0.0052	2	1	31.4	0
P12163_1_S1,21552	K.IQIFAGDVVPR.K	1518.895	-0.00416	2	1	34.6	0
P12163_1_S1,21564	K.IQIFAGDVVPR.K	1518.895	0.00063	3	1	61.7	0
P12163_1_S1,21766	K.IQIFAGDVVPR.K	1518.895	0.0036	2	1	42.7	0
P12163_1_S1,21787	K.IQIFAGDVVPR.K	1518.895	0.00207	3	1	60.2	0
P12163_1_F4,20485	K.LIDQALEK.G	1537.941	0.00735	2	1	35.8	0
P12163_1_F4,20535	K.LIDQALEK.G	1537.941	0.00708	3	1	34.2	0
P12163_1_F4,20751	K.LIDQALEK.G	1537.941	0.00417	2	1	36.3	0
P12163_2_F1,19953	K.LIDQALEK.G	1537.941	0.01331	2	1	23.9	0
P12163_2_F4,15171	K.QFIASLHK.R	1551.947	0.00518	3	1	35.2	0
P12163_1_F4,11100	K.VAVCSTSNEK.A	1702.925	0.01256	2	1	31.4	0
P12163_1_F5,9669	K.VAVCSTSNEK.A	1702.925	0.00934	2	1	24.4	0
P12163_2_F1,10202	K.VAVCSTSNEK.A	1702.925	0.00116	2	1	29.8	0
P12163_2_F1,10238	K.VAVCSTSNEK.A	1702.925	0.00623	3	1	46.3	0
P12163_1_F5,18304	R.ISFNDFK.E	1579.894	0.00621	2	1	31.6	0

P12163_1_F5,18331	R.ISFNDFTK.E	1579.894	0.00627	3	1	31.7	0
P12163_2_F2,13523	R.M*TAYFNK.T	1498.818	0.01737	2	1	24.4	0
P12163_2_F2,17842	R.MTAYFNK.T	1482.823	0.00875	2	1	24.6	0
P12163_2_F2,16189	K.GTAFGGFK.S	1392.81	0.00086	3	1	30.3	0
P12163_2_F2,16255	K.GTAFGGFK.S	1392.81	0.00227	2	1	27.6	0
P12163_1_F3,15774	K.IDPQAPLDK.V	1604.947	0.0065	2	1	28	0
P12163_1_F4,20298	K.NFGVTEFVNPK.D	1860.048	0.00677	3	1	49.2	0
P12163_1_F4,20316	K.NFGVTEFVNPK.D	1860.048	0.00994	2	1	57.4	0
P12163_2_F1,19737	K.NFGVTEFVNPK.D	1860.048	0.00377	3	1	43.8	0
P12163_2_F1,19750	K.NFGVTEFVNPK.D	1860.048	0.00032	2	1	46.4	0
P12163_1_F7,21260	K.VDEYVTHNM*TLGEIN	2558.25	0.0047	3	1	25.2	0
P12163_1_F7,21273	K.VDEYVTHNMTLGEINI	2542.255	0.00482	3	1	23.1	0
P12163_1_F9,9772	R.AALECCHK.G	1596.845	0.00489	3	1	36.7	0
P12163_2_F9,9733	R.AALECCHK.G	1596.845	0.00198	2	1	25.6	0
P12163_1_F2,7893	R.GATGAGVM*M*NDR.I	1515.72	0.00602	3	1	23.4	0
P12163_1_F2,9652	R.GATGAGVM*M*NDR.I	1515.72	0.00446	3	1	40.4	0
P12163_1_F2,9625	R.GATGAGVM*MNDR.K	1499.725	0.00125	3	1	24.7	0
P12163_1_F2,11844	R.GATGAGVMMNDR.K	1483.73	0.00677	2	1	50.6	0
P12163_2_F1,20120	R.SQVPWLVDK.Y	1679.994	0.00776	2	1	26.8	0
P12163_2_F1,20171	R.SQVPWLVDK.Y	1679.994	0.0052	3	1	22.9	0
P12163_1_F3,20394	R.VIGIDIDPK.K	1577.972	0.00172	3	1	23.9	0
P12163_1_F3,20403	R.VIGIDIDPK.K	1577.972	0.00538	2	1	29.5	0
P12163_2_F1,18729	K.ALDISLK.I	1367.872	0.00662	3	1	23.8	0
P12163_2_F1,18738	K.ALDISLK.I	1367.872	0.00725	2	1	30.2	0
P12163_1_F6,17922	K.DNHISAAGGIINAIR.S	1826.019	0.00088	3	1	43.2	0
P12163_1_F7,17820	K.IGQTGVTYISSGALTHS	2527.434	0.00362	3	1	42	0
P12163_2_F4,17432	K.IGQTGVTYISSGALTHS	2527.434	0.00972	3	1	30.3	0
P12163_1_F5,22819	K.WAVLIGGGK.N	1508.941	0.00774	2	1	43.1	0
P12163_2_F1,23695	K.WAVLIGGGK.N	1508.941	0.0097	2	1	36.2	0
P12163_1_F9,11732	R.AHSIVIAER.V	1299.769	0.00474	3	1	24.2	0
P12163_2_F7,10860	R.AHSIVIAER.V	1299.769	0.00319	3	1	38.1	0
P12163_2_F7,10868	R.AHSIVIAER.V	1299.769	0.00014	2	1	38.2	0
P12163_1_F6,20054	R.AM*ADLAHPATILETR	1930.037	-0.00043	3	1	31.7	0
P12163_1_F7,16550	R.AM*ADLAHPATILETR	1930.037	0.00097	2	1	35.8	0
P12163_2_S5,15987	R.AM*ADLAHPATILETR	1930.037	0.00341	3	1	37.3	0
P12163_1_F7,19248	R.AMADLAHPATILETR.I	1914.042	0.00345	3	1	63	0
P12163_1_F7,19282	R.AMADLAHPATILETR.I	1914.042	-0.00205	2	1	56.1	0
P12163_2_S5,18550	R.AMADLAHPATILETR.I	1914.042	0.00345	3	1	29.3	0
P12163_1_F8,16155	R.FETEASGNVTIETVHK.	2370.276	0.00656	3	1	57.8	0
P12163_2_S5,15110	R.FETEASGNVTIETVHK.	2370.276	0.00032	3	1	60.2	0
P12163_1_F9,14252	R.KPGFESPAIK.L	1986.215	0.01349	3	1	32.6	0
P12163_1_F3,12976	K.ADPNDEYLK.L	1672.9	0.00781	2	1	27.4	0
P12163_1_F9,11220	K.AIAGDTSGDYER.M	1558.765	0.00882	2	1	29.4	0
P12163_2_F7,10442	K.AIAGDTSGDYER.M	1558.765	0.00228	2	1	30.4	0
P12163_1_S1,24813	K.LLVPLVSTFR.Y	1448.914	0.0033	3	1	32.5	0
P12163_1_F9,4704	K.QAYHAR.Y ! R.QAYH/	1049.579	0.00037	3	1	29.8	0
P12163_2_S3,5067	K.QAYHAR.Y ! R.QAYH/	1049.579	0.0001	3	1	22.2	0
P12163_1_F7,12194	K.VPTQTPSAAEDAQLF	2430.308	0.00295	4	1	33.8	0
P12163_1_F7,13340	K.VPTQTPSAAEDAQLF	2430.308	0.01065	3	1	25	0
P12163_2_S5,13160	K.VPTQTPSAAEDAQLF	2430.308	-0.00173	4	1	26.4	0
P12163_1_F4,13105	R.DAYLANEATK.R	1703.942	0.00977	3	1	37.5	0

P12163_1_F4,14393 R.DAYLANEATK.R	1703.942	0.02381	3	1	34.4	0
P12163_1_F4,14428 R.DAYLANEATK.R	1703.942	0.01592	2	1	42.7	0
P12163_1_F2,23040 R.M*LLALIGHGDA.- ! K.	1430.798	0.0033	2	1	25.3	0
P12163_1_F2,25508 R.M*LLALIGHGDA.- ! K.	1430.798	0.00397	2	1	25.6	0
P12163_1_S1,22064 R.M*LLALIGHGDA.- ! K.	1430.798	0.00439	3	1	28.1	0
P12163_1_S1,25174 R.MLLALIGHGDA.- ! K.M	1414.803	0.00479	2	1	47.2	0
P12163_1_S1,23226 R.SVLLWTLTPAER.D	1689.984	-0.0003	3	1	24	0
P12163_1_S1,23242 R.SVLLWTLTPAER.D	1689.984	0.00386	2	1	34.5	0
P12163_1_F4,21693 K.AEVIEDFAK.F	1629.931	0.00851	3	1	49.1	0
P12163_1_F4,21741 K.AEVIEDFAK.F	1629.931	0.00737	2	1	46.6	0
P12163_1_S10,1961'K.AQEQVVAGTMHHLTV	2637.372	0.00347	4	1	33.9	0
P12163_2_F8_12070K.AQEQVVAGTMHHLTV	2637.372	0.00064	4	1	47.4	0
P12163_2_F8_12070K.AQEQVVAGTMHHLTV	2637.372	0.00708	3	1	64.9	0
P12163_1_F3,15564 K.EGTFHLNQMQQDQE.-	2008.934	0.00485	2	1	30.2	0
P12163_1_F4,24106 K.ENALLEFVK.V	1670.994	0.009	3	1	28.5	0
P12163_1_F4,24107 K.ENALLEFVK.V	1670.994	0.01108	2	1	35.5	0
P12163_2_F1,23520 K.ENALLEFVK.V	1670.994	0.00558	2	1	34.2	0
P12163_2_F1,23590 K.ENALLEFVK.V	1670.994	0.00474	3	1	31	0
P12163_1_F7,15401 K.HVGDSPASFTSSDLGV	2312.234	0.00857	3	1	46.7	0
P12163_1_F9,13379 K.LNVEVHK.K	1446.889	0.00674	3	1	37	0
P12163_2_F7,12187 K.LNVEVHK.K	1446.889	0.00035	3	1	30.5	0
P12163_1_F9,13125 R.FAIEEHNK.K	1595.9	0.00589	3	1	33.9	0
P12163_2_F9,12462 R.FAIEEHNK.K	1595.9	0.00569	2	1	33	0
P12163_1_F2,10296 R.GAENSNEIESLAR.F	1693.866	0.00111	3	1	35.3	0
P12163_1_S1,10445 R.GAENSNEIESLAR.F	1693.866	0.00408	3	1	39	0
P12163_1_S1,14246 R.GAENSNEIESLAR.F	1693.866	-0.00014	2	1	55.3	0
P12163_1_F4,14876 K.ECNDLSFEEQCK.N	2167.026	0.00493	3	1	31.6	0
P12163_1_F4,14890 K.ECNDLSFEEQCK.N	2167.026	0.00404	2	1	59.8	0
P12163_1_S1,20507 K.FLVFACSDSR.V	1505.772	-0.00017	3	1	24.1	0
P12163_1_S1,22129 K.FLVFACSDSR.V	1505.772	0.00451	3	1	39.1	0
P12163_1_F6,13130 K.GAHYDFVNGK.F	1715.933	0.00988	2	1	27.2	0
P12163_1_F9,13031 K.GAHYDFVNGK.F	1715.933	0.00867	3	1	33.5	0
P12163_1_F4,18031 K.NPDLYGALAK.G	1669.973	0.00491	3	1	30.4	0
P12163_1_F9,16903 K.NPDLYGALAK.G	1669.973	0.00725	3	1	25.5	0
P12163_1_F9,16932 K.NPDLYGALAK.G	1669.973	-0.00029	2	1	29.1	0
P12163_2_F1,17221 K.NPDLYGALAK.G	1669.973	0.00671	2	1	29.8	0
P12163_2_F9,15747 K.NPDLYGALAK.G	1669.973	0.01274	3	1	31.7	0
P12163_2_F9,15750 K.NPDLYGALAK.G	1669.973	0.00539	2	1	27.8	0
P12163_1_S1,15126 K.QITADLEAAGSR.D	1535.833	0.0028	3	1	56	0
P12163_1_S1,16437 K.QITADLEAAGSR.D	1535.833	0.00553	2	1	47.3	0
P12163_1_F8,18242 K.VENIVVIGHSCCGGIK.	2350.283	0.01469	3	1	50.3	0
P12163_1_F4,18734 R.NIANM*VPPYDQK.K	2014.089	0.01061	3	1	22.9	0
P12163_2_F1,18025 R.NIANMVPPYDQK.K	1998.094	0.00362	2	1	38.9	0
P12163_1_F7,21566 R.VCPSHILNFQPGEAFM	2406.236	0.00269	3	1	45.7	0
P12163_1_F5,15141 K.GAALIYK.E	1343.851	0.00258	2	1	27.5	0
P12163_1_F5,15186 K.GAALIYK.E	1343.851	0.0043	3	1	31.5	0
P12163_2_F2,15839 K.GAALIYK.E	1343.851	-0.00338	2	1	29.6	0
P12163_1_S1,15067 K.SFGFDTAVEEAQR.A !	1760.876	0.00324	3	1	49.7	0
P12163_1_S1,15953 K.SFGFDTAVEEAQR.A !	1760.876	0.00249	3	1	45.8	0
P12163_1_S1,17931 K.SFGFDTAVEEAQR.A !	1760.876	0.00443	2	1	68.6	0
P12163_1_S1,17970 K.SFGFDTAVEEAQR.A !	1760.876	0.00135	3	1	89	0

P12163_2_F2,13070	K.SQAYAVVK.Q	1473.889	0.00514	2	1	39.3	0
P12163_1_F2,14848	K.TIDNDIAVIDK.S	1825.053	0.00542	3	1	25.7	0
P12163_1_F2,17977	K.TIDNDIAVIDK.S	1825.053	0.00329	2	1	71.9	0
P12163_1_F3,18552	K.TIDNDIAVIDK.S	1825.053	0.00415	2	1	41	0
P12163_1_F7,19398	R.AINAAHVEVESVENGV	2643.493	0.00849	3	1	68.4	0
P12163_1_F3,16809	R.GINQVYIIGGDGTQK.C	2171.228	0.00568	3	1	42.6	0
P12163_1_F3,18341	R.GINQVYIIGGDGTQK.C	2171.228	0.00674	2	1	63.5	0
P12163_2_F2,17919	R.GINQVYIIGGDGTQK.C	2171.228	0.00583	3	1	22.4	0
P12163_1_F3,19264	R.GLQVAVAGIPK.T	1661.057	0.00266	3	1	43.7	0
P12163_1_S10,9865	R.GVHFR.R	919.5415	0.0014	3	1	22.8	0
P12163_2_F10,9264	R.GVHFR.R	919.5415	0.00182	3	1	26.6	0
P12163_1_F3,14590	K.DQVEGVIDK.I	1610.921	0.00844	2	1	41.8	0
P12163_1_F4,15017	K.DQVEGVIDK.I	1610.921	0.01042	2	1	39.3	0
P12163_1_F4,15101	K.DQVEGVIDK.I	1610.921	0.00769	3	1	51	0
P12163_1_F4,18220	K.MEIVVSK.D	1413.86	0.01269	2	1	32.7	0
P12163_2_F1,17593	K.MEIVVSK.D	1413.86	0.00797	2	1	32.4	0
P12163_2_F9,20136	K.VEAILRPWR.V	1443.874	0.00215	3	1	25.9	0
P12163_1_F4,7605	R.GFGAQGGSTER.H	1370.697	0.00391	2	1	60.2	0
P12163_1_F4,9390	R.GFGAQGGSTER.H	1370.697	0.00611	2	1	32.4	0
P12163_2_F1,6736	R.GFGAQGGSTER.H	1370.697	0.00445	2	1	23.9	0
P12163_1_F3,11166	R.GVTVSDVR.G	1136.658	0.00524	2	1	29	0
P12163_1_S10,9991	R.HGGSEFSEDK.F	1700.87	0.00828	3	1	47.1	0
P12163_2_F8_12070	R.HGGSEFSEDK.F	1700.87	0.00861	3	1	65.1	0
P12163_2_S5,9268	R.HGGSEFSEDK.F	1700.87	0.00585	3	1	53	0
P12163_1_F4,10811	R.TGEIGDGK.I	1384.789	0.00971	2	1	25.7	0
P12163_2_F1,9961	R.TGEIGDGK.I	1384.789	0.00833	2	1	24.8	0
P12163_1_S1,20394	R.VQQVSSALLNM*GIR.C	1836.031	0.00322	3	1	70.2	0
P12163_1_S1,23620	R.VQQVSSALLNMGIR.G	1820.037	0.00205	3	1	47.5	0
P12163_1_S1,23828	R.VQQVSSALLNMGIR.G	1820.037	0.00337	3	1	74.7	0
P12163_1_F3,22757	K.ASTVNQALDAAVSLK	2096.217	0.00417	3	1	61.1	0
P12163_1_F8,21552	K.ASTVNQALDAAVSLK	2839.666	0.01558	3	1	44.6	0
P12163_1_F3,16099	K.DAQQQLSEFDQEK.A	2174.119	0.00297	2	1	61.2	0
P12163_1_F4,18688	K.DLGIEHLEFIHEHK.T	2325.281	0.00572	3	1	34.4	0
P12163_1_F4,18703	K.DLGIEHLEFIHEHK.T	2325.281	0.00648	4	1	44.2	0
P12163_2_F4,16545	K.DLGIEHLEFIHEHK.T	2325.281	0.00468	4	1	53.1	0
P12163_2_F4,16546	K.DLGIEHLEFIHEHK.T	2325.281	0.00398	3	1	39.5	0
P12163_2_F4,16597	K.DLGIEHLEFIHEHK.T	2325.281	0.00409	2	1	34	0
P12163_2_F1,18838	K.LLGIEESK.K	1496.914	0.00972	2	1	25.1	0
P12163_2_F1,18846	K.LLGIEESK.K	1496.914	0.00409	3	1	27.9	0
P12163_2_F2,14071	K.SYMIQK.A	1377.802	0.00634	2	1	28.3	0
P12163_1_F5,16285	R.AIAELAK.Y	1323.846	0.0071	2	1	27	0
P12163_1_F5,17024	R.YSLLAGGK.R	1416.867	0.00461	3	1	24.6	0
P12163_1_F5,17053	R.YSLLAGGK.R	1416.867	0.00521	2	1	32.3	0
P12163_1_S10,1692	R.YSLLAGGK.R	1416.867	0.0065	3	1	27.8	0
P12163_2_F2,17791	R.YSLLAGGK.R	1416.867	-0.00111	2	1	25.3	0
P12163_2_F2,17910	R.YSLLAGGK.R	1416.867	0.00053	3	1	24	0
P12163_1_F7,13438	K.KLSSLEVAQHGPR.F	2030.197	0.00591	4	1	40.6	0
P12163_1_F6,15854	K.LSSLEVAQHGPR.F	1597.896	-0.00221	3	1	41.5	0
P12163_1_F8,15707	K.LSSLEVAQHGPR.F	1597.896	0.00118	3	1	60.4	0
P12163_1_F8,15751	K.LSSLEVAQHGPR.F	1597.896	-0.00031	2	1	38.7	0
P12163_2_F6,15132	K.LSSLEVAQHGPR.F	1597.896	0.0025	3	1	42.4	0

P12163_1_F3,23513	K.QSFCHIIYSVENPAFK.K	2411.289	0.00546	3	1	29.9	0
P12163_1_F2,12475	K.TATPELLR.R	1204.72	0.00387	3	1	22.5	0
P12163_1_F3,13013	R.APTSEAGLAPACK.D	1881.036	0.00528	2	1	40.6	0
P12163_1_F3,13021	R.APTSEAGLAPACK.D	1881.036	0.007	3	1	35.5	0
P12163_2_S3,10805	R.APTSEAGLAPACK.D	1881.036	-0.0005	3	1	30.5	0
P12163_1_F2,21496	R.FTGVGQILGADDK.Y	2028.159	0.00481	3	1	42.7	0
P12163_1_F2,21544	R.FTGVGQILGADDK.Y	2028.159	0.0043	2	1	52.4	0
P12163_1_S1,20332	R.FTGVGQILGADDK.Y	2028.159	0.00742	3	1	32.2	0
P12163_2_F9,15440	R.HELMLGNTFR.A	1521.815	0.00149	3	1	41.2	0
P12163_2_F1,13913	R.TNFAETVK.S	1517.878	0.00604	2	1	28.7	0
P12163_2_F2,14395	R.TNFAETVK.S	1517.878	0.00452	2	1	31.2	0
P12163_1_F3,21609	K.EGVYSASVQSTLYQM	2470.311	-0.00281	3	1	62.3	0
P12163_2_F7,19927	K.KVLM*DTFFGPPK.E	2308.35	0.00086	4	1	39.4	0
P12163_2_F7,19890	K.KVLMDTFFGPPK.E	2292.355	0.0021	4	1	29	0
P12163_2_F7,19895	K.KVLMDTFFGPPK.E	2292.355	0.00177	3	1	38.9	0
P12163_2_F6,19900	K.M*PNIHFLPVNLSSK.D	2221.262	-0.00202	3	1	28.2	0
P12163_1_F5,9146	K.NTVYAK.A	1303.783	0.00843	2	1	24.2	0
P12163_1_F3,22300	K.VLM*DTFFGPPK.E	1876.05	-0.0081	3	1	23.3	0
P12163_1_F3,25243	K.VLM*DTFFGPPK.E	1876.05	0.00441	3	1	32.8	0
P12163_1_F3,20894	K.VLMDTFFGPPK.E	1860.055	0.007	3	1	22.6	0
P12163_1_F3,25245	K.VLMDTFFGPPK.E	1860.055	0.00764	2	1	48.3	0
P12163_1_F3,25283	K.VLMDTFFGPPK.E	1860.055	0.00274	3	1	37.8	0
P12163_1_F6,18721	R.FHDISLVHLK.M	1817.089	0.00331	3	1	36	0
P12163_1_F6,18764	R.FHDISLVHLK.M	1817.089	0.00841	4	1	22	0
P12163_1_F7,17878	R.FHDISLVHLK.M	1817.089	0.00409	3	1	28.7	0
P12163_1_F2,20913	R.MLATEVTSTWR.Y	1598.851	0.006	2	1	26.2	0
P12163_1_F3,9408	R.QVTSIVR.I	1177.721	0.00201	3	1	25.8	0
P12163_1_F2,19973	K.DTFGPILVPSDK.L	1897.089	0.01297	2	1	28.8	0
P12163_1_S1,22823	K.IASAVAEETSLPFVTAI	2585.428	0.00603	3	1	32.2	0
P12163_1_S1,22998	K.IASAVAEETSLPFVTAI	2585.428	0.00431	4	1	35	0
P12163_1_S1,23070	K.IASAVAEETSLPFVTAI	2585.428	0.00846	3	1	38	0
P12163_1_F4,15125	K.IGYDAAVAK.K	1700.979	0.00528	3	1	25.3	0
P12163_1_F6,8605	K.IVHPNDHVNR.S	1504.829	0.00496	3	1	42.7	0
P12163_2_F6,8257	K.IVHPNDHVNR.S	1504.829	0.00007	3	1	27	0
P12163_2_F6,8258	K.IVHPNDHVNR.S	1504.829	-0.00135	4	1	34.9	0
P12163_2_F7,7777	K.IVHPNDHVNR.S	1504.829	0.00193	4	1	34.8	0
P12163_2_F7,7817	K.IVHPNDHVNR.S	1504.829	0.00469	3	1	36.5	0
P12163_1_F2,19281	K.VNM*EYGLDPAIGK.A	2031.104	0.00513	3	1	30.3	0
P12163_1_F9,14636	R.AAEILGHK.R	1446.889	0.01107	3	1	40.9	0
P12163_2_F7,13265	R.AAEILGHK.R	1446.889	0.00006	3	1	40.3	0
P12163_2_F2,19667	R.AFGILK.K	1256.819	0.00519	3	1	22	0
P12163_1_F2,17149	R.SLQNFDIGGER.E	1539.807	0.00569	2	1	33.2	0
P12163_2_F6,24203	K.GVLSELFLFHGR.F	1678.958	0.00331	3	1	50.6	0
P12163_1_F4,19108	K.ISSALYDYQSNK.K	1997.08	0.00406	3	1	45.2	0
P12163_1_F4,19121	K.ISSALYDYQSNK.K	1997.08	0.0061	2	1	49.1	0
P12163_2_F1,18315	K.ISSALYDYQSNK.K	1997.08	0.00401	3	1	38.8	0
P12163_2_F1,18342	K.ISSALYDYQSNK.K	1997.08	-0.00412	2	1	47.6	0
P12163_2_F9,16967	K.ISSALYDYQSNK.K	1997.08	0.00437	3	1	37.2	0
P12163_2_F1,12523	K.SMESPGPIK.N	1553.882	0.00841	2	1	26.9	0
P12163_1_F2,17375	K.TVPEGSQAEYLFDK.G	2321.212	-0.00148	3	1	28.1	0
P12163_1_F8,22206	R.DIHNFISDDTFFVK.D	2306.228	0.00609	4	1	37.5	0

P12163_2_F9,16788	R.HLWVQCENCYGLNYK	2592.295	0.00905	3	1	29.9	0
P12163_1_F3,20958	R.MQEGSLSLMQMAK.I	2062.095	0.00348	3	1	58.5	0
P12163_1_F4,17950	R.VIEQTLNK.T	1552.952	0.0066	2	1	36.6	0
P12163_1_F4,17952	R.VIEQTLNK.T	1552.952	0.00119	3	1	34.1	0
P12163_2_F1,17108	R.VIEQTLNK.T	1552.952	0.01366	2	1	28	0
P12163_2_F1,17134	R.VIEQTLNK.T	1552.952	0.01091	3	1	33.9	0
P12163_1_F2,9053	K.AYSSGDITPR.M	1370.722	0.00448	3	1	36.1	0
P12163_1_F2,11199	K.AYSSGDITPR.M	1370.722	0.0061	2	1	27.6	0
P12163_1_F3,24826	K.MSFFINNNEEDILK.Q	2322.226	0.00861	3	1	27.9	0
P12163_1_F3,5603	K.QATESTLR.Y	1209.674	0.00589	3	1	25.7	0
P12163_1_S10,1351	K.QPFFHR.W	1135.631	0.00355	3	1	24.7	0
P12163_1_F5,10746	K.SATSISAIK.L	1485.91	0.01228	3	1	24.3	0
P12163_1_F5,13234	K.SATSISAIK.L	1485.91	0.00511	3	1	23.9	0
P12163_2_F2,14052	K.SATSISAIK.L	1485.91	0.00037	3	1	27.1	0
P12163_2_F2,14082	K.SATSISAIK.L	1485.91	0.00218	2	1	42.9	0
P12163_1_F2,20378	K.VQQAIDCLPLSSEK.Q	2196.215	0.00439	3	1	41.4	0
P12163_1_F3,20793	K.VQQAIDCLPLSSEK.Q	2196.215	0.00694	3	1	57.2	0
P12163_1_F3,20809	K.VQQAIDCLPLSSEK.Q	2196.215	0.00599	2	1	52.4	0
P12163_2_F2,15489	R.M*AGFLVK.V	1389.838	0.00643	2	1	30.2	0
P12163_1_F8,22563	R.MPAALCGVVGFKPTFC	2416.345	0.00403	3	1	23.3	0
P12163_1_F4,17234	K.DFAGSVANGALK.W	1758.001	0.00701	2	1	37.3	0
P12163_1_F4,17237	K.DFAGSVANGALK.W	1758.001	0.0039	3	1	51	0
P12163_2_F1,16439	K.DFAGSVANGALK.W	1758.001	0.00777	3	1	44.7	0
P12163_1_F8,17921	K.EFELSHLETCEVCTGT	2776.374	0.00032	3	1	45.4	0
P12163_1_F8,19648	K.EISAAEVLSDDKK.R	2480.401	0.00746	3	1	32	0
P12163_1_S1,12238	K.TQAATTTTSPEASQVGT	2585.388	0.01044	3	1	53.1	0
P12163_1_S1,16106	K.VPPGVSTGSILR.V	1486.889	0.00122	3	1	32.2	0
P12163_1_F4,15214	R.AMYDQYGEAGVK.S	1940.004	-0.00025	2	1	62.4	0
P12163_1_F4,15262	R.AMYDQYGEAGVK.S	1940.004	0.00353	3	1	66.3	0
P12163_2_F1,14255	R.AMYDQYGEAGVK.S	1940.004	0.01009	2	1	63	0
P12163_1_F9,14627	R.GDHLFTVK.V	1524.899	0.0053	3	1	28.7	0
P12163_2_F9,13755	R.GDHLFTVK.V	1524.899	0.00551	3	1	29.9	0
P12163_1_S1,9839	R.VVGEDGAGPR.G	1260.685	0.00008	2	1	32.3	0
P12163_1_S1,9904	R.VVGEDGAGPR.G	1260.685	0.00067	3	1	49.2	0
P12163_1_S1,19598	K.ADCFLLVGTQPR.V	1680.904	0.00139	3	1	37.5	0
P12163_1_S1,19625	K.ADCFLLVGTQPR.V	1680.904	0.00484	2	1	34.5	0
P12163_1_F3,24538	K.DAIFSTVEIAIK.K	1873.089	0.00604	3	1	39.6	0
P12163_1_F2,20760	K.TLLEIAEGR.H	1305.768	0.00389	2	1	24.3	0
P12163_1_F3,20662	R.ANVILPASAFSEK.E	1955.142	0.01221	2	1	39.4	0
P12163_1_F3,20681	R.ANVILPASAFSEK.E	1955.142	0.00978	3	1	53.4	0
P12163_2_F1,20808	R.ANVILPASAFSEK.E	1955.142	0.00901	2	1	33	0
P12163_1_F8,16878	R.EPATLGPSLKPEIK.S	2392.458	0.01063	3	1	28.1	0
P12163_1_S1,18272	R.LPYDTIGGIR.S	1408.81	0.00355	3	1	32	0
P12163_1_F3,21901	R.LSDAESMMALK.D	1803.98	0.00606	3	1	38.9	0
P12163_1_F8,14051	R.TVAPNLLHVDER.E	1667.938	0.00133	3	1	32.8	0
P12163_1_F8,16316	R.TVAPNLLHVDER.E	1667.938	0.00223	3	1	61.2	0
P12163_2_F6,15794	R.TVAPNLLHVDER.E	1667.938	0.00205	3	1	49	0
P12163_2_S5,14933	R.TVAPNLLHVDER.E	1667.938	0.00145	3	1	38.6	0
P12163_1_F4,21238	K.LSGIVNGIDTK.E	1725.037	0.00349	2	1	31.9	0
P12163_1_F7,22398	K.LYDPVGGEHFNIFAAC	2556.407	0.00617	3	1	41	0
P12163_1_F7,22408	K.LYDPVGGEHFNIFAAC	2556.407	0.00719	4	1	40.2	0

P12163_1_F3,18286	K.TGGLGDVAGALPK.A	1764.048	0.00575	3	1	35	0
P12163_1_F3,18291	K.TGGLGDVAGALPK.A	1764.048	0.01062	2	1	54.1	0
P12163_2_F2,19940	R.GWVGFSVK.T	1487.883	0.00801	2	1	27.2	0
P12163_2_F2,19961	R.GWVGFSVK.T	1487.883	0.00992	3	1	26	0
P12163_1_F9,10843	R.HLGNNIYGGGR.E	1461.786	0.00205	3	1	38.1	0
P12163_1_F6,16703	R.SLLVIHνιαHQGR.G	1762.039	-0.00065	3	1	36.8	0
P12163_1_F7,15898	R.SLLVIHνιαHQGR.G	1762.039	-0.00064	4	1	22.8	0
P12163_2_F9,15333	R.SLLVIHνιαHQGR.G	1762.039	0.00199	3	1	22.6	0
P12163_1_F4,13525	R.TAVISSPK.E	1410.878	0.0059	2	1	32.4	0
P12163_1_S10,1718	R.VMVVAPHYGNYAEPQ	2521.281	0.00273	3	1	25	0
P12163_2_F4,16947	R.VMVVAPHYGNYAEPQ	2521.281	0.00078	3	1	22.7	0
P12163_2_F1,23194	K.LFNLPSSPIK.N	1724.057	0.00539	3	1	32.2	0
P12163_1_F2,20371	K.LLLNCVGPYR.L	1508.856	0.00089	3	1	33.1	0
P12163_2_F7,11802	K.RGPSEDEVESASF.K.M	2146.124	0.00288	3	1	36.8	0
P12163_2_F6,14591	R.ARPVIPGPAPLR.G	1547.969	0.00237	3	1	29.2	0
P12163_1_F3,14564	R.GPSEDEVESASF.K.M	1990.022	0.01181	3	1	40.8	0
P12163_1_F5,22538	R.IGLWAIK.L ! R.LGLW#	1408.914	0.00734	2	1	29.7	0
P12163_1_F5,22554	R.IGLWAIK.L ! R.LGLW#	1408.914	0.01062	3	1	22.2	0
P12163_1_F3,21450	R.LQENGISFDVISK.S	2058.169	-0.00158	3	1	35.1	0
P12163_1_F3,21484	R.LQENGISFDVISK.S	2058.169	0.01079	2	1	50.9	0
P12163_1_F6,16531	R.TLSILTENPHGLPGANI	2664.389	-0.00017	4	1	22.7	0
P12163_1_F6,19090	R.TLSILTENPHGLPGANI	2664.389	0.00203	3	1	40.6	0
P12163_2_F4,15322	R.TLSILTENPHGLPGANI	2664.389	-0.00262	3	1	22.7	0
P12163_2_F4,17846	R.TLSILTENPHGLPGANI	2664.389	-0.00061	3	1	70.6	0
P12163_2_F8_12070	R.TLSILTENPHGLPGANI	2664.389	0.00332	3	1	25.1	0
P12163_1_F4,18533	K.CVVEIINGPK.S	1766.993	-0.00104	2	1	30.6	0
P12163_1_F4,18576	K.CVVEIINGPK.S	1766.993	0.00908	3	1	52.5	0
P12163_2_F1,17836	K.CVVEIINGPK.S	1766.993	0.00944	2	1	43.6	0
P12163_1_F6,19725	K.GLSVTVATPEIAQHQL	2513.491	0.00592	3	1	31.6	0
P12163_1_F7,18850	K.GLSVTVATPEIAQHQL	2513.491	0.00391	3	1	80	0
P12163_1_F2,13710	K.LDVGVER.W	1091.636	0.00415	2	1	30.1	0
P12163_1_F4,22433	K.LVADVFK.I	1399.877	0.00537	2	1	30	0
P12163_1_F4,22673	K.LVADVFK.I	1399.877	0.00571	2	1	24.2	0
P12163_2_F1,19491	R.GLVVSWCPQTK.V	1883.067	0.01114	2	1	25.4	0
P12163_2_F1,19564	R.GLVVSWCPQTK.V	1883.067	0.00548	3	1	25.7	0
P12163_1_F4,27999	R.ILNDFQNLNK.Q	1940.142	0.00445	3	1	27.4	0
P12163_2_F4,16442	R.KSDLDHYMETIEK.A	2521.373	0.00336	4	1	28.1	0
P12163_1_F8,16099	R.LRPSEDFVGNEELEK	2427.298	0.00565	3	1	26.2	0
P12163_2_F6,15788	R.LRPSEDFVGNEELEK	2427.298	0.00961	2	1	28.1	0
P12163_1_F9,16122	K.AAHMLSLPK.V	1575.95	0.00581	3	1	32.2	0
P12163_1_F2,12956	K.DGNYELVTR.E	1370.722	0.00486	2	1	25.1	0
P12163_1_F2,21107	K.EIQPFVESLSK.C	1885.089	0.00814	3	1	33.3	0
P12163_1_F2,21179	K.FLENFCGDQVR.F	1688.837	0.00377	2	1	37.6	0
P12163_1_F4,22365	K.LLFGGEELK.N	1613.972	0.01008	3	1	35.8	0
P12163_2_F1,21890	K.LLFGGEELK.N	1613.972	0.0012	2	1	24.7	0
P12163_2_F1,21928	K.LLFGGEELK.N	1613.972	0.00309	3	1	38.8	0
P12163_1_F4,14940	R.GAGIGTPEAIK.L	1621.973	0.00573	2	1	49.3	0
P12163_1_F4,14972	R.GAGIGTPEAIK.L	1621.973	0.00778	3	1	35.6	0
P12163_2_F1,13960	R.GAGIGTPEAIK.L	1621.973	0.00259	2	1	49.1	0
P12163_2_F1,13972	R.GAGIGTPEAIK.L	1621.973	-0.00929	3	1	23.5	0
P12163_1_F7,21816	R.LLHYCGLPVEDVDFIN	2899.512	0.00642	4	1	25.4	0

P12163_1_F4,21029	R.YLLYGDISTK.A	1781.03	0.01059	3	1	23.7	0
P12163_1_F3,18725	K.IEVEYYGSPVSLK.S	2092.179	0.00656	2	1	30.4	0
P12163_1_F3,18736	K.IEVEYYGSPVSLK.S	2092.179	0.00819	3	1	40.2	0
P12163_1_F3,20840	K.IEVEYYGSPVSLK.S	2092.179	0.00168	2	1	59.3	0
P12163_1_F3,20878	K.IEVEYYGSPVSLK.S	2092.179	0.00486	3	1	47.7	0
P12163_1_F5,10969	K.LSEDNVK.D	1412.82	0.00944	3	1	32.4	0
P12163_2_F1,12786	K.LTDEYM*K.K	1523.824	0.00765	2	1	24.7	0
P12163_2_F2,6938	K.QAEEGK.V	1269.726	0.00469	3	1	26.8	0
P12163_1_F8,20715	K.SIAQINTPDSSSLLIQPY	2798.54	0.00217	3	1	30.2	0
P12163_1_S1,16597	R.LTLPQLTSER.R	1461.858	-0.00183	3	1	22.3	0
P12163_1_S1,18412	R.LTLPQLTSER.R	1461.858	0.003	2	1	28.2	0
P12163_1_F5,11911	R.SNPAMLDK.I	1483.84	0.01074	2	1	26.9	0
P12163_2_F1,12382	R.SNPAMLDK.I	1483.84	0.0086	2	1	28.7	0
P12163_1_F4,9503	R.TNFNSVR.T	1141.627	0.00335	3	1	27.2	0
P12163_1_S1,19561	K.LADGLFLESCR.E	1584.836	0.00306	3	1	37.1	0
P12163_1_S1,21213	K.LADGLFLESCR.E	1584.836	0.0051	3	1	41.7	0
P12163_2_F7,15030	K.RVPQQVLDSIR.K	1614.959	-0.0006	3	1	56.1	0
P12163_2_F7,15046	K.RVPQQVLDSIR.K	1614.959	0.00285	2	1	33.8	0
P12163_1_S1,14817	K.TPVGGGVSSLNVQLR.	1788.028	0.00372	3	1	64.9	0
P12163_1_S1,16560	K.TPVGGGVSSLNVQLR.	1788.028	0.00483	3	1	42.6	0
P12163_1_F9,9956	K.VTAVHK.A	1262.804	0.00766	3	1	26.4	0
P12163_1_F9,10800	K.YEVHGMK.R	1586.846	0.00301	2	1	32.2	0
P12163_2_F9,10652	K.YEVHGMK.R	1586.846	0.00633	2	1	29.1	0
P12163_1_F6,18250	R.HLQFPSFADR.L	1521.812	0.00216	3	1	24.8	0
P12163_1_F9,17645	R.HLQFPSFADR.L	1521.812	0.003	3	1	45.7	0
P12163_2_F7,13347	R.HQNVDIVVIR.E	1496.885	-0.0016	3	1	48	0
P12163_1_S1,19590	R.VPQQVLDSIR.K	1458.858	0.00425	2	1	30.3	0
P12163_2_F6,17487	K.HILDGELTLDK.I	1862.084	0.0037	3	1	40	0
P12163_1_F9,16762	K.IFHLDK.V	1467.878	0.00847	3	1	22.3	0
P12163_1_F3,24249	K.LLPVFEEAAK.S	1725.041	0.01473	3	1	23.8	0
P12163_1_F3,24272	K.LLPVFEEAAK.S	1725.041	0.00929	2	1	29.8	0
P12163_2_S5,4299	K.M*DGTTNEHHR.A	1517.707	0.00212	4	1	24.5	0
P12163_2_S5,4471	K.M*DGTTNEHHR.A	1517.707	0.00312	4	1	40	0
P12163_1_S1,24253	K.SDGFPTILFFPAGNK.S	2219.232	0.00668	3	1	26.5	0
P12163_1_F4,21158	K.TFGEDFLEGG.L	1750.947	0.01125	2	1	41.6	0
P12163_1_F4,21178	K.TFGEDFLEGG.L	1750.947	-0.00045	3	1	24.3	0
P12163_1_F3,18501	R.ENAPSVFESPIK.N	1926.079	0.00885	3	1	50.5	0
P12163_1_F4,18994	R.ENAPSVFESPIK.N	1926.079	0.00258	3	1	25.6	0
P12163_1_F3,17471	R.GVDSIVIAK.M	1509.946	0.00294	2	1	36.3	0
P12163_1_F4,18037	R.GVDSIVIAK.M	1509.946	0.01136	2	1	34.9	0
P12163_2_S5,20444	K.ALLDDPVFRPLVEK.Y	2220.321	0.00109	4	1	22.1	0
P12163_1_F3,19147	K.DGLLQLPSDK.A	1693.994	0.00694	2	1	36.9	0
P12163_1_F3,19148	K.DGLLQLPSDK.A	1693.994	-0.00091	3	1	23.5	0
P12163_2_F6,15866	K.DIVALSGGHTLGR.A !	1599.912	-0.0068	3	1	48.5	0
P12163_1_F4,14338	K.NYPTVSEDYK.K	1823.964	0.01153	2	1	38.5	0
P12163_1_S10,6680	K.QGNDHLR.Q	1143.617	0.00191	3	1	36.8	0
P12163_1_F7,21227	K.YAADEDAFFADYAEA	2655.319	0.00527	4	1	47.3	0
P12163_1_F7,21269	K.YAADEDAFFADYAEA	2655.319	0.00613	3	1	84.6	0
P12163_1_F7,15335	R.LAAEQAHSANGLDI/	2154.157	0.00176	3	1	51	0
P12163_1_F7,15357	R.LAAEQAHSANGLDI/	2154.157	0.00101	2	1	77.3	0
P12163_2_S5,14897	R.LAAEQAHSANGLDI/	2154.157	-0.01691	2	1	60.6	0

P12163_2_S5,14970	R.LAAEQAHSANGLDI/	2154.157	-0.00217	3	1	28.7	0
P12163_1_F4,18710	R.QVFGAQMGLSDK.D	1889.041	0.00602	3	1	48.1	0
P12163_1_S1,18006	K.ALLEDPEFR.R	1393.763	0.0002	3	1	43.2	0
P12163_2_F6,15866	K.DIVALSGGHTLGR.A !	1599.912	-0.0068	3	1	48.5	0
P12163_1_F4,22137	K.IALDFCEEVK.A	1832.008	0.01112	2	1	38.7	0
P12163_1_F4,20746	K.LSELGFSPGSGSK.S	1874.048	0.00402	3	1	46.6	0
P12163_1_F4,20774	K.LSELGFSPGSGSK.S	1874.048	0.00432	2	1	42.3	0
P12163_2_F8_12070	R.AHPER.S	913.5157	0.00225	3	1	29.2	0
P12163_1_F5,6758	R.DYAASHK.K	1399.779	0.0095	3	1	25.3	0
P12163_1_F9,7605	R.DYAASHK.K	1399.779	0.00935	3	1	25.4	0
P12163_2_S5,8040	R.DYAASHK.K	1399.779	0.00075	3	1	36.7	0
P12163_2_F6,15478	R.LAWHDAGTYDVNTK.	2199.165	0.00113	3	1	41.6	0
P12163_1_S10,16710	R.M*GLSDKDIVALSGGF	2551.412	0.01	4	1	39.5	0
P12163_2_F10,1696	R.M*GLSDKDIVALSGGF	2551.412	0.003	4	1	33.8	0
P12163_1_F5,14072	K.AIAAGLK.A	1251.824	0.00314	3	1	23.1	0
P12163_2_F2,14878	K.AIAAGLK.A	1251.824	0.00509	2	1	29.5	0
P12163_1_S1,17294	K.IPGVGEFQCCDR.N	1741.83	0.00103	3	1	35.2	0
P12163_1_F7,18902	K.M*ILPGM*DLSDEHQP	2075.02	0.0061	3	1	46.9	0
P12163_2_F4,18514	K.MILPGMDLSDEHQPR.	2043.03	0.00331	3	1	32.2	0
P12163_1_F9,19704	K.RDGYAAVAEMFAK.N	2037.105	0.00623	3	1	28.1	0
P12163_1_F4,11359	K.SLDAVR.L	964.5729	0.00441	2	1	24.9	0
P12163_1_F3,25785	K.TPIQVYQEFCEFSK.S	2384.242	0.00853	3	1	38.7	0
P12163_1_F8,15740	R.GPHDAPSYDESPNSNS	2704.31	0.00175	3	1	51.8	0
P12163_2_F6,15189	R.GPHDAPSYDESPNSNS	2704.31	0.00913	3	1	46.8	0
P12163_1_F6,22968	R.LFVGLPLDTVSDANTV	2719.524	0.00317	3	1	58.8	0
P12163_2_S5,21153	R.LFVGLPLDTVSDANTV	2719.524	0.00251	4	1	22.2	0
P12163_1_F4,15591	K.EVIAAVQK.S	1465.92	0.00888	3	1	31.9	0
P12163_2_F1,14640	K.EVIAAVQK.S	1465.92	0.00377	2	1	38.6	0
P12163_2_F1,10998	K.QLGSNNALNNAR.A	1575.85	0.0021	2	1	36.4	0
P12163_2_S5,15421	K.VMLRPASPGTGVIAGC	2113.222	0.00097	3	1	26.1	0
P12163_1_F9,15829	K.YLTFPHR.S	1237.699	0.00403	3	1	45.7	0
P12163_2_F4,14963	K.YLTFPHR.S	1237.699	0.00277	3	1	33.8	0
P12163_2_F9,15156	K.YLTFPHR.S	1237.699	0.00199	3	1	34.6	0
P12163_1_F4,16375	R.AIVVVGDK.K	1408.898	0.00514	3	1	28.2	0
P12163_1_F4,13788	R.ATVVAVQK.M	1423.909	0.00471	2	1	41.9	0
P12163_1_F3,26352	R.IVLEMAGVENALGK.Q	2052.198	0.00575	3	1	45.4	0
P12163_2_F1,16934	R.NIVTVPMTK.Y	1610.976	0.00411	3	1	24.4	0
P12163_1_F8,13625	K.APQAAGTIHTDFER.G	1817.945	0.0025	3	1	33.9	0
P12163_1_F8,13665	K.APQAAGTIHTDFER.G	1817.945	0.00467	2	1	26.9	0
P12163_2_S5,13083	K.APQAAGTIHTDFER.G	1817.945	0.00322	3	1	49.6	0
P12163_2_F2,15121	K.AWLQDGK.D	1425.831	-0.00065	2	1	27.6	0
P12163_1_F4,13641	K.ELGSEPAVK.A	1537.905	0.00876	2	1	37.7	0
P12163_2_F9,11696	K.IEHELQQR.V	1388.726	0.0074	3	1	22.7	0
P12163_1_F3,21706	K.IGIVGLPNVGK.S	1675.073	-0.00327	3	1	35.6	0
P12163_1_F4,20864	K.STLFNTLTK.L	1632.978	0.00749	2	1	24.5	0
P12163_2_F1,20238	K.STLFNTLTK.L	1632.978	0.00425	2	1	45.7	0
P12163_2_F6,20897	R.AVDGIFHVL.R.A	1430.842	0.00102	3	1	32.2	0
P12163_2_F1,18707	R.GFICAEVMK.F	1662.917	0.00873	3	1	32.3	0
P12163_1_F3,17684	K.CGLDGSIIYASVEK.A	2007.068	0.00262	3	1	22.1	0
P12163_1_F3,17729	K.CGLDGSIIYASVEK.A	2007.068	-0.00311	2	1	54.7	0
P12163_1_F7,23119	K.ETLCSGWLASVLITHR	2147.158	-0.00074	3	1	38.7	0

P12163_1_F6,15485	K.GLHLITHTIK.R	1741.094	0.0061	3	1	24.1	0
P12163_2_F6,14814	K.GLHLITHTIK.R	1741.094	0.00511	3	1	24.9	0
P12163_1_S1,20435	K.VGGLGDVVVTGLAR.A	1517.895	0.00335	2	1	43.4	0
P12163_1_F8,23054	R.GHTVDIMLPFYECIQK	2559.356	0.00871	3	1	22.9	0
P12163_2_F4,19012	R.IVLTIHNM*EHYGECR.	2192.089	0.00419	3	1	34.9	0
P12163_2_F4,18997	R.IVLTIHNMEHYGECR.C	2176.094	0.00165	3	1	52.6	0
P12163_1_F9,4342	R.TIGHNPER.L	1227.675	0.00164	3	1	23.7	0
P12163_1_F3,18138	R.YASLEAPAEIEK.D	1929.079	0.00408	2	1	52	0
P12163_2_F1,17117	K.AAYVAVMQK.V	1588.934	0.00293	3	1	32.4	0
P12163_1_S1,15803	K.NMAVTQFEPADAR.R	1753.884	0.00224	2	1	36.8	0
P12163_1_S1,15859	K.NMAVTQFEPADAR.R	1753.884	0.00291	3	1	37.8	0
P12163_2_F1,18215	R.CFPCWDEPACK.A	2077.975	0.00144	2	1	29.7	0
P12163_1_F4,11317	R.ETDLSQEK.T	1557.858	0.00608	2	1	26.5	0
P12163_1_F9,17414	R.FHAFLADR.T	1280.705	0.00503	3	1	34.1	0
P12163_2_F9,16968	R.FHAFLADR.T	1280.705	0.00098	3	1	40.9	0
P12163_1_F8,24771	R.GEIFTALALLGHK.E	1978.195	0.00432	3	1	34	0
P12163_1_F9,11027	R.NEGHLAEAVK.E	1675.959	-0.00305	2	1	39.9	0
P12163_2_F9,10575	R.NEGHLAEAVK.E	1675.959	0.00948	4	1	23	0
P12163_2_F2,12903	R.SVSFTNK.A	1390.815	0.00519	2	1	31.2	0
P12163_1_F4,23390	K.EVFEWISNNPK.V	1971.08	0.00306	2	1	40.3	0
P12163_2_F1,22801	K.EVFEWISNNPK.V	1971.08	0.00723	3	1	24	0
P12163_2_F1,22830	K.EVFEWISNNPK.V	1971.08	-0.0035	2	1	29.5	0
P12163_1_F8,12357	K.SLVAQDHVTPK.L	1803.058	0.0088	2	1	59.9	0
P12163_2_F6,11990	K.SLVAQDHVTPK.L	1803.058	0.00083	3	1	25.9	0
P12163_1_F5,19150	K.TLLNFAK.L	1414.888	0.00254	2	1	29.5	0
P12163_2_S3,13989	R.ADLHTVSLHFR.L	1599.891	0.00221	3	1	27.2	0
P12163_2_F1,21109	R.AIDFIYK.E	1477.887	0.00247	2	1	24.2	0
P12163_1_F6,17391	R.LGVAYHFQK.Q ! R.LG'	1671.968	0.00203	2	1	30.4	0
P12163_1_F8,17104	R.LMDDMQGHEFEQK.R	2216.094	0.00304	3	1	28.7	0
P12163_1_F3,26035	R.WNIEAVDMLPEYMK.I	2347.229	0.00682	3	1	47.3	0
P12163_1_F4,14434	K.ASLNGNVLR.Y	1247.737	0.01032	2	1	26.3	0
P12163_1_S1,20943	K.EFNDNLLSEICR.L	1813.906	0.0042	2	1	47.7	0
P12163_1_S1,20944	K.EFNDNLLSEICR.L	1813.906	0.00447	3	1	51.5	0
P12163_1_S1,22384	K.IPLVLMGCGGVGR.Q	1632.923	0.00266	3	1	27	0
P12163_1_S1,12193	K.SLGYTEPDPR.D	1438.748	0.00296	2	1	32.9	0
P12163_1_F3,22517	K.SLVVASDIFTK.E	1788.073	-0.00214	3	1	33.5	0
P12163_1_F3,22584	K.SLVVASDIFTK.E	1788.073	-0.00099	2	1	50.9	0
P12163_1_F4,16997	R.CTVGIQELPK.N	1753.014	0.00569	2	1	29.4	0
P12163_2_F6,17346	R.QLQHIVSCR.S	1557.884	-0.00058	3	1	32.6	0
P12163_2_S3,12153	R.SLHANLGVHLR.V	1520.896	0.00172	4	1	56	0
P12163_2_S5,12984	R.SLHANLGVHLR.V	1520.896	0.00668	4	1	27.5	0
P12163_1_F2,12989	K.TVPDAFYCR.R	1432.72	0.00265	3	1	33.1	0
P12163_2_S5,9779	R.ATGAYSHSQGIK.G	1828.017	0.00715	3	1	25.2	0
P12163_1_F4,14932	R.CTILPQEDK.I	1711.951	0.01219	2	1	26.3	0
P12163_1_F2,15514	R.DGILSSLAR.R	1235.726	0.00472	3	1	26	0
P12163_1_S1,9847	R.DTIAAGIEAR.D	1320.742	0.00319	3	1	33.5	0
P12163_1_S1,13768	R.DTIAAGIEAR.D	1320.742	0.00379	3	1	46.5	0
P12163_1_F7,18529	R.EVLALCDHPSILDR.S	1942.037	0.00463	3	1	49.8	0
P12163_2_F10,1714	R.EVLALCDHPSILDR.S	1942.037	0.00451	3	1	32.8	0
P12163_1_F2,15021	R.GEIVSIAQR.L	1276.753	0.0017	2	1	25.5	0
P12163_1_S1,17272	R.SETQGLFSADSIER.A	1843.934	0.00464	2	1	76.8	0

P12163_1_F4,16914	K.DALQPVLK.L	1491.935	0.00915	2	1	24.3	0
P12163_1_S1,19433	K.LLLGPEGEELR.T	1529.884	0.00255	3	1	49.6	0
P12163_1_F4,18517	K.LNEQVAIESQGLK.V	2037.18	0.00402	3	1	43.2	0
P12163_1_F4,18520	K.LNEQVAIESQGLK.V	2037.18	0.00173	2	1	61.5	0
P12163_2_F2,7360	K.SSGSGSVQK.V	1444.822	0.00558	2	1	31.8	0
P12163_2_F1,22541	K.VLAASYPYFAK.R	1838.067	0.00605	3	1	22.4	0
P12163_1_S1,10925	R.ADDLQAEAR.A	1292.675	0.00334	2	1	27.4	0
P12163_1_F3,27504	R.DALVELL呢K.D	1656.019	0.00279	3	1	25.1	0
P12163_1_S1,18085	R.VYQELNYVQEGQNAR	2115.077	0.00604	3	1	50.5	0
P12163_1_S1,18096	R.VYQELNYVQEGQNAR	2115.077	0.00453	2	1	44	0
P12163_1_S1,19997	K.ASDIIDAGPLLDEK.L	2065.164	0.00625	3	1	37.3	0
P12163_1_F9,15340	K.HEMEFALER.G	1465.741	0.00448	3	1	46.9	0
P12163_2_F9,14820	K.HEMEFALER.G	1465.741	0.00304	3	1	27.2	0
P12163_1_F3,23290	K.LPEVLDGQMLK.V	1851.087	0.0014	3	1	62.6	0
P12163_1_F2,22100	R.DLGSYIPLEK.H	1856.099	0.00473	2	1	37.9	0
P12163_1_F8,19601	R.IGATEATAVLDHVK.S	2033.185	0.0075	3	1	55	0
P12163_2_F6,19200	R.IGATEATAVLDHVK.S	2033.185	0.01122	3	1	40.8	0
P12163_1_F8,12312	R.LTDTVHPENCDEK.I	2166.096	0.0008	2	1	31.3	0
P12163_2_F2,10700	R.NISSVQQK.E	1511.9	0.00731	2	1	26.9	0
P12163_1_S1,21972	R.QILQAACETLANASSR	2037.07	0.00205	3	1	70.4	0
P12163_2_F6,13339	K.AVAESVQHPFR.Y	1544.849	-0.00172	3	1	50	0
P12163_2_F6,22851	K.FEAVIHFGALK.A	1840.094	0.00555	3	1	23.7	0
P12163_1_F3,28548	K.GISVLEM*VAAFEK.V	2018.145	0.00312	3	1	48.6	0
P12163_1_F3,28560	K.GISVLEMVAAFEK.V	2002.15	0.00705	3	1	30.6	0
P12163_2_F6,17958	K.LEFHVGDLR.N	1389.779	0.00159	3	1	30.7	0
P12163_2_F2,11345	K.NNPMGYQTK.K	1660.894	0.00598	2	1	35.6	0
P12163_2_F10,1840	K.VVLIDNLHNSVPEAVI	2194.213	0.00045	3	1	40.6	0
P12163_2_F10,1842	K.VVLIDNLHNSVPEAVI	2194.213	0.00474	3	1	24.9	0
P12163_1_F8,14900	R.HPELNVYQGQDYPTK.D	2269.207	0.00376	3	1	30.1	0
P12163_1_F2,15723	R.VGDATAVYAAATDK.A	1890.043	0.00132	3	1	37.8	0
P12163_1_S1,23011	K.ADVLQALHAL-	1354.8	0.00385	2	1	31.6	0
P12163_1_F5,20357	K.FIDALK.I ! R.FLDALK.	1314.824	0.00731	2	1	25.3	0
P12163_1_F8,17991	K.FIGGHNDVLAGCISGS	2469.302	0.00954	3	1	26.4	0
P12163_2_F6,17501	K.FIGGHNDVLAGCISGS	2469.302	0.00918	3	1	33.8	0
P12163_1_F4,22473	K.NVQLEALADLK.N	1822.089	0.00699	3	1	36.9	0
P12163_1_F4,20786	K.TAELIDFK.E	1544.914	0.00402	2	1	25.8	0
P12163_2_F1,20173	K.TAELIDFK.E	1544.914	0.0028	2	1	29.4	0
P12163_1_F2,20647	K.YGIMDNLVR.F	1384.756	0.00573	2	1	37.3	0
P12163_1_F3,24325	R.IFIETVLPK.M	1668.056	0.00732	3	1	46.1	0
P12163_1_F3,9229	R.VQQQNSTALR.M	1448.812	0.00459	2	1	38	0
P12163_1_F3,15784	K.EVDEQMINVQNK.N ! I	2055.1	0.005	2	1	71.2	0
P12163_1_F7,21368	K.FWEVVCDEHGIDPTGI	2221.065	0.00079	3	1	43.5	0
P12163_1_S1,23245	K.LAVNLIPFPR.L	1443.899	0.00187	3	1	36.6	0
P12163_1_F2,15019	R.FPGQLNSDLR.K	1450.796	0.00178	3	1	40.8	0
P12163_1_F8,22050	R.KLAVNLIPFPR.L	1876.199	0.00927	3	1	27.8	0
P12163_2_F6,21707	R.KLAVNLIPFPR.L	1876.199	0.00288	3	1	34	0
P12163_1_F8,24105	R.LHFFM*VGFAPL呢SR.C	1943.051	0.00513	3	1	43.6	0
P12163_1_F3,26332	R.MMLTFSVFPSPK.V	1993.111	0.00817	3	1	44.8	0
P12163_1_F3,17068	R.YLTASAMFR.G	1363.735	0.00428	3	1	38.5	0
P12163_1_S1,17600	K.EALNLEYQSALSRI	1797.965	0.00255	2	1	46.6	0
P12163_1_F4,15247	K.LEAESLNTEK.L	1741.979	-0.00265	2	1	29.1	0

P12163_2_F2,14008	K.LSEQLQNK.K	1567.926	0.00856	2	1	33.9	0
P12163_1_F7,22639	K.LSIAGELEAELNHR.L	1856.018	0.00394	3	1	75.2	0
P12163_1_F4,16200	K.LTVENAELNQK.L	1867.074	0.01286	2	1	24	0
P12163_1_F4,22674	K.QIEGLFLECK.V	1845.04	0.00698	3	1	30.2	0
P12163_1_F4,21193	K.SLELEVASLGNQK.S	1996.153	0.00247	3	1	47.4	0
P12163_1_F4,23858	R.ISDLEMLTK.E	1657.965	0.00816	2	1	31.4	0
P12163_1_F7,11604	K.AAHLALK.A ! K.AAHL	1331.862	0.00147	2	1	36.8	0
P12163_1_F7,11622	K.AAHLALK.A ! K.AAHL	1331.862	0.00176	3	1	28.2	0
P12163_1_F9,12597	K.AAHLALK.A ! K.AAHL	1331.862	0.00713	2	1	38.8	0
P12163_1_F9,12601	K.AAHLALK.A ! K.AAHL	1331.862	0.00599	3	1	33.8	0
P12163_1_F9,12819	K.AAHLALK.A ! K.AAHL	1331.862	0.00679	2	1	33.7	0
P12163_1_F9,12828	K.AAHLALK.A ! K.AAHL	1331.862	0.00311	3	1	30.1	0
P12163_1_F9,13255	K.AAHLALK.A ! K.AAHL	1331.862	0.00143	3	1	33.8	0
P12163_1_F9,13256	K.AAHLALK.A ! K.AAHL	1331.862	0.00307	2	1	33.7	0
P12163_1_S10,1265	K.AAHLALK.A ! K.AAHL	1331.862	0.00633	2	1	33.5	0
P12163_1_S10,1270	K.AAHLALK.A ! K.AAHL	1331.862	0.00128	3	1	26.4	0
P12163_1_S10,1277	K.AAHLALK.A ! K.AAHL	1331.862	0.0005	4	1	23.1	0
P12163_2_F10,1105	K.AAHLALK.A ! K.AAHL	1331.862	0.0014	3	1	25.5	0
P12163_2_F10,1174	K.AAHLALK.A ! K.AAHL	1331.862	0.00506	3	1	25.7	0
P12163_2_F10,1175	K.AAHLALK.A ! K.AAHL	1331.862	0.00569	2	1	31.7	0
P12163_2_F8_12070	K.AAHLALK.A ! K.AAHL	1331.862	0.00074	3	1	28.9	0
P12163_2_F8_12070	K.AAHLALK.A ! K.AAHL	1331.862	0.00536	3	1	26.3	0
P12163_2_F8_12070	K.AAHLALK.A ! K.AAHL	1331.862	0.00507	2	1	32.4	0
P12163_2_F9,11529	K.AAHLALK.A ! K.AAHL	1331.862	-0.0015	4	1	37.1	0
P12163_2_F9,11661	K.AAHLALK.A ! K.AAHL	1331.862	0.00155	3	1	33.6	0
P12163_1_F4,19234	K.ALDMNSAEDAIVR.L	1708.884	0.00735	2	1	30.1	0
P12163_1_F5,17505	K.ALDMNSAEDAIVR.L	1708.884	0.00373	2	1	31.4	0
P12163_1_F8,18254	K.ALDMNSAEDAIVR.L	1708.884	-0.00003	2	1	27.1	0
P12163_2_F1,18073	K.ALDMNSAEDAIVR.L	1708.884	-0.00427	2	1	27.7	0
P12163_2_F2,18238	K.ALDMNSAEDAIVR.L	1708.884	0.00981	2	1	24.1	0
P12163_2_F4,17093	K.ALDMNSAEDAIVR.L	1708.884	0.00011	2	1	35.6	0
P12163_2_F6,17792	K.ALDMNSAEDAIVR.L	1708.884	0.00093	2	1	26.7	0
P12163_1_F6,15918	K.HAALFTSTIM*SK.L	1931.088	0.00228	3	1	29.2	0
P12163_1_F6,15936	K.HAALFTSTIM*SK.L	1931.088	-0.00176	4	1	22.7	0
P12163_1_F6,18225	K.HAALFTSTIM*SK.L	1931.088	-0.00009	3	1	30.5	0
P12163_1_F6,18244	K.HAALFTSTIM*SK.L	1931.088	0.00824	4	1	36.3	0
P12163_1_F9,15548	K.HAALFTSTIM*SK.L	1931.088	0.0084	4	1	29.3	0
P12163_1_F9,15564	K.HAALFTSTIM*SK.L	1931.088	0.00615	3	1	38.2	0
P12163_1_F9,17624	K.HAALFTSTIM*SK.L	1931.088	0.00584	4	1	22.8	0
P12163_1_F9,17641	K.HAALFTSTIM*SK.L	1931.088	0.01305	3	1	38.5	0
P12163_1_F9,17874	K.HAALFTSTIM*SK.L	1931.088	0.00244	4	1	30.6	0
P12163_1_F9,18486	K.HAALFTSTIM*SK.L	1931.088	0.00592	4	1	23.9	0
P12163_1_F9,18875	K.HAALFTSTIM*SK.L	1931.088	0.00096	4	1	28	0
P12163_2_F7,12600	K.HAALFTSTIM*SK.L	1931.088	0.00552	3	1	25.2	0
P12163_2_F7,13998	K.HAALFTSTIM*SK.L	1931.088	0.00655	2	1	36.9	0
P12163_2_F7,14881	K.HAALFTSTIM*SK.L	1931.088	0.00744	4	1	27.4	0
P12163_2_F7,15561	K.HAALFTSTIM*SK.L	1931.088	-0.00103	2	1	31.6	0
P12163_2_F7,15597	K.HAALFTSTIM*SK.L	1931.088	0.0024	4	1	32.4	0
P12163_2_F9,14602	K.HAALFTSTIM*SK.L	1931.088	0.00639	3	1	30.4	0
P12163_2_F9,16689	K.HAALFTSTIM*SK.L	1931.088	0.00312	4	1	23.5	0
P12163_2_S5,14707	K.HAALFTSTIM*SK.L	1931.088	0.00681	3	1	42.3	0

P12163_1_F6,18253 K.HAALFTSTIMSK.L	1915.093	0.00457	2	1	30.5	0
P12163_1_F9,17604 K.HAALFTSTIMSK.L	1915.093	0.00828	4	1	23.2	0
P12163_1_F9,17613 K.HAALFTSTIMSK.L	1915.093	0.00903	3	1	36.7	0
P12163_1_F9,17622 K.HAALFTSTIMSK.L	1915.093	0.00801	2	1	55	0
P12163_1_S10,1706 K.HAALFTSTIMSK.L	1915.093	0.00309	3	1	41.3	0
P12163_1_S10,1710 K.HAALFTSTIMSK.L	1915.093	0	4	1	27.4	0
P12163_2_F10,1588 K.HAALFTSTIMSK.L	1915.093	0.0008	4	1	29	0
P12163_2_F7,15560 K.HAALFTSTIMSK.L	1915.093	-0.00017	2	1	48.8	0
P12163_2_F7,15596 K.HAALFTSTIMSK.L	1915.093	-0.00225	3	1	54.2	0
P12163_2_F8_12070 K.HAALFTSTIMSK.L	1915.093	0.00858	3	1	44.9	0
P12163_2_F9,16659 K.HAALFTSTIMSK.L	1915.093	0.00552	3	1	39.6	0
P12163_2_S5,16858 K.HAALFTSTIMSK.L	1915.093	0.0042	3	1	65	0
P12163_2_S5,16896 K.HAALFTSTIMSK.L	1915.093	0.00011	2	1	26.1	0
P12163_1_F2,24508 K.LFNAVAAEDLIVK.G	2011.205	0.00653	3	1	24.4	0
P12163_1_F3,25745 K.LFNAVAAEDLIVK.G	2011.205	0.00164	3	1	44.9	0
P12163_1_F3,25922 K.LFNAVAAEDLIVK.G	2011.205	0.0044	2	1	86.3	0
P12163_1_F3,25982 K.LFNAVAAEDLIVK.G	2011.205	0.00428	3	1	46.3	0
P12163_1_F3,26158 K.LFNAVAAEDLIVK.G	2011.205	0.00264	2	1	29.2	0
P12163_1_F3,26204 K.LFNAVAAEDLIVK.G	2011.205	0.00623	3	1	52.4	0
P12163_1_F3,26576 K.LFNAVAAEDLIVK.G	2011.205	0.00926	3	1	42.3	0
P12163_1_F3,27232 K.LFNAVAAEDLIVK.G	2011.205	0.00737	3	1	31.1	0
P12163_1_F3,27720 K.LFNAVAAEDLIVK.G	2011.205	0.00029	3	1	27.9	0
P12163_1_F3,28621 K.LFNAVAAEDLIVK.G	2011.205	0.00134	3	1	24.4	0
P12163_1_F4,26655 K.LFNAVAAEDLIVK.G	2011.205	-0.01372	3	1	39.1	0
P12163_1_F7,23525 K.LFNAVAAEDLIVK.G	2011.205	0.00224	3	1	40.9	0
P12163_1_F8,24425 K.LFNAVAAEDLIVK.G	2011.205	0.00443	3	1	33.6	0
P12163_1_S1,22796 K.LFNAVAAEDLIVK.G	2011.205	-0.00043	3	1	36.9	0
P12163_1_S1,23034 K.LFNAVAAEDLIVK.G	2011.205	0.0059	3	1	47	0
P12163_1_F3,15976 K.SIGM*IEEVPGM*K.A	1931.044	-0.00231	3	1	31.7	0
P12163_2_F6,19860 K.SIGM*IEEVPGM*K.A	1931.044	0.00231	3	1	22.2	0
P12163_1_F3,15779 K.SIGM*IEEVPGMK.A	1915.049	0.00591	4	1	35.6	0
P12163_1_F3,15781 K.SIGM*IEEVPGMK.A	1915.049	0.00748	2	1	31.5	0
P12163_1_F3,15524 K.SIGMIEEVPGM*K.A	1915.049	0.01353	3	1	33.4	0
P12163_1_F3,18057 K.SIGMIEEVPGM*K.A	1915.049	0.01122	3	1	22.5	0
P12163_1_F3,18319 K.SIGMIEEVPGM*K.A	1915.049	0.00612	3	1	45	0
P12163_1_F3,18353 K.SIGMIEEVPGM*K.A	1915.049	0.00596	2	1	27.6	0
P12163_1_F3,20720 K.SIGMIEEVPGM*K.A	1915.049	0.0111	3	1	31.2	0
P12163_1_F4,18811 K.SIGMIEEVPGM*K.A	1915.049	0.00246	3	1	23.3	0
P12163_1_F4,21322 K.SIGMIEEVPGM*K.A	1915.049	0.00348	3	1	38.1	0
P12163_1_F4,21335 K.SIGMIEEVPGM*K.A	1915.049	0.00404	2	1	31.4	0
P12163_1_F6,19672 K.SIGMIEEVPGM*K.A	1915.049	0.00534	3	1	23.6	0
P12163_2_F4,16651 K.SIGMIEEVPGM*K.A	1915.049	0.01632	3	1	29.7	0
P12163_1_F3,18038 K.SIGMIEEVPGMK.A	1899.054	0.00612	2	1	35.1	0
P12163_1_F3,18040 K.SIGMIEEVPGMK.A	1899.054	0.00331	4	1	33.1	0
P12163_1_F3,18050 K.SIGMIEEVPGMK.A	1899.054	0.0003	3	1	25.9	0
P12163_1_F5,20081 K.SIGMIEEVPGMK.A	1899.054	0.00717	3	1	41	0
P12163_1_F5,20085 K.SIGMIEEVPGMK.A	1899.054	0.00692	2	1	33.7	0
P12163_1_S10,1878 K.SIGMIEEVPGMK.A	1899.054	0.00162	3	1	30.1	0
P12163_2_F2,20223 K.SIGMIEEVPGMK.A	1899.054	0.00003	3	1	25.5	0
P12163_2_F9,18342 K.SIGMIEEVPGMK.A	1899.054	0.0066	3	1	31.7	0
P12163_1_F4,16824 K.VVVSSCGHDGPFGATC	2382.27	0.00165	3	1	31.2	0

P12163_1_F4,16873	K.VVVSSCGHDGPFGATC	2382.27	0.00404	2	1	44.1	0
P12163_1_F5,15664	K.VVVSSCGHDGPFGATC	2382.27	0.00678	3	1	31.5	0
P12163_1_F6,15842	K.VVVSSCGHDGPFGATC	2382.27	-0.00021	3	1	32.1	0
P12163_1_F6,16203	K.VVVSSCGHDGPFGATC	2382.27	0.00609	3	1	30.4	0
P12163_1_F7,13766	K.VVVSSCGHDGPFGATC	2382.27	0.00039	3	1	32.3	0
P12163_2_F10,1436	K.VVVSSCGHDGPFGATC	2382.27	0.00588	3	1	24.8	0
P12163_2_F10,1443	K.VVVSSCGHDGPFGATC	2382.27	0.00625	4	1	27.3	0
P12163_2_F10,1462	K.VVVSSCGHDGPFGATC	2382.27	0.00537	4	1	27.5	0
P12163_2_F10,1469	K.VVVSSCGHDGPFGATC	2382.27	0.00666	3	1	39.4	0
P12163_2_F4,15057	K.VVVSSCGHDGPFGATC	2382.27	0.00342	2	1	38.8	0
P12163_2_F4,15168	K.VVVSSCGHDGPFGATC	2382.27	0.00615	3	1	31.2	0
P12163_2_F4,15256	K.VVVSSCGHDGPFGATC	2382.27	0.00737	4	1	27.7	0
P12163_2_F4,15419	K.VVVSSCGHDGPFGATC	2382.27	0.00243	3	1	24.3	0
P12163_2_F4,15729	K.VVVSSCGHDGPFGATC	2382.27	0.01236	3	1	31.1	0
P12163_2_F6,15512	K.VVVSSCGHDGPFGATC	2382.27	0.00612	3	1	29.7	0
P12163_2_F6,15524	K.VVVSSCGHDGPFGATC	2382.27	0.00197	4	1	26.8	0
P12163_1_F3,17112	R.M*GPTFGAM*MISGQK	2096.08	0.01467	3	1	24.2	0
P12163_1_F3,19549	R.M*GPTFGAMMISGQK	2080.085	0.00819	3	1	39.9	0
P12163_2_F1,19594	R.M*GPTFGAMMISGQK	2080.085	0.00261	3	1	37.9	0
P12163_1_F3,21218	R.MGPTFGAM*MISGQK	2080.085	0.00435	3	1	25	0
P12163_1_F4,22228	R.MGPTFGAM*MISGQK	2080.085	0.00867	3	1	23	0
P12163_1_F3,21342	R.MGPTFGAMMISGQK.A	2064.09	0.01963	2	1	39.3	0
P12163_1_F4,22230	R.MGPTFGAMMISGQK.A	2064.09	0.01122	3	1	22.5	0
P12163_2_F1,21715	R.MGPTFGAMMISGQK.A	2064.09	0.00141	3	1	36.9	0
P12163_1_F2,19052	K.ASM*ENGVLTVTVPK	2070.172	0.00558	3	1	29.4	0
P12163_1_F3,17688	K.ASM*ENGVLTVTVPK	2070.172	0.0058	2	1	51.3	0
P12163_1_F3,17836	K.ASM*ENGVLTVTVPK	2070.172	0.00556	3	1	39.1	0
P12163_1_F3,19760	K.ASM*ENGVLTVTVPK	2070.172	0.00567	3	1	41	0
P12163_1_F6,18624	K.ASM*ENGVLTVTVPK	2070.172	0.00459	3	1	30.6	0
P12163_2_S3,14258	K.ASM*ENGVLTVTVPK	2070.172	-0.0032	3	1	28.7	0
P12163_1_F3,17089	K.ASMENGVLTVTVPK.V	2054.178	0.0076	3	1	22.9	0
P12163_1_F3,17130	K.ASMENGVLTVTVPK.V	2054.178	0.0046	2	1	56.1	0
P12163_1_F3,17408	K.ASMENGVLTVTVPK.V	2054.178	0.00292	3	1	27	0
P12163_1_F3,17444	K.ASMENGVLTVTVPK.V	2054.178	0.00442	2	1	38.7	0
P12163_1_F3,17505	K.ASMENGVLTVTVPK.V	2054.178	0.00383	4	1	34.2	0
P12163_1_F3,19514	K.ASMENGVLTVTVPK.V	2054.178	0.01582	2	1	49.7	0
P12163_1_F3,19787	K.ASMENGVLTVTVPK.V	2054.178	0.0058	3	1	40.7	0
P12163_1_F3,19805	K.ASMENGVLTVTVPK.V	2054.178	0.00574	2	1	62.5	0
P12163_1_F4,20206	K.ASMENGVLTVTVPK.V	2054.178	0.00817	3	1	35.8	0
P12163_1_F5,18443	K.ASMENGVLTVTVPK.V	2054.178	0.00721	3	1	35.6	0
P12163_1_F5,18890	K.ASMENGVLTVTVPK.V	2054.178	0.0026	2	1	55.9	0
P12163_1_F6,18609	K.ASMENGVLTVTVPK.V	2054.178	0.0073	3	1	44.9	0
P12163_1_F6,18643	K.ASMENGVLTVTVPK.V	2054.178	-0.00026	2	1	74	0
P12163_1_F6,19012	K.ASMENGVLTVTVPK.V	2054.178	0.00223	3	1	34.3	0
P12163_1_F7,18181	K.ASMENGVLTVTVPK.V	2054.178	0.00385	3	1	33.8	0
P12163_1_F8,19120	K.ASMENGVLTVTVPK.V	2054.178	0.00625	3	1	36.6	0
P12163_2_F1,19689	K.ASMENGVLTVTVPK.V	2054.178	0.01153	3	1	29.7	0
P12163_2_F1,19711	K.ASMENGVLTVTVPK.V	2054.178	0.00306	2	1	70.6	0
P12163_2_F4,17789	K.ASMENGVLTVTVPK.V	2054.178	0.00406	3	1	33.4	0
P12163_2_F4,17801	K.ASMENGVLTVTVPK.V	2054.178	0.0048	2	1	55	0
P12163_2_F7,17055	K.ASMENGVLTVTVPK.V	2054.178	0.00703	3	1	31.3	0

P12163_2_F7,17056	K.ASMENGVLTVTPK.V	2054.178	-0.00088	2	1	42.2	0
P12163_2_S3,15598	K.ASMENGVLTVTPK.V	2054.178	0.00388	3	1	25.5	0
P12163_2_F6,13654	K.EEVKVEVEEGR.I	1911.064	0.00224	2	1	40.6	0
P12163_2_F7,12730	K.EEVKVEVEEGR.I	1911.064	0.0118	2	1	35.9	0
P12163_2_F7,12986	K.EEVKVEVEEGR.I	1911.064	0.00548	2	1	40.8	0
P12163_1_F8,11469	K.ETPQAHVFK.A	1664.958	0.00339	2	1	24.4	0
P12163_1_F9,12031	K.ETPQAHVFK.A	1664.958	0.01066	3	1	25	0
P12163_1_F9,12041	K.ETPQAHVFK.A	1664.958	0.00691	2	1	31	0
P12163_1_F9,12485	K.ETPQAHVFK.A	1664.958	0.01019	2	1	26.3	0
P12163_1_F9,13271	K.ETPQAHVFK.A	1664.958	0.00088	3	1	27.6	0
P12163_2_F10,1072	K.ETPQAHVFK.A	1664.958	0.00064	3	1	22.8	0
P12163_2_F10,1092	K.ETPQAHVFK.A	1664.958	0.00031	3	1	30	0
P12163_2_F7,11099	K.ETPQAHVFK.A	1664.958	0.00559	2	1	32.2	0
P12163_2_F9,11225	K.ETPQAHVFK.A	1664.958	0.00571	3	1	24.6	0
P12163_2_F1,9426	K.VEVEEGR.I	1121.61	0.00194	2	1	27.5	0
P12163_2_F4,8111	K.VEVEEGR.I	1121.61	0.002	2	1	35	0
P12163_2_F4,9058	K.VEVEEGR.I	1121.61	0.00288	2	1	25.7	0
P12163_1_F3,7331	R.ETSQFANAR.I	1327.691	-0.00455	2	1	27.3	0
P12163_1_F3,7398	R.ETSQFANAR.I	1327.691	-0.00635	3	1	30.2	0
P12163_1_F3,7740	R.ETSQFANAR.I	1327.691	0.00472	3	1	25.1	0
P12163_1_F3,10233	R.ETSQFANAR.I	1327.691	0.00335	2	1	31.2	0
P12163_1_F3,10465	R.ETSQFANAR.I	1327.691	0.00431	2	1	25.8	0
P12163_1_F4,7722	R.ETSQFANAR.I	1327.691	0.00333	2	1	28.9	0
P12163_1_F4,7725	R.ETSQFANAR.I	1327.691	0.00325	3	1	22.3	0
P12163_1_F4,10581	R.ETSQFANAR.I	1327.691	0.00389	2	1	29.9	0
P12163_1_F3,15212	R.ILQISGER.S	1219.731	-0.00014	3	1	30.7	0
P12163_1_F3,15445	R.ILQISGER.S	1219.731	0.00223	3	1	29.3	0
P12163_1_F3,17930	R.ILQISGER.S	1219.731	-0.00087	2	1	28.3	0
P12163_1_F3,18316	R.ILQISGER.S	1219.731	0.00169	2	1	26.7	0
P12163_1_F3,18580	R.ILQISGER.S	1219.731	0.00217	2	1	25.5	0
P12163_1_F6,17579	R.ILQISGER.S	1219.731	0.00255	2	1	24.7	0
P12163_1_F9,17205	R.ILQISGER.S	1219.731	0.00583	2	1	26	0
P12163_2_F1,17472	R.ILQISGER.S	1219.731	0.00215	2	1	31.3	0
P12163_2_F1,19194	R.ILQISGER.S	1219.731	0.00407	2	1	26.4	0
P12163_2_F1,20491	R.ILQISGER.S	1219.731	0.00235	2	1	26.2	0
P12163_2_F2,686	R.ILQISGER.S	1219.731	0.00263	2	1	26.4	0
P12163_1_F6,11421	R.LPDNAK.M ! R.LPDNA	1265.767	0.00788	3	1	26.7	0
P12163_1_F4,9102	K.ESSASIQPSK.S	1641.927	0.00638	3	1	22.7	0
P12163_1_F4,9322	K.ESSASIQPSK.S	1641.927	0.00568	2	1	26.4	0
P12163_1_F5,9311	K.ESSASIQPSK.S	1641.927	0.00736	2	1	25.3	0
P12163_1_F7,9317	K.ESSASIQPSK.S	1641.927	0.00052	2	1	24.1	0
P12163_1_F9,10017	K.ESSASIQPSK.S	1641.927	0.00734	3	1	24.1	0
P12163_1_F9,10025	K.ESSASIQPSK.S	1641.927	0.00636	2	1	44.2	0
P12163_2_F1,9806	K.ESSASIQPSK.S	1641.927	0.00422	2	1	41	0
P12163_2_F1,10396	K.ESSASIQPSK.S	1641.927	0.015	2	1	27.9	0
P12163_2_F1,10693	K.ESSASIQPSK.S	1641.927	0.00812	2	1	29.9	0
P12163_2_S5,9063	K.ESSASIQPSK.S	1641.927	0.00203	3	1	24.7	0
P12163_1_F4,16920	K.GAPSSVFIK.E	1513.92	0.00208	3	1	22.6	0
P12163_1_F5,15778	K.GAPSSVFIK.E	1513.92	0.00843	2	1	29.6	0
P12163_1_F5,15842	K.GAPSSVFIK.E	1513.92	0.0077	3	1	28.6	0
P12163_1_F9,16116	K.GAPSSVFIK.E	1513.92	0.00284	3	1	22.6	0

P12163_2_F1,16086	K.GAPSSVFIK.E	1513.92	0.00765	2	1	28.8	0
P12163_2_F1,16293	K.GAPSSVFIK.E	1513.92	0.00034	3	1	22.1	0
P12163_2_F2,16628	K.GAPSSVFIK.E	1513.92	0.00577	3	1	26.3	0
P12163_2_F2,16645	K.GAPSSVFIK.E	1513.92	0.00723	2	1	32.3	0
P12163_1_F2,11073	K.VDSLGENR.S	1193.643	0.00176	2	1	25.9	0
P12163_1_F3,7977	K.VDSLGENR.S	1193.643	0.00338	3	1	37.5	0
P12163_1_F6,22266	R.LEPGYPLIIGGINVPHEI	2278.286	-0.00005	2	1	39.6	0
P12163_1_F6,22308	R.LEPGYPLIIGGINVPHEI	2278.286	0.00004	4	1	38.5	0
P12163_1_F6,22446	R.LEPGYPLIIGGINVPHEI	2278.286	-0.00176	3	1	50.5	0
P12163_1_F7,21476	R.LEPGYPLIIGGINVPHEI	2278.286	0.00519	2	1	32.9	0
P12163_1_F7,21534	R.LEPGYPLIIGGINVPHEI	2278.286	0.00192	4	1	28.7	0
P12163_1_F7,21573	R.LEPGYPLIIGGINVPHEI	2278.286	0.0037	3	1	69.3	0
P12163_1_F7,21827	R.LEPGYPLIIGGINVPHEI	2278.286	0.00748	3	1	42	0
P12163_1_S10,20310	R.LEPGYPLIIGGINVPHEI	2278.286	0.00406	3	1	48	0
P12163_1_S10,2032	R.LEPGYPLIIGGINVPHEI	2278.286	0.0052	4	1	38.1	0
P12163_2_F10,1932	R.LEPGYPLIIGGINVPHEI	2278.286	0.00406	3	1	53.1	0
P12163_2_F10,1934	R.LEPGYPLIIGGINVPHEI	2278.286	0.00156	4	1	43.1	0
P12163_2_F10,1950	R.LEPGYPLIIGGINVPHEI	2278.286	0.00508	3	1	54.4	0
P12163_2_F7,19802	R.LEPGYPLIIGGINVPHEI	2278.286	-0.00131	3	1	33.9	0
P12163_2_F8_12070	R.LEPGYPLIIGGINVPHEI	2278.286	0.00298	3	1	59.7	0
P12163_2_F8_12070	R.LEPGYPLIIGGINVPHEI	2278.286	0.00024	4	1	29.2	0
P12163_2_S5,20424	R.LEPGYPLIIGGINVPHEI	2278.286	0.00376	3	1	58.4	0
P12163_2_S5,20456	R.LEPGYPLIIGGINVPHEI	2278.286	0.0028	4	1	41.8	0
P12163_2_S5,20634	R.LEPGYPLIIGGINVPHEI	2278.286	0.00838	3	1	27	0
P12163_2_F6,18511	R.SIAAHTVILLM*K.K	1921.176	0.00311	3	1	23.5	0
P12163_1_F8,21897	R.SIAAHTVILLMK.K	1905.182	0.00728	3	1	22.1	0
P12163_1_F3,24431	R.TNLSELLGADPTVVNL	2392.391	0.00333	3	1	27.9	0
P12163_1_S1,20643	R.TNLSELLGADPTVVNL	2392.391	0.0091	4	1	60.4	0
P12163_1_S1,22207	R.TNLSELLGADPTVVNL	2392.391	0.00594	4	1	57.7	0
P12163_1_S1,22231	R.TNLSELLGADPTVVNL	2392.391	0.00487	2	1	35.4	0
P12163_1_S1,22429	R.TNLSELLGADPTVVNL	2392.391	0.00516	3	1	46.8	0
P12163_1_F5,11022	R.VGHGFDLHR.L	1341.733	0.00504	3	1	31.7	0
P12163_1_F5,11076	R.VGHGFDLHR.L	1341.733	0.00586	4	1	46	0
P12163_1_F6,12171	R.VGHGFDLHR.L	1341.733	0.00366	3	1	36.2	0
P12163_1_F6,12209	R.VGHGFDLHR.L	1341.733	0.00302	4	1	33.7	0
P12163_2_F7,11078	R.VGHGFDLHR.L	1341.733	0.00135	3	1	47.6	0
P12163_2_F7,11079	R.VGHGFDLHR.L	1341.733	0.00602	2	1	32.6	0
P12163_2_F7,11080	R.VGHGFDLHR.L	1341.733	0.00538	4	1	34	0
P12163_2_S5,11646	R.VGHGFDLHR.L	1341.733	0.00202	4	1	27.9	0
P12163_2_S5,11660	R.VGHGFDLHR.L	1341.733	0.00336	3	1	31.2	0
P12163_2_S5,11877	R.VGHGFDLHR.L	1341.733	0.00156	3	1	34.7	0
P12163_1_F2,11806	K.DGVSAGTEIGK.L	1641.927	0.00287	3	1	32.9	0
P12163_1_F3,10826	K.DGVSAGTEIGK.L	1641.927	0.00272	3	1	30.2	0
P12163_1_F3,10828	K.DGVSAGTEIGK.L	1641.927	0.00849	2	1	33.4	0
P12163_1_F3,12231	K.DGVSAGTEIGK.L	1641.927	0.00215	2	1	54.4	0
P12163_1_F3,12262	K.DGVSAGTEIGK.L	1641.927	0.00578	3	1	34	0
P12163_1_F4,11201	K.DGVSAGTEIGK.L	1641.927	0.00857	3	1	23.5	0
P12163_1_F4,12893	K.DGVSAGTEIGK.L	1641.927	0.00737	2	1	54.9	0
P12163_1_F7,11081	K.DGVSAGTEIGK.L	1641.927	0.00329	3	1	26.8	0
P12163_1_S1,11474	K.DGVSAGTEIGK.L	1641.927	0.00464	3	1	37.3	0
P12163_1_F4,16387	K.LVSGLGGSK.L	1425.889	0.00557	2	1	40.6	0

P12163_1_F4,16433 K.LVSGLGGSK.L	1425.889	0.00561	3	1	35.7	0
P12163_1_F6,16063 K.LVSGLGGSK.L	1425.889	0.00781	2	1	30.7	0
P12163_1_F7,14687 K.LVSGLGGSK.L	1425.889	0.00131	2	1	25.3	0
P12163_1_F7,14705 K.LVSGLGGSK.L	1425.889	0.00366	3	1	39.4	0
P12163_2_F1,15343 K.LVSGLGGSK.L	1425.889	0.00873	3	1	41.7	0
P12163_2_F1,15532 K.LVSGLGGSK.L	1425.889	0.00431	2	1	33.4	0
P12163_2_F1,15587 K.LVSGLGGSK.L	1425.889	0.00396	3	1	33.4	0
P12163_2_S5,14052 K.LVSGLGGSK.L	1425.889	-0.00102	3	1	22.1	0
P12163_1_F5,11167 K.MVEAASK.S	1343.781	0.00951	3	1	24.8	0
P12163_1_F3,13791 K.SFVVVADESK.L	1688.968	0.00538	3	1	35.6	0
P12163_1_F3,13829 K.SFVVVADESK.L	1688.968	0.00747	2	1	41.9	0
P12163_1_F3,17107 K.SFVVVADESK.L	1688.968	0.00671	2	1	48.2	0
P12163_1_F3,17145 K.SFVVVADESK.L	1688.968	0.00505	3	1	48	0
P12163_1_F4,14288 K.SFVVVADESK.L	1688.968	0.00541	3	1	27.5	0
P12163_1_F6,16427 K.SFVVVADESK.L	1688.968	0.00446	3	1	38.4	0
P12163_1_F6,16437 K.SFVVVADESK.L	1688.968	-0.00097	2	1	61.1	0
P12163_2_F1,16799 K.SFVVVADESK.L	1688.968	0.00399	2	1	57.2	0
P12163_2_F1,16852 K.SFVVVADESK.L	1688.968	0.00514	3	1	28.4	0
P12163_2_S3,14015 K.SFVVVADESK.L	1688.968	-0.00212	3	1	23.7	0
P12163_2_S5,15520 K.SFVVVADESK.L	1688.968	0.00547	3	1	31.4	0
P12163_1_F3,14938 R.DIVGIPTSK.R	1537.941	0.00426	3	1	27.3	0
P12163_1_F3,14940 R.DIVGIPTSK.R	1537.941	0.00706	2	1	25.2	0
P12163_1_F3,16937 R.DIVGIPTSK.R	1537.941	0.0062	2	1	29.9	0
P12163_1_F3,17194 R.DIVGIPTSK.R	1537.941	0.00532	2	1	29.1	0
P12163_1_F4,17325 R.DIVGIPTSK.R	1537.941	0.00916	2	1	26.9	0
P12163_1_F6,16101 R.DIVGIPTSK.R	1537.941	0.00111	3	1	24.9	0
P12163_1_F6,16138 R.DIVGIPTSK.R	1537.941	0.00154	2	1	29.2	0
P12163_2_S3,13569 R.DIVGIPTSK.R	1537.941	0.00602	2	1	24.4	0
P12163_1_F5,9738 R.ELGCEAK.L	1414.782	0.00696	2	1	29.9	0
P12163_1_F5,9785 R.ELGCEAK.L	1414.782	0.00564	3	1	35.1	0
P12163_2_F1,10333 R.ELGCEAK.L	1414.782	0.0066	3	1	35.1	0
P12163_2_F2,10596 R.ELGCEAK.L	1414.782	0.00814	2	1	29.3	0
P12163_2_F2,10627 R.ELGCEAK.L	1414.782	0.00804	3	1	24.8	0
P12163_2_F1,6527 R.TEEQAK.S	1313.752	0.00492	3	1	24.8	0
P12163_1_F4,21734 K.AEFPIFDK.V ! K.AEFPI	1574.904	0.00428	2	1	26.4	0
P12163_1_F4,21751 K.AEFPIFDK.V ! K.AEFPI	1574.904	-0.00508	3	1	25	0
P12163_1_F4,21925 K.AEFPIFDK.V ! K.AEFPI	1574.904	0.00614	2	1	25.2	0
P12163_1_F4,22647 K.AEFPIFDK.V ! K.AEFPI	1574.904	0.00794	2	1	29.1	0
P12163_1_F4,22984 K.AEFPIFDK.V ! K.AEFPI	1574.904	0.00758	3	1	24.4	0
P12163_1_F5,20713 K.AEFPIFDK.V ! K.AEFPI	1574.904	0.00546	2	1	27.1	0
P12163_1_F5,20757 K.AEFPIFDK.V ! K.AEFPI	1574.904	0.00521	3	1	23.4	0
P12163_1_F6,20663 K.AEFPIFDK.V ! K.AEFPI	1574.904	0.00316	2	1	29.6	0
P12163_1_F6,20709 K.AEFPIFDK.V ! K.AEFPI	1574.904	0.00356	3	1	25.1	0
P12163_1_F7,19441 K.AEFPIFDK.V ! K.AEFPI	1574.904	-0.00217	3	1	22.4	0
P12163_2_F1,21277 K.AEFPIFDK.V ! K.AEFPI	1574.904	0.00548	2	1	24.7	0
P12163_2_F1,21289 K.AEFPIFDK.V ! K.AEFPI	1574.904	0.0026	3	1	24.9	0
P12163_2_F4,18984 K.AEFPIFDK.V ! K.AEFPI	1574.904	0.00296	2	1	30.8	0
P12163_1_F4,13543 K.DVPLSK.F	1266.788	0.00905	3	1	22.3	0
P12163_1_F4,20076 K.SIYDFTVK.D ! K.SLYD	1580.914	0.00877	3	1	22	0
P12163_1_F4,20205 K.SIYDFTVK.D ! K.SLYD	1580.914	0.00495	2	1	36.1	0
P12163_1_F4,20331 K.SIYDFTVK.D ! K.SLYD	1580.914	0.00514	3	1	25.8	0

P12163_1_F5,19008	K.SIYDFTVK.D ! K.SLYD	1580.914	0.00671	2	1	25.3	0
P12163_1_F9,18685	K.SIYDFTVK.D ! K.SLYD	1580.914	0.00927	2	1	28.9	0
P12163_2_F1,19705	K.SIYDFTVK.D ! K.SLYD	1580.914	0.00573	2	1	35.7	0
P12163_2_F1,19734	K.SIYDFTVK.D ! K.SLYD	1580.914	0.00436	3	1	25.7	0
P12163_2_F8_12070	K.SIYDFTVK.D ! K.SLYD	1580.914	0.00742	3	1	24.4	0
P12163_1_F4,19425	K.SSAGGFLGDLVK.W	1759.021	-0.00156	3	1	25	0
P12163_1_F4,22297	K.SSAGGFLGDLVK.W	1759.021	0.00441	3	1	31.9	0
P12163_1_F4,22534	K.SSAGGFLGDLVK.W	1759.021	0.00643	2	1	65.5	0
P12163_1_F4,22558	K.SSAGGFLGDLVK.W	1759.021	0.00516	3	1	47.6	0
P12163_1_F6,21016	K.SSAGGFLGDLVK.W	1759.021	0.009	3	1	41.7	0
P12163_1_F7,19837	K.SSAGGFLGDLVK.W	1759.021	0.00219	3	1	43.3	0
P12163_1_F7,20251	K.SSAGGFLGDLVK.W	1759.021	0.00285	3	1	29.3	0
P12163_2_F1,21843	K.SSAGGFLGDLVK.W	1759.021	0.00534	3	1	48.5	0
P12163_2_F1,22069	K.SSAGGFLGDLVK.W	1759.021	-0.00607	2	1	31.4	0
P12163_2_F4,19395	K.SSAGGFLGDLVK.W	1759.021	0.00291	3	1	27	0
P12163_2_F9,19295	K.SSAGGFLGDLVK.W	1759.021	0.01155	3	1	28	0
P12163_2_S5,19593	K.SSAGGFLGDLVK.W	1759.021	0.00441	3	1	41.2	0
P12163_1_F2,19292	K.VDVNGPNTAPVYQFL	2370.328	0.00616	3	1	43.2	0
P12163_1_F2,21710	K.VDVNGPNTAPVYQFL	2370.328	0.00919	3	1	52.6	0
P12163_1_S1,20554	K.VDVNGPNTAPVYQFL	2370.328	0.00277	3	1	41.6	0
P12163_1_F5,18777	R.CGLTPSNYSELSHLYE	2606.338	0.00514	3	1	36.5	0
P12163_2_F10,1700	R.CGLTPSNYSELSHLYE	2606.338	0.00469	3	1	40.5	0
P12163_2_F10,1703	R.CGLTPSNYSELSHLYE	2606.338	0.00476	4	1	37.5	0
P12163_2_F4,17606	R.CGLTPSNYSELSHLYE	2606.338	0.00732	4	1	23.4	0
P12163_1_F3,19127	R.YPPTTSPFQIEK.D	2016.126	0.00415	3	1	25.8	0
P12163_1_F3,19276	R.YPPTTSPFQIEK.D	2016.126	0.00631	2	1	48.8	0
P12163_2_F7,16544	R.YPPTTSPFQIEK.D	2016.126	0.00011	2	1	28.2	0
P12163_2_F2,9057	K.ASSSMAAENK.N	1603.857	0.00677	2	1	46.8	0
P12163_1_F4,7582	K.DHDDSNIK.L	1601.802	0.0082	2	1	24.4	0
P12163_1_F4,7600	K.DHDDSNIK.L	1601.802	0.007	3	1	34.2	0
P12163_1_F5,6313	K.DHDDSNIK.L	1601.802	0.00868	2	1	25.8	0
P12163_1_F5,6323	K.DHDDSNIK.L	1601.802	0.00037	3	1	30	0
P12163_1_S10,8325	K.DHDDSNIK.L	1601.802	0.00622	3	1	33.9	0
P12163_2_S5,7417	K.DHDDSNIK.L	1601.802	0.0058	3	1	44.2	0
P12163_2_S5,7621	K.DHDDSNIK.L	1601.802	0.00749	4	1	22.7	0
P12163_2_S5,7710	K.DHDDSNIK.L	1601.802	0.00547	3	1	34.5	0
P12163_1_S1,21774	K.LVEPPYVDSIEWAK.W	2254.258	-0.00156	2	1	40.5	0
P12163_1_S1,21779	K.LVEPPYVDSIEWAK.W	2254.258	0.00431	3	1	51.3	0
P12163_1_S1,21535	K.NVQVFDSEEDLAVSLA	2472.344	0.01514	3	1	65	0
P12163_1_F3,17979	K.SNILATSAATGFPK.F	1986.148	0.00467	3	1	43.6	0
P12163_1_F3,19396	K.SNILATSAATGFPK.F	1986.148	0.00076	2	1	67.5	0
P12163_1_F3,19451	K.SNILATSAATGFPK.F	1986.148	0.00548	3	1	64.3	0
P12163_1_F4,17530	K.SNILATSAATGFPK.F	1986.148	0.0053	3	1	32	0
P12163_1_F4,17595	K.SNILATSAATGFPK.F	1986.148	0.00034	2	1	64.3	0
P12163_1_F4,18487	K.SNILATSAATGFPK.F	1986.148	-0.001	2	1	40.1	0
P12163_1_F4,19929	K.SNILATSAATGFPK.F	1986.148	0.00743	3	1	48.8	0
P12163_1_F4,19948	K.SNILATSAATGFPK.F	1986.148	0.0083	2	1	63.7	0
P12163_1_F4,20143	K.SNILATSAATGFPK.F	1986.148	0.00827	3	1	54.2	0
P12163_1_F4,20346	K.SNILATSAATGFPK.F	1986.148	0.00828	2	1	25.9	0
P12163_1_F6,18562	K.SNILATSAATGFPK.F	1986.148	0.00152	3	1	50.4	0
P12163_2_F1,19420	K.SNILATSAATGFPK.F	1986.148	0.00785	3	1	65.8	0

P12163_2_F1,19422	K.SNILATSAATGFPK.F	1986.148	0.00912	2	1	63.5	0
P12163_2_F1,19646	K.SNILATSAATGFPK.F	1986.148	0.00602	3	1	45.1	0
P12163_2_F1,19669	K.SNILATSAATGFPK.F	1986.148	-0.00356	2	1	29.2	0
P12163_2_F1,19906	K.SNILATSAATGFPK.F	1986.148	0.0101	3	1	30.4	0
P12163_2_F4,17127	K.SNILATSAATGFPK.F	1986.148	0.00884	3	1	27	0
P12163_2_F4,17345	K.SNILATSAATGFPK.F	1986.148	-0.00031	3	1	52.3	0
P12163_2_F4,17608	K.SNILATSAATGFPK.F	1986.148	0.00473	3	1	42.8	0
P12163_1_S10,2064	K.WHVFVWDER.V	1577.817	0.00323	3	1	23.7	0
P12163_2_F8_12070	K.WHVFVWDER.V	1577.817	-0.00055	3	1	26.1	0
P12163_2_F8_12070	K.WHVFVWDER.V	1577.817	0.00224	3	1	42	0
P12163_2_F9,20288	K.WHVFVWDER.V	1577.817	0.00026	3	1	25.3	0
P12163_2_F9,20482	K.WHVFVWDER.V	1577.817	0.00359	3	1	43.4	0
P12163_1_F7,12676	K.YTADLSAK.F	1476.852	0.00127	3	1	24.1	0
P12163_1_F7,12722	K.YTADLSAK.F	1476.852	0.00221	2	1	39.3	0
P12163_1_F9,13794	K.YTADLSAK.F	1476.852	0.00597	2	1	28.6	0
P12163_1_S10,1394	K.YTADLSAK.F	1476.852	0.00601	3	1	33.3	0
P12163_2_F8_12070	K.YTADLSAK.F	1476.852	0.00472	3	1	23.6	0
P12163_2_F8_12070	K.YTADLSAK.F	1476.852	0.00599	2	1	32.3	0
P12163_2_F9,13047	K.YTADLSAK.F	1476.852	0.01055	2	1	36.5	0
P12163_2_S5,12565	K.YTADLSAK.F	1476.852	0.00211	2	1	32.9	0
P12163_1_F4,11726	K.ATSEGYDVSK.L	1664.895	0.00842	2	1	57	0
P12163_1_F9,11179	K.ATSEGYDVSK.L	1664.895	0.0096	2	1	46.9	0
P12163_2_F1,10921	K.ATSEGYDVSK.L	1664.895	0.0028	3	1	42.5	0
P12163_2_F1,10965	K.ATSEGYDVSK.L	1664.895	0.00322	2	1	56.6	0
P12163_2_F1,11556	K.EMEVVR.G	1066.587	0.00121	2	1	28	0
P12163_1_F7,10929	R.ATYTLNEDGTVHVR.N	1879.982	0.00655	3	1	23.4	0
P12163_1_F7,12876	R.ATYTLNEDGTVHVR.N	1879.982	0.00577	3	1	30.5	0
P12163_1_F7,13215	R.ATYTLNEDGTVHVR.N	1879.982	0.00517	3	1	55.5	0
P12163_1_F7,13216	R.ATYTLNEDGTVHVR.N	1879.982	0.00539	2	1	35.9	0
P12163_1_F8,11363	R.ATYTLNEDGTVHVR.N	1879.982	0.00844	3	1	31.7	0
P12163_1_F8,11878	R.ATYTLNEDGTVHVR.N	1879.982	0.00052	3	1	44.6	0
P12163_1_F8,11906	R.ATYTLNEDGTVHVR.N	1879.982	0.00195	4	1	37.8	0
P12163_1_F8,13409	R.ATYTLNEDGTVHVR.N	1879.982	0.00415	3	1	32.2	0
P12163_1_F8,13717	R.ATYTLNEDGTVHVR.N	1879.982	0.00586	3	1	54.8	0
P12163_1_F8,13719	R.ATYTLNEDGTVHVR.N	1879.982	0.00705	2	1	35.3	0
P12163_1_S10,1357	R.ATYTLNEDGTVHVR.N	1879.982	0.00967	3	1	28	0
P12163_2_F6,11173	R.ATYTLNEDGTVHVR.N	1879.982	0.00889	3	1	32.3	0
P12163_2_F6,13261	R.ATYTLNEDGTVHVR.N	1879.982	0.0001	3	1	60.3	0
P12163_2_F6,13282	R.ATYTLNEDGTVHVR.N	1879.982	0.00345	2	1	63	0
P12163_2_S5,13173	R.ATYTLNEDGTVHVR.N	1879.982	0.00391	3	1	50.5	0
P12163_1_F7,15997	R.EPHM*DEAIYNQLVEK	2440.264	0.01016	3	1	29	0
P12163_1_F7,17830	R.EPHM*DEAIYNQLVEK	2440.264	0.01052	3	1	22.8	0
P12163_1_F8,16706	R.EPHM*DEAIYNQLVEK	2440.264	0.00748	4	1	22	0
P12163_1_F8,16780	R.EPHM*DEAIYNQLVEK	2440.264	0.01355	3	1	33.2	0
P12163_1_F7,17838	R.EPHMDEAIYNQLVEK.	2424.269	0.00527	3	1	43	0
P12163_1_F7,17839	R.EPHMDEAIYNQLVEK.	2424.269	0.00181	4	1	26.4	0
P12163_1_F8,18614	R.EPHMDEAIYNQLVEK.	2424.269	0.00959	3	1	50.1	0
P12163_1_F8,18648	R.EPHMDEAIYNQLVEK.	2424.269	0.00869	4	1	44.9	0
P12163_1_F8,18672	R.EPHMDEAIYNQLVEK.	2424.269	0.00655	2	1	44.8	0
P12163_2_F6,18217	R.EPHMDEAIYNQLVEK.	2424.269	0.00203	3	1	48.2	0
P12163_1_F5,8985	R.GSIEGTAYK.A	1533.873	0.00485	3	1	23.8	0

P12163_1_F5,11131 R.GSIEGTAYK.A	1533.873	0.00678	2	1	26.8	0
P12163_1_F5,11267 R.GSIEGTAYK.A	1533.873	0.00593	3	1	30.7	0
P12163_1_F9,11954 R.GSIEGTAYK.A	1533.873	0.00616	2	1	35.7	0
P12163_2_F1,11617 R.GSIEGTAYK.A	1533.873	0.00392	3	1	63.3	0
P12163_2_F2,11952 R.GSIEGTAYK.A	1533.873	0.00448	2	1	40.7	0
P12163_2_F2,11985 R.GSIEGTAYK.A	1533.873	-0.00082	3	1	45.2	0
P12163_2_S5,10848 R.GSIEGTAYK.A	1533.873	-0.00535	3	1	30.1	0
P12163_1_F5,10583 R.NETWSDGK.R	1544.816	0.00772	2	1	26.8	0
P12163_2_F2,11360 R.NETWSDGK.R	1544.816	0.00216	2	1	24.1	0
P12163_2_F9,20991 R.WYEIASFPSR.N	1559.816	0.00305	2	1	30.8	0
P12163_1_F7,11571 K.ATAGDTHLGGEDFDN	1979.936	0.00221	3	1	31.1	0
P12163_1_F8,9335 K.ATAGDTHLGGEDFDN	1979.936	0.00154	4	1	32.9	0
P12163_1_F8,10350 K.ATAGDTHLGGEDFDN	1979.936	0.00474	4	1	44.7	0
P12163_1_F8,10358 K.ATAGDTHLGGEDFDN	1979.936	0.00495	2	1	39	0
P12163_1_F8,10594 K.ATAGDTHLGGEDFDN	1979.936	0.00784	3	1	35.8	0
P12163_1_F8,10598 K.ATAGDTHLGGEDFDN	1979.936	0.00085	2	1	45.7	0
P12163_1_F8,10606 K.ATAGDTHLGGEDFDN	1979.936	0.0029	4	1	38.9	0
P12163_1_F8,12056 K.ATAGDTHLGGEDFDN	1979.936	0.00302	3	1	55.8	0
P12163_1_F8,12232 K.ATAGDTHLGGEDFDN	1979.936	0.00173	2	1	44.6	0
P12163_2_F9,11279 K.ATAGDTHLGGEDFDN	1979.936	0.00163	3	1	61.8	0
P12163_2_S5,9391 K.ATAGDTHLGGEDFDN	1979.936	0.00354	4	1	35.8	0
P12163_2_S5,10362 K.ATAGDTHLGGEDFDN	1979.936	0.00242	4	1	55.1	0
P12163_2_S5,10365 K.ATAGDTHLGGEDFDN	1979.936	0.00311	3	1	39.6	0
P12163_2_S5,10368 K.ATAGDTHLGGEDFDN	1979.936	0.01013	2	1	35	0
P12163_2_S5,10564 K.ATAGDTHLGGEDFDN	1979.936	0.00286	4	1	37.9	0
P12163_2_S5,11889 K.ATAGDTHLGGEDFDN	1979.936	0.0021	4	1	49.3	0
P12163_2_S5,11953 K.ATAGDTHLGGEDFDN	1979.936	-0.00161	3	1	41	0
P12163_1_F5,11319 K.CMEPVEK.C	1500.801	0.00642	2	1	25.4	0
P12163_1_F3,21966 K.EIAEAYLGQALK.N	1914.116	0.00153	3	1	39.8	0
P12163_1_F4,12357 K.MVQEAEK.Y ! R.MVQI	1442.813	0.00599	2	1	28.1	0
P12163_1_F5,10859 K.MVQEAEK.Y ! R.MVQI	1442.813	0.00519	2	1	26.8	0
P12163_1_F5,10908 K.MVQEAEK.Y ! R.MVQI	1442.813	0.00899	3	1	35.2	0
P12163_1_F6,11909 K.MVQEAEK.Y ! R.MVQI	1442.813	0.00945	2	1	30.4	0
P12163_2_F1,11370 K.MVQEAEK.Y ! R.MVQI	1442.813	0.00503	2	1	27.8	0
P12163_2_F1,11390 K.MVQEAEK.Y ! R.MVQI	1442.813	0.00722	3	1	39.8	0
P12163_1_F8,18778 K.NAVVTVPAYFNDSQR	1985.039	-0.00348	2	1	30.4	0
P12163_1_F8,18854 K.NAVVTVPAYFNDSQR	1985.039	0.00299	3	1	33.4	0
P12163_1_S1,17806 K.NAVVTVPAYFNDSQR	1985.039	0.01346	2	1	36.9	0
P12163_1_S1,17812 K.NAVVTVPAYFNDSQR	1985.039	0.00257	3	1	27.2	0
P12163_2_F6,18372 K.NAVVTVPAYFNDSQR	1985.039	0.00464	2	1	47.4	0
P12163_2_F6,18440 K.NAVVTVPAYFNDSQR	1985.039	-0.00088	3	1	39.9	0
P12163_1_F6,13680 K.SQVHDVVLVGGSTR.I	1757.981	0.00227	2	1	51.6	0
P12163_1_F7,13003 K.SQVHDVVLVGGSTR.I	1757.981	0.00219	2	1	53.4	0
P12163_1_F7,13034 K.SQVHDVVLVGGSTR.I	1757.981	0.00196	3	1	42.2	0
P12163_1_F8,13552 K.SQVHDVVLVGGSTR.I	1757.981	-0.00253	2	1	48.7	0
P12163_2_F6,12947 K.SQVHDVVLVGGSTR.I	1757.981	0.0019	3	1	36.9	0
P12163_2_F9,12453 K.SQVHDVVLVGGSTR.I	1757.981	-0.00497	3	1	40.8	0
P12163_1_S1,23194 R.FEELNM*DLFR.K	1633.82	0.00103	3	1	40.2	0
P12163_1_S1,23396 R.FEELNM*DLFR.K	1633.82	0.00348	2	1	42.5	0
P12163_1_S1,23417 R.FEELNM*DLFR.K	1633.82	0.00235	3	1	57.6	0
P12163_1_F2,19947 K.AIDLVDAAAK.L	1724.005	0.00359	2	1	36.2	0

P12163_1_F2,20129	K.AIDLVD EAAAK.L	1724.005	0.00375	3	1	74.9	0
P12163_1_F3,20542	K.AIDLVD EAAAK.L	1724.005	0.00723	2	1	74	0
P12163_1_F3,20556	K.AIDLVD EAAAK.L	1724.005	0.00537	3	1	74.9	0
P12163_1_F5,19427	K.AIDLVD EAAAK.L	1724.005	-0.00132	3	1	38.8	0
P12163_1_F5,19907	K.AIDLVD EAAAK.L	1724.005	0.00438	3	1	61.9	0
P12163_1_F5,19911	K.AIDLVD EAAAK.L	1724.005	0.00875	2	1	29.1	0
P12163_1_F6,19508	K.AIDLVD EAAAK.L	1724.005	0.00279	3	1	70.1	0
P12163_1_F6,19574	K.AIDLVD EAAAK.L	1724.005	0.00327	2	1	36.8	0
P12163_1_F6,19917	K.AIDLVD EAAAK.L	1724.005	0.00207	3	1	50.4	0
P12163_2_F2,19990	K.AIDLVD EAAAK.L	1724.005	0.00534	3	1	44	0
P12163_2_F2,20017	K.AIDLVD EAAAK.L	1724.005	0.00585	2	1	62.9	0
P12163_2_F4,18637	K.AIDLVD EAAAK.L	1724.005	0.00507	3	1	52.7	0
P12163_1_F2,15379	K.LDPVIGR.D	1073.662	0.00271	2	1	26	0
P12163_1_S1,14477	K.LDPVIGR.D	1073.662	0.00422	3	1	39.7	0
P12163_1_S1,14594	K.LDPVIGR.D	1073.662	0.00351	2	1	24.4	0
P12163_1_F9,16299	K.LEHDLNSLK.Q	1676.979	0.00516	3	1	23	0
P12163_1_F3,16737	K.NNPVIIGEPGVGK.T ! f	1902.127	0.00297	3	1	31.1	0
P12163_1_F3,16751	K.NNPVIIGEPGVGK.T ! f	1902.127	0.00722	2	1	48.9	0
P12163_1_F4,17243	K.NNPVIIGEPGVGK.T ! f	1902.127	0.00414	3	1	50.9	0
P12163_1_F4,17252	K.NNPVIIGEPGVGK.T ! f	1902.127	0.0091	2	1	42.6	0
P12163_1_F5,16038	K.NNPVIIGEPGVGK.T ! f	1902.127	0.0046	2	1	42.6	0
P12163_1_F6,16044	K.NNPVIIGEPGVGK.T ! f	1902.127	0.00396	2	1	27.9	0
P12163_1_F6,16047	K.NNPVIIGEPGVGK.T ! f	1902.127	-0.00045	3	1	50.9	0
P12163_1_F6,16533	K.NNPVIIGEPGVGK.T ! f	1902.127	0.00396	2	1	24.1	0
P12163_2_F1,16460	K.NNPVIIGEPGVGK.T ! f	1902.127	0.0069	3	1	68.8	0
P12163_2_F1,16482	K.NNPVIIGEPGVGK.T ! f	1902.127	0.0034	2	1	61	0
P12163_2_F2,429	K.NNPVIIGEPGVGK.T ! f	1902.127	0.00675	3	1	30.1	0
P12163_2_F4,14921	K.NNPVIIGEPGVGK.T ! f	1902.127	-0.00324	3	1	33.4	0
P12163_2_F4,14959	K.NNPVIIGEPGVGK.T ! f	1902.127	-0.00354	2	1	40.7	0
P12163_1_F2,11174	K.TAIAEGLAQR.I	1333.774	0.00366	3	1	42.6	0
P12163_1_F2,15759	K.TAIAEGLAQR.I	1333.774	0.0032	2	1	24.4	0
P12163_1_F3,14695	R.CIQILSR.R	1193.698	0.00388	3	1	25.8	0
P12163_1_F3,14743	R.IDM*SEYMEK.H	1769.891	0.0039	2	1	25.8	0
P12163_1_F3,18958	R.IDMSEYMEK.H	1753.896	0.00795	2	1	46.5	0
P12163_1_F3,18985	R.IDMSEYMEK.H	1753.896	0.00558	3	1	27.6	0
P12163_2_F9,17158	R.IDMSEYMEK.H	1753.896	0.009	3	1	35.3	0
P12163_1_F7,17149	K.ADRDESSPYAAM*LA	2601.252	0.00495	3	1	42.5	0
P12163_1_F7,17100	K.ADRDESSPYAAMLAA	2585.257	0.00807	3	1	31.1	0
P12163_2_S5,16941	K.ADRDESSPYAAMLAA	2585.257	0.00561	3	1	52.1	0
P12163_1_F2,13898	K.EENVTLGPAVR.D	1488.832	0.00599	2	1	25.2	0
P12163_1_S1,13175	K.EENVTLGPAVR.D	1488.832	0.00352	2	1	32.8	0
P12163_1_S1,13209	K.EENVTLGPAVR.D	1488.832	0.00161	3	1	63	0
P12163_1_F2,8461	K.EGIPPDQQR.L	1343.722	0.00348	2	1	24.7	0
P12163_1_F2,8819	K.EGIPPDQQR.L	1343.722	0.00186	2	1	31.4	0
P12163_1_F2,9402	K.EGIPPDQQR.L	1343.722	0.00464	2	1	24.9	0
P12163_1_S1,8571	K.EGIPPDQQR.L	1343.722	0.00366	2	1	24.2	0
P12163_1_S1,8795	K.EGIPPDQQR.L	1343.722	0.00362	2	1	28	0
P12163_1_S1,9673	K.EGIPPDQQR.L	1343.722	0.00446	2	1	27.2	0
P12163_1_F8,19012	K.ELGITALHIK.L	1703.068	0.0078	3	1	35.7	0
P12163_1_F8,19013	K.ELGITALHIK.L	1703.068	0.00777	2	1	41.3	0
P12163_2_F6,18570	K.ELGITALHIK.L	1703.068	0.00671	2	1	30.7	0

P12163_1_F6,17512	K.ESTLHLVLR.L	1371.826	0.00506	3	1	32	0
P12163_1_F6,17616	K.ESTLHLVLR.L	1371.826	0.0033	2	1	38.6	0
P12163_1_F8,17242	K.ESTLHLVLR.L	1371.826	0.00389	3	1	45.5	0
P12163_1_F8,17254	K.ESTLHLVLR.L	1371.826	0.00334	2	1	32.5	0
P12163_2_F6,16554	K.ESTLHLVLR.L	1371.826	0.002	3	1	45.1	0
P12163_2_F6,16567	K.ESTLHLVLR.L	1371.826	0.00352	2	1	33.2	0
P12163_2_F6,17041	K.ESTLHLVLR.L	1371.826	-0.00094	3	1	39.1	0
P12163_2_F6,20405	K.ESTLHLVLR.L	1371.826	0.00074	3	1	35.7	0
P12163_2_F6,20850	K.ESTLHLVLR.L	1371.826	0.00263	3	1	25.3	0
P12163_2_F7,15271	K.ESTLHLVLR.L	1371.826	0.00359	3	1	42.5	0
P12163_1_F2,7835	K.TPGPGAQSALR.A	1358.769	0.00266	3	1	27.6	0
P12163_1_F2,8741	K.TPGPGAQSALR.A	1358.769	0.00518	3	1	28.2	0
P12163_1_F3,8969	K.TPGPGAQSALR.A	1358.769	0.00494	3	1	39.3	0
P12163_1_F4,13534	R.TLADYNIQK.E	1673.968	0.00907	2	1	24.4	0
P12163_1_F4,16519	R.TLADYNIQK.E	1673.968	0.00656	3	1	28.7	0
P12163_1_F4,16540	R.TLADYNIQK.E	1673.968	0.00571	2	1	34.4	0
P12163_1_F5,15308	R.TLADYNIQK.E	1673.968	0.00763	2	1	35.6	0
P12163_1_F9,15481	R.TLADYNIQK.E	1673.968	0.00107	2	1	35.9	0
P12163_1_F9,15483	R.TLADYNIQK.E	1673.968	0.01085	3	1	27.1	0
P12163_2_F1,15639	R.TLADYNIQK.E	1673.968	0.00397	2	1	34.1	0
P12163_2_F9,14704	R.TLADYNIQK.E	1673.968	0.00662	3	1	28.2	0
P12163_1_F2,10421	K.EANSESFVVR.T	1441.759	0.00465	3	1	40	0
P12163_1_F2,10684	K.EANSESFVVR.T	1441.759	0.00429	3	1	50.1	0
P12163_1_F2,10694	K.EANSESFVVR.T	1441.759	0.00239	2	1	25.2	0
P12163_1_F3,10627	K.EANSESFVVR.T	1441.759	0.00288	3	1	39.6	0
P12163_1_F3,11110	K.EANSESFVVR.T	1441.759	0.00315	3	1	37.2	0
P12163_1_F3,13688	K.EANSESFVVR.T	1441.759	0.00339	2	1	32.7	0
P12163_1_F7,21208	K.EIVVVCDPSYSDIFEET	2738.405	0.00275	3	1	39.3	0
P12163_1_F7,20054	K.EIVVVCDPSYSDIFEET	3299.748	0.00751	4	1	35.3	0
P12163_1_F4,16445	K.HPVYITEGSYTNK.V	2230.233	0.00893	3	1	32.5	0
P12163_1_F6,15801	K.HPVYITEGSYTNK.V	2230.233	0.00752	3	1	39.8	0
P12163_1_F7,14927	K.HPVYITEGSYTNK.V	2230.233	0.00334	4	1	32.7	0
P12163_1_F8,15655	K.HPVYITEGSYTNK.V	2230.233	0.00446	4	1	31.4	0
P12163_2_F6,15167	K.HPVYITEGSYTNK.V	2230.233	0.00285	2	1	34.1	0
P12163_2_F6,15187	K.HPVYITEGSYTNK.V	2230.233	0.00317	3	1	60.2	0
P12163_2_F9,14629	K.HPVYITEGSYTNK.V	2230.233	0.011	3	1	66.5	0
P12163_2_F9,14630	K.HPVYITEGSYTNK.V	2230.233	0.00482	4	1	25	0
P12163_1_F3,21343	K.SVSVILLAGGK.G	1652.057	0.00143	2	1	55.1	0
P12163_1_F4,22289	K.SVSVILLAGGK.G	1652.057	0.00443	2	1	63.4	0
P12163_1_F4,22338	K.SVSVILLAGGK.G	1652.057	0.00454	3	1	33.3	0
P12163_2_F1,21769	K.SVSVILLAGGK.G	1652.057	0.00023	2	1	42.8	0
P12163_2_F1,21801	K.SVSVILLAGGK.G	1652.057	0.00361	3	1	29.5	0
P12163_2_F1,20791	K.VLMDALR.V	1121.665	0.00383	2	1	25	0
P12163_1_F3,18512	R.VGAAVLGVPAK.A	1590.02	0.00752	2	1	49.1	0
P12163_1_F3,18517	R.VGAAVLGVPAK.A	1590.02	0.0048	3	1	38.4	0
P12163_1_F3,18999	R.VGAAVLGVPAK.A	1590.02	0.00344	2	1	34.1	0
P12163_1_F4,19027	R.VGAAVLGVPAK.A	1590.02	0.0069	3	1	24.6	0
P12163_1_F4,19051	R.VGAAVLGVPAK.A	1590.02	0.0061	2	1	45.8	0
P12163_1_F6,17654	R.VGAAVLGVPAK.A	1590.02	-0.00048	3	1	42.6	0
P12163_1_F7,17275	R.VGAAVLGVPAK.A	1590.02	0.00447	3	1	39.6	0
P12163_2_F1,18344	R.VGAAVLGVPAK.A	1590.02	0.00795	3	1	30.5	0

P12163_2_F1,18355 R.VGAAVLGVPAK.A	1590.02	0.00848	2	1	32.8	0
P12163_2_F4,16377 R.VGAAVLGVPAK.A	1590.02	0.00105	3	1	37.2	0
P12163_2_F4,16479 R.VGAAVLGVPAK.A	1590.02	0.00276	2	1	48.9	0
P12163_2_F4,16924 R.VGAAVLGVPAK.A	1590.02	0.00411	3	1	52.1	0
P12163_1_F3,16226 K.ASEAAVLEVVQK.N	1852.1	0.00172	3	1	25.7	0
P12163_1_F3,19776 K.ASEAAVLEVVQK.N	1852.1	0.00674	2	1	84.9	0
P12163_1_F3,19833 K.ASEAAVLEVVQK.N	1852.1	0.00775	3	1	43	0
P12163_1_F4,20354 K.ASEAAVLEVVQK.N	1852.1	0.00433	3	1	39.6	0
P12163_1_F4,20392 K.ASEAAVLEVVQK.N	1852.1	-0.00136	2	1	59.3	0
P12163_1_F6,18822 K.ASEAAVLEVVQK.N	1852.1	0.0001	3	1	30.1	0
P12163_2_F1,19803 K.ASEAAVLEVVQK.N	1852.1	0.00424	3	1	45.2	0
P12163_2_F1,19824 K.ASEAAVLEVVQK.N	1852.1	0.00138	2	1	87.9	0
P12163_1_S1,18019 K.EFTDISLGVR.R	1440.8	0.00286	3	1	37	0
P12163_1_S1,18919 K.EFTDISLGVR.R	1440.8	0.0031	3	1	28.4	0
P12163_1_S1,19002 K.EFTDISLGVR.R	1440.8	0.00261	2	1	25.7	0
P12163_1_F2,13492 K.GLTDLVTDTDK.A	1786.005	0.00782	3	1	24.1	0
P12163_1_F2,15080 K.GLTDLVTDTDK.A	1786.005	0.00683	3	1	30	0
P12163_1_F2,18052 K.GLTDLVTDTDK.A	1786.005	0.00818	3	1	39.9	0
P12163_1_F2,18067 K.GLTDLVTDTDK.A	1786.005	0.00557	2	1	64.7	0
P12163_1_F5,9991 K.IHASQIDK.V	1519.905	0.00218	3	1	36.2	0
P12163_1_F5,10008 K.IHASQIDK.V	1519.905	0.00825	2	1	25.1	0
P12163_2_S5,10449 K.IHASQIDK.V	1519.905	0.00611	3	1	42.9	0
P12163_2_S5,10460 K.IHASQIDK.V	1519.905	0.00655	2	1	28.2	0
P12163_1_S1,21823 K.STGPIPPSqliqvvesa	2530.47	0.00686	3	1	28	0
P12163_1_S1,23280 K.STGPIPPSqliqvvesa	2530.47	0.00642	4	1	24.4	0
P12163_1_S1,23336 K.STGPIPPSqliqvvesa	2530.47	0.00833	3	1	53.7	0
P12163_1_S1,23601 K.STGPIPPSqliqvvesa	2530.47	0.00476	3	1	36	0
P12163_1_S1,23813 K.STGPIPPSqliqvvesa	2530.47	0.00935	3	1	46.2	0
P12163_1_S1,24018 K.STGPIPPSqliqvvesa	2530.47	0.01049	3	1	32.4	0
P12163_1_F8,11429 K.TGAEVVM*DAVNKPR	2111.174	0.00561	3	1	31.3	0
P12163_1_F8,14263 K.TGAEVVM*DAVNKPR	2111.174	-0.00203	2	1	35	0
P12163_2_F6,16003 K.TGAEVVM*DAVNKPR	2111.174	0.00371	2	1	37.4	0
P12163_1_F8,13733 K.TGAEVVMDAVNKPR.I	2095.179	0.00405	3	1	39.2	0
P12163_2_F6,16023 K.TGAEVVMDAVNKPR.I	2095.179	0.00666	3	1	27.4	0
P12163_1_F6,14708 R.SVLVSNgalhak.L	1804.09	0.00594	3	1	32.8	0
P12163_1_F8,14601 R.SVLVSNgalhak.L	1804.09	0.00384	3	1	26.9	0
P12163_2_F6,14046 R.SVLVSNgalhak.L	1804.09	0.00585	3	1	26.3	0
P12163_1_F6,11472 K.DLAEEHYK.D	1612.879	0.00592	3	1	42.7	0
P12163_1_F7,10871 K.DLAEEHYK.D	1612.879	0.00487	3	1	45.4	0
P12163_1_F9,11304 K.DLAEEHYK.D	1612.879	0.00472	3	1	41.7	0
P12163_1_F9,11459 K.DLAEEHYK.D	1612.879	0.00378	2	1	31.5	0
P12163_1_S10,1201 K.DLAEEHYK.D	1612.879	0.0073	3	1	31	0
P12163_2_F10,1060 K.DLAEEHYK.D	1612.879	0.00244	3	1	37	0
P12163_2_F6,11123 K.DLAEEHYK.D	1612.879	0.00588	2	1	32.2	0
P12163_2_F7,10614 K.DLAEEHYK.D	1612.879	0.00475	3	1	43.8	0
P12163_2_F9,11011 K.DLAEEHYK.D	1612.879	-0.00292	2	1	24.7	0
P12163_2_F1,20086 K.LIGSTDPLQAEPGTIR.C	1972.102	-0.00392	3	1	23.7	0
P12163_1_F4,24351 R.EIGLWFK.E	1500.903	0.00426	2	1	26.9	0
P12163_1_F5,22771 R.EIGLWFK.E	1500.903	0.00744	2	1	25.6	0
P12163_2_F1,23662 R.EIGLWFK.E	1500.903	0.0067	2	1	24.4	0
P12163_1_F2,8933 R.GDLAVQTGR.N	1220.69	0.00214	3	1	51.2	0

P12163_1_F2,9167	R.GDLAVQTGR.N	1220.69	0.00304	3	1	37.8	0
P12163_1_F2,9419	R.GDLAVQTGR.N	1220.69	0.00466	3	1	28.5	0
P12163_1_F2,19101	R.GLVGEIISR.F	1247.762	0.00205	3	1	36.6	0
P12163_1_S1,18849	R.GLVGEIISR.F	1247.762	0.0051	2	1	24.4	0
P12163_1_F8,15702	R.KLIGSTDPLQAEPGTIR	2404.402	0.00478	3	1	28.6	0
P12163_1_F8,15730	R.KLIGSTDPLQAEPGTIR	2404.402	0.00565	4	1	28	0
P12163_1_F8,17509	R.KLIGSTDPLQAEPGTIR	2404.402	0.00556	3	1	74.9	0
P12163_2_F6,17000	R.KLIGSTDPLQAEPGTIR	2404.402	0.00355	3	1	66.5	0
P12163_2_S5,15969	R.KLIGSTDPLQAEPGTIR	2404.402	0.00277	4	1	31.8	0
P12163_2_S5,16007	R.KLIGSTDPLQAEPGTIR	2404.402	0.001	3	1	59.1	0
P12163_1_F4,9083	R.NVVHGS DSPEN GK.R	1948.034	0.00399	3	1	54.7	0
P12163_1_F6,8782	R.NVVHGS DSPEN GK.R	1948.034	0.00358	2	1	39	0
P12163_1_F7,8356	R.NVVHGS DSPEN GK.R	1948.034	0.00573	3	1	31.3	0
P12163_2_F6,7066	R.NVVHGS DSPEN GK.R	1948.034	0.0051	3	1	23	0
P12163_2_F6,8452	R.NVVHGS DSPEN GK.R	1948.034	-0.00081	3	1	34.2	0
P12163_2_F6,8504	R.NVVHGS DSPEN GK.R	1948.034	0.00264	2	1	41.8	0
P12163_2_F7,7979	R.NVVHGS DSPEN GK.R	1948.034	0.00648	3	1	42.8	0
P12163_1_F4,20417	K.DALLNSLPK.L	1578.967	0.00542	3	1	32.8	0
P12163_1_F4,20443	K.DALLNSLPK.L	1578.967	0.0083	2	1	34.5	0
P12163_1_F4,20705	K.DALLNSLPK.L	1578.967	0.00326	3	1	25.4	0
P12163_1_F4,20712	K.DALLNSLPK.L	1578.967	0.00418	2	1	26.7	0
P12163_2_F1,19837	K.DALLNSLPK.L	1578.967	0.0035	2	1	32.6	0
P12163_2_F1,19844	K.DALLNSLPK.L	1578.967	0.00605	3	1	32.5	0
P12163_2_F4,17651	K.DALLNSLPK.L	1578.967	0.00056	3	1	22.5	0
P12163_1_F3,17562	K.QIPGGVTAAEGFK.A	1883.085	0.01018	3	1	30.7	0
P12163_1_F3,17563	K.QIPGGVTAAEGFK.A	1883.085	-0.00175	2	1	26	0
P12163_1_F4,18026	K.QIPGGVTAAEGFK.A	1883.085	0.00616	3	1	43	0
P12163_1_F4,18066	K.QIPGGVTAAEGFK.A	1883.085	0.00315	2	1	46	0
P12163_2_F1,17371	K.QIPGGVTAAEGFK.A	1883.085	-0.00509	2	1	49.5	0
P12163_2_F4,15635	K.QIPGGVTAAEGFK.A	1883.085	0.00094	3	1	27.3	0
P12163_1_F8,16100	K.SVAVESQVGGTYIR.V	1769.97	0.01139	2	1	25.2	0
P12163_1_S1,10498	K.SVAVESQVGGTYIR.V	1769.97	0.00084	3	1	30.8	0
P12163_1_S1,12574	K.SVAVESQVGGTYIR.V	1769.97	0.00147	3	1	47.5	0
P12163_1_S1,15286	K.SVAVESQVGGTYIR.V	1769.97	0.00359	2	1	40.1	0
P12163_1_S1,15299	K.SVAVESQVGGTYIR.V	1769.97	0.00279	3	1	59.7	0
P12163_2_F6,15580	K.SVAVESQVGGTYIR.V	1769.97	0.00347	2	1	40.6	0
P12163_1_F3,21911	R.IAAAAGYAGVSFYQNI	2239.233	0.00562	3	1	57	0
P12163_1_F3,21968	R.IAAAAGYAGVSFYQNI	2239.233	0.00291	2	1	76.8	0
P12163_1_F4,22611	R.IAAAAGYAGVSFYQNI	2239.233	0.00565	3	1	63.1	0
P12163_1_F4,12957	R.LSSVDCNEAK.Q	1730.92	0.00665	2	1	47.1	0
P12163_2_F1,11928	R.LSSVDCNEAK.Q	1730.92	0.00989	2	1	48.4	0
P12163_2_F1,11970	R.LSSVDCNEAK.Q	1730.92	0.00408	3	1	29.5	0
P12163_1_F4,13730	R.SVASSSLVK.A	1485.91	0.00233	2	1	26.1	0
P12163_1_F5,12277	R.SVASSSLVK.A	1485.91	-0.00017	2	1	38.6	0
P12163_2_F2,13110	R.SVASSSLVK.A	1485.91	0.00655	2	1	34.5	0
P12163_2_F2,13117	R.SVASSSLVK.A	1485.91	0.00276	3	1	41	0
P12163_2_F1,10077	R.VTGANSEAEAAK.I	1755.97	0.00594	2	1	54.4	0
P12163_1_F8,17204	K.DVDGFHPLNIGR.L	1643.881	0.00077	3	1	36.9	0
P12163_1_F8,17562	K.DVDGFHPLNIGR.L	1643.881	0.00539	3	1	23.7	0
P12163_1_F8,17616	K.DVDGFHPLNIGR.L	1643.881	0.00029	2	1	31.4	0
P12163_1_F8,17773	K.DVDGFHPLNIGR.L	1643.881	0.00128	3	1	22.8	0

P12163_2_F6,17074	K.DVDGFHPLNIGR.L	1643.881	0.00758	3	1	36.8	0
P12163_2_F6,17078	K.DVDGFHPLNIGR.L	1643.881	0.00271	2	1	27.8	0
P12163_2_F6,17286	K.DVDGFHPLNIGR.L	1643.881	0.00149	3	1	28.2	0
P12163_2_S5,16226	K.DVDGFHPLNIGR.L	1643.881	0.00197	3	1	32.8	0
P12163_2_S5,16449	K.DVDGFHPLNIGR.L	1643.881	-0.00001	3	1	24.2	0
P12163_1_F7,13467	K.GCIELLHR.Y	1301.73	0.00249	3	1	42.3	0
P12163_1_F9,14400	K.GCIELLHR.Y	1301.73	0.00243	3	1	45.7	0
P12163_2_F6,13999	K.GCIELLHR.Y	1301.73	0.0033	3	1	39.2	0
P12163_2_F7,12954	K.GCIELLHR.Y	1301.73	0.00306	3	1	27.6	0
P12163_1_S1,11392	R.DEITGEVSR.M	1309.69	0.00255	2	1	29.5	0
P12163_1_S1,11630	R.DEITGEVSR.M	1309.69	0.00311	2	1	26.2	0
P12163_1_F6,12222	R.EDATVSIVHSR.T	1517.822	0.002	3	1	71.1	0
P12163_1_F8,11982	R.EDATVSIVHSR.T	1517.822	0.00125	3	1	43.3	0
P12163_2_F6,8792	R.EDATVSIVHSR.T	1517.822	0.00156	4	1	33.4	0
P12163_2_F6,11732	R.EDATVSIVHSR.T	1517.822	0.00101	3	1	48.8	0
P12163_1_F7,23867	R.M*KDAIGVVPGLAVIL	2547.515	0.00045	3	1	33.7	0
P12163_1_S1,17987	R.SNIVGM*PAALLLQR.E	1803.046	0.00304	3	1	29	0
P12163_1_S1,20200	R.SNIVGM*PAALLLQR.E	1803.046	0.00241	3	1	52	0
P12163_1_S1,23130	R.SNIVGM*PAALLLQR.E	1803.046	0.00298	3	1	37.5	0
P12163_1_S1,23044	R.SNIVGMPAALLLQR.E	1787.051	0.00133	3	1	32.4	0
P12163_1_S1,23094	R.SNIVGMPAALLLQR.E	1787.051	0.00432	2	1	24.6	0
P12163_1_S1,23266	R.SNIVGMPAALLLQR.E	1787.051	0.00187	3	1	64.6	0
P12163_1_S1,23317	R.SNIVGMPAALLLQR.E	1787.051	0.00418	2	1	34.9	0
P12163_1_S1,23517	R.SNIVGMPAALLLQR.E	1787.051	-0.00239	3	1	27.8	0
P12163_1_F5,8559	R.VHNFQ.-	948.5204	0.00284	2	1	28.5	0
P12163_2_S3,9238	R.VHNFQ.-	948.5204	0.00126	2	1	28.7	0
P12163_1_F5,16986	K.FADENFVK.K	1577.878	0.00131	2	1	24.7	0
P12163_2_F1,17475	K.FADENFVK.K	1577.878	0.00648	2	1	35	0
P12163_2_F1,17492	K.FADENFVK.K	1577.878	0.00631	3	1	25.8	0
P12163_1_F2,6171	K.GSSFHR.I ! K.GSSFHR.	994.5372	0.00346	3	1	23.2	0
P12163_2_F2,6195	K.GSSFHR.I ! K.GSSFHR.	994.5372	0.00151	3	1	32	0
P12163_1_F8,20359	K.HVVFGQVVEGM*DVV	2267.268	0.00341	4	1	40.4	0
P12163_1_F8,20445	K.HVVFGQVVEGM*DVV	2267.268	0.0065	3	1	68.5	0
P12163_2_F6,16826	K.HVVFGQVVEGM*DVV	2267.268	0.01274	3	1	51.7	0
P12163_2_F6,20022	K.HVVFGQVVEGM*DVV	2267.268	0.0059	3	1	64.1	0
P12163_2_F6,20081	K.HVVFGQVVEGM*DVV	2267.268	0.00281	4	1	40.4	0
P12163_1_F8,20352	K.HVVFGQVVEGM*DVV	2251.273	0.00389	3	1	24.7	0
P12163_2_F6,19924	K.HVVFGQVVEGM*DVV	2251.273	0.00338	3	1	36.8	0
P12163_2_F6,19927	K.HVVFGQVVEGM*DVV	2251.273	0.00201	4	1	27.8	0
P12163_2_F6,19968	K.HVVFGQVVEGM*DVV	2251.273	-0.0008	2	1	62.7	0
P12163_2_F8_12070	K.HVVFGQVVEGM*DVV	2251.273	0.00971	3	1	39.8	0
P12163_1_F4,7410	K.TAENFR.Q ! K.TAENFR.	1041.563	0.00249	3	1	33.7	0
P12163_2_F2,7039	K.TAENFR.Q ! K.TAENFR.	1041.563	0.00225	3	1	31.4	0
P12163_2_F1,17341	K.TEWLDGK.H	1456.826	0.00323	2	1	25.6	0
P12163_2_F1,17349	K.TEWLDGK.H	1456.826	0.00412	3	1	22.3	0
P12163_1_F5,9906	R.ALCTGEK.G	1386.787	0.00705	2	1	26.7	0
P12163_1_F6,10902	R.ALCTGEK.G	1386.787	0.01195	2	1	26.2	0
P12163_1_F8,10102	R.ALCTGEK.G	1386.787	0.00237	2	1	27.1	0
P12163_2_F2,10720	R.ALCTGEK.G	1386.787	0.00655	2	1	27	0
P12163_2_F2,10838	R.ALCTGEK.G	1386.787	0.00185	3	1	29.9	0
P12163_2_F2,11178	R.ALCTGEK.G	1386.787	0.00683	2	1	26.2	0

P12163_1_F4,16637 R.TNKPVVIADCGQLS.-	2110.179	0.00505	2	1	58.9	0
P12163_2_F1,15898 R.TNKPVVIADCGQLS.-	2110.179	0.00519	2	1	38.4	0
P12163_2_F1,15983 R.TNKPVVIADCGQLS.-	2110.179	0.0055	3	1	26.8	0
P12163_2_F4,14509 R.TNKPVVIADCGQLS.-	2110.179	0.0046	3	1	30.5	0
P12163_1_F3,21625 K.IVTEILPAK.R ! K.IVTE	1592.024	0.00544	2	1	32	0
P12163_1_F3,21639 K.IVTEILPAK.R ! K.IVTE	1592.024	0.0033	3	1	38.8	0
P12163_1_F3,21850 K.IVTEILPAK.R ! K.IVTE	1592.024	0.0056	2	1	38.2	0
P12163_1_F3,21881 K.IVTEILPAK.R ! K.IVTE	1592.024	0.00393	3	1	38.9	0
P12163_1_F5,21296 K.IVTEILPAK.R ! K.IVTE	1592.024	0.00645	2	1	26	0
P12163_1_F5,21310 K.IVTEILPAK.R ! K.IVTE	1592.024	-0.00024	3	1	25	0
P12163_1_F6,20695 K.IVTEILPAK.R ! K.IVTE	1592.024	0.00367	2	1	32.6	0
P12163_1_F6,20736 K.IVTEILPAK.R ! K.IVTE	1592.024	0.00153	3	1	30.8	0
P12163_2_F4,19880 K.IVTEILPAK.R ! K.IVTE	1592.024	0.00513	3	1	29.3	0
P12163_2_F4,14383 K.TEVGYSQLHNPYSYI	3716.719	0.00088	4	1	51	0
P12163_1_F6,12759 R.AEEYHQQYLAK.G	1988.07	0.00619	3	1	38.8	0
P12163_2_F6,12150 R.AEEYHQQYLAK.G	1988.07	0.00721	3	1	43.2	0
P12163_2_F6,12195 R.AEEYHQQYLAK.G	1988.07	0.0015	2	1	56.5	0
P12163_2_F6,12202 R.AEEYHQQYLAK.G	1988.07	0.0001	2	1	70	0
P12163_2_F7,11604 R.AEEYHQQYLAK.G	1988.07	0.00937	3	1	29.1	0
P12163_1_F9,9175 R.HDPTMLNR.Q	1287.678	0.00393	3	1	33.8	0
P12163_2_F9,9159 R.HDPTMLNR.Q	1287.678	0.00234	3	1	30.1	0
P12163_1_F3,6796 R.QGNDVGTQYR.S	1441.734	0.00256	3	1	27.2	0
P12163_1_F3,8275 R.QGNDVGTQYR.S	1441.734	0.0028	2	1	36.1	0
P12163_1_F4,8794 R.QGNDVGTQYR.S	1441.734	0.00316	2	1	30	0
P12163_2_F1,7855 R.QGNDVGTQYR.S	1441.734	0.00594	2	1	26	0
P12163_1_F3,18593 R.SGIYFYTPEQEK.A	2070.1	0.00367	2	1	34.3	0
P12163_1_F4,19036 R.SGIYFYTPEQEK.A	2070.1	0.00886	3	1	30.5	0
P12163_1_F4,19042 R.SGIYFYTPEQEK.A	2070.1	0.00753	2	1	37.4	0
P12163_1_F9,17560 R.SGIYFYTPEQEK.A	2070.1	0.00826	3	1	25.7	0
P12163_2_F1,18293 R.SGIYFYTPEQEK.A	2070.1	0.00301	3	1	31.5	0
P12163_2_F1,18330 R.SGIYFYTPEQEK.A	2070.1	0.00381	2	1	33.7	0
P12163_2_F9,16838 R.SGIYFYTPEQEK.A	2070.1	0.00865	3	1	25.1	0
P12163_1_F5,11930 R.VPGVTK.T	1208.782	0.00861	3	1	27.4	0
P12163_1_F4,9908 K.ADVTEGSAK.L	1485.837	0.00656	2	1	41.2	0
P12163_2_F1,9030 K.ADVTEGSAK.L	1485.837	0.00646	2	1	40.5	0
P12163_1_F4,15453 K.IFVAGATGSSGK.R	1702.995	0.00184	3	1	47.1	0
P12163_1_F3,13297 K.SEITEEAENVSVK.Q	2172.149	0.00973	3	1	49.2	0
P12163_1_F3,15686 K.SEITEEAENVSVK.Q	2172.149	0.00205	3	1	24	0
P12163_1_F3,16509 K.SEITEEAENVSVK.Q	2172.149	-0.00788	2	1	55.8	0
P12163_1_F3,16660 K.SEITEEAENVSVK.Q	2172.149	0.00217	3	1	41.4	0
P12163_1_F8,17670 K.SGINYTIIRPGGLR.N	1821.065	0.00323	3	1	25.1	0
P12163_1_F7,23698 R.DQVAEVAVEALLHPE!	2693.461	0.00515	3	1	22.3	0
P12163_1_F7,23740 R.DQVAEVAVEALLHPE!	2693.461	0.00636	4	1	25.9	0
P12163_2_F10,2143 R.DQVAEVAVEALLHPE!	2693.461	-0.00188	4	1	48.1	0
P12163_2_F8_12070 R.DQVAEVAVEALLHPE!	2693.461	0.00388	4	1	53.4	0
P12163_1_F4,25151 R.IVEQLLAK.G	1521.982	0.00419	2	1	36.6	0
P12163_1_F4,25345 R.IVEQLLAK.G	1521.982	0.00549	3	1	29.6	0
P12163_1_F4,25391 R.IVEQLLAK.G	1521.982	0.00797	2	1	32.4	0
P12163_1_F7,22157 R.IVEQLLAK.G	1521.982	0.00213	3	1	21.9	0
P12163_2_F1,24471 R.IVEQLLAK.G	1521.982	0.00498	3	1	36.7	0
P12163_2_F1,24474 R.IVEQLLAK.G	1521.982	0.00528	2	1	38.1	0

P12163_2_F1,24677 R.IVEQLLAK.G	1521.982	0.00477	3	1	29.8	0
P12163_2_F1,24687 R.IVEQLLAK.G	1521.982	0.0061	2	1	32.4	0
P12163_1_F4,19346 R.SYEDLFGSIK.Q	1766.978	0.00795	2	1	27.9	0
P12163_1_F4,19356 R.SYEDLFGSIK.Q	1766.978	0.00696	3	1	33.3	0
P12163_1_F4,22488 R.SYEDLFGSIK.Q	1766.978	0.01257	2	1	47.9	0
P12163_1_F4,22615 R.SYEDLFGSIK.Q	1766.978	0.00783	3	1	39.7	0
P12163_1_F9,20553 R.SYEDLFGSIK.Q	1766.978	0.00925	2	1	39.5	0
P12163_1_F9,20566 R.SYEDLFGSIK.Q	1766.978	0.01104	3	1	22.4	0
P12163_2_F1,21994 R.SYEDLFGSIK.Q	1766.978	0.00609	2	1	58.2	0
P12163_2_F9,19500 R.SYEDLFGSIK.Q	1766.978	0.00663	3	1	27.4	0
P12163_2_F1,10387 K.AASWNAENR.Q	1322.675	0.00635	2	1	28.9	0
P12163_2_F2,10593 K.AASWNAENR.Q	1322.675	0.00375	2	1	38	0
P12163_1_F3,20028 K.AITEGGFESLFK.Q	1907.073	0.00746	2	1	31.8	0
P12163_1_F3,20071 K.AITEGGFESLFK.Q	1907.073	0.00493	3	1	47.2	0
P12163_1_F3,23870 K.AITEGGFESLFK.Q	1907.073	0.00748	3	1	50.2	0
P12163_1_F4,24693 K.AITEGGFESLFK.Q	1907.073	0.00757	3	1	41.7	0
P12163_1_F5,23105 K.AITEGGFESLFK.Q	1907.073	0.00724	3	1	35.6	0
P12163_1_F6,22448 K.AITEGGFESLFK.Q	1907.073	0.00166	3	1	40.9	0
P12163_2_F1,24031 K.AITEGGFESLFK.Q	1907.073	0.0016	3	1	44.3	0
P12163_1_F6,18154 K.ATNHLLNSLSEYR.A	1821.976	0.00186	3	1	30.7	0
P12163_1_F6,18175 K.ATNHLLNSLSEYR.A	1821.976	0.00485	2	1	27.3	0
P12163_1_F8,18053 K.ATNHLLNSLSEYR.A	1821.976	-0.00057	3	1	36.5	0
P12163_2_F6,17511 K.ATNHLLNSLSEYR.A	1821.976	0.00261	3	1	34.2	0
P12163_2_F6,17529 K.ATNHLLNSLSEYR.A	1821.976	0.00075	2	1	31.5	0
P12163_2_S3,15994 K.ATNHLLNSLSEYR.A	1821.976	0.00231	3	1	29.2	0
P12163_1_F3,15244 K.QIFATDPNEK.L	1770.985	0.00496	3	1	41.1	0
P12163_1_F3,15246 K.QIFATDPNEK.L	1770.985	0.00714	2	1	35	0
P12163_1_F4,15506 K.QIFATDPNEK.L	1770.985	0.0178	3	1	38.6	0
P12163_1_F4,15569 K.QIFATDPNEK.L	1770.985	0.0036	2	1	40.5	0
P12163_2_F1,13227 K.TGPSVSEAAWGK.V	1797.996	0.00641	2	1	32.4	0
P12163_1_S1,21799 K.VM*IPLANISSVNPVTI	2420.441	0.00835	3	1	42	0
P12163_1_S1,21839 K.VM*IPLANISSVNPVTI	2420.441	0.00587	4	1	75.1	0
P12163_1_S1,21947 K.VM*IPLANISSVNPVTI	2420.441	0.0091	3	1	56.8	0
P12163_1_S1,23675 K.VM*IPLANISSVNPVTI	2420.441	0.00553	3	1	27.1	0
P12163_1_S1,23558 K.VMIPLANISSVNPVTI	2404.446	0.00651	4	1	36.1	0
P12163_1_S1,23577 K.VMIPLANISSVNPVTI	2404.446	0.00871	3	1	67.3	0
P12163_1_S10,1597 R.NIWHNLK.T	1532.916	0.00765	3	1	32.8	0
P12163_2_F8_12070 R.NIWHNLK.T	1532.916	0.0039	3	1	31.5	0
P12163_1_F4,10869 K.AAIEAQDSNK.L	1654.922	0.01098	2	1	38.7	0
P12163_1_F4,10884 K.AAIEAQDSNK.L	1654.922	0.01516	3	1	32.5	0
P12163_1_F5,9478 K.AAIEAQDSNK.L	1654.922	0.0094	2	1	35.1	0
P12163_2_F1,10103 K.AAIEAQDSNK.L	1654.922	0.00538	2	1	39.7	0
P12163_1_F3,19757 K.FLADPDAYK.A	1647.92	0.00639	2	1	25.5	0
P12163_1_F4,20229 K.FLADPDAYK.A	1647.92	0.00759	2	1	33.3	0
P12163_1_F5,18998 K.FLADPDAYK.A	1647.92	-0.00749	2	1	27.9	0
P12163_1_F9,18668 K.FLADPDAYK.A	1647.92	0.00435	2	1	37.3	0
P12163_2_F7,16875 K.FLADPDAYK.A	1647.92	0.00205	2	1	38.1	0
P12163_2_F9,17775 K.FLADPDAYK.A	1647.92	0.00405	3	1	26.4	0
P12163_1_S1,23050 K.LM*EILTYPTVEEAVK	2360.324	0.00537	3	1	37.9	0
P12163_1_S1,23136 K.LM*EILTYPTVEEAVK	2360.324	0.00509	4	1	24.8	0
P12163_2_S5,12696 R.AYGQEVTPHDGNGAD	2626.336	0.00356	4	1	33.8	0

P12163_1_F4,25651 R.CSLVEYILK.E	1733.013	0.00218	2	1	26.2	0
P12163_1_F4,25756 R.CSLVEYILK.E	1733.013	0.00051	3	1	31.3	0
P12163_2_F1,24882 R.CSLVEYILK.E	1733.013	0.00081	3	1	22.1	0
P12163_1_S1,24959 R.QEDSIIFSLLER.A	1753.964	0.0023	3	1	47.6	0
P12163_1_S1,24977 R.QEDSIIFSLLER.A	1753.964	0.00357	2	1	35.8	0
P12163_2_F1,8130 R.VDESENM*K.L	1575.814	0.0023	2	1	25.8	0
P12163_1_F4,11363 R.VDESENMK.L	1559.819	0.01046	2	1	26.5	0
P12163_1_F5,10024 R.VDESENMK.L	1559.819	0.01162	2	1	25.3	0
P12163_2_F1,10485 R.VDESENMK.L	1559.819	0.0083	2	1	26.3	0
P12163_1_F2,20543 K.ALIPDLYR.G	1264.757	0.00392	3	1	25	0
P12163_1_S1,19607 K.ALIPDLYR.G	1264.757	0.00413	3	1	32	0
P12163_1_F7,21325 K.APVQAHFGELDNFVGI	2785.477	0.00317	4	1	27.3	0
P12163_1_F7,21326 K.APVQAHFGELDNFVGI	2785.477	0.00093	3	1	49.8	0
P12163_1_F7,21558 K.APVQAHFGELDNFVGI	2785.477	0.00509	4	1	26	0
P12163_1_F6,17785 K.DIHASVNWLK.A	1791.037	0.00698	3	1	34.8	0
P12163_1_F6,18286 K.EMGM*DDHDPAAVEI	2350.074	0.00591	3	1	22.7	0
P12163_2_F4,17037 K.EMGM*DDHDPAAVEI	2350.074	0.00321	3	1	27.2	0
P12163_1_F6,19406 K.EMGMDDHDPAAVEI	2334.08	0.00213	3	1	32.6	0
P12163_1_F4,18889 K.ISQLNPGFK.A	1611.968	0.00687	2	1	33	0
P12163_1_F5,17567 K.ISQLNPGFK.A	1611.968	0.00441	2	1	38.5	0
P12163_1_F5,17634 K.ISQLNPGFK.A	1611.968	0.00664	3	1	42.6	0
P12163_1_F7,16716 K.ISQLNPGFK.A	1611.968	-0.00217	2	1	24	0
P12163_2_F1,18117 K.ISQLNPGFK.A	1611.968	0.00719	2	1	28.2	0
P12163_2_F1,18157 K.ISQLNPGFK.A	1611.968	0.00502	3	1	40.7	0
P12163_2_F2,18393 K.ISQLNPGFK.A	1611.968	0.00511	3	1	34.8	0
P12163_1_F6,20907 K.VGLDTAEAQHLM*SG	2919.549	0.00238	3	1	42.1	0
P12163_1_F7,22820 K.VGLDTAEAQHLM*SG	2919.549	0.00554	4	1	41.9	0
P12163_1_F7,22832 K.VGLDTAEAQHLM*SG	2919.549	-0.00302	3	1	45.8	0
P12163_1_S1,17236 R.DDTTFDAYVVGK.E	1939.027	0.01378	3	1	37.9	0
P12163_2_F6,17500 R.DDTTFDAYVVGK.E	1939.027	0.00306	2	1	47.1	0
P12163_1_F4,18557 K.AKELESLSSEPGSVDD	2271.181	0.00482	2	1	62.9	0
P12163_1_F6,21364 K.GDFFFSPEHPPLTEDA	2541.235	0.0033	3	1	29.1	0
P12163_1_F6,22860 K.GDFFFSPEHPPLTEDA	2541.235	0.00054	3	1	28.5	0
P12163_1_F6,23071 K.GDFFFSPEHPPLTEDA	2541.235	0.00555	3	1	23.8	0
P12163_1_F7,22112 K.GDFFFSPEHPPLTEDA	2541.235	0.00369	3	1	26.4	0
P12163_2_F10,20270 K.GDFFFSPEHPPLTEDA	2541.235	0.00372	3	1	49.3	0
P12163_2_F8_12070 K.GDFFFSPEHPPLTEDA	2541.235	0.0078	3	1	23.1	0
P12163_2_F8_12070 K.GDFFFSPEHPPLTEDA	2541.235	-0.00051	4	1	31.1	0
P12163_2_F8_12070 K.GDFFFSPEHPPLTEDA	2541.235	0.0036	3	1	63	0
P12163_1_F3,26792 K.ILAALGFSDEK.A	1772.041	0.00889	3	1	49.1	0
P12163_1_F4,27613 K.ILAALGFSDEK.A	1772.041	0.00592	3	1	47.9	0
P12163_1_F4,27614 K.ILAALGFSDEK.A	1772.041	0.00562	2	1	49.2	0
P12163_1_F2,14897 K.SFAMGELEAR.K	1414.73	0.00175	3	1	31.2	0
P12163_1_F2,17660 K.SFAMGELEAR.K	1414.73	0.00714	2	1	36.8	0
P12163_1_F5,16889 R.ANGVTLFK.V	1457.894	0.00462	3	1	38.1	0
P12163_2_F2,17622 R.ANGVTLFK.V	1457.894	0.00631	2	1	25	0
P12163_2_F2,7555 R.SNSAVSNEK.A	1543.854	0.00918	2	1	52.5	0
P12163_2_F6,19381 R.VIDWAVDHK.L	1690.974	0.00549	3	1	23.9	0
P12163_2_F6,19396 R.VIDWAVDHK.L	1690.974	0.00114	2	1	28.7	0
P12163_2_F6,19553 R.VIDWAVDHK.L	1690.974	0.00551	4	1	25.2	0
P12163_2_F6,19617 R.VIDWAVDHK.L	1690.974	0.00429	3	1	42	0

P12163_1_F4,23324	K.EFFEVLK.T	1519.898	0.00599	3	1	22.2	0
P12163_1_F4,23332	K.EFFEVLK.T	1519.898	0.00706	2	1	24.5	0
P12163_1_F5,21923	K.EFFEVLK.T	1519.898	0.00454	2	1	29.8	0
P12163_2_S5,19888	K.EFFEVLK.T	1519.898	0.00386	3	1	23.9	0
P12163_1_F5,22646	K.FIAWVK.R	1371.861	0.00773	2	1	27.1	0
P12163_1_F4,15316	K.FNVEAECPK.F	1701.909	0.00855	2	1	33.4	0
P12163_1_F4,15354	K.FNVEAECPK.F	1701.909	0.00831	3	1	39.1	0
P12163_1_F5,14108	K.FNVEAECPK.F	1701.909	0.00876	2	1	42.9	0
P12163_2_F1,14271	K.FNVEAECPK.F	1701.909	0.00897	2	1	42.3	0
P12163_1_F5,6585	K.GEEQEAAK.K	1469.806	0.00694	2	1	25.7	0
P12163_2_F1,6996	K.GEEQEAAK.K	1469.806	0.00682	2	1	26	0
P12163_2_F1,7005	K.GEEQEAAK.K	1469.806	0.00539	3	1	29.6	0
P12163_1_F5,14792	K.IALAEK.G ! R.IALAEK	1252.808	0.0024	3	1	27.8	0
P12163_2_F2,15557	K.IALAEK.G ! R.IALAEK	1252.808	0.00408	3	1	25.9	0
P12163_1_F8,16648	K.SPLLLQM*NPVHK.K	2001.177	0.00264	3	1	43.3	0
P12163_1_F8,19531	K.SPLLLQM*NPVHK.K	2001.177	0.00498	3	1	31.7	0
P12163_2_F6,16142	K.SPLLLQM*NPVHK.K	2001.177	0.00801	3	1	47.9	0
P12163_1_F8,19534	K.SPLLLQMNPVHK.K	1985.183	0.00384	3	1	63.3	0
P12163_1_F8,19539	K.SPLLLQMNPVHK.K	1985.183	0.00528	4	1	31.7	0
P12163_2_F6,18980	K.SPLLLQMNPVHK.K	1985.183	0.00396	4	1	29.5	0
P12163_1_F7,23719	R.FWVDFIDK.K	1677.946	0.00328	3	1	22.4	0
P12163_1_F3,12212	K.CPMAGTFYR.S ! K.CPM	1406.686	0.00239	3	1	27.9	0
P12163_1_S1,17899	K.QLDCELIIR.K	1463.819	0.00598	2	1	26	0
P12163_1_S1,17924	K.QLDCELIIR.K	1463.819	0.00496	3	1	45.1	0
P12163_1_F4,15531	K.SSLPPLK.C	1349.861	0.0059	2	1	30.9	0
P12163_1_F3,19839	R.DIVELQLK.Q	1565.972	0.00192	3	1	30.9	0
P12163_1_F3,19848	R.DIVELQLK.Q	1565.972	0.00546	2	1	38.7	0
P12163_1_F4,20459	R.DIVELQLK.Q	1565.972	0.00568	2	1	37.9	0
P12163_1_F4,20568	R.DIVELQLK.Q	1565.972	0.00633	3	1	43	0
P12163_2_F1,19881	R.DIVELQLK.Q	1565.972	0.00596	2	1	47.4	0
P12163_2_F4,17569	R.DIVELQLK.Q	1565.972	0.00126	3	1	32.2	0
P12163_1_F3,24856	R.KPVSVDTPLFVIEP.-	2149.273	0.00097	2	1	27.9	0
P12163_1_F6,23414	R.KPVSVDTPLFVIEP.-	2149.273	-0.00092	3	1	22.7	0
P12163_1_S1,13755	R.SGTIVEIIAEDR.K	1606.895	0.00275	3	1	44.9	0
P12163_1_S1,20987	R.SGTIVEIIAEDR.K	1606.895	-0.00042	2	1	55.6	0
P12163_1_S1,21047	R.SGTIVEIIAEDR.K	1606.895	0.00221	3	1	46.7	0
P12163_1_F3,16217	R.SPAPGEPFVK.V	1734.005	0.005	2	1	30.2	0
P12163_1_F3,16258	R.SPAPGEPFVK.V	1734.005	0.00625	3	1	27.4	0
P12163_1_F4,16670	R.SPAPGEPFVK.V	1734.005	0.01202	2	1	35	0
P12163_2_F1,15855	R.SPAPGEPFVK.V	1734.005	0.00546	2	1	51.5	0
P12163_2_F1,15865	R.SPAPGEPFVK.V	1734.005	0.0034	3	1	26.9	0
P12163_2_F2,238	R.SPAPGEPFVK.V	1734.005	0.0013	3	1	22.7	0
P12163_1_F3,11914	K.AQVQSYAGESEAAIK.!	2160.176	0.00658	3	1	49.5	0
P12163_1_F3,12815	K.AQVQSYAGESEAAIK.!	2160.176	0.00427	3	1	30.3	0
P12163_1_F3,15225	K.AQVQSYAGESEAAIK.!	2160.176	0.00323	2	1	92.3	0
P12163_1_F4,15789	K.AQVQSYAGESEAAIK.!	2160.176	0.00385	3	1	50.3	0
P12163_1_F3,19987	K.GFEEILR.K	1167.667	0.00261	2	1	27.7	0
P12163_1_S10,6859	K.HSEALR.V	1016.579	0.00228	3	1	25.6	0
P12163_2_F8_12070	K.HSEALR.V	1016.579	0.00171	3	1	26.9	0
P12163_1_F4,21690	K.LLIAQIK.V	1406.955	0.00806	2	1	30.9	0
P12163_1_F4,21692	K.LLIAQIK.V	1406.955	0.00892	3	1	28.4	0

P12163_1_F7,19314	K.LLIAQIK.V	1406.955	0.00169	3	1	28.2	0
P12163_2_F1,21287	K.LLIAQIK.V	1406.955	0.00526	2	1	29.9	0
P12163_2_F2,21228	K.LLIAQIK.V	1406.955	0.00094	3	1	22.2	0
P12163_2_F2,21235	K.LLIAQIK.V	1406.955	0.00632	2	1	29.3	0
P12163_2_S5,18221	K.LLIAQIK.V	1406.955	-0.00029	3	1	26.8	0
P12163_1_F4,11563	R.EDVSYEEK.E	1606.842	0.00641	2	1	36.5	0
P12163_1_F3,20527	R.EYFVDNMVATK.I	1925.03	0.00858	2	1	70.7	0
P12163_1_F3,20543	R.EYFVDNMVATK.I	1925.03	0.00272	3	1	42.2	0
P12163_1_F9,19586	R.EYFVDNMVATK.I	1925.03	0.00617	3	1	28.9	0
P12163_1_F7,16706	R.VEAYHGLVM*AYDGS	2379.211	0.00451	3	1	32.6	0
P12163_1_F7,17856	R.VEAYHGLVMAYDGS	2363.216	0.00209	3	1	27.3	0
P12163_2_F4,17447	R.VEAYHGLVMAYDGS	2363.216	0.00092	3	1	32.7	0
P12163_1_F7,16961	K.GMSEFHDVELQVR.D	1850.937	0.00341	3	1	35	0
P12163_1_F8,15671	K.LPNHEPILEAK.G	1869.105	0.00349	3	1	22.3	0
P12163_1_F8,15710	K.LPNHEPILEAK.G	1869.105	0.00521	4	1	22.3	0
P12163_2_F6,15151	K.LPNHEPILEAK.G	1869.105	-0.00698	3	1	29.5	0
P12163_2_F6,15166	K.LPNHEPILEAK.G	1869.105	-0.00192	2	1	27.1	0
P12163_2_F6,15211	K.LPNHEPILEAK.G	1869.105	0.00535	3	1	38.7	0
P12163_1_F6,19196	R.DYELDQYGVVNNAVY	3025.405	0.00201	3	1	68.4	0
P12163_1_F7,18381	R.DYELDQYGVVNNAVY	3025.405	0.00279	3	1	70.9	0
P12163_1_S10,1351	R.HEFFER.I	1168.605	0.00408	3	1	23.8	0
P12163_2_F8_12070	R.HEFFER.I	1168.605	0.00321	3	1	26.2	0
P12163_1_F2,13897	R.IGINCDEVAR.T	1450.763	0.0035	2	1	25.9	0
P12163_1_F2,14090	R.IGINCDEVAR.T	1450.763	0.00024	2	1	35.4	0
P12163_1_S1,13266	R.IGINCDEVAR.T	1450.763	0.00578	2	1	25	0
P12163_1_S1,13339	R.IGINCDEVAR.T	1450.763	0.00446	3	1	38.3	0
P12163_2_F1,6690	R.ISGGS AVR.L	1050.621	0.00494	3	1	32.7	0
P12163_1_F3,19616	R.TGESLALSELSLK.F	1956.147	0.00405	3	1	27.5	0
P12163_1_F3,21451	R.TGESLALSELSLK.F	1956.147	-0.00462	3	1	28	0
P12163_1_F4,22260	R.TGESLALSELSLK.F	1956.147	0.00495	3	1	39.3	0
P12163_2_F1,19667	R.TGESLALSELSLK.F	1956.147	0.00336	3	1	25.6	0
P12163_2_F1,21786	R.TGESLALSELSLK.F	1956.147	0.00387	2	1	67.3	0
P12163_1_F4,14234	K.ACKPGATVANFTD.-	1960.042	0.0055	2	1	26.1	0
P12163_1_F4,15347	K.ACKPGATVANFTD.-	1960.042	0.00918	2	1	31.8	0
P12163_1_F4,15421	K.ACKPGATVANFTD.-	1960.042	0.00857	3	1	23	0
P12163_2_F1,14435	K.ACKPGATVANFTD.-	1960.042	0.00998	2	1	30.1	0
P12163_1_S1,19422	K.DTCLAVTGGSGIFEGV	2690.428	0.00835	4	1	40	0
P12163_1_S1,19461	K.DTCLAVTGGSGIFEGV	2690.428	0.00542	3	1	83.1	0
P12163_1_S10,1898	K.DTCLAVTGGSGIFEGV	2690.428	0.00536	3	1	78.1	0
P12163_1_F3,27777	K.FFINS LGDLVPFSNK.L	2306.3	-0.00142	3	1	37.3	0
P12163_1_F5,25049	K.LFYTFYLK.G	1703.003	0.00561	3	1	26.6	0
P12163_2_F9,22417	K.LFYTFYLK.G	1703.003	0.00714	3	1	26.9	0
P12163_2_F9,22553	K.LFYTFYLK.G	1703.003	0.00612	3	1	26	0
P12163_1_S10,1505	K.LYSGDLQK.R	1531.894	0.0073	3	1	23	0
P12163_2_F8_12070	K.LYSGDLQK.R	1531.894	-0.00038	3	1	23.5	0
P12163_2_F8_12070	K.LYSGDLQK.R	1531.894	0.00527	2	1	26.7	0
P12163_2_F1,22671	K.QLVFPFK.L	1486.924	0.00489	3	1	30.1	0
P12163_1_F4,9060	R.GSPAYLR.L	1067.615	0.00339	3	1	22	0
P12163_1_S10,9476	R.GSPAYLR.L	1067.615	0.00024	3	1	23.8	0
P12163_2_F10,8874	R.GSPAYLR.L	1067.615	0.00324	3	1	25.8	0
P12163_2_F10,1077	R.GSPAYLR.L	1067.615	0.0028	2	1	26.1	0

P12163_2_F2,7808	R.GSPAYLR.L	1067.615	0.00606	3	1	24.7	0
P12163_2_F1,11441	K.ALPDEK.K	1280.767	0.00538	3	1	22.8	0
P12163_1_F4,21629	K.EFIEVLK.T	1485.914	0.00786	2	1	25.8	0
P12163_1_F4,21632	K.EFIEVLK.T	1485.914	0.01223	3	1	26.8	0
P12163_1_F4,15330	K.FSVEAECPK.F	1674.898	0.00714	2	1	35.8	0
P12163_1_F4,15348	K.FSVEAECPK.F	1674.898	0.00372	3	1	28.9	0
P12163_1_F5,14174	K.FSVEAECPK.F	1674.898	0.00794	2	1	29.2	0
P12163_2_F1,14297	K.FSVEAECPK.F	1674.898	0.00584	2	1	38.3	0
P12163_1_F5,6585	K.GEEQEAAK.K	1469.806	0.00694	2	1	25.7	0
P12163_2_F1,6996	K.GEEQEAAK.K	1469.806	0.00682	2	1	26	0
P12163_2_F1,7005	K.GEEQEAAK.K	1469.806	0.00539	3	1	29.6	0
P12163_1_F5,14792	K.IALAEK.G ! R.IALAEK	1252.808	0.0024	3	1	27.8	0
P12163_2_F2,15557	K.IALAEK.G ! R.IALAEK	1252.808	0.00408	3	1	25.9	0
P12163_2_F9,17779	K.KEFIEVLK.T	1918.214	0.00835	3	1	28.2	0
P12163_1_F8,16648	K.SPLLLQM*NPVHK.K	2001.177	0.00264	3	1	43.3	0
P12163_1_F8,19531	K.SPLLLQM*NPVHK.K	2001.177	0.00498	3	1	31.7	0
P12163_2_F6,16142	K.SPLLLQM*NPVHK.K	2001.177	0.00801	3	1	47.9	0
P12163_1_F8,19534	K.SPLLLQMNPVHK.K	1985.183	0.00384	3	1	63.3	0
P12163_1_F8,19539	K.SPLLLQMNPVHK.K	1985.183	0.00528	4	1	31.7	0
P12163_2_F6,18980	K.SPLLLQMNPVHK.K	1985.183	0.00396	4	1	29.5	0
P12163_1_F5,21208	K.GELASLFK.K	1472.893	0.00583	3	1	21.9	0
P12163_2_F1,22082	K.GELASLFK.K	1472.893	0.01446	2	1	24.2	0
P12163_2_F1,22102	K.GELASLFK.K	1472.893	0.00559	3	1	34.4	0
P12163_2_F2,21641	K.GELASLFK.K	1472.893	0.00784	3	1	32.9	0
P12163_2_F2,21657	K.GELASLFK.K	1472.893	0.00558	2	1	33.3	0
P12163_1_F4,13735	K.SVPELCCSVK.V	1786.965	0.01275	3	1	27	0
P12163_1_F4,16207	K.SVPELCCSVK.V	1786.965	0.00995	2	1	45.3	0
P12163_1_F4,16239	K.SVPELCCSVK.V	1786.965	0.00702	3	1	37.5	0
P12163_2_F1,15395	K.SVPELCCSVK.V	1786.965	0.00365	2	1	39.6	0
P12163_1_F6,15905	K.SWMEEHIQATGK.I	2025.068	0.00277	3	1	23.5	0
P12163_1_F9,15424	K.SWMEEHIQATGK.I	2025.068	0.00475	3	1	36.6	0
P12163_2_F2,52	K.VVAFIK.G	1284.85	0.00394	2	1	26.3	0
P12163_1_F6,19160	R.NIGASVFSHLK.S	1781.053	0.0079	3	1	22.1	0
P12163_2_F7,16796	R.NIGASVFSHLK.S	1781.053	0.00892	3	1	43.4	0
P12163_2_S5,17750	R.NIGASVFSHLK.S	1781.053	0.00052	3	1	42.9	0
P12163_1_F5,13019	R.SAPMCGFSQK.V	1720.897	0.0115	2	1	37.6	0
P12163_2_F1,13376	R.SAPMCGFSQK.V	1720.897	-0.00196	2	1	30.2	0
P12163_2_F2,17479	R.TALTQAWK.S	1526.915	0.00873	2	1	28.1	0
P12163_2_F2,17504	R.TALTQAWK.S	1526.915	0.00573	3	1	27.4	0
P12163_1_F3,23465	K.CLDEAFSPFGIK.D	1992.072	0.006	3	1	42.5	0
P12163_1_F3,23484	K.CLDEAFSPFGIK.D	1992.072	0.00303	2	1	50.6	0
P12163_1_F4,24270	K.CLDEAFSPFGIK.D	1992.072	0.00483	3	1	31.6	0
P12163_1_F7,12817	K.KNPNICAYDGSSLDSR	2405.234	0.00584	3	1	38.9	0
P12163_1_F4,10525	K.LGEEAATK.A	1426.836	0.01325	3	1	22	0
P12163_1_F4,19250	K.MLGLNPSVK.R	1566.95	0.00728	2	1	30.2	0
P12163_2_F1,18447	K.MLGLNPSVK.R	1566.95	-0.00378	3	1	25.9	0
P12163_1_F4,18462	K.NVATVVSENIK.C	1911.101	0.00251	3	1	44	0
P12163_1_F4,18563	K.NVATVVSENIK.C	1911.101	0.00101	2	1	46.5	0
P12163_2_F1,17772	K.NVATVVSENIK.C	1911.101	0.00345	2	1	50.7	0
P12163_2_F1,17848	K.NVATVVSENIK.C	1911.101	0.00446	3	1	59.6	0
P12163_2_F4,15988	K.NVATVVSENIK.C	1911.101	0.00539	3	1	32.7	0

P12163_2_F6,16099	R.EMGLTVHLSK.N	1723.003	-0.00029	3	1	23.5	0
P12163_1_F6,19667	R.YFHVTEDEILK.K	1873.068	0.00475	3	1	40	0
P12163_1_F6,19706	R.YFHVTEDEILK.K	1873.068	0.00575	2	1	25.7	0
P12163_2_F6,19320	R.YFHVTEDEILK.K	1873.068	0.00505	2	1	37.5	0
P12163_2_F6,19323	R.YFHVTEDEILK.K	1873.068	0.00547	3	1	39.5	0
P12163_2_F7,17526	R.YFHVTEDEILK.K	1873.068	0.00874	3	1	30.7	0
P12163_2_F10,1933	K.FKDGFPNLFIPNAHGIF	2551.439	0.00417	4	1	36.5	0
P12163_1_F7,19072	K.VCLFYCPETHSLAER.\	2186.068	0.00133	3	1	35.7	0
P12163_1_F8,20050	K.VCLFYCPETHSLAER.\	2186.068	0.00232	3	1	38.9	0
P12163_2_F10,1775	K.VCLFYCPETHSLAER.\	2186.068	0.00331	3	1	28	0
P12163_2_S5,18670	K.VCLFYCPETHSLAER.\	2186.068	0.0031	3	1	47.8	0
P12163_1_F9,11313	K.VLAAHGAAK.I ! K.VL	1445.905	0.00534	3	1	30.1	0
P12163_1_F9,11325	K.VLAAHGAAK.I ! K.VL	1445.905	0.00773	2	1	38.9	0
P12163_2_F7,10559	K.VLAAHGAAK.I ! K.VL	1445.905	0.00435	3	1	29	0
P12163_2_F7,10574	K.VLAAHGAAK.I ! K.VL	1445.905	0.00569	2	1	44.3	0
P12163_1_F6,21806	R.GGPTSLVTFDIHALQEI	2145.161	-0.0053	3	1	56.5	0
P12163_1_F7,21103	R.GGPTSLVTFDIHALQEI	2145.161	0.0037	3	1	36.7	0
P12163_1_F7,21295	R.GGPTSLVTFDIHALQEI	2145.161	0.004	3	1	38.4	0
P12163_2_S5,20543	R.GGPTSLVTFDIHALQEI	2145.161	0.00355	3	1	52.4	0
P12163_2_F7,16152	R.GQHVAFLASFSSPGK.I	2141.196	0.00386	3	1	41.7	0
P12163_1_F2,15262	R.ILSNIPTSR.G	1304.784	0.0019	3	1	24.9	0
P12163_1_F2,16485	R.ILSNIPTSR.G	1304.784	0.00145	3	1	23.4	0
P12163_1_S1,12599	R.VAAQSDAIELR.S	1476.832	-0.0011	3	1	50.7	0
P12163_1_S1,14335	R.VAAQSDAIELR.S	1476.832	0.00798	2	1	32.2	0
P12163_2_F1,15920	K.EAFLEK.F	1344.798	0.00631	2	1	26.1	0
P12163_1_F6,14770	K.GDYTSIIHGK.Y	1698.963	0.00637	3	1	32.2	0
P12163_1_F6,14778	K.GDYTSIIHGK.Y	1698.963	0.00436	2	1	28.6	0
P12163_1_F2,18825	K.GFDPDVLVK.V	1712.968	0.0036	3	1	43.9	0
P12163_1_F2,18827	K.GFDPDVLVK.V	1712.968	0.0031	2	1	44.2	0
P12163_1_F2,19082	K.GFDPDVLVK.V	1712.968	0.00642	3	1	25.1	0
P12163_1_F3,19430	K.GFDPDVLVK.V	1712.968	0.00822	3	1	25	0
P12163_1_F3,19444	K.GFDPDVLVK.V	1712.968	0.0084	2	1	42.7	0
P12163_2_F7,11824	K.LM*HGELVEK.E	1679.961	0.00495	3	1	39.8	0
P12163_2_F7,13727	K.LM*HGELVEK.E	1679.961	-0.00111	3	1	35.5	0
P12163_1_F9,15134	K.LMHGELVEK.E	1663.966	0.00346	3	1	23.2	0
P12163_1_F9,15188	K.LMHGELVEK.E	1663.966	0.00225	2	1	42.6	0
P12163_1_F2,18930	K.NVQIVDTTCPWVSK.V	2255.231	0.00546	3	1	49	0
P12163_2_F2,17486	K.VWTTVEK.H	1470.878	0.00496	2	1	24.9	0
P12163_1_F7,13849	K.YSHEETVATASFAGK.	2206.16	0.00489	4	1	27.5	0
P12163_1_F7,13855	K.YSHEETVATASFAGK.	2206.16	0.00324	3	1	37.7	0
P12163_2_F4,13537	K.YSHEETVATASFAGK.	2206.16	0.00105	3	1	37.1	0
P12163_2_F6,13943	K.YSHEETVATASFAGK.	2206.16	-0.00102	3	1	23.7	0
P12163_1_F4,11789	K.ADGLAAGK.G	1310.789	0.00136	2	1	27.8	0
P12163_2_F1,10824	K.ADGLAAGK.G	1310.789	0.0047	2	1	34.5	0
P12163_2_F1,10845	K.ADGLAAGK.G	1310.789	0.00349	3	1	44.6	0
P12163_1_F2,19629	K.AGIPTFGPSSEAAALEC	2398.307	0.01115	3	1	43.5	0
P12163_1_S1,18609	K.AGIPTFGPSSEAAALEC	2398.307	0.01337	3	1	38.3	0
P12163_1_F5,10750	K.GYPGSYEK.G	1508.82	0.00887	2	1	28.5	0
P12163_1_S10,1216	K.GYPGSYEK.G	1508.82	0.00566	3	1	30.9	0
P12163_1_F7,17535	K.IFHAGTALDADGNFIA	2308.199	-0.00083	3	1	44	0
P12163_1_F7,18693	K.IFHAGTALDADGNFIA	2308.199	0.0112	3	1	48.5	0

P12163_1_F7,18697	K.IFHAGTALDADGNFIA	2308.199	0.00064	4	1	60.2	0
P12163_1_F7,19166	K.IFHAGTALDADGNFIA	2308.199	0.00094	3	1	46.8	0
P12163_1_F7,19548	K.IFHAGTALDADGNFIA	2308.199	0.00361	3	1	92.9	0
P12163_1_F3,17707	K.QYIQEEGAPIVVK.A	2082.205	0.01253	3	1	38.8	0
P12163_1_F3,17716	K.QYIQEEGAPIVVK.A	2082.205	0.00581	2	1	67	0
P12163_1_F4,12933	K.TFTDPNAAK.Q	1572.884	0.00931	2	1	38.1	0
P12163_1_F6,15763	R.EHALCYALK.R	1712.961	0.00551	3	1	52	0
P12163_1_F9,15430	R.EHALCYALK.R	1712.961	0.00833	3	1	22.4	0
P12163_2_F9,14798	R.EHALCYALK.R	1712.961	0.00221	3	1	28.1	0
P12163_1_F5,7659	K.ECGVENK.Q	1443.772	0.01167	2	1	25	0
P12163_2_F2,8538	K.ECGVENK.Q	1443.772	0.01072	3	1	22.1	0
P12163_2_F8_12070	K.HWVSILR.N	1214.731	0.00348	3	1	26.2	0
P12163_1_F2,19363	K.VISAVAAPPALQK.L	1873.173	0.00326	2	1	33.4	0
P12163_1_F4,20642	K.VISAVAAPPALQK.L	1873.173	0.00691	3	1	32	0
P12163_1_S1,17866	K.VISAVAAPPALQK.L	1873.173	0.00808	3	1	31.8	0
P12163_1_F2,18351	R.DEETLQPSIYLNK.L	2158.185	0.00345	2	1	45.1	0
P12163_1_S1,17430	R.DEETLQPSIYLNK.L	2158.185	0.00617	3	1	40.1	0
P12163_2_F6,17980	R.DEETLQPSIYLNK.L	2158.185	0.00687	2	1	34.3	0
P12163_1_F2,16886	R.LLM*YEASR.D	1302.703	0.00469	3	1	22.8	0
P12163_1_F7,20073	R.M*LVFVPPHPLIK.H	2015.234	0.00798	3	1	40.1	0
P12163_1_F7,22439	R.M*LVFVPPHPLIK.H	2015.234	0.00645	3	1	31.8	0
P12163_2_F6,20726	R.M*LVFVPPHPLIK.H	2015.234	0.00849	3	1	27.8	0
P12163_2_S5,18844	R.M*LVFVPPHPLIK.H	2015.234	0.0123	3	1	26.2	0
P12163_2_S5,18857	R.M*LVFVPPHPLIK.H	2015.234	0.00687	4	1	31.9	0
P12163_2_S5,21276	R.MLVFVPPHPLIK.H	1999.239	0.00675	3	1	35.8	0
P12163_1_F2,12162	R.NEQTPCIFR.N	1565.805	0.00116	3	1	39.3	0
P12163_1_F2,14846	R.NEQTPCIFR.N	1565.805	0.00301	2	1	27.5	0
P12163_2_F1,10610	K.AGGSVEGSNLGSK.N	1770.981	0.00227	2	1	62.9	0
P12163_1_F4,22789	K.AVELVFESEK.A	1759.01	0.00253	2	1	44.3	0
P12163_1_F4,22816	K.AVELVFESEK.A	1759.01	0.00794	3	1	24.9	0
P12163_1_F2,16116	K.NVVYEADSDSVLTK.C	2148.164	0.00987	3	1	29.4	0
P12163_1_F2,16893	K.NVVYEADSDSVLTK.C	2148.164	0.00369	2	1	59.6	0
P12163_1_S1,16105	K.NVVYEADSDSVLTK.C	2148.164	0.00297	3	1	24.9	0
P12163_1_F4,10240	K.VESSQVGSJK.N	1672.933	0.00739	2	1	30.8	0
P12163_2_F1,9260	K.VESSQVGSJK.N	1672.933	0.00821	3	1	35.6	0
P12163_2_F1,9297	K.VESSQVGSJK.N	1672.933	0.00631	2	1	47.1	0
P12163_1_F4,23549	K.YEQLLFYJK.S	1769.009	0.00677	2	1	34.3	0
P12163_1_F5,22125	K.YEQLLFYJK.S	1769.009	0.00917	3	1	27.2	0
P12163_2_F1,22937	K.YEQLLFYJK.S	1769.009	-0.00013	2	1	42.5	0
P12163_2_F8_12070	K.YEQLLFYJK.S	1769.009	0.00872	3	1	32	0
P12163_1_F5,11416	R.AYLDDQK.N	1460.82	0.00451	2	1	29.2	0
P12163_2_F1,11884	R.AYLDDQK.N	1460.82	0.00417	2	1	27.7	0
P12163_2_F8_12070	R.AYLDDQK.N	1460.82	0.00393	2	1	28.4	0
P12163_1_F5,21066	R.NNGFLNMLK.L	1658.951	0.00747	2	1	37.9	0
P12163_1_F4,4930	K.ESSEER.E	1169.559	0.00747	2	1	30.3	0
P12163_2_F1,4254	K.ESSEER.E	1169.559	0.00287	2	1	31.2	0
P12163_1_F3,21264	K.ISEYVAQLR.R	1382.794	0.0069	2	1	29.2	0
P12163_1_F3,21466	K.ISEYVAQLR.R	1382.794	0.00386	2	1	29.3	0
P12163_2_F1,21642	K.ISEYVAQLR.R	1382.794	0.00278	2	1	30.9	0
P12163_2_F2,12673	K.LM*EYQNK.R	1549.85	-0.00131	3	1	24.4	0
P12163_1_S10,1513	K.LMEYQNK.R	1533.855	0.01034	2	1	27.8	0

P12163_2_F2,15011	K.LMEYQNK.R	1533.855	0.00355	3	1	24.7	0
P12163_1_F7,23888	K.LQSILM*PLSEFDHAEF	2482.347	0.00617	3	1	35.4	0
P12163_1_F7,24525	K.LQSILM*PLSEFDHAEF	2482.347	0.00747	4	1	39.4	0
P12163_1_F7,24599	K.LQSILM*PLSEFDHAEF	2482.347	0.00605	3	1	58	0
P12163_1_S1,24481	K.NANNSPLTGVIFAPFEI	2655.46	0.00778	4	1	51.3	0
P12163_1_F5,10714	R.DNVALK.G	1267.783	0.00585	2	1	23.9	0
P12163_2_F1,11267	R.DNVALK.G	1267.783	0.00678	3	1	28.7	0
P12163_1_F9,18391	R.ILNLHK.N ! K.LLNLHK	1345.878	0.00675	3	1	24.5	0
P12163_1_S10,1590	R.ILNLHK.N ! K.LLNLHK	1345.878	0.00765	3	1	27.7	0
P12163_2_F9,15186	R.ILNLHK.N ! K.LLNLHK	1345.878	0.00456	3	1	25.4	0
P12163_1_F7,21050	K.ATCYPFSM*EQLAPAC	2780.299	0.00186	3	1	35	0
P12163_1_F8,14572	K.ERADEVSGPLVMR.A	1762.942	0.00142	3	1	29.6	0
P12163_1_F3,20518	K.ESEVLETIVK.K	1755.036	0.00744	2	1	41.3	0
P12163_1_F4,21068	K.ESEVLETIVK.K	1755.036	0.00708	3	1	22.9	0
P12163_2_F8_12070	K.ESNRPYGAICASPALV	3200.771	0.0043	5	1	32.1	0
P12163_2_F8_12070	K.ESNRPYGAICASPALV	3200.771	0.00702	4	1	45.4	0
P12163_2_F8_12070	K.ESNRPYGAICASPALV	3200.771	0.00326	3	1	31.6	0
P12163_2_F9,18701	K.ESNRPYGAICASPALV	3200.771	0.00582	4	1	33.5	0
P12163_1_F2,23575	K.LVADVLIDEAAK.L	1865.12	0.0042	3	1	46.7	0
P12163_1_F3,24585	K.LVADVLIDEAAK.L	1865.12	0.0075	3	1	29.7	0
P12163_1_F5,23365	K.LVADVLIDEAAK.L	1865.12	0.00093	3	1	35.6	0
P12163_1_S1,22683	K.LVADVLIDEAAK.L	1865.12	0.00426	3	1	47.2	0
P12163_1_S1,22917	K.LVADVLIDEAAK.L	1865.12	0.00657	3	1	44.4	0
P12163_1_S1,13289	R.ADEVSGPLVM*R.A ! K	1493.794	0.00616	3	1	34.7	0
P12163_1_S1,15847	R.ADEVSGPLVMR.A ! K.	1477.799	0.00112	3	1	42.7	0
P12163_1_F9,9070	R.VDACHGVK.I	1493.835	0.00278	2	1	26.7	0
P12163_1_F9,9111	R.VDACHGVK.I	1493.835	0.00509	3	1	29.9	0
P12163_1_S1,10922	K.DIVEDPR.R	1147.626	0.00348	2	1	38.7	0
P12163_1_F4,10429	K.EGETVEPGAK.I	1624.9	0.00801	2	1	37.9	0
P12163_2_F1,9599	K.EGETVEPGAK.I	1624.9	0.00907	2	1	42.2	0
P12163_1_F4,219	K.GLVVPVIR.N	1156.772	0.0034	2	1	25.2	0
P12163_1_F4,24998	K.LGLM*SGFVK.A	1575.939	0.0082	3	1	27.4	0
P12163_2_F1,24421	K.LGLM*SGFVK.A	1575.939	0.00142	3	1	31.2	0
P12163_2_F1,24343	K.LGLMSGFVK.A	1559.944	0.0022	3	1	26.3	0
P12163_1_F3,11370	K.QTPSEEAAPAVK.D	1836.032	0.00797	2	1	30.9	0
P12163_1_F3,10372	K.SGEGVAQAAPAEK.A	1823.012	0.00729	2	1	63.3	0
P12163_1_F3,10395	K.SGEGVAQAAPAEK.A	1823.012	0.00692	3	1	33.2	0
P12163_1_F4,9528	K.SGEGVAQAAPAEK.A	1823.012	0.00614	3	1	31	0
P12163_1_F4,10861	K.SGEGVAQAAPAEK.A	1823.012	0.01361	3	1	39.1	0
P12163_1_F4,10879	K.SGEGVAQAAPAEK.A	1823.012	0.00845	2	1	82.9	0
P12163_2_F1,10075	K.SGEGVAQAAPAEK.A	1823.012	0.00263	2	1	80.9	0
P12163_1_F5,17728	R.MNFAEIEK.E	1589.882	0.00827	3	1	28.9	0
P12163_2_F1,18244	R.MNFAEIEK.E	1589.882	-0.00004	2	1	32.2	0
P12163_1_F2,17601	K.AVIEELDR.I	1248.71	0.00348	2	1	32.3	0
P12163_1_F2,18366	K.GVYIAEQGLVR.Y	1508.874	0.00273	2	1	27.6	0
P12163_1_F6,19565	K.LIYTEDPLILHTPTGR.I	2143.206	-0.00421	3	1	30	0
P12163_1_F6,21603	K.LIYTEDPLILHTPTGR.I	2143.206	0.00149	3	1	46	0
P12163_1_F6,21630	K.LIYTEDPLILHTPTGR.I	2143.206	0.00189	2	1	48.7	0
P12163_2_F10,1894	K.LIYTEDPLILHTPTGR.I	2143.206	0.00035	3	1	30.7	0
P12163_2_F4,20246	K.LIYTEDPLILHTPTGR.I	2143.206	0.00107	3	1	25.9	0
P12163_2_S5,20028	K.LIYTEDPLILHTPTGR.I	2143.206	0.00281	3	1	52.3	0

P12163_1_F4,24356	R.LFWQPPLK.E	1637.003	0.0019	3	1	30.5	0
P12163_1_F4,24400	R.LFWQPPLK.E	1637.003	0.00651	2	1	29.3	0
P12163_1_F7,21032	R.LINYIEDEEHGVR.L	1890.986	0.00016	3	1	36.2	0
P12163_1_F8,21947	R.LINYIEDEEHGVR.L	1890.986	0.00589	3	1	25.6	0
P12163_1_F6,17173	R.QPYPVVPDDHVDIATP	2499.37	0.00344	3	1	40.9	0
P12163_2_F4,16009	R.QPYPVVPDDHVDIATP	2499.37	0.00557	3	1	46.9	0
P12163_2_F4,16011	R.QPYPVVPDDHVDIATP	2499.37	0.00829	4	1	23.6	0
P12163_1_F3,13523	R.QQDDDEEILK.N	1840.975	0.00096	2	1	41.3	0
P12163_1_S1,18775	K.GQLVPDEIVVTM*VK.	2152.251	0.01075	3	1	36.7	0
P12163_1_S1,22005	K.GQLVPDEIVVTMVK.E	2136.256	0.00325	3	1	26.5	0
P12163_2_F2,12956	K.GTQCELIK.E	1556.893	0.00644	2	1	26.3	0
P12163_1_F4,16372	K.IMISGAPASGK.G	1639.966	0.00361	2	1	32.3	0
P12163_2_F1,15600	K.IMISGAPASGK.G	1639.966	0.00204	3	1	41.9	0
P12163_1_F8,22350	K.YGLVHIAAGDLLR.A	1701.995	0.00319	3	1	23.4	0
P12163_1_F4,11518	R.AEIAAGSENGK.R	1654.922	0.00952	3	1	21.9	0
P12163_1_F4,11560	R.AEIAAGSENGK.R	1654.922	0.01106	2	1	28.1	0
P12163_2_F1,10676	R.AEIAAGSENGK.R	1654.922	0.00752	2	1	30.9	0
P12163_2_F2,16510	R.KSALGSLAA.-	1425.888	0.00152	2	1	35.8	0
P12163_1_F5,13848	R.SLSQATALK.K	1526.936	0.00423	3	1	39.3	0
P12163_1_F5,13855	R.SLSQATALK.K	1526.936	0.00599	2	1	41.4	0
P12163_2_F1,14098	R.SLSQATALK.K	1526.936	0.00357	3	1	29.2	0
P12163_2_F2,14604	R.SLSQATALK.K	1526.936	0.00567	2	1	43.5	0
P12163_2_F2,14618	R.SLSQATALK.K	1526.936	0.00549	3	1	28.9	0
P12163_1_F5,11298	K.AGYQGNTFK.L	1593.884	-0.00019	3	1	23.7	0
P12163_1_F5,11311	K.AGYQGNTFK.L	1593.884	0.00374	2	1	31.2	0
P12163_1_F5,11333	K.AGYQGNTFK.L	1593.884	0.00173	3	1	35.3	0
P12163_1_S10,1267	K.AGYQGNTFK.L	1593.884	0.0056	3	1	36.6	0
P12163_2_F2,12056	K.AGYQGNTFK.L	1593.884	0.0023	3	1	35	0
P12163_1_F5,13752	K.DLLANPK.C	1378.851	0.00421	3	1	37.3	0
P12163_1_S10,5159	K.HQEAAAR.L	1086.596	0.00355	3	1	34.7	0
P12163_1_F4,23239	K.SDANVFELIQK.H	1872.069	0.0051	3	1	34.3	0
P12163_2_F2,15027	R.AVYLAK.H	1272.814	0.00209	3	1	22.8	0
P12163_2_F9,4947	R.DHAEDTR.I	1147.564	-0.00174	3	1	34.3	0
P12163_2_F9,4979	R.DHAEDTR.I	1147.564	0.002	2	1	26.1	0
P12163_1_F5,17008	R.GMLSTFSQK.Y	1606.908	0.00788	2	1	34.6	0
P12163_1_F5,17029	R.GMLSTFSQK.Y	1606.908	0.01033	3	1	27.4	0
P12163_2_F1,17509	R.GMLSTFSQK.Y	1606.908	0.00634	3	1	29.4	0
P12163_2_F1,17528	R.GMLSTFSQK.Y	1606.908	0.00738	2	1	38.6	0
P12163_1_F3,18012	K.MEMTTPVISK.K	1744.98	0.00488	2	1	46.5	0
P12163_1_F3,18020	K.MEMTTPVISK.K	1744.98	0.00788	3	1	34	0
P12163_1_F5,17397	K.YGANLPLPK.D	1580.962	0.0064	2	1	25	0
P12163_1_F3,22490	R.LLM*DLATETAK.Y	1830.05	0.00929	3	1	32.2	0
P12163_1_F3,24469	R.LLMDLATETAK.Y	1814.055	0.00632	3	1	28	0
P12163_1_F3,24666	R.LLMDLATETAK.Y	1814.055	0.00415	2	1	55.8	0
P12163_1_F3,24703	R.LLMDLATETAK.Y	1814.055	0.00308	3	1	36.9	0
P12163_1_F2,15691	R.NEIALEVER.K	1376.769	0.00457	2	1	38.9	0
P12163_1_S10,9556	R.RGQYEIR.E	1225.695	0.00242	3	1	29.8	0
P12163_2_F8_1207	R.RGQYEIR.E	1225.695	0.00263	3	1	28.4	0
P12163_1_F9,13730	R.RNEIALEVER.K	1532.87	0.00415	3	1	42.9	0
P12163_1_S10,1405	R.RNEIALEVER.K	1532.87	0.00421	3	1	37.4	0
P12163_2_F7,12477	R.RNEIALEVER.K	1532.87	0.00208	3	1	30.6	0

P12163_2_F9,12954	R.RNEIALEVER.K	1532.87	0.00214	3	1	48.1	0
P12163_1_F2,14792	R.TGDFDNGASR.S	1375.691	0.00248	2	1	24.8	0
P12163_1_F8,22547	K.HLPDDPLFQLVSK.L	2117.221	0.00711	3	1	27.5	0
P12163_2_F6,22185	K.HLPDDPLFQLVSK.L	2117.221	0.00612	3	1	38.9	0
P12163_1_S1,25053	K.LFEVVPILTK.L	1864.177	0.00729	3	1	33.3	0
P12163_1_F4,22116	K.SVTLDWIEK.N	1698.989	0.00758	3	1	26.4	0
P12163_1_F4,22120	K.SVTLDWIEK.N	1698.989	0.01089	2	1	46.8	0
P12163_2_F1,21678	K.SVTLDWIEK.N	1698.989	0.00505	2	1	44.1	0
P12163_1_F2,14818	K.SVVDECGENVTTQLI	2416.249	0.0127	3	1	48	0
P12163_1_F8,17218	K.VVPGFGHGVLR.K	1441.858	0.00114	3	1	43.7	0
P12163_2_F6,16555	K.VVPGFGHGVLR.K	1441.858	0.00225	3	1	55.5	0
P12163_2_F6,20517	K.VVPGFGHGVLR.K	1441.858	0.00105	3	1	36.7	0
P12163_1_F4,16713	R.ATVPDYVYK.A	1663.952	0.00404	2	1	39.6	0
P12163_2_F1,15892	R.ATVPDYVYK.A	1663.952	0.00508	2	1	33.7	0
P12163_1_F4,15249	R.GLSIPECQK.L	1639.93	0.00645	2	1	26.5	0
P12163_1_F5,14009	R.GLSIPECQK.L	1639.93	0.00873	2	1	26.6	0
P12163_2_F1,14217	R.GLSIPECQK.L	1639.93	0.00753	2	1	24.9	0
P12163_1_F9,15086	K.FTETAEAHFR.L	1512.775	0.00035	3	1	43.3	0
P12163_2_F6,14688	K.FTETAEAHFR.L	1512.775	0.00101	3	1	41	0
P12163_2_F7,13708	K.FTETAEAHFR.L	1512.775	0.00146	3	1	63.7	0
P12163_1_F5,17949	K.GGFMEFDK.L	1538.813	0.00848	2	1	26	0
P12163_1_F3,18451	K.LIASPDMM*VK.V ! K.I	1728.985	0.00542	2	1	26.9	0
P12163_1_F3,20571	K.LIASPDMMVK.V	1712.99	0.01214	2	1	32.4	0
P12163_1_S1,20158	K.NAGADLVGGDDLIEQI	2336.292	0.01082	3	1	52.2	0
P12163_2_F2,18833	K.TAISLLK.Q	1353.893	0.00616	3	1	27.6	0
P12163_2_F7,16501	K.TGIVHIPFGK.A	1677.031	0.00149	3	1	24.5	0
P12163_2_F7,16541	K.TGIVHIPFGK.A	1677.031	0.00327	2	1	24	0
P12163_2_F7,16699	K.TGIVHIPFGK.A	1677.031	0.00434	3	1	22.3	0
P12163_2_F7,16927	K.TGIVHIPFGK.A	1677.031	0.00308	3	1	24.4	0
P12163_1_F4,17162	K.VAVLAQGEK.F	1522.941	0.00674	2	1	38.3	0
P12163_2_F1,16291	K.VAVLAQGEK.F	1522.941	0.00666	2	1	35.8	0
P12163_2_F1,16306	K.VAVLAQGEK.F	1522.941	0.00494	3	1	27.4	0
P12163_1_F2,9842	K.AALTVEPR.G	1160.694	0.00341	3	1	26	0
P12163_1_F2,12833	K.AALTVEPR.G	1160.694	0.00468	2	1	37.4	0
P12163_1_F3,10071	K.AALTVEPR.G	1160.694	0.00506	3	1	30.5	0
P12163_1_F3,13207	K.AALTVEPR.G	1160.694	0.00182	2	1	28.5	0
P12163_2_F1,12612	K.AALTVEPR.G	1160.694	0.00304	2	1	36.7	0
P12163_2_S5,16693	K.SFSASPSNSSYAPTDV/	2716.373	0.00241	3	1	29.3	0
P12163_1_F7,19383	K.VEPLPDGSGHFFNLSV	2693.451	0.00486	3	1	50.2	0
P12163_2_F10,1783	K.VEPLPDGSGHFFNLSV	2693.451	0.00588	3	1	43.7	0
P12163_2_F6,18952	R.ESCEFFHDPFK.G	2051.015	0.01302	3	1	32.9	0
P12163_1_F2,18104	R.GPEFVSLDSGAVK.L	1914.079	0.00894	3	1	25.6	0
P12163_1_F3,18670	R.GPEFVSLDSGAVK.L	1914.079	-0.00241	2	1	46.8	0
P12163_1_F5,9711	R.QSEYYEQK.S	1682.885	0.00273	2	1	32	0
P12163_2_F1,10180	R.QSEYYEQK.S	1682.885	0.00273	2	1	25	0
P12163_2_F2,10541	R.QSEYYEQK.S	1682.885	0.00037	2	1	32.8	0
P12163_1_F6,14504	R.VYVGHSIYK.G	1673.983	0.00339	2	1	45.4	0
P12163_1_F3,19176	K.ATIGADFITK.E ! K.ATI	1644.978	0.00716	3	1	22.9	0
P12163_1_F4,20773	K.ATIGADFITK.E ! K.ATI	1644.978	0.00971	3	1	45.6	0
P12163_2_F1,20163	K.ATIGADFITK.E ! K.ATI	1644.978	0.00517	2	1	36	0
P12163_1_F3,22857	K.EGINVEEAFQCIK.N	2216.184	0.00703	3	1	48.8	0

P12163_1_F3,22860	K.EGINVEEAFQCIAK.N	2216.184	0.00702	2	1	77.7	0
P12163_1_F3,12121	K.EVQFEDR.L	1226.632	0.00411	2	1	33.2	0
P12163_1_F2,8712	K.IDVDGGNSR.V	1236.649	0.00541	3	1	33.5	0
P12163_1_F5,16837	K.TSLMNQYVVK.K	1806.004	0.00391	2	1	48.9	0
P12163_2_F1,17386	K.TSLMNQYVVK.K	1806.004	-0.00237	2	1	31.1	0
P12163_1_F3,19881	K.VIILGDSGVGK.T	1666.036	0.00775	2	1	52.3	0
P12163_1_F3,19960	K.VIILGDSGVGK.T	1666.036	0.00874	3	1	40.9	0
P12163_2_F2,19154	K.VIILGDSGVGK.T	1666.036	-0.00221	3	1	34.7	0
P12163_1_F4,18190	R.GNIPYFETSAK.E ! K.G	1835.016	0.00836	2	1	39	0
P12163_1_F4,18247	R.GNIPYFETSAK.E ! K.G	1835.016	0.00761	3	1	33	0
P12163_2_F1,17433	R.GNIPYFETSAK.E ! K.G	1835.016	0.00354	2	1	27.7	0
P12163_1_F6,19385	K.EKPAIQVDTFCVHGGF	3238.714	0.00356	4	1	25.1	0
P12163_2_F8_12070	K.EKPAIQVDTFCVHGGF	3238.714	0.00664	4	1	32.5	0
P12163_2_F1,12712	K.NVTDLEK.Q	1426.836	0.00647	2	1	26.8	0
P12163_1_F4,19957	K.SYLANFGYDPNK.I	1997.059	0.0071	2	1	29.5	0
P12163_1_F4,19971	K.SYLANFGYDPNK.I	1997.059	0.0056	3	1	43.6	0
P12163_1_F9,18509	K.SYLANFGYDPNK.I	1997.059	0.00506	3	1	50.5	0
P12163_1_F9,18534	K.SYLANFGYDPNK.I	1997.059	0.00104	2	1	25.4	0
P12163_2_F1,19393	K.SYLANFGYDPNK.I	1997.059	0.00386	2	1	56.3	0
P12163_2_F1,19416	K.SYLANFGYDPNK.I	1997.059	0.00764	3	1	39.2	0
P12163_1_F3,25442	R.FPTLPFIPK.E	1668.034	0.00294	3	1	25.4	0
P12163_1_F3,16764	R.GNVQCLPEEELEK.N	2153.137	0.00886	3	1	46.3	0
P12163_1_F3,16810	R.GNVQCLPEEELEK.N	2153.137	0.00859	2	1	59.3	0
P12163_1_F3,17024	R.TPTPGPEFIEK.Y	1824.036	0.00743	2	1	34.1	0
P12163_1_F3,17032	R.TPTPGPEFIEK.Y	1824.036	0.00641	3	1	37.1	0
P12163_1_F5,23137	R.WFEVASLK.R	1587.935	0.00763	3	1	25.3	0
P12163_1_F7,16316	K.ALQNYEAYNSNVHR	2146.062	0.00337	3	1	50.3	0
P12163_1_F8,17030	K.ALQNYEAYNSNVHR	2146.062	0.00484	3	1	40.7	0
P12163_2_S3,15401	K.ALQNYEAYNSNVHR	2146.062	0.007	3	1	34.3	0
P12163_1_S1,10672	K.ATDEYELAR.K	1371.706	0.00276	3	1	42.1	0
P12163_1_F6,17430	K.IHAYEMELAK.Y	1813.014	-0.00104	3	1	37.9	0
P12163_2_F9,16267	K.IHAYEMELAK.Y	1813.014	0.00085	3	1	31.8	0
P12163_2_F9,16299	K.IHAYEMELAK.Y	1813.014	0.00645	4	1	25.3	0
P12163_1_F4,24797	K.M*CGPTGIGFLFGK.S	2009.081	0.00605	3	1	33.4	0
P12163_1_F3,25381	K.MCGPTGIGFLFGK.S	1993.086	0.00626	3	1	35.2	0
P12163_1_S1,24395	K.YLYENLLSIPNIR.I	1912.084	-0.00382	3	1	38.3	0
P12163_2_F4,13295	R.ASLHFYNTK.E	1688.958	0.00871	2	1	37.9	0
P12163_1_F9,15820	R.GIHFLSAK.A	1480.91	0.00667	3	1	31.3	0
P12163_1_F9,15847	R.GIHFLSAK.A	1480.91	0.00743	2	1	25.4	0
P12163_2_S5,15021	R.GIHFLSAK.A	1480.91	0.00562	3	1	24.1	0
P12163_1_F2,19034	K.GAAVIYEEIR.Q	1424.805	0.0047	2	1	24.2	0
P12163_1_S1,10209	K.IVDSIQDR.G	1249.705	0.00166	3	1	25.2	0
P12163_1_S1,14985	K.IVDSIQDR.G	1249.705	0.00461	2	1	35.4	0
P12163_1_S1,15067	K.SFGFDTAVEEAQR.A !	1760.876	0.00324	3	1	49.7	0
P12163_1_S1,15953	K.SFGFDTAVEEAQR.A !	1760.876	0.00249	3	1	45.8	0
P12163_1_S1,17931	K.SFGFDTAVEEAQR.A !	1760.876	0.00443	2	1	68.6	0
P12163_1_S1,17970	K.SFGFDTAVEEAQR.A !	1760.876	0.00135	3	1	89	0
P12163_1_S1,19345	K.YIDPTYMIR.A	1475.787	0.00236	3	1	30.4	0
P12163_1_F3,16809	R.GINQVYIIGDGTQK.C	2171.228	0.00568	3	1	42.6	0
P12163_1_F3,18341	R.GINQVYIIGDGTQK.C	2171.228	0.00674	2	1	63.5	0
P12163_2_F2,17919	R.GINQVYIIGDGTQK.C	2171.228	0.00583	3	1	22.4	0

P12163_2_F10,6941	R.GTHFR.R	921.5208	-0.00426	3	1	25.9	0
P12163_2_F9,6857	R.GTHFR.R	921.5208	0.00159	3	1	23.8	0
P12163_1_F2,10575	R.QNQVVITDR.M	1376.78	0.00494	2	1	40.1	0
P12163_1_F4,14872	K.GPMATPIGK.G	1479.881	0.00495	3	1	24	0
P12163_2_F6,17335	K.TRYDDVNLITIR.E	1783.002	0.00121	3	1	43.4	0
P12163_1_F7,13652	R.ENTEGEYSGLEHQVVI	2151.062	0.00127	3	1	48.3	0
P12163_1_F8,14224	R.ENTEGEYSGLEHQVVI	2151.062	0.00616	3	1	87	0
P12163_1_F8,14251	R.ENTEGEYSGLEHQVVI	2151.062	0.00433	2	1	30.5	0
P12163_2_F4,13269	R.ENTEGEYSGLEHQVVI	2151.062	0.00952	3	1	28.4	0
P12163_2_F8_1207C	R.ENTEGEYSGLEHQVVI	2151.062	0.00445	3	1	71.3	0
P12163_2_S5,13820	R.ENTEGEYSGLEHQVVI	2151.062	0.00124	3	1	75.6	0
P12163_2_F1,14183	R.GVVESLK.I	1339.841	-0.00019	3	1	27.8	0
P12163_2_S5,9777	R.HLELHDK.A	1499.879	0.00594	4	1	36.4	0
P12163_1_F3,24776	R.IQNAILSTIAEGK.Y	1966.179	0.00791	3	1	29.7	0
P12163_1_F4,25668	R.IQNAILSTIAEGK.Y	1966.179	0.00611	3	1	44	0
P12163_1_F6,18108	R.VAEYAFHYAK.T	1807	0.0073	3	1	22.1	0
P12163_2_F6,17540	R.VAEYAFHYAK.T	1807	0.00259	3	1	30	0
P12163_1_F4,22306	K.AISFYTEAIK.L	1751.02	0.00611	3	1	44.1	0
P12163_1_F4,22314	K.AISFYTEAIK.L	1751.02	0.00625	2	1	56.5	0
P12163_2_F1,21761	K.AISFYTEAIK.L	1751.02	0.01079	3	1	33.6	0
P12163_2_F1,21822	K.AISFYTEAIK.L	1751.02	0.00455	2	1	56.7	0
P12163_1_F8,18348	K.DDGILVTPTTAYPPPK.	2293.29	0.00151	3	1	24	0
P12163_1_F9,13614	K.EMLSEDYQNR.A	1588.758	0.00387	2	1	26.1	0
P12163_1_S1,13290	K.EMLSEDYQNR.A	1588.758	0.00473	2	1	26.1	0
P12163_2_F8_1207C	R.EMLGYYK.E	1511.839	0.00762	3	1	26.6	0
P12163_1_F7,19214	R.HVGHVLLQLPFAAQR.	1990.165	0.00798	3	1	40.2	0
P12163_1_F5,18889	R.SAISSLK.D	1426.909	0.0034	2	1	30.2	0
P12163_1_F5,18900	R.SAISSLK.D	1426.909	0.00145	3	1	47.8	0
P12163_2_F2,19561	R.SAISSLK.D	1426.909	0.00259	3	1	40.6	0
P12163_2_F2,19571	R.SAISSLK.D	1426.909	0.00656	2	1	30.8	0
P12163_1_F2,21447	R.TSTVVSTLVEGGATCI	2388.326	0.00643	3	1	50.1	0
P12163_1_F3,19733	K.FPENSVELYAEK.V	2034.1	-0.00141	3	1	23.8	0
P12163_1_F7,18472	K.QGPTTPLPDLVTIHSPK	2409.396	0.00714	3	1	54	0
P12163_1_S1,14863	R.ELAEDGYSGVEVR.V	1727.875	0.0075	2	1	31.5	0
P12163_1_S1,14876	R.ELAEDGYSGVEVR.V	1727.875	0.00382	3	1	30.5	0
P12163_1_S1,14895	R.ELAEDGYSGVEVR.V	1727.875	0.00427	3	1	53.2	0
P12163_2_F6,14922	R.ELAEDGYSGVEVR.V	1727.875	0.00224	2	1	36.1	0
P12163_1_F4,15822	R.ELTSVVQK.R	1511.925	0.00537	2	1	26.7	0
P12163_1_F4,16021	R.ELTSVVQK.R	1511.925	0.00955	2	1	29	0
P12163_2_F1,16671	R.FIMESGAK.G	1490.85	0.00536	2	1	25.4	0
P12163_1_F2,16387	R.GLCAIAQAESLR.Y	1592.873	0.00196	3	1	25.4	0
P12163_1_F5,11798	R.TQNVLGEK.G	1496.889	0.00575	2	1	27.4	0
P12163_2_F1,12249	R.TQNVLGEK.G	1496.889	0.00805	2	1	32.2	0
P12163_2_F2,12617	R.TQNVLGEK.G	1496.889	0.00433	2	1	26.7	0
P12163_2_F2,12631	R.TQNVLGEK.G	1496.889	0.00407	3	1	30.4	0
P12163_1_F5,15614	K.ELNAAFSLK.L	1487.868	0.00817	2	1	36.6	0
P12163_1_F4,19284	K.EYEALLPDK.I	1685.957	0.01083	2	1	25.5	0
P12163_1_F6,15479	K.IAVEGGEGHYLK.E ! K.I	1824.048	0.00655	2	1	25.7	0
P12163_1_F8,15355	K.IAVEGGEGHYLK.E ! K.I	1824.048	0.00622	3	1	23.3	0
P12163_1_F8,15364	K.IAVEGGEGHYLK.E ! K.I	1824.048	0.00317	2	1	27.4	0
P12163_2_F6,14823	K.IAVEGGEGHYLK.E ! K.I	1824.048	0.00553	2	1	45.1	0

P12163_2_F6,14827	K.IAVEGGEGHYLK.E ! K.I	1824.048	0.00437	3	1	30.2	0
P12163_2_S3,8047	K.VHNLQQ.-	1042.595	0.00296	2	1	24.1	0
P12163_1_F3,13764	R.NLLADPR.C	1102.652	0.00309	2	1	39.6	0
P12163_1_F4,13079	R.QGAQFNIQR.V	1365.754	0.00265	2	1	29.2	0
P12163_2_F1,12031	R.QGAQFNIQR.V	1365.754	0.00369	2	1	24.8	0
P12163_1_F7,16639	R.VTFEDGHTVETLEEK	2413.271	0.00782	3	1	35.1	0
P12163_2_S5,16250	R.VTFEDGHTVETLEEK	2413.271	0.00434	4	1	22.2	0
P12163_1_F4,18597	K.GELGDYYCMAAK.S	1985.992	0.01018	2	1	36	0
P12163_1_S1,23350	K.GLIVGIISNAEYR.Y	1708.99	0.00728	2	1	24.6	0
P12163_2_F8_12070	K.NYPCFGFAAK.M	1782.946	0.00544	3	1	23.2	0
P12163_1_F2,22941	K.SGAIVLPDLVAVK.E	1890.188	0.00745	3	1	22.5	0
P12163_1_S1,21457	K.SGAIVLPDLVAVK.E	1890.188	0.007	3	1	26.7	0
P12163_1_F7,18822	R.AGNIAPPEALHIGDSFF	2101.098	0.00152	3	1	64.1	0
P12163_2_F10,17500	R.AGNIAPPEALHIGDSFF	2101.098	0.00041	3	1	31.5	0
P12163_2_S5,18263	R.AGNIAPPEALHIGDSFF	2101.098	0.0179	3	1	44.6	0
P12163_1_F2,21098	R.IYEIALER.A	1310.762	0.00564	2	1	28.8	0
P12163_1_F9,20416	R.IYEIALER.A	1310.762	0.00256	2	1	24.7	0
P12163_2_F1,21553	R.IYEIALER.A	1310.762	-0.00328	2	1	25.7	0
P12163_1_S10,11111	R.VHEGFK.L	1324.783	0.00675	3	1	29.2	0
P12163_2_F8_12070	R.VHEGFK.L	1324.783	0.00743	3	1	30.2	0
P12163_1_F3,14003	K.EADVETLSK.A	1599.905	0.00785	2	1	39	0
P12163_1_F4,14535	K.EADVETLSK.A	1599.905	0.00949	2	1	45.9	0
P12163_1_F9,17196	K.IFVHALR.K	1159.725	0.00462	3	1	24.1	0
P12163_2_F9,16231	K.IFVHALR.K	1159.725	0.0051	3	1	30.7	0
P12163_2_F9,16466	K.IFVHALR.K	1159.725	0.00237	3	1	30.9	0
P12163_1_F5,8030	K.SINESCQK.F	1573.846	0.00497	2	1	34.6	0
P12163_2_F2,8869	K.SINESCQK.F	1573.846	0.00271	2	1	36.5	0
P12163_1_F8,10865	K.VIERPLTENER.F	1659.933	0.00343	2	1	26.8	0
P12163_1_F4,19075	R.FALTVDGK.I	1458.878	0.00658	2	1	33.2	0
P12163_2_F1,18379	R.FALTVDGK.I	1458.878	0.00548	2	1	29	0
P12163_1_F3,20693	R.IVMVGDTLK.K	1583.965	0.00251	2	1	28.5	0
P12163_1_F3,20721	R.IVMVGDTLK.K	1583.965	0.00336	3	1	37.9	0
P12163_1_F2,17390	R.VFVTCTTGLNR.S	1571.852	0.00313	2	1	24.5	0
P12163_1_F3,12137	K.EAEPMSVDSK.A	1700.898	0.00684	2	1	33.7	0
P12163_2_F2,14187	K.EQGNTLFK.A	1544.889	0.00395	2	1	32.8	0
P12163_2_F2,14213	K.EQGNTLFK.A	1544.889	0.01175	3	1	22.1	0
P12163_2_F1,18468	K.FTLGQGNVIK.G	1685.021	0.00219	2	1	41.3	0
P12163_1_F5,18281	K.GWDIGIK.T	1396.841	0.00839	3	1	24.2	0
P12163_2_F2,18913	K.GWDIGIK.T	1396.841	0.00656	3	1	24	0
P12163_1_F4,18754	K.LQDGTVFVK.K	1614.968	0.00715	2	1	37.9	0
P12163_1_F4,18762	K.LQDGTVFVK.K	1614.968	0.00717	3	1	27.6	0
P12163_1_F5,11963	K.VACNLNNAACK.L	1842.977	0.00635	2	1	54.5	0
P12163_2_F1,12407	K.VACNLNNAACK.L	1842.977	0.00494	3	1	25.2	0
P12163_2_F1,12409	K.VACNLNNAACK.L	1842.977	0.00986	2	1	34.7	0
P12163_2_F2,12773	K.VACNLNNAACK.L	1842.977	0.00932	2	1	56.9	0
P12163_1_F8,16583	K.YIEYDTSFGDEEKK.Q	2636.386	0.00322	3	1	31.6	0
P12163_1_F6,18707	K.AFEQAQNCLLPM*GV	2792.376	0.00339	3	1	38.6	0
P12163_1_F6,20208	K.AFEQAQNCLLPM*GV	2792.376	0.00066	3	1	44	0
P12163_1_F6,20189	K.AFEQAQNCLLPMGVT	2776.381	0.00099	3	1	69.4	0
P12163_1_F8,6730	K.EQDQAAVDSHR.K	1559.772	0.00629	2	1	24.3	0
P12163_1_F8,6737	K.EQDQAAVDSHR.K	1559.772	0.00406	3	1	40.2	0

P12163_2_F6,6647	K.EQDQAAVDSHR.K	1559.772	0.00022	3	1	23.2	0
P12163_2_F6,6648	K.EQDQAAVDSHR.K	1559.772	0.00125	2	1	52.8	0
P12163_1_F7,17338	K.INVNGGALAIGHPLGT	2193.241	0.00306	3	1	32.6	0
P12163_2_S5,16477	K.INVNGGALAIGHPLGT	2193.241	0.00054	3	1	52.9	0
P12163_1_S1,12321	R.GDCADEL CNVR.K	1612.736	0.00446	3	1	53.2	0
P12163_1_F6,7658	R.KEQDQAAVDSHR.K	1992.072	0.00337	3	1	44.4	0
P12163_1_S1,23071	R.MAAFYAGFPETVPVR.	1960.03	0.00617	3	1	42.9	0
P12163_1_F3,23862	R.QCSSLQAVADVAAA	2297.274	0.00975	3	1	49.6	0
P12163_1_S1,15729	K.SDQELLEMSR.S	1511.768	0.00713	2	1	28.1	0
P12163_1_F2,18213	R.CAETLGNYLAER.N	1700.858	0.00654	2	1	28.1	0
P12163_1_S1,15100	R.NIMGISDVDR.A	1524.799	0.00008	3	1	36.8	0
P12163_1_F3,24684	R.QCFLAGLVIR.S	1480.861	0.00256	2	1	26.8	0
P12163_1_F5,19542	R.QDGLIGVLSTEEKS.S	2171.202	0.00449	3	1	29.6	0
P12163_1_S1,19352	R.QDGLIGVLSTEEKS.S	2171.202	0.00599	3	1	55.3	0
P12163_2_F10,1517	R.VEISAQNHNYAVDPA1	2675.461	0.00504	3	1	40.5	0
P12163_2_F10,1523	R.VEISAQNHNYAVDPA1	2675.461	0.00195	4	1	25.7	0
P12163_1_F4,23331	R.VIAYDFGIK.H	1633.977	0.0038	3	1	22.6	0
P12163_1_F4,23526	R.VIAYDFGIK.H	1633.977	0.0054	2	1	26.4	0
P12163_2_F1,22723	R.VIAYDFGIK.H	1633.977	0.00602	2	1	38.1	0
P12163_2_F9,20111	R.VIAYDFGIK.H	1633.977	0.00745	3	1	33.9	0
P12163_1_F6,18990	K.ETIHLISLKE	1749.073	0.00324	3	1	33.3	0
P12163_2_F6,18526	K.ETIHLISLKE	1749.073	0.00501	3	1	33.7	0
P12163_1_S1,20895	K.IGEDQLFYFQQR.G	1847.959	0.00165	2	1	35	0
P12163_1_S1,20896	K.IGEDQLFYFQQR.G	1847.959	0.00236	3	1	45.6	0
P12163_1_F9,9081	R.EHPDLVR.K	1169.658	0.0037	3	1	22.3	0
P12163_2_F1,7688	R.GLCAGDR.S	1052.546	0.00132	2	1	27.5	0
P12163_1_F4,13752	R.GLVQVQSK.A	1466.915	0.00834	2	1	37.1	0
P12163_1_F3,17269	R.INAMETGQFER.T	1599.81	0.00533	2	1	40.1	0
P12163_2_F1,16865	R.INAMETGQFER.T	1599.81	0.00227	2	1	30.1	0
P12163_1_F9,7485	R.VEHEASTSK.I	1595.885	0.00792	3	1	30.9	0
P12163_2_F7,7184	R.VEHEASTSK.I	1595.885	0.00537	3	1	30.1	0
P12163_2_F9,7967	R.VEHEASTSK.I	1595.885	0.00654	3	1	44	0
P12163_2_F4,12995	K.AGAEVIGISGDDSSSHI	2238.182	0.00484	2	1	34.3	0
P12163_2_S5,13033	K.AGAEVIGISGDDSSSHI	2238.182	0.00509	3	1	54.8	0
P12163_1_F8,19321	K.GKPVVVYFYPADETPC	3040.658	0.01004	3	1	37.4	0
P12163_1_F4,17331	K.GQAPPSFTLK.D	1653.978	0.00627	2	1	23.9	0
P12163_2_F1,16462	K.GQAPPSFTLK.D	1653.978	0.00614	3	1	26.8	0
P12163_1_F9,11700	K.HIDETLK.F	1463.868	0.00528	3	1	31.4	0
P12163_2_F9,10916	K.HIDETLK.F	1463.868	0.00711	3	1	46.2	0
P12163_2_F9,10931	K.HIDETLK.F	1463.868	0.00638	2	1	26.1	0
P12163_1_F3,22070	K.NGVVQLIYNNQFQPEF	2499.382	0.00357	3	1	25.6	0
P12163_2_F7,18944	R.LPYTLLSDEGNK.V	1958.105	0.00421	3	1	40.8	0
P12163_2_F8_12070	R.QTYVLDK.N	1474.873	0.00727	3	1	22.1	0
P12163_2_F8_12070	R.QTYVLDK.N	1474.873	0.0019	2	1	25.2	0
P12163_1_F4,14145	K.DIASVAQK.L	1439.868	0.0077	2	1	32	0
P12163_1_F5,15360	K.ISTLPNGVK.I	1536.957	0.01324	2	1	31.7	0
P12163_2_F1,15852	K.ISTLPNGVK.I	1536.957	0.00436	2	1	31.9	0
P12163_1_F2,19418	K.SAILM*NLESR.M ! K.S	1453.799	0.00316	3	1	40.7	0
P12163_2_F1,11250	K.TVEGV TAK.D	1412.857	-0.00677	3	1	27.9	0
P12163_1_F4,20007	R.EQMGYSFDALK.T	1896.999	0.00863	3	1	46.3	0
P12163_1_F4,20042	R.EQMGYSFDALK.T	1896.999	0.01565	2	1	35.8	0

P12163_1_F9,18537	R.EQMGYSFDALK.T	1896.999	0.01193	3	1	27.4	0
P12163_2_F1,19462	R.EQMGYSFDALK.T	1896.999	0.00181	2	1	35.6	0
P12163_1_F6,14122	R.KPVEHFLK.T	1910.199	0.01415	4	1	31.6	0
P12163_1_S1,11992	R.M*VVSEDIGR.Q	1325.704	0.00556	2	1	26.5	0
P12163_1_S1,14428	R.MVVSSEDIGR.Q	1309.709	0.00106	2	1	28.2	0
P12163_1_F8,17701	K.ARPLSLDDDAIR.V	1759.001	-0.00114	3	1	37.9	0
P12163_1_F8,17770	K.ARPLSLDDDAIR.V	1759.001	0.00499	2	1	34.6	0
P12163_2_F6,17226	K.ARPLSLDDDAIR.V	1759.001	-0.00004	3	1	30.9	0
P12163_1_S1,22684	K.NQVSYFPFALGPR.I	1799.975	0.00478	3	1	41.7	0
P12163_1_F3,20177	K.NVGFSMNDVIEECK.L	2250.135	0.01156	3	1	59.2	0
P12163_1_F5,20528	R.ASLMGIIK.N	1440.907	0.0088	2	1	37	0
P12163_1_F5,20537	R.ASLMGIIK.N	1440.907	0.00998	3	1	32.2	0
P12163_2_F1,21196	R.ASLMGIIK.N	1440.907	-0.00055	3	1	32.9	0
P12163_1_F9,8019	R.EIEEHGNNK.N	1677.902	0.01071	3	1	22.1	0
P12163_1_F3,20948	R.ICVGQNFALVEAK.M	2057.167	0.01365	3	1	36.5	0
P12163_1_F9,15566	R.VNPFLHK.L	1462.899	0.01192	3	1	21.9	0
P12163_2_F9,14593	R.VNPFLHK.L	1462.899	0.00352	3	1	29.6	0
P12163_1_S10,1891	K.GSFETIHIQDALGHEFA	2433.246	-0.00002	4	1	31.9	0
P12163_2_F10,1782	K.GSFETIHIQDALGHEFA	2433.246	0.00114	4	1	68.9	0
P12163_2_F8_12070	K.GSFETIHIQDALGHEFA	2433.246	0.00432	3	1	35.7	0
P12163_2_F8_12070	K.GSFETIHIQDALGHEFA	2433.246	0.00178	4	1	55.1	0
P12163_1_F2,20307	K.LSIIIEAR.K	1234.731	0.00276	2	1	30.9	0
P12163_1_S1,21699	K.TYPAGFMDVVSIPK.T	2133.187	0.00113	3	1	31.2	0
P12163_1_S1,24788	R.ECLPLILVLR.N	1529.939	0.00253	3	1	30.3	0
P12163_1_S1,23383	R.EVIAILMQR.H	1376.824	0.00148	3	1	35.4	0
P12163_1_F9,10664	R.HVLVDGK.V	1375.852	0.00455	3	1	24.7	0
P12163_1_F9,11118	R.HVLVDGK.V	1375.852	0.00253	3	1	29	0
P12163_2_F2,12487	R.SVQFGQK.G	1401.831	0.00994	2	1	27.7	0
P12163_2_F2,12526	R.SVQFGQK.G	1401.831	0.0057	3	1	28.8	0
P12163_2_F6,18352	K.EAYYQQLPQDQWAVI	2199.114	0.00312	2	1	35.6	0
P12163_2_F6,20953	K.IFFVHGFDSCR.H	1688.852	0.00168	3	1	44.8	0
P12163_2_F6,20957	K.IFFVHGFDSCR.H	1688.852	0.006	2	1	24.2	0
P12163_2_F7,18931	K.IFFVHGFDSCR.H	1688.852	0.00402	3	1	25.2	0
P12163_1_F2,8762	K.TCGSPGGPAVTAPR.I	1631.848	0.00506	3	1	55.6	0
P12163_1_S1,8562	K.TCGSPGGPAVTAPR.I	1631.848	0.0047	3	1	34.7	0
P12163_1_F4,10355	K.YIPHR.L	989.5834	0.00683	3	1	28.3	0
P12163_1_S10,1058	K.YIPHR.L	989.5834	0.00494	3	1	36.8	0
P12163_1_F2,7026	R.AGYGESDPNPNR.T	1580.761	0.00362	3	1	28.5	0
P12163_1_S1,20190	R.LVPVILQR.Y	1241.825	0.0048	3	1	30.2	0
P12163_1_F6,9358	R.QQGEYESLHR.D	1550.786	0.00046	3	1	38.7	0
P12163_2_S5,9353	R.QQGEYESLHR.D	1550.786	-0.00131	3	1	31.5	0
P12163_1_F6,10125	K.RPDSQEYGSYGK.R	2052.061	0.00654	3	1	24.5	0
P12163_1_F9,9839	K.RPDSQEYGSYGK.R	2052.061	0.00732	3	1	30.5	0
P12163_1_F9,8755	K.RPESEYGSYGK.R	1790.861	0.00407	3	1	44.2	0
P12163_2_F9,9296	K.RPESEYGSYGK.R	1790.861	0.00227	3	1	41	0
P12163_2_F9,12113	R.KPESEYEGGYGGGSEY	2806.43	0.00794	4	1	29.5	0
P12163_1_F9,8118	R.RPESGESFGGR.T	1539.782	0.00261	3	1	46.8	0
P12163_2_F9,8613	R.RPESGESFGGR.T	1539.782	0.00252	3	1	29	0
P12163_1_F4,9520	R.SDDEEGYK.K	1550.779	0.0066	2	1	25.7	0
P12163_1_F5,9992	R.SESEYGSYAK.R	1785.911	0.00712	2	1	50.7	0
P12163_2_F1,10420	R.SESEYGSYAK.R	1785.911	0.00546	3	1	36.7	0

P12163_1_F2,7899	R.TESEYGG SAYGR.K	1580.749	0.00307	3	1	30.6	0
P12163_2_F9,10117	R.TESEYGG SAYGR.K	1580.749	0.00131	2	1	48.7	0
P12163_1_F4,26058	K.AFM*ALVLK.G	1516.938	0.00569	3	1	24.2	0
P12163_2_F1,25255	K.AFMALVLK.G	1500.943	0.00336	3	1	31.8	0
P12163_1_F5,15305	K.EFAEGLEK.I	1530.862	0.00384	3	1	29.8	0
P12163_1_F5,15370	K.EFAEGLEK.I	1530.862	0.00859	2	1	36.7	0
P12163_2_F1,15678	K.EFAEGLEK.I	1530.862	0.00211	2	1	36.7	0
P12163_2_F2,21615	K.IEGEFK.G	1330.783	-0.00978	3	1	24.5	0
P12163_1_F7,14127	K.KVPVFIHGEK.V	2066.289	0.00784	4	1	28.9	0
P12163_2_F7,14898	K.VPVFIHGEK.V	1633.989	0.00484	3	1	26.4	0
P12163_2_F1,15659	K.YSEELMAK.A	1578.866	0.00687	2	1	29.8	0
P12163_2_F1,23148	R.LLELNPVYK.K	1697.046	0.00567	2	1	38.5	0
P12163_2_F1,23165	R.LLELNPVYK.K	1697.046	0.00409	3	1	27.7	0
P12163_2_F7,19750	R.LLELNPVYK.K	1697.046	0.00634	3	1	25	0
P12163_2_F1,16608	K.EFAPSIPAK.N	1567.93	0.00525	3	1	31	0
P12163_2_F2,17412	K.GEWSIVK.G	1426.851	0.00451	2	1	27.1	0
P12163_1_F7,18082	K.LSSALSAASSACDHIR.	1950.002	0.00228	3	1	41.8	0
P12163_1_F8,18897	K.LSSALSAASSACDHIR.	1950.002	0.00408	3	1	50.2	0
P12163_2_F6,18506	K.LSSALSAASSACDHIR.	1950.002	0.00372	3	1	39.5	0
P12163_1_F3,11295	K.NITCLTR.L	1181.661	0.00371	3	1	32.1	0
P12163_1_F5,12575	K.NVSIYK.A	1331.814	0.00794	3	1	23.9	0
P12163_1_S1,19406	K.VLVVANPANTNALILK	2258.406	-0.00189	4	1	29.3	0
P12163_1_S1,21147	K.VLVVANPANTNALILK	2258.406	0.00795	3	1	54.2	0
P12163_1_S1,21159	K.VLVVANPANTNALILK	2258.406	0.00171	4	1	43	0
P12163_2_F2,12791	R.GAAIK.A ! R.GAALLK	1180.787	0.00564	3	1	22.1	0
P12163_2_F1,24383	K.FFEVPTGWK.F	1718.973	0.00573	3	1	24.2	0
P12163_1_S1,21248	K.LVTVEDIVR.K	1347.815	0.00027	2	1	27.3	0
P12163_1_S1,22814	R.DSQEALAPLVEVALK.	2191.279	0.00684	3	1	35	0
P12163_1_F2,7144	R.LSGTGSEGATIR.L	1452.796	0.00081	3	1	23.9	0
P12163_1_F2,7926	R.LSGTGSEGATIR.L	1452.796	0.00459	3	1	26.6	0
P12163_1_F2,9646	R.LSGTGSEGATIR.L	1452.796	0.00249	3	1	38.2	0
P12163_2_F1,11853	R.LSGTGSEGATIR.L	1452.796	0.00422	2	1	39.1	0
P12163_2_F8_12070	R.LYIEQYK.D	1693.962	0.00417	3	1	23.7	0
P12163_1_F2,18353	R.SM*PTSAALDVVAK.N	1914.083	0.00561	3	1	28.4	0
P12163_1_F3,13762	R.YDYENV DAGAAK.E	1923.991	0.00532	2	1	26.1	0
P12163_1_F3,13796	R.YDYENV DAGAAK.E	1923.991	0.00683	3	1	44	0
P12163_1_F3,16695	-.MGESITDGTLAK.F	1831.009	0.00813	2	1	59.8	0
P12163_1_F4,10672	K.APSPPPK.R	1398.856	0.00811	2	1	37.5	0
P12163_1_F4,10341	K.EGETVEPGTK.I	1654.911	0.0115	2	1	27.8	0
P12163_2_F1,9470	K.EGETVEPGTK.I	1654.911	0.00584	2	1	35.6	0
P12163_1_F4,219	K.GLVVPVIR.N	1156.772	0.0034	2	1	25.2	0
P12163_1_F4,24998	K.LGLM*SGFVK.A	1575.939	0.0082	3	1	27.4	0
P12163_2_F1,24421	K.LGLM*SGFVK.A	1575.939	0.00142	3	1	31.2	0
P12163_2_F1,24343	K.LGLMSGFVK.A	1559.944	0.0022	3	1	26.3	0
P12163_1_F8,10042	K.SGEGVAHVAPSEK.I	1876.038	0.00803	3	1	24.3	0
P12163_2_F6,9925	K.SGEGVAHVAPSEK.I	1876.038	0.00494	3	1	40.2	0
P12163_1_F9,11572	K.VETVSEKPK.A	1929.178	0.00984	4	1	23.3	0
P12163_1_F5,11938	K.ACAEVGIK.S	1455.845	0.01018	2	1	34.5	0
P12163_2_F2,12811	K.ACAEVGIK.S	1455.845	0.01118	2	1	34.2	0
P12163_2_F2,12827	K.ACAEVGIK.S	1455.845	0.00257	3	1	26.5	0
P12163_1_S10,1609	K.ADATVTIVHSHTPDPE	2449.299	0.01211	4	1	23.6	0

P12163_2_F8_12070	K.ADATVTIVHSHTPDPE	2449.299	0.00647	4	1	27.1	0
P12163_1_F4,14828	K.ATIIDGK.A	1325.825	0.00852	2	1	24.4	0
P12163_2_F1,18206	K.GCLELLK.R	1440.87	0.00889	3	1	26.6	0
P12163_1_S10,8757	K.HINEEK.V	1377.795	0.00837	3	1	27.4	0
P12163_1_F4,22162	K.VLGEISLEK.D	1595.983	0.01101	3	1	22.3	0
P12163_1_F8,17031	R.LVGDVDFHEACK.V	1998.057	0.00552	2	1	50	0
P12163_1_F8,17068	R.LVGDVDFHEACK.V	1998.057	0.00888	3	1	26.8	0
P12163_1_F8,16207	K.LQNSYQGFVDSPHK.I	2228.192	0.00631	3	1	35.3	0
P12163_2_F6,15660	K.LQNSYQGFVDSPHK.I	2228.192	0.00808	3	1	63.5	0
P12163_1_F2,5931	K.VAASDEAAR.L	1193.643	0.00378	3	1	53.4	0
P12163_1_F3,17704	K.VNFPEVPR.G	1261.721	0.00593	2	1	34.4	0
P12163_1_F3,15319	R.APPVLPAAK.E	1471.946	0.00397	2	1	27	0
P12163_1_F3,15348	R.APPVLPAAK.E	1471.946	0.00557	3	1	30	0
P12163_1_F3,17888	R.DAFQGQPGLLSAK.V	1940.106	0.0033	2	1	48.3	0
P12163_1_F3,17906	R.DAFQGQPGLLSAK.V	1940.106	0.00643	3	1	48.7	0
P12163_1_F3,21695	R.GFGFVTMGSVEEAK.E	2067.104	0.00561	3	1	51.8	0
P12163_1_F3,21714	R.GFGFVTMGSVEEAK.E	2067.104	0.00663	2	1	73.4	0
P12163_1_F4,12861	R.LNMANER.A	1151.614	0.00335	2	1	30.2	0
P12163_1_F2,16309	K.AADM*FQNEEVTTSAI	2668.28	0.01413	3	1	27	0
P12163_1_F9,16954	K.GHLLNAGICQLCK.G	2092.162	0.00709	3	1	33.9	0
P12163_2_F4,12600	K.HEAAQAYVDAAHCYI	2342.181	0.00241	3	1	60.9	0
P12163_2_S3,12605	K.HEAAQAYVDAAHCYI	2342.181	0.01147	4	1	41.4	0
P12163_1_F9,12094	K.LANCHLK.L	1463.861	0.00625	3	1	27.2	0
P12163_1_F9,12112	K.LANCHLK.L	1463.861	0.00667	2	1	24.1	0
P12163_1_F7,18885	K.VAQYAAELEQYHK.S	2158.175	0.00344	3	1	75.1	0
P12163_2_F4,18441	K.VAQYAAELEQYHK.S	2158.175	0.00539	3	1	33.6	0
P12163_1_F3,20531	K.YEDAADLFDK.A	1794.937	0.00792	2	1	35.9	0
P12163_1_F5,14259	R.QSLNNLLK.Y	1651.995	0.00811	2	1	30.8	0
P12163_2_F2,15031	R.QSLNNLLK.Y	1651.995	0.00538	2	1	36.7	0
P12163_2_F7,13734	K.GSHMLQIDVNSEK.G	2066.116	0.00124	3	1	29.4	0
P12163_1_S1,22513	K.LLYVTCLYTGTR.E	1820.988	0.00462	3	1	22.8	0
P12163_1_S1,23876	K.LLYVTCLYTGTR.E	1820.988	0.00945	3	1	40.6	0
P12163_1_F2,16620	K.VVEPADIVQK.T	1706.031	0.00353	3	1	25.8	0
P12163_1_F3,17188	K.VVEPADIVQK.T	1706.031	0.00604	2	1	32.8	0
P12163_1_F3,17196	K.VVEPADIVQK.T	1706.031	0.0047	3	1	24	0
P12163_1_F5,9380	R.APSLHK.V	1260.788	0.0106	3	1	29.3	0
P12163_2_F4,9478	R.APSLHK.V	1260.788	0.00472	3	1	26.1	0
P12163_1_S1,24791	R.FLVPLSVSGR.I	1491.92	0.00268	3	1	42.4	0
P12163_1_F3,20282	R.GGPQMIQLSLDGK.R	1952.109	-0.00043	3	1	36.7	0
P12163_1_F5,12213	R.QYNIEDPK.N	1614.895	0.00859	2	1	27.4	0
P12163_1_F3,22175	K.ELISASELEELK.L	1969.131	0.0101	3	1	38.5	0
P12163_1_F3,22193	K.ELISASELEELK.L	1969.131	0.005	2	1	62	0
P12163_2_F9,16933	K.RFIGLEEQIK.K	1938.163	0.00441	3	1	27.8	0
P12163_2_F2,17511	K.SLENLNLK.S	1538.936	0.00499	2	1	42.5	0
P12163_2_F2,17552	K.SLENLNLK.S	1538.936	0.00026	3	1	32.5	0
P12163_1_F4,5092	R.AAESSES.R.G	1140.58	0.00409	2	1	28.5	0
P12163_2_F1,4419	R.AAESSES.R.G	1140.58	0.00331	2	1	29.7	0
P12163_1_F2,15805	R.EGCTVTTLTVTAEPK.N	2215.21	0.00661	3	1	29	0
P12163_2_F2,5763	R.SSNSDQSK.L	1460.78	0.00637	2	1	32.1	0
P12163_1_F7,15632	R.VDCQLLQHLHSENK.L	2329.254	0.00467	4	1	34.2	0
P12163_1_F7,15649	R.VDCQLLQHLHSENK.L	2329.254	0.00692	3	1	31.5	0

P12163_1_F3,24221	K.ALAVFALR.D ! K.ALA	1164.741	0.00214	2	1	26.9	0
P12163_1_F4,24303	K.AVELWLADK.A	1652.983	0.0123	3	1	29.4	0
P12163_1_F4,24305	K.AVELWLADK.A	1652.983	0.00912	2	1	47.4	0
P12163_1_F3,18638	K.GLPGSFSEDAALK.A	1900.064	0.00828	3	1	35.7	0
P12163_1_F5,5544	K.SADNQNTGK.S	1542.833	0.01211	2	1	28.8	0
P12163_2_F1,5736	K.SADNQNTGK.S	1542.833	0.00747	2	1	31.6	0
P12163_2_F1,10067	K.SSNVNDVPGK.L	1624.911	0.00569	2	1	36.4	0
P12163_1_S1,22563	R.AAEIYGLNILADR.I	1722.969	0.00247	2	1	61.5	0
P12163_1_S1,22580	R.AAEIYGLNILADR.I	1722.969	0.00161	3	1	52.7	0
P12163_1_F3,10354	R.VVDDSNTGTAK.Y	1714.943	0.00434	2	1	34.7	0
P12163_2_F9,7581	K.AGM*THIVR.D	1204.677	0.00184	3	1	28.2	0
P12163_1_F9,11162	K.AGMTHIVR.D	1188.682	0.00316	3	1	31.4	0
P12163_2_F9,10645	K.AGMTHIVR.D	1188.682	0.00211	3	1	22.6	0
P12163_1_F2,21767	K.DEM*IDIIGVTK.G	1858.045	0.00324	3	1	38.7	0
P12163_2_F2,14291	K.SIQAQLEK.I	1524.921	0.00983	2	1	53.3	0
P12163_1_F4,23800	K.VDYAYGFFEK.Q	1846.984	0.00067	2	1	32.6	0
P12163_2_F9,20554	K.VDYAYGFFEK.Q	1846.984	0.00853	3	1	26.5	0
P12163_2_F4,14721	R.HGSLGFLPR.K	1287.747	0.00329	3	1	34.1	0
P12163_1_F5,18186	R.LALEEIK.I ! R.LALEEII	1423.898	0.00765	2	1	26.2	0
P12163_1_F9,12913	R.VLAHTQIR.K	1241.763	0.00392	3	1	22.8	0
P12163_1_F5,20073	K.AGLLDQLK.S	1465.92	0.0087	3	1	32.8	0
P12163_1_F3,11359	K.GAGEVLSGR.G	1149.653	0.0046	2	1	26.7	0
P12163_1_F4,5353	K.GEESNECER.F	1413.622	0.00193	2	1	30.3	0
P12163_2_F1,8480	K.GVTECEK.F	1430.777	0.0041	3	1	23.3	0
P12163_2_F2,8734	K.GVTECEK.F	1430.777	-0.00079	2	1	28.2	0
P12163_1_F4,15768	M.AADEIELK.T	1496.878	0.00923	2	1	35.1	0
P12163_1_F3,22269	R.LGDYSDWLQK.R	1833	0.00666	2	1	29.1	0
P12163_1_F4,22876	R.LGDYSDWLQK.R	1833	0.02438	2	1	29.4	0
P12163_1_F9,13978	R.YIEFHR.C	1168.642	0.00629	3	1	23.6	0
P12163_2_F8_12070	R.YIEFHR.C	1168.642	0.00545	3	1	23.9	0
P12163_1_S1,23793	K.DTLADDLLAPVLK.A	1992.184	0.00721	3	1	35.6	0
P12163_1_F2,15621	K.VEIFTQAR.D	1267.731	0.00383	3	1	34.3	0
P12163_1_F2,19169	K.VEIFTQAR.D	1267.731	0.00659	2	1	24	0
P12163_2_S5,14809	K.VNVNGGAVALGHPLC	2135.199	0.0011	3	1	25.3	0
P12163_2_F2,8638	R.AAAATASGK.F	1355.81	-0.00432	2	1	34.5	0
P12163_1_F4,24658	R.CVATLLSEM*K.R	1775.986	0.00894	3	1	28.5	0
P12163_1_F4,24666	R.CVATLLSEM.K.R	1759.991	0.00723	2	1	37.1	0
P12163_1_F4,24751	R.CVATLLSEM.K.R	1759.991	0.00876	3	1	41.9	0
P12163_1_S1,12559	R.GDCVDELCNAR.M	1612.736	0.00488	2	1	24.4	0
P12163_1_F3,22538	R.QCSSGLQAVADVATA	2327.285	0.01006	3	1	58.1	0
P12163_2_F2,11709	K.ATALAGQK.T	1367.847	0.00039	2	1	32.7	0
P12163_1_F3,24793	K.GVADFLQEVTSK.K	1902.079	0.01008	3	1	43.7	0
P12163_1_F3,24810	K.GVADFLQEVTSK.K	1902.079	0.00251	2	1	51.5	0
P12163_2_F9,10613	K.IHEPTVGK.L	1488.899	0.00354	3	1	24.8	0
P12163_1_S1,22245	K.TTLM DVLAGR.K	1380.782	0.00404	2	1	38.6	0
P12163_1_F3,22766	R.MTLLLGPPGAGK.T ! -.	1763.071	0.00862	2	1	37.5	0
P12163_1_F3,22782	R.MTLLLGPPGAGK.T ! -.	1763.071	0.00918	3	1	36.8	0
P12163_2_F1,23085	R.MTLLLGPPGAGK.T ! -.	1763.071	0.00332	2	1	26.8	0
P12163_1_F9,10964	R.THPAALVK.N	1444.91	0.00892	3	1	31.7	0
P12163_1_F4,18048	R.VGIDIPK.I ! R.VGIDLPI	1349.861	0.01075	2	1	24.8	0
P12163_1_S10,1014	K.AAFHEK.F	1310.768	0.00863	3	1	25.9	0

P12163_2_F2,13029	K.AGLQASQIK.V	1523.937	0.00716	2	1	48.9	0
P12163_1_F2,18757	K.M*EEAM*GACDCIITK	2269.079	0.00676	3	1	23.6	0
P12163_1_F8,21647	K.VLILMSDTGGGHR.A	1659.915	0.00248	3	1	24.2	0
P12163_2_F6,21264	K.VLILMSDTGGGHR.A	1659.915	-0.00196	3	1	23.3	0
P12163_2_F2,10572	R.ASAEAIK.A	1297.794	0.0044	3	1	36.5	0
P12163_1_F4,13508	R.CYCPTADVAK.R	1792.918	0.00828	3	1	35.4	0
P12163_2_F1,12545	R.CYCPTADVAK.R	1792.918	0.0084	2	1	27.3	0
P12163_1_F5,18029	R.SYNFLVK.H	1478.883	0.0053	2	1	26.8	0
P12163_2_F2,18684	R.SYNFLVK.H	1478.883	-0.005	2	1	26.6	0
P12163_1_S1,22711	K.ADLDSALIDQLGLK.E	2080.211	0.00479	3	1	41	0
P12163_1_F2,10342	K.GEEGALSMTR.L	1455.741	0.00185	3	1	46.5	0
P12163_1_F2,11163	K.GEEGALSMTR.L	1455.741	0.00417	3	1	41.5	0
P12163_1_F2,22878	K.VLDTILR.S	1133.72	0.00254	2	1	24.1	0
P12163_1_F3,18494	R.DVLPLQVDNK.A	1749.037	0.00483	2	1	43.3	0
P12163_1_F3,18510	R.DVLPLQVDNK.A	1749.037	0.00627	3	1	28.3	0
P12163_1_F7,19259	R.EVLAGGHLGYEEVQG	2230.213	0.00291	3	1	44.6	0
P12163_1_F9,12209	R.GVHSGLVVK.G	1503.947	0.00354	3	1	33.9	0
P12163_2_F9,11063	R.GVHSGLVVK.G	1503.947	0.00493	2	1	26.9	0
P12163_1_F2,19218	R.STLFVAAVR.S	1267.768	0.00352	2	1	27.2	0
P12163_1_F9,18475	K.HILEIIAK.E	1544.998	0.00943	3	1	44.4	0
P12163_2_F7,16499	K.HILEIIAK.E	1544.998	0.00526	3	1	39.2	0
P12163_2_F9,17534	K.HILEIIAK.E	1544.998	0.00451	3	1	25.6	0
P12163_1_F2,20761	K.IQQQDIVDVLDK.Q	2022.169	0.00428	3	1	35.2	0
P12163_1_F2,20789	K.IQQQDIVDVLDK.Q	2022.169	0.00566	3	1	52.5	0
P12163_1_F7,22156	K.LDSSEVAADVFTEDLK	2487.391	0.00129	3	1	34	0
P12163_1_F4,25101	K.LPYTYFLEK.L	1782.03	0.00897	3	1	25.2	0
P12163_1_F4,18349	K.LSEEVDLNAK.F	1813.016	-0.00164	2	1	38.4	0
P12163_1_F4,18058	R.ITGLEVEEK.L	1625.957	0.00613	3	1	25.7	0
P12163_1_F2,12873	R.TVGFSGADIR.N	1326.732	0.00409	3	1	32.1	0
P12163_2_F6,19618	K.AIEPIYGHWIR.S	1658.932	-0.00076	3	1	28.1	0
P12163_1_F3,23388	K.ASLGSVDFITSLCK.S	2106.172	0.00832	3	1	39.3	0
P12163_1_F4,21135	K.EALAVAAAMEK.G	1711.987	0.00695	2	1	53.5	0
P12163_1_F4,21159	K.EALAVAAAMEK.G	1711.987	0.0053	3	1	35.9	0
P12163_2_F1,20603	K.EALAVAAAMEK.G	1711.987	-0.00667	2	1	35.1	0
P12163_2_F9,6562	K.GTTHPIGR.A	1142.658	-0.00138	3	1	41.5	0
P12163_1_S10,1035	K.HSVLQK.K	1319.826	0.00412	3	1	31.3	0
P12163_2_F6,19155	R.IVQLTEEAQLNPK.L	2523.527	0.00552	4	1	43.5	0
P12163_2_F7,18763	R.QDIQHILINQFK.S	1992.149	0.00411	3	1	25.5	0
P12163_2_S5,16346	K.DITPDDKQELDEALQR	2494.324	0.0059	4	1	33.4	0
P12163_1_F3,18137	K.GDPGIAALYDK.L	1727.979	0.00371	2	1	26	0
P12163_1_F3,23311	K.LLVSEELQPFGEK.L	2097.205	0.01013	3	1	36.6	0
P12163_1_F3,23313	K.LLVSEELQPFGEK.L	2097.205	0.01181	2	1	48.5	0
P12163_2_F8_12070	K.RQEWLLSELR.G	1633.933	0.00067	3	1	52	0
P12163_2_F6,17057	K.SLLLQVAGHR.D	1397.853	-0.00043	3	1	41.1	0
P12163_1_F3,20217	R.DLLEGDPYLK.Q ! K.DI	1771.01	0.00961	3	1	36.1	0
P12163_1_F4,19269	R.LVVQLK.K	1307.887	0.0104	3	1	22.7	0
P12163_2_F1,18518	R.LVVQLK.K	1307.887	0.00713	3	1	22.9	0
P12163_1_S1,10305	K.DFVTASDGR.K	1271.653	0.00377	3	1	25.7	0
P12163_1_F6,15978	K.LQHGEYISLGK.I ! K.LI	1853.074	0.00769	3	1	22.5	0
P12163_1_F5,17440	K.LSAVSSSLK.T	1499.925	0.00627	2	1	24	0
P12163_1_F5,19734	K.NLFNIGYK.R	1576.931	0.00798	3	1	27	0

P12163_2_F2,20319	K.NLFNIGYK.R	1576.931	0.00222	3	1	26.4	0
P12163_2_F2,20378	K.NLFNIGYK.R	1576.931	0.00169	2	1	31.7	0
P12163_1_F4,18872	K.YEDLSELCKN.A	1878.973	0.0166	2	1	33.8	0
P12163_1_F8,20850	R.ACSFASGLVNFVGHVNI	2256.113	0.00346	3	1	44.8	0
P12163_1_F3,23880	R.NAQIPELVEVPWK.G	2131.237	0.00362	3	1	23.2	0
P12163_1_F8,17539	K.ADGFAGVFPCHK.Y ! f	1883.027	0.01005	3	1	39.8	0
P12163_2_F6,17048	K.ADGFAGVFPCHK.Y ! f	1883.027	0.00294	3	1	39.6	0
P12163_1_F3,19031	K.MITGDQLAIK.E	1769.045	0.01124	3	1	35.5	0
P12163_1_F9,14383	K.VHAIIDK.Y ! R.VHAIID	1403.883	0.00995	3	1	30.8	0
P12163_1_F4,18782	R.ALNLGVNVK.M	1535.973	0.01072	3	1	32.1	0
P12163_2_F1,18020	R.ALNLGVNVK.M	1535.973	-0.00017	2	1	35.9	0
P12163_1_F8,21498	R.EVHFFPFNPVVK.R	2084.143	0.01032	3	1	26.8	0
P12163_2_S5,6781	R.HDSAETIR.R	1232.654	-0.00015	3	1	26.8	0
P12163_2_F1,20053	R.LLEGDPLK.I ! R.LLEGI	1492.919	0.0018	2	1	26.8	0
P12163_1_F7,19835	K.DLIIDHASLFPAR.D	1772.001	-0.00101	3	1	35	0
P12163_1_F7,19898	K.DLIIDHASLFPAR.D	1772.001	0.00121	2	1	47.9	0
P12163_2_S5,19046	K.DLIIDHASLFPAR.D	1772.001	0.00055	3	1	37.1	0
P12163_1_F3,25272	K.DSGILAYTSPNPSIF.-	1885.985	0.00264	2	1	42.2	0
P12163_1_F6,11031	K.EIHESIK.K	1463.868	0.00621	2	1	25.7	0
P12163_1_S1,22627	K.FYGDAEFLNLPR.L	1745.916	0.001	3	1	40.4	0
P12163_1_F2,23793	K.VIDATTAFFVK.N	1891.115	0.00411	3	1	47.8	0
P12163_2_F1,23083	R.EFVWTSWCK.T	1850.972	0.00799	3	1	23.3	0
P12163_1_S1,8031	R.ESDDESVPER.L	1580.734	0.00379	2	1	51.8	0
P12163_1_S1,9667	K.AGATAVGLSGM*DGR	1582.816	0.00319	3	1	24.7	0
P12163_1_S1,12522	K.AGATAVGLSGMDGR.J	1566.821	0.00544	3	1	48.9	0
P12163_1_S1,14292	K.AGATAVGLSGMDGR.J	1566.821	0.00559	3	1	68.5	0
P12163_1_F4,21043	K.DNLLASVVK.D	1566.967	0.0027	3	1	28.8	0
P12163_1_F2,19909	K.LGFVGEVAR.V	1251.736	0.00194	2	1	32.2	0
P12163_1_F2,21334	R.FGIEPVFR.D	1268.73	0.00315	2	1	24.3	0
P12163_1_F4,7037	R.SLAQGVR.T	1034.626	0.00404	3	1	28.5	0
P12163_1_S1,9384	R.TASIIDGR.V	1136.658	0.00195	3	1	22.5	0
P12163_1_S1,24450	R.VDILSESLPFIQK.F	2097.242	0.00701	3	1	51.4	0
P12163_2_F6,21873	K.RGEDDIFSLAFAR.I	1800.955	0.00388	3	1	29.4	0
P12163_1_F6,18584	K.VVADAGHSANEPGIA.	2971.594	0.00558	4	1	31.3	0
P12163_1_F2,13176	R.DLIPENER.S	1289.7	0.00132	2	1	25.2	0
P12163_1_S1,22855	R.FFDPDFYR.I	1410.7	0.00357	2	1	27.3	0
P12163_1_S1,22881	R.FFDPDFYR.I	1410.7	0.00266	3	1	26.5	0
P12163_1_F9,11676	R.HINATIVQGR.Y	1412.828	0.00342	3	1	35.4	0
P12163_2_F9,15400	R.IENHYFLNK.G	1786.011	0.00722	3	1	25	0
P12163_1_F4,16411	R.SCFVDAYSK.R	1684.882	0.00664	2	1	33.7	0
P12163_2_F1,15479	R.SCFVDAYSK.R	1684.882	0.0028	2	1	31.3	0
P12163_2_F1,19117	K.LPNNIFER.S	1306.742	0.00451	2	1	26.4	0
P12163_1_F4,27213	K.NAIVSGLGLLGIK.Q	1863.189	0.00876	3	1	57	0
P12163_1_S1,7153	K.QGNVDSVEEEAR.A	1636.808	0.00596	3	1	28.3	0
P12163_1_F2,17533	K.TMMDLPAGFR.Q	1442.744	0.00284	3	1	27.4	0
P12163_2_F1,18575	R.FDLQNTLQK.L	1714.995	0.00418	2	1	39.7	0
P12163_1_F5,17589	R.IHSLFYK.A	1515.914	0.01002	3	1	34.1	0
P12163_2_F4,16665	R.IHSLFYK.A	1515.914	0.00156	3	1	25.6	0
P12163_1_F3,23266	R.MLADPAFLYK.L	1777.018	0.01002	3	1	22.9	0
P12163_1_F4,10183	K.ENQDEIQTK.N	1712.927	0.00967	2	1	30	0
P12163_1_F5,18320	K.FASLVSNSSK.K	1647.953	-0.00101	2	1	30.8	0

P12163_1_F6,21185	K.M*NILVEPDVHDIFAR.	2089.105	0.00657	3	1	47.2	0
P12163_1_S1,15208	K.NLDEQVISSSVR.D	1650.896	0.00234	3	1	58.8	0
P12163_1_F3,14843	K.NVCYDSGFPR.G	1518.731	0.00646	2	1	32.1	0
P12163_1_F2,18438	R.CASQISGQTITSNDVLI	2543.396	-0.00145	3	1	46.3	0
P12163_1_F4,12543	R.GGQVTEEGLK.W	1625.932	0.00681	2	1	42.2	0
P12163_2_F1,11571	R.GGQVTEEGLK.W	1625.932	0.00837	2	1	34.3	0
P12163_1_F4,11028	K.AESQLSSESSQTK.G	1990.055	0.00525	2	1	29.6	0
P12163_2_F1,11450	K.GSFSQGDGYK.S	1653.869	0.00468	2	1	41.9	0
P12163_2_S5,19725	K.LIADYWDPHGVAPK.L	2190.217	0.00695	4	1	30.4	0
P12163_1_S1,19972	K.LPPDIAGTFSGVTEK.V	2140.211	0.00431	3	1	38	0
P12163_1_S1,13396	R.DGSGDFEIR.N	1299.648	0.00466	2	1	34.8	0
P12163_1_S1,18810	R.GEGLSDLATR.L	1435.806	0.00594	3	1	56.5	0
P12163_1_S1,19560	R.GEGLSDLATR.L	1435.806	0.0025	2	1	28.3	0
P12163_1_S1,17365	R.LCGSGDIFSDGR.G	1587.774	0.00406	2	1	26.2	0
P12163_2_S3,13332	K.EHGQLCPDHVPEVYH	2539.209	0.00313	4	1	24.2	0
P12163_2_F1,20407	K.FDALTIK.E	1415.872	-0.00055	2	1	25.4	0
P12163_2_F2,21550	K.SLLEYIK.A	1473.914	0.00507	2	1	24.1	0
P12163_1_F5,21896	R.AYFEALALK.E	1633.977	0.00382	3	1	27.1	0
P12163_2_F9,19903	R.AYFEALALK.E	1633.977	0.00745	3	1	37.4	0
P12163_1_F3,20775	R.LTEQVVFSDPYK.V	2034.137	0.0003	2	1	34.1	0
P12163_1_S1,24327	R.NFQAITEVVSAIR.K	1751.996	-0.00056	3	1	44.5	0
P12163_2_F2,15005	R.QALELAK.L	1380.867	0.00401	2	1	27.7	0
P12163_1_F2,14916	K.DTQVIPIR.R	1245.747	0.00632	2	1	27.8	0
P12163_1_F9,13227	K.HAIIIASK.K	1460.941	0.00673	3	1	34.6	0
P12163_1_F3,13887	K.QDIIVSNSSEDK.S	1856.022	0.00479	2	1	43	0
P12163_2_F1,11815	R.GWNESASPNVR.G	1520.776	0.00532	2	1	25	0
P12163_1_F2,23616	R.LVLGDLQTPFVK.Y	1938.188	0.00704	3	1	31.9	0
P12163_1_F8,19871	R.NPFVICGATHVPIYR.G	2048.105	-0.00195	3	1	38.4	0
P12163_2_F6,19483	R.NPFVICGATHVPIYR.G	2048.105	0.00153	3	1	26.3	0
P12163_1_S1,20514	R.VVIFDLQQR.L	1421.842	0.00536	3	1	52.8	0
P12163_2_F4,9524	K.HVSVVAK.L	1347.857	0.00749	3	1	32.3	0
P12163_1_F4,21219	K.LCEAVEAMK.L	1658.907	0.01516	2	1	30.8	0
P12163_1_F2,18106	K.LDSLVM*GSR.G	1297.709	0.0029	3	1	30.4	0
P12163_2_F1,24034	K.WAIDNLEK.G	1710.005	0.00065	2	1	34.7	0
P12163_1_F9,18026	R.DKLCEAVEAMK.L	2206.234	0.00782	4	1	35.2	0
P12163_2_F9,17315	R.DKLCEAVEAMK.L	2206.234	0.00478	4	1	37.9	0
P12163_2_F1,11047	R.GLGTIQR.V	1048.642	0.00123	2	1	25.1	0
P12163_1_F3,20708	R.SIGVALDFSK.G	1644.978	0.00571	2	1	50.8	0
P12163_1_F3,20869	K.AVLIGINYPGTK.A	1854.131	0.00419	2	1	41.9	0
P12163_2_F1,9867	K.DVYAGGSK.R	1404.794	0.0026	3	1	36.7	0
P12163_1_F3,29229	K.SLPLSTLIEILK.Q	1935.235	0.00598	2	1	41.4	0
P12163_1_F3,29236	K.SLPLSTLIEILK.Q	1935.235	0.00804	3	1	35.1	0
P12163_1_F4,12257	R.EVEAGYGEGGYHK.N	2004.028	0.00852	3	1	52.1	0
P12163_1_F9,15489	R.GIHIPSGLR.H	1253.763	0.00437	3	1	23.5	0
P12163_1_F3,4740	R.HHRPSGDEDVEDR.E	1852.884	0.00259	3	1	29.1	0
P12163_2_S3,14608	R.SAEPGDVLFVHYSGH	2233.13	-0.00565	4	1	23.3	0
P12163_1_S1,15974	K.DVVACLNEAM*ER.Q	1726.841	0.00227	2	1	29.3	0
P12163_1_S1,16257	K.GLPLTEFDR.D	1351.752	0.00418	3	1	25.2	0
P12163_2_F7,10473	K.NVVIEHTK.D	1547.937	-0.0025	3	1	22.8	0
P12163_1_F3,17658	R.AGLVVDGGGELK.M	1723.021	0.00763	2	1	53.9	0
P12163_1_F3,23949	R.LAGAGIVSILQK.I	1778.136	0.00371	3	1	60.5	0

P12163_1_S1,17562	R.SDVNVSVAPILTK.L	1951.168	0.00662	3	1	31.1	0
P12163_2_F1,10664	R.VQLGGQEER.V	1319.722	0.00244	2	1	26.8	0
P12163_2_F6,15320	K.SAELETAVIEKPPSQR..	2363.339	0.00582	3	1	32.3	0
P12163_1_F3,21571	K.VTEEIALDSFANK.T	2045.137	0.01113	3	1	41.5	0
P12163_2_F6,19048	R.DLIYEVHVR.G	1560.905	0.0028	3	1	43.5	0
P12163_2_F2,20879	R.FCCLLTK.F	1549.869	0.01038	2	1	26.3	0
P12163_1_F3,27110	R.FVAFTLIDSVK.G	1848.109	0.00476	3	1	27.7	0
P12163_1_F2,20724	R.GVDNSVYYM*LAPK.C	2081.12	-0.0004	3	1	29.2	0
P12163_2_F9,12424	R.NCGHDAINEFK.L	1912.98	0.00929	3	1	26.7	0
P12163_1_F7,21817	K.AHGLAQASIADCVTEI	2522.297	0.00618	3	1	46.2	0
P12163_1_F9,9645	K.HVEDENIK.L	1591.89	0.00627	3	1	38.2	0
P12163_1_F4,16210	K.SGSVTALVGSSGAGK.	1886.08	0.00736	3	1	46.7	0
P12163_2_F1,11613	R.INDSVSPSEK.V	1683.937	0.00371	2	1	30.6	0
P12163_1_F7,15249	R.LSTVQNAHQIALCSDG	2174.129	0.00443	3	1	31.3	0
P12163_1_F4,16199	R.QVLAYQQSGIK.L	1843.09	0.0071	3	1	23.8	0
P12163_2_F6,12274	R.TTIVIAHR.L ! R.TTLVI	1214.752	0.00149	3	1	47.2	0
P12163_1_F7,17733	K.AIGCELDLSDKPM*GL	2555.378	0.00083	4	1	28.5	0
P12163_1_F7,17768	K.AIGCELDLSDKPM*GL	2555.378	0.00629	3	1	31.4	0
P12163_1_F7,19201	K.AIGCELDLSDKPM*GL	2555.378	0.00699	4	1	21.9	0
P12163_1_F7,19380	K.AIGCELDLSDKPM*GL	2555.378	0.00701	3	1	29.2	0
P12163_1_F8,18649	K.AIGCELDLSDKPM*GL	2555.378	0.00355	4	1	27.7	0
P12163_1_F8,18739	K.AIGCELDLSDKPM*GL	2555.378	0.00545	3	1	28.5	0
P12163_1_F8,20245	K.AIGCELDLSDKPM*GL	2555.378	0.00347	3	1	30.9	0
P12163_2_S5,17027	K.AIGCELDLSDKPM*GL	2555.378	0.00379	4	1	40.9	0
P12163_2_S5,17070	K.AIGCELDLSDKPM*GL	2555.378	0.00178	2	1	39.4	0
P12163_1_F7,19199	K.AIGCELDLSDKPMGLC	2539.383	0.00734	3	1	37	0
P12163_1_F7,19206	K.AIGCELDLSDKPMGLC	2539.383	0.01096	4	1	24.2	0
P12163_1_F7,19212	K.AIGCELDLSDKPMGLC	2539.383	0.00284	2	1	35.2	0
P12163_1_F8,20262	K.AIGCELDLSDKPMGLC	2539.383	0.00563	3	1	38.5	0
P12163_2_S5,18389	K.AIGCELDLSDKPMGLC	2539.383	0.00724	4	1	27.7	0
P12163_1_F2,22667	K.AILFAVPGAFTPTCSQF	2416.352	-0.00275	3	1	28.6	0
P12163_1_F2,23884	K.AILFAVPGAFTPTCSQF	2416.352	0.00649	3	1	49.1	0
P12163_1_F3,25080	K.AILFAVPGAFTPTCSQF	2416.352	0.00073	3	1	47.7	0
P12163_1_F4,25874	K.AILFAVPGAFTPTCSQF	2416.352	0.00526	3	1	38.9	0
P12163_1_F5,23767	K.AILFAVPGAFTPTCSQF	2416.352	0.00103	3	1	38.9	0
P12163_1_S1,21437	K.AILFAVPGAFTPTCSQF	2416.352	-0.00016	4	1	24.4	0
P12163_1_S1,21621	K.AILFAVPGAFTPTCSQF	2416.352	-0.0026	4	1	29	0
P12163_1_S1,22722	K.AILFAVPGAFTPTCSQF	2416.352	0.00476	4	1	35.8	0
P12163_1_S1,22754	K.AILFAVPGAFTPTCSQF	2416.352	0.00661	3	1	46.6	0
P12163_1_S1,22768	K.AILFAVPGAFTPTCSQF	2416.352	-0.00247	2	1	37.7	0
P12163_1_S1,22935	K.AILFAVPGAFTPTCSQF	2416.352	0.00464	4	1	43.8	0
P12163_1_S1,22959	K.AILFAVPGAFTPTCSQF	2416.352	0.01051	3	1	44	0
P12163_1_F3,13690	K.ATPVSAAISVGDK.L	1824.069	0.00328	2	1	28.4	0
P12163_1_F3,16787	K.ATPVSAAISVGDK.L	1824.069	0.00376	3	1	31.3	0
P12163_1_F3,16789	K.ATPVSAAISVGDK.L	1824.069	-0.0001	2	1	50.9	0
P12163_1_F7,14314	K.HLPGFVEK.S	1534.92	-0.0025	3	1	28	0
P12163_1_F9,15325	K.HLPGFVEK.S	1534.92	0.00694	2	1	24.7	0
P12163_1_F9,15329	K.HLPGFVEK.S	1534.92	0.0032	3	1	45.1	0
P12163_1_F9,15870	K.HLPGFVEK.S	1534.92	0.00674	3	1	25.1	0
P12163_1_F9,18837	K.HLPGFVEK.S	1534.92	0.00329	3	1	25.3	0
P12163_1_F9,19042	K.HLPGFVEK.S	1534.92	0.0053	3	1	36	0

P12163_1_F9,21365	K.HLPGFVEK.S	1534.92	0.00344	3	1	30.1	0
P12163_1_S10,1525	K.HLPGFVEK.S	1534.92	0.00593	3	1	35.1	0
P12163_2_F10,1409	K.HLPGFVEK.S	1534.92	0.01097	3	1	32.9	0
P12163_2_F9,14154	K.HLPGFVEK.S	1534.92	0.00294	4	1	30.8	0
P12163_2_F9,14301	K.HLPGFVEK.S	1534.92	0.00509	3	1	33.3	0
P12163_2_F9,14363	K.HLPGFVEK.S	1534.92	0.0049	4	1	34.3	0
P12163_2_F9,14546	K.HLPGFVEK.S	1534.92	0.00521	3	1	31.3	0
P12163_1_F9,16427	R.RYALLAENGVVK.V	1941.174	0.00879	3	1	36.3	0
P12163_2_F4,15492	R.RYALLAENGVVK.V	1941.174	0.00123	3	1	33.8	0
P12163_1_F4,21198	R.YALLAENGVVK.V	1785.073	0.00579	2	1	62.9	0
P12163_1_F4,21250	R.YALLAENGVVK.V	1785.073	0.00681	3	1	59.2	0
P12163_1_F4,23102	R.YALLAENGVVK.V	1785.073	-0.00429	2	1	43.1	0
P12163_1_F4,23129	R.YALLAENGVVK.V	1785.073	-0.00594	3	1	28.2	0
P12163_1_F4,23383	R.YALLAENGVVK.V	1785.073	-0.00087	3	1	48.6	0
P12163_1_F4,23408	R.YALLAENGVVK.V	1785.073	0.00387	2	1	48.1	0
P12163_1_F5,20011	R.YALLAENGVVK.V	1785.073	0.00007	2	1	34	0
P12163_1_F5,20029	R.YALLAENGVVK.V	1785.073	0.00795	3	1	45	0
P12163_1_F6,20056	R.YALLAENGVVK.V	1785.073	0.00363	2	1	30.8	0
P12163_1_F7,18435	R.YALLAENGVVK.V	1785.073	0.00087	3	1	26	0
P12163_1_F7,18851	R.YALLAENGVVK.V	1785.073	0.0003	3	1	48.8	0
P12163_1_F8,19875	R.YALLAENGVVK.V	1785.073	0.00642	3	1	30.2	0
P12163_1_F9,19610	R.YALLAENGVVK.V	1785.073	0.00546	3	1	31.6	0
P12163_1_F9,19640	R.YALLAENGVVK.V	1785.073	0.00635	2	1	64.3	0
P12163_2_F1,20703	R.YALLAENGVVK.V	1785.073	0.00381	3	1	52.3	0
P12163_2_F1,20705	R.YALLAENGVVK.V	1785.073	0.00625	2	1	65.4	0
P12163_2_F1,20942	R.YALLAENGVVK.V	1785.073	0.00288	3	1	31.8	0
P12163_2_F1,20953	R.YALLAENGVVK.V	1785.073	-0.00017	2	1	33.7	0
P12163_2_F4,18037	R.YALLAENGVVK.V	1785.073	0	3	1	25.7	0
P12163_2_F9,18408	R.YALLAENGVVK.V	1785.073	0.00492	3	1	58.7	0
P12163_2_F9,18446	R.YALLAENGVVK.V	1785.073	0.00549	2	1	70.3	0
P12163_2_F9,18615	R.YALLAENGVVK.V	1785.073	0.00576	3	1	50.4	0
P12163_2_S5,18201	R.YALLAENGVVK.V	1785.073	-0.00099	3	1	40.6	0
P12163_2_S5,18647	R.YALLAENGVVK.V	1785.073	0.00015	3	1	25.2	0
P12163_1_F4,16260	K.ADLPGLK.K	1321.83	0.00612	3	1	29.4	0
P12163_1_F4,16512	K.ADLPGLK.K	1321.83	0.00711	3	1	22.5	0
P12163_1_F5,15103	K.ADLPGLK.K	1321.83	0.00697	3	1	28	0
P12163_1_F5,16113	K.ADLPGLK.K	1321.83	0.00688	3	1	26.9	0
P12163_1_F5,16369	K.ADLPGLK.K	1321.83	0.004	3	1	26.8	0
P12163_1_F6,15870	K.ADLPGLK.K	1321.83	0.00675	3	1	31.9	0
P12163_1_F7,14463	K.ADLPGLK.K	1321.83	0.00144	3	1	22.8	0
P12163_1_F7,15056	K.ADLPGLK.K	1321.83	0.00402	3	1	31.7	0
P12163_1_F8,15150	K.ADLPGLK.K	1321.83	0.00247	3	1	23.2	0
P12163_1_F8,15852	K.ADLPGLK.K	1321.83	0.0072	3	1	29.6	0
P12163_2_F1,15235	K.ADLPGLK.K	1321.83	0.00465	3	1	31.5	0
P12163_2_F1,15458	K.ADLPGLK.K	1321.83	0.00609	3	1	33.5	0
P12163_2_F1,15711	K.ADLPGLK.K	1321.83	0.0051	3	1	31.4	0
P12163_2_F2,327	K.ADLPGLK.K	1321.83	0.00778	3	1	23.6	0
P12163_2_F2,632	K.ADLPGLK.K	1321.83	0.00472	3	1	28.8	0
P12163_2_F2,993	K.ADLPGLK.K	1321.83	0.00837	3	1	30.6	0
P12163_2_S5,13809	K.ADLPGLK.K	1321.83	0.00297	3	1	25.3	0
P12163_2_S5,14030	K.ADLPGLK.K	1321.83	0.00063	3	1	31.8	0

P12163_2_S5,14497	K.ADLPLGK.K	1321.83	0.00465	3	1	29.5	0
P12163_1_F2,19052	K.ASM*ENGVLTVTVPK.	2070.172	0.00558	3	1	29.4	0
P12163_1_F3,17688	K.ASM*ENGVLTVTVPK.	2070.172	0.0058	2	1	51.3	0
P12163_1_F3,17836	K.ASM*ENGVLTVTVPK.	2070.172	0.00556	3	1	39.1	0
P12163_1_F3,19760	K.ASM*ENGVLTVTVPK.	2070.172	0.00567	3	1	41	0
P12163_1_F6,18624	K.ASM*ENGVLTVTVPK.	2070.172	0.00459	3	1	30.6	0
P12163_2_S3,14258	K.ASM*ENGVLTVTVPK.	2070.172	-0.0032	3	1	28.7	0
P12163_1_F3,17089	K.ASMENGVLTVTVPK.V	2054.178	0.0076	3	1	22.9	0
P12163_1_F3,17130	K.ASMENGVLTVTVPK.V	2054.178	0.0046	2	1	56.1	0
P12163_1_F3,17408	K.ASMENGVLTVTVPK.V	2054.178	0.00292	3	1	27	0
P12163_1_F3,17444	K.ASMENGVLTVTVPK.V	2054.178	0.00442	2	1	38.7	0
P12163_1_F3,17505	K.ASMENGVLTVTVPK.V	2054.178	0.00383	4	1	34.2	0
P12163_1_F3,19514	K.ASMENGVLTVTVPK.V	2054.178	0.01582	2	1	49.7	0
P12163_1_F3,19787	K.ASMENGVLTVTVPK.V	2054.178	0.0058	3	1	40.7	0
P12163_1_F3,19805	K.ASMENGVLTVTVPK.V	2054.178	0.00574	2	1	62.5	0
P12163_1_F4,20206	K.ASMENGVLTVTVPK.V	2054.178	0.00817	3	1	35.8	0
P12163_1_F5,18443	K.ASMENGVLTVTVPK.V	2054.178	0.00721	3	1	35.6	0
P12163_1_F5,18890	K.ASMENGVLTVTVPK.V	2054.178	0.0026	2	1	55.9	0
P12163_1_F6,18609	K.ASMENGVLTVTVPK.V	2054.178	0.0073	3	1	44.9	0
P12163_1_F6,18643	K.ASMENGVLTVTVPK.V	2054.178	-0.00026	2	1	74	0
P12163_1_F6,19012	K.ASMENGVLTVTVPK.V	2054.178	0.00223	3	1	34.3	0
P12163_1_F7,18181	K.ASMENGVLTVTVPK.V	2054.178	0.00385	3	1	33.8	0
P12163_1_F8,19120	K.ASMENGVLTVTVPK.V	2054.178	0.00625	3	1	36.6	0
P12163_2_F1,19689	K.ASMENGVLTVTVPK.V	2054.178	0.01153	3	1	29.7	0
P12163_2_F1,19711	K.ASMENGVLTVTVPK.V	2054.178	0.00306	2	1	70.6	0
P12163_2_F4,17789	K.ASMENGVLTVTVPK.V	2054.178	0.00406	3	1	33.4	0
P12163_2_F4,17801	K.ASMENGVLTVTVPK.V	2054.178	0.0048	2	1	55	0
P12163_2_F7,17055	K.ASMENGVLTVTVPK.V	2054.178	0.00703	3	1	31.3	0
P12163_2_F7,17056	K.ASMENGVLTVTVPK.V	2054.178	-0.00088	2	1	42.2	0
P12163_2_S3,15598	K.ASMENGVLTVTVPK.V	2054.178	0.00388	3	1	25.5	0
P12163_1_F9,12608	K.ETPEAHVFK.V ! K.ETF	1665.942	0.00626	3	1	28.9	0
P12163_1_F9,12736	K.ETPEAHVFK.V ! K.ETF	1665.942	0.00388	2	1	31	0
P12163_2_F10,11550	K.ETPEAHVFK.V ! K.ETF	1665.942	0.00257	3	1	32.4	0
P12163_2_F6,12210	K.ETPEAHVFK.V ! K.ETF	1665.942	0.00614	3	1	32.6	0
P12163_2_F7,11639	K.ETPEAHVFK.V ! K.ETF	1665.942	0.00062	2	1	28.2	0
P12163_2_F8_12070	K.ETPEAHVFK.V ! K.ETF	1665.942	0.00332	3	1	30.6	0
P12163_2_F9,11708	K.ETPEAHVFK.V ! K.ETF	1665.942	0.00665	3	1	23.8	0
P12163_2_F2,11421	K.LPENAK.T ! R.LPENAK	1279.783	0.00548	3	1	27	0
P12163_1_F2,9575	K.VEVEDGR.V	1107.595	0.0058	2	1	29	0
P12163_1_F3,9560	K.VEVEDGR.V	1107.595	0.00292	2	1	34.5	0
P12163_1_F3,13483	R.VLQISGER.K ! R.VLQIS	1205.716	0.00202	3	1	41.5	0
P12163_1_F3,15914	R.VLQISGER.K ! R.VLQIS	1205.716	0.00023	2	1	31.7	0
P12163_1_F9,15358	R.VLQISGER.K ! R.VLQIS	1205.716	0.00025	2	1	26.3	0
P12163_1_F3,15506	K.DTVIGAVPK.S	1507.93	0.008	2	1	38.6	0
P12163_1_F3,15526	K.DTVIGAVPK.S	1507.93	0.00066	3	1	30	0
P12163_1_F4,15738	K.DTVIGAVPK.S	1507.93	0.00225	3	1	36.6	0
P12163_1_F4,15757	K.DTVIGAVPK.S	1507.93	0.00424	2	1	27.2	0
P12163_1_F7,14096	K.DTVIGAVPK.S	1507.93	0.00242	2	1	24.4	0
P12163_2_F4,13810	K.DTVIGAVPK.S	1507.93	-0.00108	3	1	26.7	0
P12163_1_F9,14542	K.KDTVIGAVPK.S	1940.231	0.0051	4	1	29.3	0
P12163_1_F4,12435	K.STLTTSIEK.F	1587.941	0.00382	2	1	27.4	0

P12163_1_F4,12735	K.STLTTSIEK.F	1587.941	0.01015	3	1	23.3	0
P12163_1_F4,14982	K.STLTTSIEK.F	1587.941	0.00484	3	1	36.1	0
P12163_1_F7,13168	K.STLTTSIEK.F	1587.941	0.00244	2	1	46.3	0
P12163_2_F1,13887	K.STLTTSIEK.F	1587.941	0.00378	2	1	32.3	0
P12163_2_F1,13897	K.STLTTSIEK.F	1587.941	0.00397	3	1	25.6	0
P12163_2_F2,2376	K.STLTTSIEK.F	1587.941	0.0049	3	1	22.1	0
P12163_2_F2,2549	K.STLTTSIEK.F	1587.941	0.00439	3	1	25.6	0
P12163_2_F2,2942	K.STLTTSIEK.F	1587.941	0.00379	3	1	26.4	0
P12163_2_F2,3037	K.STLTTSIEK.F	1587.941	0.00482	2	1	26.1	0
P12163_2_F2,3123	K.STLTTSIEK.F	1587.941	0.0049	3	1	31.5	0
P12163_1_F3,11877	K.VNTDESPSIATR.Y	1593.839	0.00505	2	1	25.9	0
P12163_1_S1,8538	K.VNTDESPSIATR.Y	1593.839	0.002	3	1	40.4	0
P12163_1_S1,8771	K.VNTDESPSIATR.Y	1593.839	0.00248	3	1	26.4	0
P12163_1_S1,9261	K.VNTDESPSIATR.Y	1593.839	0.00086	3	1	23.4	0
P12163_1_S1,9347	K.VNTDESPSIATR.Y	1593.839	-0.00672	4	1	35.4	0
P12163_1_S1,9572	K.VNTDESPSIATR.Y	1593.839	0.00353	3	1	43.3	0
P12163_1_S1,10321	K.VNTDESPSIATR.Y	1593.839	0.00194	3	1	57.8	0
P12163_1_S1,11128	K.VNTDESPSIATR.Y	1593.839	0.00027	2	1	24.7	0
P12163_1_S1,11157	K.VNTDESPSIATR.Y	1593.839	0.00278	3	1	57.7	0
P12163_1_F8,18114	R.M*IHPHIDELSK.Q	1920.108	0.00408	3	1	31.3	0
P12163_1_F8,20100	R.M*IHPHIDELSK.Q	1920.108	0.00895	2	1	30.4	0
P12163_2_F6,17498	R.M*IHPHIDELSK.Q	1920.108	0.00477	2	1	33.8	0
P12163_2_F6,19655	R.M*IHPHIDELSK.Q	1920.108	0.00426	3	1	42.6	0
P12163_2_F6,19668	R.M*IHPHIDELSK.Q	1920.108	0.00147	2	1	40.9	0
P12163_2_F6,20071	R.M*IHPHIDELSK.Q	1920.108	0.00411	3	1	34.4	0
P12163_1_F8,20146	R.MIHPHIDELSK.Q	1904.113	0.00015	3	1	47.4	0
P12163_1_S10,1856	R.MIHPHIDELSK.Q	1904.113	0.00486	3	1	27.5	0
P12163_2_F6,18168	R.MIHPHIDELSK.Q	1904.113	0.00576	3	1	27.3	0
P12163_2_F6,19638	R.MIHPHIDELSK.Q	1904.113	0.0048	3	1	46.1	0
P12163_2_F8_12070	R.MIHPHIDELSK.Q	1904.113	0.00906	3	1	32.1	0
P12163_2_F9,18298	R.MIHPHIDELSK.Q	1904.113	0.0078	3	1	33.5	0
P12163_1_F3,18607	R.SIPTVM*IFK.N	1659.996	0.00361	3	1	29.9	0
P12163_1_F3,20942	R.SIPTVM*IFK.N	1659.996	0.00529	3	1	33	0
P12163_1_F3,23229	R.SIPTVM*IFK.N	1659.996	0.00364	3	1	30.6	0
P12163_1_F4,21565	R.SIPTVM*IFK.N	1659.996	0.00502	3	1	23.1	0
P12163_1_F4,23951	R.SIPTVM*IFK.N	1659.996	0.0064	3	1	30.9	0
P12163_2_F1,21102	R.SIPTVM*IFK.N	1659.996	0.00847	3	1	30.8	0
P12163_2_F1,23409	R.SIPTVM*IFK.N	1659.996	0.00772	3	1	38.5	0
P12163_2_F4,18778	R.SIPTVM*IFK.N	1659.996	0.00235	3	1	30.5	0
P12163_2_F4,20488	R.SIPTVM*IFK.N	1659.996	-0.00317	3	1	28.2	0
P12163_1_F3,20445	R.SIPTVMIFK.N	1644.001	0.00502	3	1	32.8	0
P12163_1_F3,23151	R.SIPTVMIFK.N	1644.001	0.0019	3	1	34.7	0
P12163_1_F3,23171	R.SIPTVMIFK.N	1644.001	0.00477	2	1	36.5	0
P12163_1_F4,20894	R.SIPTVMIFK.N	1644.001	0.00537	2	1	26.6	0
P12163_1_F4,23876	R.SIPTVMIFK.N	1644.001	0.00352	3	1	23.1	0
P12163_1_F4,23881	R.SIPTVMIFK.N	1644.001	0.00421	2	1	41	0
P12163_1_F6,21788	R.SIPTVMIFK.N	1644.001	0.00274	3	1	33.2	0
P12163_2_F1,23361	R.SIPTVMIFK.N	1644.001	0.00574	3	1	35.2	0
P12163_1_F2,19052	K.ASM*ENGLTVTVPK.	2070.172	0.00558	3	1	29.4	0
P12163_1_F3,17688	K.ASM*ENGLTVTVPK.	2070.172	0.0058	2	1	51.3	0
P12163_1_F3,17836	K.ASM*ENGLTVTVPK.	2070.172	0.00556	3	1	39.1	0

P12163_1_F3,19760	K.ASM*ENGLVLTVTVPK.	2070.172	0.00567	3	1	41	0
P12163_1_F6,18624	K.ASM*ENGLVLTVTVPK.	2070.172	0.00459	3	1	30.6	0
P12163_2_S3,14258	K.ASM*ENGLVLTVTVPK.	2070.172	-0.0032	3	1	28.7	0
P12163_1_F3,17089	K.ASMENGLVLTVTVPK.V	2054.178	0.0076	3	1	22.9	0
P12163_1_F3,17130	K.ASMENGLVLTVTVPK.V	2054.178	0.0046	2	1	56.1	0
P12163_1_F3,17408	K.ASMENGLVLTVTVPK.V	2054.178	0.00292	3	1	27	0
P12163_1_F3,17444	K.ASMENGLVLTVTVPK.V	2054.178	0.00442	2	1	38.7	0
P12163_1_F3,17505	K.ASMENGLVLTVTVPK.V	2054.178	0.00383	4	1	34.2	0
P12163_1_F3,19514	K.ASMENGLVLTVTVPK.V	2054.178	0.01582	2	1	49.7	0
P12163_1_F3,19787	K.ASMENGLVLTVTVPK.V	2054.178	0.0058	3	1	40.7	0
P12163_1_F3,19805	K.ASMENGLVLTVTVPK.V	2054.178	0.00574	2	1	62.5	0
P12163_1_F4,20206	K.ASMENGLVLTVTVPK.V	2054.178	0.00817	3	1	35.8	0
P12163_1_F5,18443	K.ASMENGLVLTVTVPK.V	2054.178	0.00721	3	1	35.6	0
P12163_1_F5,18890	K.ASMENGLVLTVTVPK.V	2054.178	0.0026	2	1	55.9	0
P12163_1_F6,18609	K.ASMENGLVLTVTVPK.V	2054.178	0.0073	3	1	44.9	0
P12163_1_F6,18643	K.ASMENGLVLTVTVPK.V	2054.178	-0.00026	2	1	74	0
P12163_1_F6,19012	K.ASMENGLVLTVTVPK.V	2054.178	0.00223	3	1	34.3	0
P12163_1_F7,18181	K.ASMENGLVLTVTVPK.V	2054.178	0.00385	3	1	33.8	0
P12163_1_F8,19120	K.ASMENGLVLTVTVPK.V	2054.178	0.00625	3	1	36.6	0
P12163_2_F1,19689	K.ASMENGLVLTVTVPK.V	2054.178	0.01153	3	1	29.7	0
P12163_2_F1,19711	K.ASMENGLVLTVTVPK.V	2054.178	0.00306	2	1	70.6	0
P12163_2_F4,17789	K.ASMENGLVLTVTVPK.V	2054.178	0.00406	3	1	33.4	0
P12163_2_F4,17801	K.ASMENGLVLTVTVPK.V	2054.178	0.0048	2	1	55	0
P12163_2_F7,17055	K.ASMENGLVLTVTVPK.V	2054.178	0.00703	3	1	31.3	0
P12163_2_F7,17056	K.ASMENGLVLTVTVPK.V	2054.178	-0.00088	2	1	42.2	0
P12163_2_S3,15598	K.ASMENGLVLTVTVPK.V	2054.178	0.00388	3	1	25.5	0
P12163_1_F9,12608	K.ETPEAHVFK.V ! K.ETF	1665.942	0.00626	3	1	28.9	0
P12163_1_F9,12736	K.ETPEAHVFK.V ! K.ETF	1665.942	0.00388	2	1	31	0
P12163_2_F10,11550	K.ETPEAHVFK.V ! K.ETF	1665.942	0.00257	3	1	32.4	0
P12163_2_F6,12210	K.ETPEAHVFK.V ! K.ETF	1665.942	0.00614	3	1	32.6	0
P12163_2_F7,11639	K.ETPEAHVFK.V ! K.ETF	1665.942	0.00062	2	1	28.2	0
P12163_2_F8_12070	K.ETPEAHVFK.V ! K.ETF	1665.942	0.00332	3	1	30.6	0
P12163_2_F9,11708	K.ETPEAHVFK.V ! K.ETF	1665.942	0.00665	3	1	23.8	0
P12163_2_F2,11421	K.LPENAK.T ! R.LPENAK	1279.783	0.00548	3	1	27	0
P12163_1_F2,9655	K.VEVEDDR.V	1165.6	0.00114	2	1	39.4	0
P12163_1_F6,9022	K.VEVEDDR.V	1165.6	0.00226	2	1	31.3	0
P12163_1_S1,9802	K.VEVEDDR.V	1165.6	0.00352	2	1	41.9	0
P12163_1_S1,10016	K.VEVEDDR.V	1165.6	0.0037	2	1	39.7	0
P12163_1_S1,10449	K.VEVEDDR.V	1165.6	0.00416	2	1	28	0
P12163_1_S1,12172	K.VEVEDDR.V	1165.6	0.00304	2	1	36.5	0
P12163_1_S10,416	K.VEVEDDR.V	1165.6	0.0034	2	1	34.3	0
P12163_2_F4,9092	K.VEVEDDR.V	1165.6	-0.00006	2	1	38.2	0
P12163_1_F6,16738	K.VEVEDDRVQLISGQR.I	2047.109	-0.00002	2	1	30.2	0
P12163_2_S5,15363	K.VEVEDDRVQLISGQR.I	2047.109	0.0015	3	1	32.8	0
P12163_1_F4,9362	R.SSGM*FSR.R	1091.546	0.00394	3	1	24.6	0
P12163_1_F4,9415	R.SSGMFSR.R	1075.551	0.00172	3	1	24	0
P12163_1_F4,10016	R.SSGMFSR.R	1075.551	0.00361	3	1	27.7	0
P12163_1_F2,19052	K.ASM*ENGLVLTVTVPK.	2070.172	0.00558	3	1	29.4	0
P12163_1_F3,17688	K.ASM*ENGLVLTVTVPK.	2070.172	0.0058	2	1	51.3	0
P12163_1_F3,17836	K.ASM*ENGLVLTVTVPK.	2070.172	0.00556	3	1	39.1	0
P12163_1_F3,19760	K.ASM*ENGLVLTVTVPK.	2070.172	0.00567	3	1	41	0

P12163_1_F6,18624	K.ASM*ENGVLTVTVPK.	2070.172	0.00459	3	1	30.6	0
P12163_2_S3,14258	K.ASM*ENGVLTVTVPK.	2070.172	-0.0032	3	1	28.7	0
P12163_1_F3,17089	K.ASMENGVLTVTVPK.V	2054.178	0.0076	3	1	22.9	0
P12163_1_F3,17130	K.ASMENGVLTVTVPK.V	2054.178	0.0046	2	1	56.1	0
P12163_1_F3,17408	K.ASMENGVLTVTVPK.V	2054.178	0.00292	3	1	27	0
P12163_1_F3,17444	K.ASMENGVLTVTVPK.V	2054.178	0.00442	2	1	38.7	0
P12163_1_F3,17505	K.ASMENGVLTVTVPK.V	2054.178	0.00383	4	1	34.2	0
P12163_1_F3,19514	K.ASMENGVLTVTVPK.V	2054.178	0.01582	2	1	49.7	0
P12163_1_F3,19787	K.ASMENGVLTVTVPK.V	2054.178	0.0058	3	1	40.7	0
P12163_1_F3,19805	K.ASMENGVLTVTVPK.V	2054.178	0.00574	2	1	62.5	0
P12163_1_F4,20206	K.ASMENGVLTVTVPK.V	2054.178	0.00817	3	1	35.8	0
P12163_1_F5,18443	K.ASMENGVLTVTVPK.V	2054.178	0.00721	3	1	35.6	0
P12163_1_F5,18890	K.ASMENGVLTVTVPK.V	2054.178	0.0026	2	1	55.9	0
P12163_1_F6,18609	K.ASMENGVLTVTVPK.V	2054.178	0.0073	3	1	44.9	0
P12163_1_F6,18643	K.ASMENGVLTVTVPK.V	2054.178	-0.00026	2	1	74	0
P12163_1_F6,19012	K.ASMENGVLTVTVPK.V	2054.178	0.00223	3	1	34.3	0
P12163_1_F7,18181	K.ASMENGVLTVTVPK.V	2054.178	0.00385	3	1	33.8	0
P12163_1_F8,19120	K.ASMENGVLTVTVPK.V	2054.178	0.00625	3	1	36.6	0
P12163_2_F1,19689	K.ASMENGVLTVTVPK.V	2054.178	0.01153	3	1	29.7	0
P12163_2_F1,19711	K.ASMENGVLTVTVPK.V	2054.178	0.00306	2	1	70.6	0
P12163_2_F4,17789	K.ASMENGVLTVTVPK.V	2054.178	0.00406	3	1	33.4	0
P12163_2_F4,17801	K.ASMENGVLTVTVPK.V	2054.178	0.0048	2	1	55	0
P12163_2_F7,17055	K.ASMENGVLTVTVPK.V	2054.178	0.00703	3	1	31.3	0
P12163_2_F7,17056	K.ASMENGVLTVTVPK.V	2054.178	-0.00088	2	1	42.2	0
P12163_2_S3,15598	K.ASMENGVLTVTVPK.V	2054.178	0.00388	3	1	25.5	0
P12163_2_F6,13654	K.EEVKVEVEEGR.I	1911.064	0.00224	2	1	40.6	0
P12163_2_F7,12730	K.EEVKVEVEEGR.I	1911.064	0.0118	2	1	35.9	0
P12163_2_F7,12986	K.EEVKVEVEEGR.I	1911.064	0.00548	2	1	40.8	0
P12163_1_F8,11469	K.ETPQAHVFK.A	1664.958	0.00339	2	1	24.4	0
P12163_1_F9,12031	K.ETPQAHVFK.A	1664.958	0.01066	3	1	25	0
P12163_1_F9,12041	K.ETPQAHVFK.A	1664.958	0.00691	2	1	31	0
P12163_1_F9,12485	K.ETPQAHVFK.A	1664.958	0.01019	2	1	26.3	0
P12163_1_F9,13271	K.ETPQAHVFK.A	1664.958	0.00088	3	1	27.6	0
P12163_2_F10,1072	K.ETPQAHVFK.A	1664.958	0.00064	3	1	22.8	0
P12163_2_F10,1092	K.ETPQAHVFK.A	1664.958	0.00031	3	1	30	0
P12163_2_F7,11099	K.ETPQAHVFK.A	1664.958	0.00559	2	1	32.2	0
P12163_2_F9,11225	K.ETPQAHVFK.A	1664.958	0.00571	3	1	24.6	0
P12163_2_F1,9426	K.VEVEEGR.I	1121.61	0.00194	2	1	27.5	0
P12163_2_F4,8111	K.VEVEEGR.I	1121.61	0.002	2	1	35	0
P12163_2_F4,9058	K.VEVEEGR.I	1121.61	0.00288	2	1	25.7	0
P12163_1_F3,23521	R.ETSQFANAIDWK.E	2131.164	0.00463	2	1	53.6	0
P12163_1_F4,24299	R.ETSQFANAIDWK.E	2131.164	0.00549	3	1	42.2	0
P12163_1_F6,11421	R.LPDNAK.M ! R.LPDNA	1265.767	0.00788	3	1	26.7	0
P12163_1_F2,17764	K.AALVNDVDDVEK.H	1896.053	0.00248	3	1	25	0
P12163_1_F2,17780	K.AALVNDVDDVEK.H	1896.053	0.00184	2	1	26.6	0
P12163_1_F3,18334	K.AALVNDVDDVEK.H	1896.053	0.00392	3	1	47.2	0
P12163_1_F3,18335	K.AALVNDVDDVEK.H	1896.053	0.01096	2	1	66.5	0
P12163_1_F6,16963	K.AALVNDVDDVEK.H	1896.053	0.00095	3	1	38.4	0
P12163_1_F6,17641	K.AALVNDVDDVEK.H	1896.053	0.00396	3	1	28.6	0
P12163_1_F5,14229	K.FGLGNK.A	1243.762	0.00628	3	1	23.4	0
P12163_1_F3,20772	K.IVAISLDDPK.A	1679.02	0.00853	2	1	38.3	0

P12163_1_F3,20801 K.IVAISLDDPK.A	1679.02	0.00471	3	1	24.8	0
P12163_1_F6,19603 K.IVAISLDDPK.A	1679.02	0.00666	3	1	33.1	0
P12163_1_F2,19510 K.M*EVATDELYTPIK.Q	2134.156	0.00518	3	1	31	0
P12163_1_F2,20691 K.M*EVATDELYTPIK.Q	2134.156	0.0122	3	1	29.3	0
P12163_1_F2,20693 K.M*EVATDELYTPIK.Q	2134.156	0.00516	2	1	26.6	0
P12163_1_S1,16963 K.M*EVATDELYTPIK.Q	2134.156	0.00416	2	1	40.4	0
P12163_1_S1,19735 K.MEVATDELYTPIK.Q	2118.161	0.00458	2	1	60.8	0
P12163_1_F4,15051 K.VITETNESWAK.L	1886.048	0.00553	3	1	28.7	0
P12163_1_F4,17543 K.VITETNESWAK.L	1886.048	0.00309	2	1	48.2	0
P12163_1_F4,17605 K.VITETNESWAK.L	1886.048	0.00646	3	1	47.3	0
P12163_2_F1,16663 K.VITETNESWAK.L	1886.048	0.00373	2	1	40.1	0
P12163_2_F1,16672 K.VITETNESWAK.L	1886.048	0.00262	3	1	45.1	0
P12163_1_F4,19235 R.VFFVNNSGK.K	1619.937	0.00211	3	1	37.1	0
P12163_1_F4,19254 R.VFFVNNSGK.K	1619.937	0.00463	2	1	35.2	0
P12163_1_F5,17897 R.VFFVNNSGK.K	1619.937	0.00681	2	1	42.7	0
P12163_1_F5,17907 R.VFFVNNSGK.K	1619.937	0.00454	3	1	35	0
P12163_1_F5,18163 R.VFFVNNSGK.K	1619.937	0.00423	2	1	25.3	0
P12163_1_F5,18446 R.VFFVNNSGK.K	1619.937	0.00345	2	1	32.5	0
P12163_1_F7,16985 R.VFFVNNSGK.K	1619.937	-0.00164	3	1	22.8	0
P12163_2_F1,18397 R.VFFVNNSGK.K	1619.937	0.00661	2	1	34.5	0
P12163_2_F1,18412 R.VFFVNNSGK.K	1619.937	0.00562	3	1	35.1	0
P12163_2_S5,16289 R.VFFVNNSGK.K	1619.937	-0.0002	3	1	26.4	0
P12163_2_S5,16947 R.VFFVNNSGK.K	1619.937	0.00403	3	1	30.6	0
P12163_1_F4,15165 K.AGVIGLTK.T	1366.888	0.00759	3	1	29.9	0
P12163_1_F4,17328 K.AGVIGLTK.T	1366.888	0.00867	3	1	37.3	0
P12163_1_F5,16043 K.AGVIGLTK.T	1366.888	0.00668	2	1	24.8	0
P12163_1_F7,15281 K.AGVIGLTK.T	1366.888	-0.00111	3	1	26.2	0
P12163_2_F1,16597 K.AGVIGLTK.T	1366.888	0.00618	2	1	27.7	0
P12163_2_F1,16640 K.AGVIGLTK.T	1366.888	0.00639	3	1	43.4	0
P12163_2_F2,418 K.AGVIGLTK.T	1366.888	0.01125	3	1	31.5	0
P12163_1_F4,18284 K.EADVESM*IK.T	1645.893	0.00959	2	1	24	0
P12163_1_F3,17769 K.EADVESMIK.T	1629.898	0.00753	2	1	31.8	0
P12163_1_F4,18222 K.EADVESMIK.T	1629.898	0.01359	2	1	45	0
P12163_1_F4,18253 K.EADVESMIK.T	1629.898	0.01107	3	1	44.7	0
P12163_2_F1,17470 K.EADVESMIK.T	1629.898	0.00706	3	1	29.7	0
P12163_2_F1,17485 K.EADVESMIK.T	1629.898	0.00565	2	1	33.1	0
P12163_2_F1,9475 K.EAEEVCK.E	1472.787	0.00673	2	1	24.8	0
P12163_2_F1,9512 K.EAEEVCK.E	1472.787	0.00417	3	1	29.9	0
P12163_1_S1,15134 K.EIEASGGQALTFGGDV	2374.271	0.01148	3	1	42	0
P12163_1_S1,17206 K.EIEASGGQALTFGGDV	2374.271	0.0152	3	1	59.4	0
P12163_1_S1,17494 K.EIEASGGQALTFGGDV	2374.271	0.00041	3	1	71.7	0
P12163_1_F4,14121 R.AVATSLGK.A	1354.851	0.00737	2	1	35.8	0
P12163_1_F5,12744 R.AVATSLGK.A	1354.851	0.00767	2	1	28.1	0
P12163_1_F5,12751 R.AVATSLGK.A	1354.851	0.00461	3	1	26.7	0
P12163_2_F1,13073 R.AVATSLGK.A	1354.851	0.0047	3	1	32.2	0
P12163_2_F1,13090 R.AVATSLGK.A	1354.851	0.00493	2	1	38.4	0
P12163_1_S1,19214 R.NINVNAIAPGFIASDM	2571.406	0.00136	3	1	56.4	0
P12163_1_S1,20037 R.NINVNAIAPGFIASDM	2555.411	0.00583	3	1	48.6	0
P12163_1_S1,21028 R.NINVNAIAPGFIASDM	2555.411	0.0094	3	1	84.8	0
P12163_1_S1,21049 R.NINVNAIAPGFIASDM	2555.411	0.0061	4	1	56.2	0
P12163_1_F4,12495 K.EVEEYDDK.L	1634.837	0.00523	3	1	29.7	0

P12163_1_F4,12579	K.EVEEYDDK.L	1634.837	0.00749	2	1	39.5	0
P12163_1_F9,11845	K.EVEEYDDK.L	1634.837	0.00733	2	1	34.3	0
P12163_2_F1,11520	K.EVEEYDDK.L	1634.837	0.00791	2	1	39.3	0
P12163_1_S1,9556	K.TELEAEEQEPTR.M	1735.865	-0.00183	3	1	49.4	0
P12163_1_S1,11089	K.TELEAEEQEPTR.M	1735.865	-0.00267	3	1	36.8	0
P12163_1_S1,11650	K.TELEAEEQEPTR.M	1735.865	0.00711	3	1	26.9	0
P12163_1_S1,11862	K.TELEAEEQEPTR.M	1735.865	0.00415	2	1	50.7	0
P12163_1_S1,11929	K.TELEAEEQEPTR.M	1735.865	0.00267	3	1	52.6	0
P12163_1_F3,18839	K.TPVTITDEWGEK.T	1984.085	-0.00111	2	1	31.6	0
P12163_1_F4,13193	R.AVSGQPPLK.V	1504.931	0.0061	2	1	31.7	0
P12163_1_F4,13212	R.AVSGQPPLK.V	1504.931	0.00584	3	1	31.9	0
P12163_1_F7,11406	R.AVSGQPPLK.V	1504.931	0.00296	2	1	27.2	0
P12163_2_F1,12258	R.AVSGQPPLK.V	1504.931	0.0057	2	1	31.3	0
P12163_2_S5,10827	R.AVSGQPPLK.V	1504.931	0.00173	3	1	27.7	0
P12163_1_S1,18264	R.CLVDTVYGTGELGFR.A	1933.999	-0.00256	3	1	25.7	0
P12163_1_S1,19833	R.CLVDTVYGTGELGFR.A	1933.999	0.00611	3	1	31.6	0
P12163_1_S1,21678	R.CLVDTVYGTGELGFR.A	1933.999	0.00167	3	1	36.8	0
P12163_1_F3,22159	R.GDGGLFVLVK.E	1612.988	0.00296	2	1	46.5	0
P12163_1_F3,22169	R.GDGGLFVLVK.E	1612.988	0.00512	3	1	31	0
P12163_1_F4,23162	R.GDGGLFVLVK.E	1612.988	0.00416	3	1	40.6	0
P12163_1_F4,23258	R.GDGGLFVLVK.E	1612.988	0.00726	2	1	42.7	0
P12163_1_F5,21782	R.GDGGLFVLVK.E	1612.988	0.00532	2	1	38.8	0
P12163_1_F6,21189	R.GDGGLFVLVK.E	1612.988	0.0044	2	1	41.8	0
P12163_2_F1,22596	R.GDGGLFVLVK.E	1612.988	0.0069	2	1	54.1	0
P12163_1_F2,15489	K.DLAGAIEAGR.V	1276.716	0.00397	2	1	32.1	0
P12163_1_S1,15186	K.DLAGAIEAGR.V	1276.716	0.0033	3	1	43.6	0
P12163_1_F3,18088	K.VAMECGVGVFTK.T	1906.039	0.01804	3	1	25	0
P12163_1_F3,19619	K.VAMECGVGVFTK.T	1906.039	0.01444	3	1	46.1	0
P12163_1_F3,19630	K.VAMECGVGVFTK.T	1906.039	0.0045	2	1	67.7	0
P12163_1_F4,20222	K.VAMECGVGVFTK.T	1906.039	0.00616	3	1	41	0
P12163_1_F4,20231	K.VAMECGVGVFTK.T	1906.039	0.0132	2	1	57.6	0
P12163_2_F1,19659	K.VAMECGVGVFTK.T	1906.039	0.0021	2	1	54.4	0
P12163_2_F1,19662	K.VAMECGVGVFTK.T	1906.039	0.00268	3	1	41.9	0
P12163_1_F8,20804	R.ILEPLLHENK.I	1814.1	-0.00603	3	1	33.2	0
P12163_1_F8,20820	R.ILEPLLHENK.I	1814.1	0.00217	2	1	26.9	0
P12163_2_F6,20381	R.ILEPLLHENK.I	1814.1	0.00459	3	1	38.4	0
P12163_2_F6,20421	R.ILEPLLHENK.I	1814.1	0.00289	2	1	29.2	0
P12163_2_F6,20606	R.ILEPLLHENK.I	1814.1	0.00471	3	1	23.5	0
P12163_1_F3,25634	R.LLADDLFLAK.V	1727.056	0.00482	3	1	35.1	0
P12163_1_F3,25808	R.LLADDLFLAK.V	1727.056	0.00568	2	1	52.5	0
P12163_1_S1,22705	R.LLADDLFLAK.V	1727.056	0.00314	3	1	32.3	0
P12163_1_F4,15871	R.VPAAIVK.R	1305.871	0.00675	2	1	28.7	0
P12163_2_F1,15021	R.VPAAIVK.R	1305.871	0.00772	3	1	31.8	0
P12163_1_F2,22407	R.YQVLAGVIEQR.I	1579.911	0.00283	3	1	54.5	0
P12163_1_S1,21494	R.YQVLAGVIEQR.I	1579.911	0.00594	2	1	33	0
P12163_1_S1,21551	R.YQVLAGVIEQR.I	1579.911	0.00391	3	1	47.2	0
P12163_1_S1,21767	R.YQVLAGVIEQR.I	1579.911	0.00277	3	1	75.1	0
P12163_2_F7,19892	R.YQVLAGVIEQR.I	1579.911	0.00274	3	1	55.4	0
P12163_2_F7,19912	R.YQVLAGVIEQR.I	1579.911	0.00162	2	1	47.9	0
P12163_1_F5,9436	K.DTGIGEK.L ! K.DTGLC	1327.768	0.01078	2	1	24.4	0
P12163_2_F1,9982	K.DTGIGEK.L ! K.DTGLC	1327.768	0.00634	2	1	28	0

P12163_2_F1,9987	K.DTGIGEK.L ! K.DTGLC	1327.768	0.00585	3	1	23.6	0
P12163_1_F2,16331	K.ENLYATSLEFR.L	1646.869	0.00026	3	1	31	0
P12163_1_F2,17508	K.ENLYATSLEFR.L	1646.869	0.00403	2	1	35.9	0
P12163_1_F2,19631	K.ENLYATSLEFR.L	1646.869	0.00009	2	1	37.2	0
P12163_1_F2,19691	K.ENLYATSLEFR.L	1646.869	-0.00127	3	1	52.6	0
P12163_1_S1,19247	K.ENLYATSLEFR.L	1646.869	0.0014	3	1	37.5	0
P12163_2_F7,17388	K.ENLYATSLEFR.L	1646.869	0.00607	2	1	48.5	0
P12163_1_F3,25651	K.LEFNTLQAIYQEELK.L	2447.364	0.00451	3	1	43	0
P12163_1_F9,18744	K.NHLLLELAK.L	1659.041	0.00384	3	1	51.8	0
P12163_1_F9,18765	K.NHLLLELAK.L	1659.041	0.0047	2	1	46.9	0
P12163_1_F9,18803	K.NHLLLELAK.L	1659.041	0.00468	4	1	30.6	0
P12163_1_F9,18954	K.NHLLLELAK.L	1659.041	0.00282	3	1	43.9	0
P12163_1_S10,1823	K.NHLLLELAK.L	1659.041	0.00273	3	1	39.2	0
P12163_2_F8_12070	K.NHLLLELAK.L	1659.041	0.00681	3	1	52.4	0
P12163_2_F9,17520	K.NHLLLELAK.L	1659.041	0.00828	4	1	31.7	0
P12163_2_F9,17578	K.NHLLLELAK.L	1659.041	0.00501	3	1	52.6	0
P12163_2_F9,17612	K.NHLLLELAK.L	1659.041	0.0074	2	1	44.9	0
P12163_2_F9,17809	K.NHLLLELAK.L	1659.041	0.00606	3	1	52.7	0
P12163_2_F10,1478	K.SIQCVMHETGASEEVA	2272.064	0.00122	3	1	41	0
P12163_2_F4,14608	K.SIQCVMHETGASEEVA	2272.064	0.00164	3	1	34.9	0
P12163_2_F7,15406	R.KENLYATSLEFR.L	2079.169	-0.00626	3	1	38.2	0
P12163_1_F4,18069	K.ASM*ENGLVVK.I	1771.024	-0.00007	3	1	34.9	0
P12163_2_F1,14416	K.ASM*ENGLVVK.I	1771.024	-0.00207	2	1	28.4	0
P12163_1_F4,18035	K.ASMENGLVVK.I	1755.029	0.00769	2	1	49.6	0
P12163_1_F4,18043	K.ASMENGLVVK.I	1755.029	0.00692	3	1	39.4	0
P12163_2_F1,17416	K.ASMENGLVVK.I	1755.029	0.00329	2	1	49.6	0
P12163_2_F1,18236	K.CPVLNTPTDWK.E	1939.057	0.00187	2	1	26.9	0
P12163_2_F1,18275	K.CPVLNTPTDWK.E	1939.057	0.00492	3	1	32.1	0
P12163_1_F7,17272	K.ETPEAHVFTADLPGLK	2333.296	0.00394	3	1	28.4	0
P12163_1_F7,19029	K.ETPEAHVFTADLPGLK	2333.296	0.00217	2	1	60.7	0
P12163_1_F8,18081	K.ETPEAHVFTADLPGLK	2333.296	0.00007	3	1	24.3	0
P12163_1_F8,20033	K.ETPEAHVFTADLPGLK	2333.296	0.00544	3	1	45	0
P12163_2_F9,17839	K.ETPEAHVFTADLPGLK	2333.296	0.00553	3	1	37.2	0
P12163_2_S5,16733	K.ETPEAHVFTADLPGLK	2333.296	0.00625	3	1	40.4	0
P12163_2_S5,18265	K.ETPEAHVFTADLPGLK	2333.296	0.00452	4	1	25.9	0
P12163_2_S5,18308	K.ETPEAHVFTADLPGLK	2333.296	0.00485	5	1	26	0
P12163_2_S5,18470	K.ETPEAHVFTADLPGLK	2333.296	0.01066	3	1	28.1	0
P12163_2_F2,11421	K.LPENAK.T ! R.LPENAK	1279.783	0.00548	3	1	27	0
P12163_1_F2,9340	K.VEVDEGR.V	1107.595	0.0004	2	1	34.5	0
P12163_2_F4,8802	K.VEVDEGR.V	1107.595	-0.00096	2	1	25	0
P12163_1_F3,13483	R.VLQISGER.K ! R.VLQIS	1205.716	0.00202	3	1	41.5	0
P12163_1_F3,15914	R.VLQISGER.K ! R.VLQIS	1205.716	0.00023	2	1	31.7	0
P12163_1_F9,15358	R.VLQISGER.K ! R.VLQIS	1205.716	0.00025	2	1	26.3	0
P12163_1_F3,10479	K.AVIASGAR.Y	1048.642	0.003	2	1	24	0
P12163_1_F2,18945	K.NLAVFVSGGGSNFR.S	1728.933	0.00456	3	1	35.3	0
P12163_1_F2,19276	K.NLAVFVSGGGSNFR.S	1728.933	0.00201	3	1	29.9	0
P12163_1_F2,20743	K.NLAVFVSGGGSNFR.S	1728.933	-0.00005	2	1	34.6	0
P12163_1_F2,20744	K.NLAVFVSGGGSNFR.S	1728.933	0.00264	3	1	41.5	0
P12163_1_F3,21025	K.NLAVFVSGGGSNFR.S	1728.933	0.00411	2	1	28.1	0
P12163_2_F1,21165	K.NLAVFVSGGGSNFR.S	1728.933	0.01517	2	1	28.2	0
P12163_1_F2,22975	R.DNSIPVILFPK.T	1851.12	0.00268	3	1	38.6	0

P12163_1_F3,23689	R.DNSIPVILFPK.T	1851.12	0.00715	3	1	28.6	0
P12163_1_F3,23695	R.DNSIPVILFPK.T	1851.12	-0.00218	2	1	38.6	0
P12163_1_F5,22936	R.DNSIPVILFPK.T	1851.12	0.00379	3	1	26.4	0
P12163_2_F4,21222	R.DNSIPVILFPK.T	1851.12	0.00595	3	1	28	0
P12163_2_F10,1894	R.SIVNIHPSLLPAFGGK.C	2258.348	-0.00097	3	1	22.2	0
P12163_1_F9,12998	R.VLLEEHR.L	1199.705	0.0048	3	1	31.5	0
P12163_1_F9,13038	R.VLLEEHR.L	1199.705	0.00628	2	1	26.3	0
P12163_2_F7,11944	R.VLLEEHR.L	1199.705	0.00359	3	1	48.8	0
P12163_2_F7,11968	R.VLLEEHR.L	1199.705	0.00286	2	1	34	0
P12163_2_F10,1540	R.YSGPTIHFVDEHYDTG	2298.109	-0.00088	4	1	38.7	0
P12163_2_F4,15462	R.YSGPTIHFVDEHYDTG	2298.109	0.0022	4	1	35.9	0
P12163_2_F4,15463	R.YSGPTIHFVDEHYDTG	2298.109	-0.00086	3	1	42.4	0
P12163_2_S3,14741	R.YSGPTIHFVDEHYDTG	2298.109	0.00296	4	1	27.4	0
P12163_1_F4,14772	K.ANLADEDIK.A	1596.905	0.00963	3	1	39.2	0
P12163_1_F5,13447	K.ANLADEDIK.A	1596.905	-0.00255	2	1	31.6	0
P12163_2_F1,13745	K.ANLADEDIK.A	1596.905	0.00335	2	1	42.6	0
P12163_1_F4,25772	K.LFGVTTLDVVR.A	1523.91	0.00205	2	1	30.9	0
P12163_1_S1,19465	K.LFGVTTLDVVR.A	1523.91	0.00221	3	1	24.3	0
P12163_1_S1,20850	K.LFGVTTLDVVR.A	1523.91	0.00089	3	1	30.9	0
P12163_1_S1,22819	K.LFGVTTLDVVR.A	1523.91	0.00372	2	1	38.5	0
P12163_1_S1,22985	K.LFGVTTLDVVR.A	1523.91	0.00215	3	1	74.4	0
P12163_1_S1,23027	K.LFGVTTLDVVR.A	1523.91	0.00418	2	1	36.6	0
P12163_1_S1,23856	K.VAVLGAAGGIGQPLAI	2403.462	0.00582	4	1	40	0
P12163_1_F3,22350	R.DDLFNINAGIVK.T ! R.	1927.111	0.00659	2	1	71.4	0
P12163_1_F3,22356	R.DDLFNINAGIVK.T ! R.	1927.111	0.00685	3	1	58.9	0
P12163_1_F6,20960	R.DDLFNINAGIVK.T ! R.	1927.111	0.00265	3	1	24.9	0
P12163_1_F6,20959	R.LALYDIANTPGVAAD\	2585.399	0.00029	4	1	56.9	0
P12163_1_F6,20998	R.LALYDIANTPGVAAD\	2585.399	0.00257	3	1	90	0
P12163_1_F6,21941	R.LALYDIANTPGVAAD\	2585.399	0.00194	3	1	88.1	0
P12163_1_F6,22170	R.LALYDIANTPGVAAD\	2585.399	-0.00211	3	1	40.8	0
P12163_2_F8_12070	R.LALYDIANTPGVAAD\	2585.399	0.00317	3	1	81.5	0
P12163_2_F8_12070	R.LALYDIANTPGVAAD\	2585.399	0.00421	4	1	64.3	0
P12163_1_F3,9270	R.TQDGGTEVVEAK.A	1842.006	0.00676	3	1	23.1	0
P12163_1_F3,11287	R.TQDGGTEVVEAK.A	1842.006	0.0054	2	1	36.9	0
P12163_1_F2,6539	K.GSTFHR.V ! K.GSTFHR	1008.553	0.00449	3	1	33.1	0
P12163_1_F4,6988	K.GSTFHR.V ! K.GSTFHR	1008.553	0.00467	3	1	26.4	0
P12163_2_S3,6565	K.GSTFHR.V ! K.GSTFHR	1008.553	0.00554	3	1	29.5	0
P12163_1_S10,1275	K.HVVFGK.V ! R.HVVFG	1294.809	0.00417	3	1	30.5	0
P12163_2_F8_12070	K.HVVFGK.V ! R.HVVFG	1294.809	0.00426	3	1	27	0
P12163_1_F4,7410	K.TAENFR.Q ! K.TAENFF	1041.563	0.00249	3	1	33.7	0
P12163_2_F2,7039	K.TAENFR.Q ! K.TAENFF	1041.563	0.00225	3	1	31.4	0
P12163_1_F3,20986	K.VLSGMDVVYK.V	1718.997	0.0059	2	1	40.3	0
P12163_1_F4,21621	K.VLSGMDVVYK.V	1718.997	0.01116	2	1	45.2	0
P12163_1_F4,21627	K.VLSGMDVVYK.V	1718.997	0.00979	3	1	22.7	0
P12163_2_F1,21162	K.VLSGMDVVYK.V	1718.997	0.0031	2	1	40.4	0
P12163_1_F5,9906	R.ALCTGEK.G	1386.787	0.00705	2	1	26.7	0
P12163_1_F6,10902	R.ALCTGEK.G	1386.787	0.01195	2	1	26.2	0
P12163_1_F8,10102	R.ALCTGEK.G	1386.787	0.00237	2	1	27.1	0
P12163_2_F2,10720	R.ALCTGEK.G	1386.787	0.00655	2	1	27	0
P12163_2_F2,10838	R.ALCTGEK.G	1386.787	0.00185	3	1	29.9	0
P12163_2_F2,11178	R.ALCTGEK.G	1386.787	0.00683	2	1	26.2	0

P12163_1_F5,11003	R.GGESIYGEK.F	1547.853	0.00892	2	1	35.5	0
P12163_2_F1,11384	R.GGESIYGEK.F	1547.853	0.00362	2	1	25.5	0
P12163_2_F1,11397	R.GGESIYGEK.F	1547.853	0.00199	3	1	42.5	0
P12163_1_F8,18677	K.FIAGHSDVM*AGVLA\	2239.273	0.00293	3	1	37.3	0
P12163_1_F8,21568	K.FIAGHSDVM*AGVLA\	2239.273	0.00107	3	1	40.3	0
P12163_1_F8,21477	K.FIAGHSDVMAGVLAV	2223.278	0.00332	3	1	38.4	0
P12163_1_F9,8435	K.HVVETTK.Y	1421.857	0.00286	3	1	35.2	0
P12163_1_F8,20523	K.IAEFLASHPR.V	1444.821	0.00112	3	1	32.2	0
P12163_1_F8,20830	K.IAEFLASHPR.V	1444.821	0.00652	3	1	25.3	0
P12163_1_F9,19964	K.IAEFLASHPR.V	1444.821	0.0004	3	1	23.2	0
P12163_2_F6,20025	K.IAEFLASHPR.V	1444.821	-0.00095	3	1	26.4	0
P12163_2_F6,20262	K.IAEFLASHPR.V	1444.821	0.00394	3	1	33	0
P12163_2_F7,18105	K.IAEFLASHPR.V	1444.821	0.00286	3	1	49.5	0
P12163_1_F5,5196	K.QQDNAQK.I	1439.806	0.00512	2	1	26.4	0
P12163_2_F1,5500	K.QQDNAQK.I	1439.806	0.0039	2	1	27.2	0
P12163_2_F2,6130	K.QQDNAQK.I	1439.806	0.00596	2	1	24	0
P12163_1_F3,21919	R.DALESLLAK.L	1567.951	0.00648	3	1	28.3	0
P12163_1_F4,22698	R.DALESLLAK.L	1567.951	0.00459	3	1	25.2	0
P12163_1_F4,22703	R.DALESLLAK.L	1567.951	0.00957	2	1	30.7	0
P12163_1_F4,22963	R.DALESLLAK.L	1567.951	0.00215	2	1	27.3	0
P12163_1_F5,21423	R.DALESLLAK.L	1567.951	0.00777	3	1	31.8	0
P12163_2_F1,22223	R.DALESLLAK.L	1567.951	0.0069	3	1	33.9	0
P12163_2_F1,11151	R.QQICDIR.K	1236.667	0.00231	2	1	26.2	0
P12163_1_F2,23746	K.EYLPIEGLAAFNK.V	2073.184	0.00274	2	1	48.2	0
P12163_1_F2,23918	K.EYLPIEGLAAFNK.V	2073.184	0.01052	3	1	37.6	0
P12163_1_F3,24782	K.EYLPIEGLAAFNK.V	2073.184	0.00659	3	1	42.6	0
P12163_1_F3,24796	K.EYLPIEGLAAFNK.V	2073.184	0.01008	2	1	46.9	0
P12163_1_F5,23786	K.EYLPIEGLAAFNK.V	2073.184	0.0074	3	1	40.4	0
P12163_1_F6,23326	K.EYLPIEGLAAFNK.V	2073.184	0.00278	3	1	33.7	0
P12163_1_F7,22762	K.EYLPIEGLAAFNK.V	2073.184	0.00689	3	1	45.8	0
P12163_2_F8_12070	K.EYLPIEGLAAFNK.V	2073.184	-0.00031	3	1	29.1	0
P12163_1_F9,17259	K.INLGVGAYR.D ! K.LNI	1266.747	-0.00395	2	1	33.1	0
P12163_1_F9,14424	K.KAENMLER.G	1711.998	0.00711	3	1	29.8	0
P12163_1_F2,24005	K.VTAELFGADNSVLK.	2185.269	0.00766	3	1	22.5	0
P12163_1_F3,10764	M.VAAVNVS.F	1119.679	0.00228	3	1	35.4	0
P12163_1_F3,12401	M.VAAVNVS.F	1119.679	0.0014	2	1	24.5	0
P12163_1_F2,22320	R.TEELQPYVLDVVK.K	2141.231	0.00527	3	1	40.1	0
P12163_1_F8,22272	R.TEELQPYVLDVVK.K	2141.231	0.00194	3	1	30.8	0
P12163_1_S1,18672	R.TEELQPYVLDVVK.K	2141.231	0.00653	3	1	37.4	0
P12163_1_S1,18752	R.TEELQPYVLDVVK.K	2141.231	0.002	2	1	30.9	0
P12163_1_S1,21115	R.TEELQPYVLDVVK.K	2141.231	0.0077	2	1	53.8	0
P12163_1_S1,21120	R.TEELQPYVLDVVK.K	2141.231	0.00629	3	1	61.5	0
P12163_1_F4,15950	K.GGLSAGDVAQYK.Y	1845.033	0.00761	3	1	49.7	0
P12163_1_F4,15969	K.GGLSAGDVAQYK.Y	1845.033	0.00586	2	1	75.7	0
P12163_2_F1,15135	K.GGLSAGDVAQYK.Y	1845.033	0.00089	3	1	51.5	0
P12163_2_F1,15148	K.GGLSAGDVAQYK.Y	1845.033	-0.00226	2	1	55.9	0
P12163_1_F4,21081	K.GPGLFADIGK.K	1582.941	0.00998	2	1	42.9	0
P12163_1_F4,21101	K.GPGLFADIGK.K	1582.941	0.0093	3	1	36.2	0
P12163_2_F1,20455	K.GPGLFADIGK.K	1582.941	0.00207	3	1	33.8	0
P12163_2_F1,20487	K.GPGLFADIGK.K	1582.941	0.00034	2	1	25.9	0
P12163_2_F1,20672	K.GPGLFADIGK.K	1582.941	-0.00054	3	1	31.1	0

P12163_2_F1,20699	K.GPGLFADIGK.K	1582.941	0.00878	2	1	30.8	0
P12163_2_F4,18291	K.GPGLFADIGK.K	1582.941	0.0009	3	1	45.9	0
P12163_2_F8,12070	K.LGALLQHEVIPK.S	1926.2	0.00033	3	1	23.5	0
P12163_1_F5,18724	K.NVLFDVK.V	1442.883	0.01048	2	1	30	0
P12163_1_F5,18742	K.NVLFDVK.V	1442.883	0.00794	3	1	30.5	0
P12163_2_F1,18951	K.NVLFDVK.V	1442.883	0.00563	3	1	29.6	0
P12163_2_S5,16986	K.NVLFDVK.V	1442.883	0.00041	3	1	26	0
P12163_1_F3,20112	K.SLLTISSEVDTK.A	1901.105	0.00608	2	1	54.6	0
P12163_1_F6,20951	R.FSTNENTFTVGGSYAV	3094.631	0.00103	3	1	23.9	0
P12163_1_S1,16744	K.EIFGVTDEDEDADK.L	1947.017	0.00168	3	1	73.5	0
P12163_1_F8,18119	K.EIFGVTDEDEDADKLR.Q	2216.202	0.00525	2	1	43.9	0
P12163_1_F8,18237	K.EIFGVTDEDEDADKLR.Q	2216.202	0.00564	3	1	29.4	0
P12163_2_F6,17686	K.EIFGVTDEDEDADKLR.Q	2216.202	0.00399	3	1	32.1	0
P12163_2_F9,16540	K.EIFGVTDEDEDADKLR.Q	2216.202	0.00201	3	1	31.5	0
P12163_2_S5,17106	K.EIFGVTDEDEDADKLR.Q	2216.202	0.00489	3	1	34.8	0
P12163_1_F3,13982	K.GGDAVNPPALK.G	1646.969	0.00956	2	1	37.2	0
P12163_1_F4,14475	K.GGDAVNPPALK.G	1646.969	0.01046	2	1	59.9	0
P12163_1_F4,14582	K.GGDAVNPPALK.G	1646.969	0.00757	3	1	25.8	0
P12163_2_F1,13534	K.GGDAVNPPALK.G	1646.969	0.00484	2	1	62	0
P12163_1_F3,17363	K.GPVVMNMSGYSEK.G	2007.05	0.00526	3	1	55.1	0
P12163_1_F4,24225	K.LAVQALFGK.V	1554.983	0.0027	2	1	38.3	0
P12163_2_F1,23611	K.LAVQALFGK.V	1554.983	0.00402	2	1	27	0
P12163_1_F2,18874	K.TGFSM*EDVLR.K	1474.751	0.00407	3	1	51.1	0
P12163_1_S1,13250	K.TGFSM*EDVLR.K	1474.751	0.00449	3	1	42.1	0
P12163_1_S1,18368	K.TGFSMEDVLR.K	1458.756	0.00239	3	1	45.8	0
P12163_1_S1,19977	K.TGFSMEDVLR.K	1458.756	-0.00058	3	1	48.3	0
P12163_1_S1,20133	K.TGFSMEDVLR.K	1458.756	0.00195	2	1	28.2	0
P12163_1_F4,18216	K.CLEDEAIK.V	1698.956	0.01137	2	1	47.3	0
P12163_1_F4,18221	K.CLEDEAIK.V	1698.956	0.00934	3	1	45.8	0
P12163_2_F1,17465	K.CLEDEAIK.V	1698.956	0.00453	2	1	35.3	0
P12163_2_F1,17490	K.CLEDEAIK.V	1698.956	0.00646	3	1	39.4	0
P12163_2_F6,16259	R.DEEIDYFPSR.Y	1574.764	0.00692	2	1	25.4	0
P12163_1_F6,14944	R.FSTVIHER.G	1292.726	0.00468	3	1	48.8	0
P12163_1_F9,14558	R.FSTVIHER.G	1292.726	0.00456	3	1	57.7	0
P12163_2_F4,13693	R.FSTVIHER.G	1292.726	0.00204	3	1	43.3	0
P12163_2_F9,13763	R.FSTVIHER.G	1292.726	0.00141	3	1	35.8	0
P12163_2_S5,14057	R.FSTVIHER.G	1292.726	0.00351	3	1	32.9	0
P12163_1_F7,20096	R.GPILLEDYHLVEK.L	2134.237	0.00355	3	1	25.4	0
P12163_1_F8,21093	R.GPILLEDYHLVEK.L	2134.237	0.00295	3	1	34.3	0
P12163_2_F10,1853	R.GPILLEDYHLVEK.L	2134.237	0.00456	4	1	25.8	0
P12163_2_S5,19461	R.GPILLEDYHLVEK.L	2134.237	0.00361	3	1	25.2	0
P12163_1_F3,21696	R.LGPNYLQLPVNAPK.C	2132.269	-0.00071	3	1	26.2	0
P12163_1_F3,21747	R.LGPNYLQLPVNAPK.C	2132.269	0.00225	2	1	49.4	0
P12163_2_F6,20783	R.LGPNYLQLPVNAPK.C	2132.269	0.00409	3	1	26.9	0
P12163_1_F9,7932	R.VTHEIR.H	1058.626	0.00542	3	1	28.8	0
P12163_1_F6,12374	K.NHIYTS GASGTNAAVI	2036.083	0.00246	3	1	42.5	0
P12163_2_S3,10956	K.NHIYTS GASGTNAAVI	2036.083	0.0084	3	1	40.1	0
P12163_1_F3,15253	K.QPPESQELLAK.V	1848.069	0.00201	2	1	29.1	0
P12163_1_F3,15269	K.QPPESQELLAK.V	1848.069	0.00376	3	1	23.9	0
P12163_1_F5,15164	K.TVIEKPHNDHLP LIEAS	2677.525	0.00829	3	1	32.6	0
P12163_1_F6,15760	K.TVIEKPHNDHLP LIEAS	2677.525	0.00351	5	1	24.9	0

P12163_2_S5,13248	K.TVIEKPHNDHPLIEAS	2677.525	0.00066	5	1	28.7	0
P12163_2_S5,14246	K.TVIEKPHNDHPLIEAS	2677.525	0.00291	5	1	25.8	0
P12163_2_S5,14275	K.TVIEKPHNDHPLIEAS	2677.525	0.00145	4	1	22.1	0
P12163_2_S5,14337	K.TVIEKPHNDHPLIEAS	2677.525	0.00529	3	1	27.3	0
P12163_1_F7,22594	R.AERPDLTVILPQSLK..	2401.464	0.00403	4	1	35.7	0
P12163_1_F8,23576	R.AERPDLTVILPQSLK..	2401.464	0.00424	3	1	23.7	0
P12163_2_F9,20887	R.AERPDLTVILPQSLK..	2401.464	0.00087	4	1	23.3	0
P12163_2_S5,21395	R.AERPDLTVILPQSLK..	2401.464	0.00035	4	1	27.7	0
P12163_1_F3,18095	R.AIGFFGTR.N	1172.673	0.00394	3	1	24.8	0
P12163_1_F4,18087	R.LLM*ETCQEAK.N	1846.986	0.00345	2	1	25	0
P12163_1_F4,18104	R.LLM*ETCQEAK.N	1846.986	0.01109	3	1	33.5	0
P12163_2_F1,17230	R.LLMETCQEAK.N	1830.991	0.00761	2	1	40.6	0
P12163_2_F8_12070	K.GAEAALTAIEM*ASLF	2763.496	0.00624	4	1	29.2	0
P12163_2_F8_12070	K.GAEAALTAIEM*ASLF	2763.496	0.00104	4	1	27.1	0
P12163_1_F3,23146	K.LLLEGALETFK.K	1842.12	0.0044	3	1	39.1	0
P12163_1_F3,23191	K.LLLEGALETFK.K	1842.12	0.00465	2	1	37.8	0
P12163_1_F3,26575	K.LLLEGALETFK.K	1842.12	0.00848	3	1	36.4	0
P12163_1_F3,26593	K.LLLEGALETFK.K	1842.12	0.00437	2	1	56.1	0
P12163_1_F4,27486	K.LLLEGALETFK.K	1842.12	0.00848	3	1	49.2	0
P12163_1_F4,27487	K.LLLEGALETFK.K	1842.12	0.00729	2	1	30.9	0
P12163_1_S10,2116	K.LLLEGALETFKK.Y	2274.42	0.00128	4	1	35	0
P12163_1_F2,18059	R.FAVVVAR.F	1065.672	0.00243	2	1	26.8	0
P12163_1_F5,17667	R.FNELVTK.L	1458.878	0.00656	2	1	23.9	0
P12163_2_S5,16761	R.FNELVTK.L	1458.878	0.00448	3	1	24.5	0
P12163_1_F6,16815	R.HLTGFLTK.N	1524.936	0.00169	3	1	30.6	0
P12163_1_F9,16528	R.HLTGFLTK.N	1524.936	0.00322	3	1	35.5	0
P12163_2_F4,15520	R.HLTGFLTK.N	1524.936	0.0052	3	1	22.8	0
P12163_2_F4,15777	R.HLTGFLTK.N	1524.936	0.00568	3	1	22	0
P12163_2_F9,15533	R.HLTGFLTK.N	1524.936	0.00532	3	1	25.4	0
P12163_2_S5,15603	R.HLTGFLTK.N	1524.936	0.00256	3	1	38.7	0
P12163_1_F3,17442	K.LVIVGDGGTGK.T	1623.989	0.00686	2	1	33.9	0
P12163_1_F4,17728	K.NLQYYEISAK.S	1837.032	0.00637	3	1	44.2	0
P12163_1_F4,17823	K.NLQYYEISAK.S	1837.032	0.0064	2	1	48.1	0
P12163_1_F5,16489	K.NLQYYEISAK.S	1837.032	0.00732	2	1	44.2	0
P12163_1_F9,16694	K.NLQYYEISAK.S	1837.032	0.00734	2	1	46.4	0
P12163_1_F9,16710	K.NLQYYEISAK.S	1837.032	0.00487	3	1	40.3	0
P12163_2_F1,16919	K.NLQYYEISAK.S	1837.032	0.00706	2	1	40.8	0
P12163_2_F1,16962	K.NLQYYEISAK.S	1837.032	0.00619	3	1	44.3	0
P12163_2_F9,15756	K.NLQYYEISAK.S	1837.032	0.00691	3	1	35.4	0
P12163_2_F10,9659	K.QVTFHR.K	1091.626	0.00406	3	1	33	0
P12163_2_F8_12070	K.QVTFHR.K	1091.626	0.0025	3	1	33.1	0
P12163_2_F1,18795	R.FYCWDTAGQEK.F	2013	0.00774	2	1	41.2	0
P12163_1_F9,13088	R.HLTGEFEK.K	1568.889	0.00731	3	1	28.3	0
P12163_2_F8_12070	R.HLTGEFEK.K	1568.889	0.00479	3	1	27.3	0
P12163_1_F3,20410	R.VCENIPIVLCGNK.V	2124.177	0.00565	2	1	42.5	0
P12163_1_F3,20418	R.VCENIPIVLCGNK.V	2124.177	0.0088	3	1	51.3	0
P12163_2_F4,18605	R.VCENIPIVLCGNK.V	2124.177	-0.00158	3	1	24.9	0
P12163_1_F9,8296	K.HVTTVK.N	1292.815	0.00768	3	1	27.9	0
P12163_2_F4,7790	K.HVTTVK.N	1292.815	0.00633	3	1	29.3	0
P12163_2_F8_12070	K.HVTTVK.N	1292.815	0.00297	3	1	26.8	0
P12163_1_F6,9449	K.IHHLNAGAEK.I	1697.991	-0.00075	4	1	25.3	0

P12163_1_F6,9467	K.IHHLNAGAEK.I	1697.991	-0.00113	2	1	32.9	0
P12163_1_F6,9477	K.IHHLNAGAEK.I	1697.991	-0.00488	3	1	37.1	0
P12163_2_F7,8638	K.IHHLNAGAEK.I	1697.991	0.00238	3	1	29.2	0
P12163_1_F3,24865	K.IQYDVVQM*LLK.H	1974.155	0.0079	3	1	32.2	0
P12163_1_F3,25107	K.IQYDVVQM*LLK.H	1974.155	0.00392	3	1	28	0
P12163_1_F4,12373	K.LAESSGDSGANVK.R	1843.002	0.00652	3	1	72	0
P12163_2_F1,11389	K.LAESSGDSGANVK.R	1843.002	0.00715	3	1	72.9	0
P12163_2_F1,11467	K.LAESSGDSGANVK.R	1843.002	0.00701	2	1	65.7	0
P12163_1_F9,6579	R.EIAEHR.A	1058.59	0.00287	2	1	25.1	0
P12163_1_F9,6597	R.EIAEHR.A	1058.59	0.00414	3	1	39.3	0
P12163_2_F9,7309	R.EIAEHR.A	1058.59	0.00243	3	1	31.3	0
P12163_2_F8_12070	R.GHGGIQQLLAAEQEAC	2672.453	-0.0032	4	1	49.7	0
P12163_2_F8_12070	R.GHGGIQQLLAAEQEAC	2672.453	0.00328	4	1	56.2	0
P12163_1_F9,13760	K.LGLHSLR.Q	1099.689	0.00582	3	1	27.3	0
P12163_1_S10,1383	K.LGLHSLR.Q	1099.689	0.00411	3	1	27.6	0
P12163_2_F8_12070	K.LGLHSLR.Q	1099.689	0.00096	3	1	23.5	0
P12163_1_F3,22280	K.NISFTVWDVGGQDK.I	2174.17	0.00557	3	1	53	0
P12163_1_F3,22292	K.NISFTVWDVGGQDK.I	2174.17	0.00447	2	1	52.7	0
P12163_1_F2,15045	K.QDLPNAM*NAAEITDK	2255.18	0.00945	3	1	49.7	0
P12163_1_F2,17460	K.QDLPNAM*NAAEITDK	2255.18	0.0084	3	1	60.1	0
P12163_1_F2,17366	K.QDLPNAMNAAEITDK	2239.185	0.0102	3	1	40.7	0
P12163_1_F4,25130	R.DAVLLVFANK.Q	1698.041	0.00766	2	1	48.2	0
P12163_1_F4,25142	R.DAVLLVFANK.Q	1698.041	0.00837	3	1	32.2	0
P12163_1_F5,23424	R.DAVLLVFANK.Q	1698.041	0.00903	3	1	32.5	0
P12163_1_F6,22847	R.DAVLLVFANK.Q	1698.041	0.00108	3	1	33.3	0
P12163_1_S10,7703	R.DEIHR.L ! R.DEIHR.V !	973.5368	0.00142	3	1	25.2	0
P12163_2_F8_12070	R.DEIHR.L ! R.DEIHR.V !	973.5368	0.00487	3	1	23.9	0
P12163_1_F3,24417	R.ILM*VGLDAAGK.T	1712.024	0.01475	3	1	40.2	0
P12163_1_F3,24177	R.ILMVGLDAAGK.T	1696.029	0.00749	3	1	36.2	0
P12163_1_F3,24222	R.ILMVGLDAAGK.T	1696.029	0.00644	2	1	37.7	0
P12163_1_F6,15030	K.HILNLGHGK.V	1710.063	0.00503	3	1	24.4	0
P12163_1_F3,19914	K.NVSVAEPMLLK.A	1809.076	0.00427	3	1	42.5	0
P12163_1_F5,14515	K.SYQIICEK.Y	1648.919	0.01182	2	1	32.8	0
P12163_1_F9,15084	K.SYQIICEK.Y	1648.919	0.00678	2	1	33.7	0
P12163_2_F1,14609	K.SYQIICEK.Y	1648.919	0.0009	3	1	28.5	0
P12163_2_F2,15333	K.SYQIICEK.Y	1648.919	0.00448	2	1	30.9	0
P12163_1_F7,21242	K.VGTPEENVAHFFEVA	2382.291	0.00472	3	1	50.1	0
P12163_1_F7,21250	K.VGTPEENVAHFFEVA	2382.291	0.0035	4	1	37.9	0
P12163_1_F8,22240	K.VGTPEENVAHFFEVA	2382.291	0.00542	4	1	24	0
P12163_1_F8,22260	K.VGTPEENVAHFFEVA	2382.291	0.00631	3	1	49	0
P12163_2_S5,17453	K.VGTPEENVAHFFEVA	2382.291	0.00472	3	1	29.2	0
P12163_1_F9,18705	K.VLHALLR.K	1125.741	0.00423	3	1	35.4	0
P12163_1_F9,18911	K.VLHALLR.K	1125.741	0.00336	3	1	33.7	0
P12163_2_F7,16674	K.VLHALLR.K	1125.741	0.00288	3	1	31.5	0
P12163_1_S1,17808	R.EFDPEESVPYVGK.A	2104.106	0.00497	3	1	47.1	0
P12163_1_S1,17817	R.EFDPEESVPYVGK.A	2104.106	-0.00019	2	1	29.6	0
P12163_2_F6,18248	R.EFDPEESVPYVGK.A	2104.106	0.0044	3	1	31.1	0
P12163_1_F5,15683	K.EQAISALGK.L	1524.921	-0.00613	3	1	28.7	0
P12163_1_F5,15697	K.EQAISALGK.L	1524.921	0.00704	3	1	34.7	0
P12163_1_F4,19395	K.GLSLEEIESK.I	1712.989	0.00667	3	1	50.9	0
P12163_1_F4,19420	K.GLSLEEIESK.I	1712.989	0.00602	2	1	59.2	0

P12163_1_F7,17210	K.GLSLEEIESK.I	1712.989	0.0008	2	1	24.5	0
P12163_2_F1,18869	K.GLSLEEIESK.I	1712.989	0.00403	3	1	48.4	0
P12163_2_F1,18903	K.GLSLEEIESK.I	1712.989	0.0045	2	1	42.1	0
P12163_2_S5,16694	K.GLSLEEIESK.I	1712.989	-0.00197	3	1	24.7	0
P12163_1_F5,11748	K.GSLQEYK.E	1432.826	0.01442	2	1	28.3	0
P12163_1_F5,11807	K.GSLQEYK.E	1432.826	0.00407	3	1	30.5	0
P12163_2_F2,12536	K.GSLQEYK.E	1432.826	0.00732	2	1	29.1	0
P12163_2_F2,12543	K.GSLQEYK.E	1432.826	0.00758	3	1	27.9	0
P12163_1_F3,25944	K.SEGSFLELFQGPNLK.A	2274.259	0.00513	3	1	39.4	0
P12163_1_S1,6368	R.EYSAGGEDES.R.I	1503.686	0.00365	3	1	23.7	0
P12163_1_S1,7182	R.EYSAGGEDES.R.I	1503.686	0.00611	3	1	44.3	0
P12163_1_S1,8164	R.EYSAGGEDES.R.I	1503.686	0.00479	3	1	52.2	0
P12163_1_F3,20970	R.QIEDTLVSLK.S	1754.052	0.00979	2	1	46.1	0
P12163_1_F3,14955	K.CQGLALVNR.F	1334.752	0.00296	2	1	24.4	0
P12163_1_F3,19492	K.GVELSQTPIELK.S	1922.142	0.00519	2	1	64.9	0
P12163_1_F3,19495	K.GVELSQTPIELK.S	1922.142	0.00601	3	1	42.2	0
P12163_1_F4,15308	K.LISDAEK.A	1383.83	0.0079	2	1	28.7	0
P12163_1_F7,17176	K.QSPLAISHEYEVIK.I	2222.264	0.00482	3	1	25.8	0
P12163_1_F8,18034	K.QSPLAISHEYEVIK.I	2222.264	0.0059	3	1	31.4	0
P12163_2_F10,1605	K.QSPLAISHEYEVIK.I	2222.264	0.00317	3	1	26.5	0
P12163_2_F10,1608	K.QSPLAISHEYEVIK.I	2222.264	0.00174	4	1	25.4	0
P12163_2_F6,17527	K.QSPLAISHEYEVIK.I	2222.264	0.00104	3	1	35	0
P12163_1_F4,22747	R.FNVEEVFK.C	1619.925	0.00629	2	1	35.8	0
P12163_1_F4,22753	R.FNVEEVFK.C	1619.925	0.00412	3	1	31.2	0
P12163_1_F5,21388	R.FNVEEVFK.C	1619.925	0.00709	2	1	26.9	0
P12163_2_F1,22194	R.FNVEEVFK.C	1619.925	0.00783	2	1	42.9	0
P12163_2_F1,22195	R.FNVEEVFK.C	1619.925	0.00481	3	1	28.9	0
P12163_1_S1,12324	R.SAGCTEEYSVVER.S	1790.853	0.00863	2	1	43.2	0
P12163_1_S1,12344	R.SAGCTEEYSVVER.S	1790.853	0.0028	3	1	40.5	0
P12163_1_F2,18324	K.CGINYQPPTVVPGGDL	2494.358	0.01244	3	1	22	0
P12163_1_S1,17084	K.CGINYQPPTVVPGGDL	2494.358	0.00704	3	1	43.9	0
P12163_1_F3,16232	K.DVNAAVATIK.T	1609.973	0.01067	2	1	50.8	0
P12163_1_F3,16249	K.DVNAAVATIK.T	1609.973	0.00358	3	1	31.1	0
P12163_1_F4,16677	K.DVNAAVATIK.T	1609.973	0.00647	2	1	49.8	0
P12163_1_F4,16736	K.DVNAAVATIK.T	1609.973	0.00577	3	1	51.9	0
P12163_2_F1,15943	K.DVNAAVATIK.T	1609.973	0.00313	2	1	48.6	0
P12163_1_F4,21549	K.FDLMYAK.R	1495.844	0.00717	2	1	28.7	0
P12163_2_F1,16132	R.EDLAALEK.D	1496.878	0.00811	2	1	26.9	0
P12163_2_F1,16157	R.EDLAALEK.D	1496.878	0.00627	3	1	26.3	0
P12163_1_F8,19059	R.QLFHPEQLISGK.E	2005.169	0.01053	2	1	40.3	0
P12163_1_F8,19062	R.QLFHPEQLISGK.E	2005.169	0.00359	3	1	36.2	0
P12163_2_F6,18606	R.QLFHPEQLISGK.E	2005.169	0.00245	3	1	37.5	0
P12163_2_F6,18623	R.QLFHPEQLISGK.E	2005.169	0.00461	2	1	41.9	0
P12163_1_F3,23150	R.TVQFVDWCPTGFK.C	2193.162	0.00535	3	1	49	0
P12163_1_F3,23178	R.TVQFVDWCPTGFK.C	2193.162	0.00377	2	1	54.3	0
P12163_1_F8,13833	K.GLCSPGDVVALHR.I	1755.948	0.00622	3	1	24.2	0
P12163_1_F8,16063	K.GLCSPGDVVALHR.I	1755.948	0.00034	3	1	75.6	0
P12163_2_F6,15517	K.GLCSPGDVVALHR.I	1755.948	-0.00068	3	1	63	0
P12163_2_S5,14739	K.GLCSPGDVVALHR.I	1755.948	0.00199	3	1	67.6	0
P12163_1_F2,12689	K.IVCTLGPASR.S	1377.783	0.00296	3	1	22.4	0
P12163_1_F2,14970	K.IVCTLGPASR.S	1377.783	0.0005	3	1	49.3	0

P12163_1_F9,10798	K.VLGPHAK.N	1329.846	0.00699	3	1	36.1	0
P12163_1_F2,18593	R.GDLGM*EIPVEK.I	1812.003	0.00011	2	1	25.6	0
P12163_1_F3,19175	R.GDLGMEIPVEK.I	1796.008	0.0151	2	1	40.8	0
P12163_1_F3,22656	R.GLIPILAEGBSAK.A	1777.104	0.00559	3	1	36.3	0
P12163_2_F1,22986	R.GLIPILAEGBSAK.A	1777.104	0.00341	2	1	25.9	0
P12163_2_F1,23025	R.GLIPILAEGBSAK.A	1777.104	0.00799	3	1	25.5	0
P12163_1_F4,19035	R.IGVASVIK.I	1394.919	0.00307	3	1	28.3	0
P12163_2_F1,18278	R.IGVASVIK.I	1394.919	0.00445	3	1	31.1	0
P12163_2_F1,18286	R.IGVASVIK.I	1394.919	0.00272	2	1	26.7	0
P12163_1_F3,12393	K.ATNELVLR.L ! R.ATNI	1219.731	0.00181	3	1	32.1	0
P12163_2_F1,14196	K.ATNELVLR.L ! R.ATNI	1219.731	0.00389	2	1	26.6	0
P12163_1_S1,17758	K.ELVENLSVLR.F	1475.873	0.00063	3	1	23.5	0
P12163_1_S1,20471	K.ELVENLSVLR.F	1475.873	-0.00201	3	1	29	0
P12163_1_S1,20474	K.ELVENLSVLR.F	1475.873	0.00232	2	1	26.1	0
P12163_1_F5,14523	R.IDHYLGK.E	1453.862	0.00756	3	1	24.1	0
P12163_1_F6,15310	R.IDHYLGK.E	1453.862	0.0057	2	1	25.8	0
P12163_1_F6,15324	R.IDHYLGK.E	1453.862	0.00696	3	1	35.4	0
P12163_2_F9,14321	R.IDHYLGK.E	1453.862	0.0033	3	1	25.7	0
P12163_2_S5,14430	R.IDHYLGK.E	1453.862	0.00453	3	1	35.6	0
P12163_1_F3,19552	R.LQPDEAIYLK.I	1798.057	0.0072	2	1	39.3	0
P12163_1_F3,19558	R.LQPDEAIYLK.I	1798.057	0.00661	3	1	34.9	0
P12163_1_S1,21121	R.LVLDAIEGER.R	1418.816	0.00387	2	1	44.8	0
P12163_1_S1,21369	R.LVLDAIEGER.R	1418.816	-0.00161	2	1	42.3	0
P12163_1_F4,25879	R.WDGVFLM*K.A	1716.96	0.00867	3	1	25.8	0
P12163_1_F3,20880	K.AFLQGGDCAESFK.E	2151.136	0.00838	3	1	69	0
P12163_1_F4,14355	K.APEPVLK.T	1361.861	0.01774	2	1	31.6	0
P12163_1_F4,17984	K.GVANPLGIK.V ! R.GV	1476.936	0.00597	2	1	37.9	0
P12163_2_F1,17047	K.GVANPLGIK.V ! R.GV	1476.936	0.00662	2	1	38.9	0
P12163_2_F1,17095	K.GVANPLGIK.V ! R.GV	1476.936	0.00575	3	1	44	0
P12163_2_F2,1227	K.GVANPLGIK.V ! R.GV	1476.936	0.01526	3	1	27.3	0
P12163_2_S5,15311	K.GVANPLGIK.V ! R.GV	1476.936	-0.0046	3	1	31.7	0
P12163_1_F9,15584	K.LPHLIR.A	1052.688	0.00363	3	1	29.9	0
P12163_1_F9,16999	K.LPHLIR.A	1052.688	0.003	3	1	25.5	0
P12163_1_S10,1536	K.LPHLIR.A	1052.688	0.00438	3	1	23.7	0
P12163_2_F1,12799	R.AFATGGYAAM*QR.V	1563.789	0.00256	3	1	25.2	0
P12163_1_F2,13174	R.AFATGGYAAMQR.V	1547.794	0.00187	3	1	52.5	0
P12163_1_F2,15591	R.AFATGGYAAMQR.V	1547.794	0.00525	2	1	35.5	0
P12163_1_F4,5753	R.YHTHCDPR.L	1389.664	0.00037	2	1	27.4	0
P12163_2_F2,5773	R.YHTHCDPR.L	1389.664	0.00285	2	1	30.6	0
P12163_1_F5,14446	K.APLGGLK.K	1263.824	0.007	3	1	26	0
P12163_2_F2,15187	K.APLGGLK.K	1263.824	0.00115	3	1	22.6	0
P12163_1_F4,25968	K.EANNFLWPFK.L	1874.042	0.00392	3	1	27.4	0
P12163_2_F1,25119	K.EANNFLWPFK.L	1874.042	0.00305	3	1	39	0
P12163_1_F4,16353	K.GGFYVNPEAK.L	1689.942	0.00368	2	1	28.7	0
P12163_1_F5,15071	K.GGFYVNPEAK.L	1689.942	0.00951	2	1	43	0
P12163_2_F1,15461	K.GGFYVNPEAK.L	1689.942	-0.00236	2	1	32.5	0
P12163_1_F9,6825	R.NHYVEGGDAGNR.E	1592.772	0.0047	3	1	33.7	0
P12163_2_S5,7485	R.NHYVEGGDAGNR.E	1592.772	0.00062	3	1	30	0
P12163_1_F4,23335	R.QIFNGVFLK.V	1674.02	0.00222	3	1	28.6	0
P12163_2_F1,22789	R.QIFNGVFLK.V	1674.02	0.00618	2	1	51	0
P12163_2_F1,22794	R.QIFNGVFLK.V	1674.02	0.00372	3	1	33.2	0

P12163_1_F3,20272	R.VEPYVTYGYPNLK.S	2151.195	0.00245	2	1	55.4	0
P12163_2_F6,19286	R.VEPYVTYGYPNLK.S	2151.195	-0.00247	3	1	35.7	0
P12163_2_F6,19337	R.VEPYVTYGYPNLK.S	2151.195	0.00333	2	1	43.1	0
P12163_2_F1,11441	K.ALPDEK.K	1280.767	0.00538	3	1	22.8	0
P12163_1_F5,20712	K.EFFEALK.T	1491.867	0.00745	2	1	25.7	0
P12163_1_F5,20719	K.EFFEALK.T	1491.867	0.00632	3	1	22.6	0
P12163_1_F5,6585	K.GEEQEAAK.K	1469.806	0.00694	2	1	25.7	0
P12163_2_F1,6996	K.GEEQEAAK.K	1469.806	0.00682	2	1	26	0
P12163_2_F1,7005	K.GEEQEAAK.K	1469.806	0.00539	3	1	29.6	0
P12163_1_F5,14792	K.IALAEK.G ! R.IALAEK	1252.808	0.0024	3	1	27.8	0
P12163_2_F2,15557	K.IALAEK.G ! R.IALAEK	1252.808	0.00408	3	1	25.9	0
P12163_1_F8,16648	K.SPLLLQM*NPVHK.K	2001.177	0.00264	3	1	43.3	0
P12163_1_F8,19531	K.SPLLLQM*NPVHK.K	2001.177	0.00498	3	1	31.7	0
P12163_2_F6,16142	K.SPLLLQM*NPVHK.K	2001.177	0.00801	3	1	47.9	0
P12163_1_F8,19534	K.SPLLLQMNPNVHK.K	1985.183	0.00384	3	1	63.3	0
P12163_1_F8,19539	K.SPLLLQMNPNVHK.K	1985.183	0.00528	4	1	31.7	0
P12163_2_F6,18980	K.SPLLLQMNPNVHK.K	1985.183	0.00396	4	1	29.5	0
P12163_1_F7,23719	R.FWVDFIDK.K	1677.946	0.00328	3	1	22.4	0
P12163_1_F4,16413	K.DLAAAIK.D	1309.83	0.0099	2	1	34.5	0
P12163_2_F9,17876	K.NREEALIVLAEAK.R	2064.227	0.01041	3	1	41.2	0
P12163_1_F3,23879	R.EEALIVLAEAK.R	1794.083	0.00046	2	1	49.6	0
P12163_1_F4,24668	R.EEALIVLAEAK.R	1794.083	0.00844	3	1	23.2	0
P12163_1_F3,25634	R.LLADDLFLAK.V	1727.056	0.00482	3	1	35.1	0
P12163_1_F3,25808	R.LLADDLFLAK.V	1727.056	0.00568	2	1	52.5	0
P12163_1_S1,22705	R.LLADDLFLAK.V	1727.056	0.00314	3	1	32.3	0
P12163_2_S5,13625	R.SSFAVHAGPISK.F	1809.048	0.00394	3	1	27.3	0
P12163_1_F2,22407	R.YQVLAGVIEQR.I	1579.911	0.00283	3	1	54.5	0
P12163_1_S1,21494	R.YQVLAGVIEQR.I	1579.911	0.00594	2	1	33	0
P12163_1_S1,21551	R.YQVLAGVIEQR.I	1579.911	0.00391	3	1	47.2	0
P12163_1_S1,21767	R.YQVLAGVIEQR.I	1579.911	0.00277	3	1	75.1	0
P12163_2_F7,19892	R.YQVLAGVIEQR.I	1579.911	0.00274	3	1	55.4	0
P12163_2_F7,19912	R.YQVLAGVIEQR.I	1579.911	0.00162	2	1	47.9	0
P12163_1_F2,15684	K.DAFTPGEEIEGK.D	1901.011	0.00415	2	1	24.4	0
P12163_1_F3,16196	K.DAFTPGEEIEGK.D	1901.011	0.02227	2	1	31.5	0
P12163_1_F7,22593	K.DVDTLYTTPEM*LHAI	2618.367	0.00675	3	1	30.6	0
P12163_1_F7,20703	K.DVDTLYTTPEMLHALI	2602.372	0.00228	3	1	31.5	0
P12163_1_F7,22604	K.DVDTLYTTPEMLHALI	2602.372	0.00528	3	1	53.8	0
P12163_1_F7,22649	K.DVDTLYTTPEMLHALI	2602.372	0.00407	4	1	26.1	0
P12163_1_S1,17698	K.TLVDAYNFSR.E	1489.795	0.00481	2	1	27.4	0
P12163_1_F3,11170	R.ADAEVDPEM*K.H	1728.893	0.00022	2	1	29.9	0
P12163_1_F3,13151	R.ADAEVDPEM*K.H	1728.893	0.00116	2	1	29.1	0
P12163_1_F2,12748	R.ADAEVDPEMK.H	1712.898	0.00418	2	1	39.9	0
P12163_1_F3,13100	R.ADAEVDPEMK.H	1712.898	0.01476	2	1	33.6	0
P12163_2_F4,12744	R.DVSAVYHDSNEPASIR	2064.03	0.00233	3	1	28.7	0
P12163_2_F4,12779	R.DVSAVYHDSNEPASIR	2064.03	0.00106	2	1	25.8	0
P12163_1_F4,12270	R.EDSVMDGEK.R	1617.825	0.00465	2	1	23.9	0
P12163_1_S1,12099	K.EAAPTFEQPR.M	1449.764	0.0027	3	1	33.2	0
P12163_2_F7,14111	K.LVVHITK.N	1417.935	0.00222	3	1	23.5	0
P12163_2_F1,21136	K.NFMSLPNIK.V	1671.971	0.00982	3	1	29.5	0
P12163_1_F4,18518	K.SFQCELVFAK.M	1837.014	0.00329	3	1	33.7	0
P12163_1_F4,18564	K.SFQCELVFAK.M	1837.014	0.00299	2	1	26.3	0

P12163_1_F4,21020	K.SFQCELVFAK.M	1837.014	0.00347	2	1	24.6	0
P12163_1_F4,23073	K.SFQCELVFAK.M	1837.014	0.00347	3	1	26.9	0
P12163_1_F7,18654	K.SFQCELVFAK.M	1837.014	-0.0001	3	1	27.8	0
P12163_2_F1,20510	K.SFQCELVFAK.M	1837.014	0.00434	3	1	33.8	0
P12163_2_F1,20516	K.SFQCELVFAK.M	1837.014	0.00447	2	1	36.1	0
P12163_1_F3,27916	K.VPLILGIWGGK.G	1761.125	0.00231	3	1	34.6	0
P12163_1_F9,11491	R.VYDDEV.R.K	1199.621	0.00332	2	1	24.6	0
P12163_1_S10,1227	R.VYDDEV.R.K	1199.621	0.00568	2	1	24.2	0
P12163_2_F9,11203	R.VYDDEV.R.K	1199.621	0.00462	2	1	24.2	0
P12163_1_F4,7293	K.DQEQTQTDK.S	1700.891	0.00679	2	1	39.3	0
P12163_2_F1,6480	K.DQEQTQTDK.S	1700.891	0.00139	2	1	24.4	0
P12163_1_S1,23040	K.EVLIVDEFTGR.V	1581.879	0.00702	3	1	33.3	0
P12163_1_F7,17225	K.GVHIVTVNDYLAR.R	1760.996	0.00477	3	1	35.7	0
P12163_1_F8,18006	K.GVHIVTVNDYLAR.R	1760.996	-0.00027	3	1	43.9	0
P12163_1_F8,18020	K.GVHIVTVNDYLAR.R	1760.996	0.00162	2	1	24.4	0
P12163_2_F6,17490	K.GVHIVTVNDYLAR.R	1760.996	0.00252	3	1	50.2	0
P12163_2_F6,17526	K.GVHIVTVNDYLAR.R	1760.996	-0.00162	2	1	37	0
P12163_1_S1,19937	K.QLFEYDEV.LNSQR.D	1944.997	0.00524	3	1	52.2	0
P12163_1_S1,19965	K.QLFEYDEV.LNSQR.D	1944.997	0.00426	2	1	42.6	0
P12163_1_F6,12613	R.DIHYTVDEK.Q	1727.942	0.00695	3	1	22.2	0
P12163_1_F6,12642	R.DIHYTVDEK.Q	1727.942	0.00993	2	1	32.1	0
P12163_2_F6,12075	R.DIHYTVDEK.Q	1727.942	-0.00697	3	1	25.8	0
P12163_1_F3,18221	R.VEDLPIESK.M	1637.957	0.0036	2	1	40.1	0
P12163_1_F5,13034	K.ELAGSIQK.G	1453.883	0.01014	2	1	24.9	0
P12163_2_F1,13383	K.ELAGSIQK.G	1453.883	0.00036	3	1	24.4	0
P12163_1_F4,14464	K.TLCEGIAK.C ! R.TLCE	1499.871	0.01393	2	1	37	0
P12163_1_F5,12999	K.TLCEGIAK.C ! R.TLCE	1499.871	0.01461	2	1	36.1	0
P12163_2_F1,13392	K.TLCEGIAK.C ! R.TLCE	1499.871	0.00549	2	1	25.8	0
P12163_2_F1,13427	K.TLCEGIAK.C ! R.TLCE	1499.871	0.00313	3	1	25.1	0
P12163_1_S1,25550	R.ANTFVAEVLGLDPR.E	1806.006	0.00371	3	1	67.1	0
P12163_1_F3,22350	R.DDLFNINAGIVK.T ! R.	1927.111	0.00659	2	1	71.4	0
P12163_1_F3,22356	R.DDLFNINAGIVK.T ! R.	1927.111	0.00685	3	1	58.9	0
P12163_1_F6,20960	R.DDLFNINAGIVK.T ! R.	1927.111	0.00265	3	1	24.9	0
P12163_2_F1,13209	R.IQNGGTEVVEAK.T ! R	1853.059	-0.00022	2	1	40.9	0
P12163_1_S1,21722	R.LLGVTM*LDVVR.A ! K	1535.913	-0.00397	3	1	22.8	0
P12163_1_S1,24770	R.LLGVTMLDVVR.A ! K.	1519.918	0.00569	2	1	26.4	0
P12163_1_S1,17947	K.NSNM*LLALNPALTGC	1962.074	0.0083	3	1	30.8	0
P12163_1_S1,20683	K.NSNM*LLALNPALTGG	1946.079	0.00203	3	1	41.5	0
P12163_1_S1,21431	K.NSNM*LLALNPALTGG	1946.079	0.00242	3	1	38.9	0
P12163_2_F1,7191	K.QVAQQEAER.S	1362.728	0.00434	2	1	35.6	0
P12163_1_F3,21075	K.VLPSIGNEVLK.A	1777.104	0.02146	2	1	34.1	0
P12163_1_F3,21107	K.VLPSIGNEVLK.A	1777.104	0.00372	3	1	25.9	0
P12163_2_F1,21662	K.VLPSIGNEVLK.A	1777.104	0.00717	3	1	34.1	0
P12163_1_F2,18043	R.AEGESEAAQLISEATSF	2329.234	0.00804	3	1	57.1	0
P12163_1_F3,17215	R.AVLFDR.F	1024.609	0.00277	2	1	25.1	0
P12163_2_F1,16431	R.AVLFDR.F	1024.609	0.00133	2	1	24.6	0
P12163_1_F6,13935	R.SPHVAYLPGGK.N	1734.016	0.00788	3	1	22.2	0
P12163_2_S3,12145	R.SPHVAYLPGGK.N	1734.016	0.00344	3	1	26	0
P12163_2_S5,12865	R.SPHVAYLPGGK.N	1734.016	0.00431	3	1	23.1	0
P12163_2_F1,16807	K.EVYASIVK.A ! K.EVY	1516.919	0.00749	3	1	24	0
P12163_1_F7,15846	K.HVICM*DANIPSAVSS	2577.27	0.00249	3	1	34.6	0

P12163_1_F7,17905	K.HVICMDANIPSAVSSV	2561.275	-0.00078	3	1	28.3	0
P12163_2_S5,17428	K.HVICMDANIPSAVSSV	2561.275	0.00636	3	1	43.4	0
P12163_1_F6,14853	K.LQHGEYVSLGK.V	1839.058	0.00579	3	1	35.6	0
P12163_2_F6,14165	K.LQHGEYVSLGK.V	1839.058	0.00366	3	1	32.6	0
P12163_1_S1,20305	K.LVDLSGQLDTPVK.H	1896.126	0.00648	3	1	57.2	0
P12163_1_F8,15624	R.GIPVDVGGEPGHALR.1	1777.986	0.00228	3	1	37.6	0
P12163_1_F8,15694	R.GIPVDVGGEPGHALR.1	1777.986	-0.00203	2	1	48.5	0
P12163_2_F6,15152	R.GIPVDVGGEPGHALR.1	1777.986	0.00261	3	1	27.3	0
P12163_2_S5,14196	R.GIPVDVGGEPGHALR.1	1777.986	0.00453	3	1	32.7	0
P12163_2_S5,14415	R.GIPVDVGGEPGHALR.1	1777.986	0.00201	3	1	61.6	0
P12163_1_F2,16418	R.VAIFADTR.A	1196.694	0.004	3	1	30	0
P12163_1_F6,8699	K.ANSELSSHQK.K	1708.944	0.00735	3	1	22	0
P12163_1_F9,13728	K.THVVLGCVNK.A	1735.014	0.01064	3	1	26.8	0
P12163_1_F9,13749	K.THVVLGCVNK.A	1735.014	0.0005	3	1	22.6	0
P12163_2_F9,12625	K.THVVLGCVNK.A	1735.014	0.00155	4	1	28.1	0
P12163_1_F6,19766	K.VDDHIGVAIAGLTADC	1984.076	0.00926	3	1	24.9	0
P12163_1_F7,18939	K.VDDHIGVAIAGLTADC	1984.076	0.00149	3	1	35	0
P12163_1_F7,18963	K.VDDHIGVAIAGLTADC	1984.076	0.00115	2	1	66.9	0
P12163_2_F4,18527	K.VDDHIGVAIAGLTADC	1984.076	0.00572	3	1	39.2	0
P12163_1_F4,14230	R.ETLQGETLK.S	1626.952	0.00464	2	1	39.4	0
P12163_2_F1,13195	R.ETLQGETLK.S	1626.952	0.01104	2	1	38.7	0
P12163_1_F3,26147	R.LFQVEYAMEAVK.Q	2036.135	0.00325	3	1	34	0
P12163_1_F4,20416	R.LVVQLADK.A	1493.951	0.00372	2	1	27.1	0
P12163_1_F4,20488	R.LVVQLADK.A	1493.951	0.00594	3	1	29.2	0
P12163_1_F4,18287	K.EIAEVQELK.E	1666.984	0.00366	2	1	36.9	0
P12163_1_F4,18378	K.EIAEVQELK.E	1666.984	0.01043	3	1	36.7	0
P12163_1_F3,26986	K.FDALLVELK.E	1656.019	0.00801	3	1	42.9	0
P12163_1_F4,27817	K.FDALLVELK.E	1656.019	0.0054	3	1	27.3	0
P12163_1_F3,20723	K.ISTMTAEEYFEK.H	2057.072	0.00946	2	1	57.4	0
P12163_1_F3,20732	K.ISTMTAEEYFEK.H	2057.072	0.0122	3	1	42.9	0
P12163_1_F4,21355	K.ISTMTAEEYFEK.H	2057.072	0.01463	3	1	31.8	0
P12163_1_F4,21402	K.ISTMTAEEYFEK.H	2057.072	0.0058	2	1	28	0
P12163_1_F9,15690	K.QAYESIEVPK.Y	1772.005	0.00444	3	1	48.1	0
P12163_1_F4,18583	R.AFDEVNSTLQTK.F	1961.08	0.00779	3	1	30.7	0
P12163_1_F4,18589	R.AFDEVNSTLQTK.F	1961.08	0.01001	2	1	47.6	0
P12163_1_F4,19209	R.TIDWEGMAK.M	1658.903	0.01534	2	1	25.9	0
P12163_2_F1,18459	R.TIDWEGMAK.M	1658.903	0.00688	2	1	27.8	0
P12163_1_F3,10148	K.EGVVDTPAESK.G	1739.964	0.00443	2	1	30.6	0
P12163_1_F3,10189	K.EGVVDTPAESK.G	1739.964	0.00822	3	1	24.7	0
P12163_1_F3,10562	K.EGVVDTPAESK.G	1739.964	0.00384	3	1	23.9	0
P12163_1_F3,12173	K.EGVVDTPAESK.G	1739.964	0.00743	2	1	30.9	0
P12163_1_F3,9701	K.GVVDTPAETK.E	1624.937	0.00459	3	1	29.5	0
P12163_1_F3,11708	K.GVVDTPAETK.E	1624.937	0.00869	2	1	40.1	0
P12163_1_F9,18532	K.KPLLMAIK.S	1826.206	0.01148	3	1	27.7	0
P12163_2_F9,17136	K.KPLLMAIK.S	1826.206	0.00244	4	1	24	0
P12163_1_F2,10972	K.SQIYDVSQSR.M	1486.78	-0.00106	3	1	24.5	0
P12163_1_S1,9775	K.STVPVTDGASSGESTE	2357.229	0.01044	3	1	48.4	0
P12163_1_S1,10717	K.STVPVTDGASSGESTE	2357.229	0.0072	3	1	81.1	0
P12163_1_F3,23097	R.M*FYGPGGPYALFAGF	2200.172	0.00298	3	1	32.5	0
P12163_1_F3,25057	R.MFYGPGGPYALFAGK	2184.177	0.00556	3	1	37.9	0
P12163_1_F2,18998	K.ADEISNIIR.E	1334.758	0.0026	2	1	36.6	0

P12163_1_S1,16282	K.ASSVAQVVNTFQER.G	1839.987	0.00409	3	1	28.3	0
P12163_1_S1,19966	K.ASSVAQVVNTFQER.G	1839.987	-0.00276	2	1	36.3	0
P12163_1_S1,19990	K.ASSVAQVVNTFQER.G	1839.987	-0.0056	3	1	23.5	0
P12163_1_F6,18192	R.EAYPGDVFYLSR.L	1857.944	0.00234	3	1	43.5	0
P12163_1_F7,17300	R.EAYPGDVFYLSR.L	1857.944	0.0045	3	1	51.1	0
P12163_2_F4,16857	R.EAYPGDVFYLSR.L	1857.944	0.00039	3	1	36.9	0
P12163_1_F2,15697	R.ELIIGDR.Q	1119.667	0.00257	2	1	25.5	0
P12163_1_F3,8241	R.GEISASESR.L	1239.648	0.00315	2	1	29.2	0
P12163_1_F5,12091	R.VGSAAQIK.A	1381.862	0.00838	2	1	26.7	0
P12163_2_F2,12258	R.VGSAAQIK.A	1381.862	0.00278	2	1	31.3	0
P12163_2_F2,12884	R.VGSAAQIK.A	1381.862	0.00404	2	1	29.7	0
P12163_2_F2,12971	R.VGSAAQIK.A	1381.862	0.00498	3	1	24.3	0
P12163_1_F4,18697	K.AGGYGVIIPK.G	1582.978	0.01139	3	1	27.5	0
P12163_1_F9,17287	K.AGGYGVIIPK.G	1582.978	0.01295	3	1	43.8	0
P12163_2_F1,17947	K.AGGYGVIIPK.G	1582.978	0.01296	2	1	38.3	0
P12163_2_F9,16015	K.AGGYGVIIPK.G	1582.978	0.01696	2	1	29.3	0
P12163_2_F1,16646	K.KLEPLEVETASSSSQNI	2441.298	0.00027	2	1	55.6	0
P12163_1_S10,7495	K.NHVEEK.V	1363.779	0.0125	3	1	24.1	0
P12163_1_F4,16689	K.NLELTDTVK.N	1640.968	0.01044	3	1	37.1	0
P12163_1_F4,16708	K.NLELTDTVK.N	1640.968	0.00365	2	1	37.5	0
P12163_2_F1,15948	K.NLELTDTVK.N	1640.968	0.00613	2	1	35.7	0
P12163_1_F4,18980	R.CEVTLFTK.K	1605.913	0.00596	3	1	34	0
P12163_2_F1,18166	R.CEVTLFTK.K	1605.913	0.00062	2	1	24.7	0
P12163_1_F3,15266	R.NEETGEINIVYK.R	2017.106	0.00306	3	1	23.7	0
P12163_1_F3,17045	R.NEETGEINIVYK.R	2017.106	0.00627	2	1	53	0
P12163_1_S1,16899	K.DACAFLGDGMSR.I	1603.751	0.00639	2	1	31.4	0
P12163_1_F4,19951	K.EMLSLVK.N	1427.875	0.00279	2	1	29.6	0
P12163_1_F5,19161	K.EMLSLVK.N	1427.875	0.00588	3	1	30.9	0
P12163_2_F1,19307	K.EMLSLVK.N	1427.875	0.01077	2	1	27.1	0
P12163_2_F1,19328	K.EMLSLVK.N	1427.875	0.00141	3	1	29.1	0
P12163_2_F1,19630	K.EMLSLVK.N	1427.875	0.00492	3	1	24.6	0
P12163_1_F8,19159	R.IEGLETVVHGR.G	1513.864	0.00579	3	1	24.5	0
P12163_2_F6,18696	R.IEGLETVVHGR.G	1513.864	0.0102	3	1	53.6	0
P12163_2_F6,18776	R.IEGLETVVHGR.G	1513.864	0.00412	2	1	30.5	0
P12163_1_S1,21640	R.LLFCGVGCQVQALR.S	1925.04	0.00312	3	1	78.8	0
P12163_1_F4,17126	R.TPEEVLAAK.G	1565.936	0.00861	2	1	25.2	0
P12163_2_F1,16253	R.TPEEVLAAK.G	1565.936	0.00609	3	1	24.2	0
P12163_2_S3,13178	R.YSLDYHTIR.N	1471.785	-0.00025	3	1	35.7	0
P12163_1_S1,19081	K.GMIGM*VSIGDVVR.A	1653.897	0.00328	2	1	31.7	0
P12163_1_S1,19096	K.GMIGM*VSIGDVVR.A	1653.897	0.00227	3	1	44.3	0
P12163_1_F3,14882	K.LITVSPDTK.V	1581.967	0.00649	3	1	23.7	0
P12163_1_F3,16851	K.LITVSPDTK.V	1581.967	0.00802	2	1	36.9	0
P12163_1_F3,16872	K.LITVSPDTK.V	1581.967	0.00841	3	1	36.1	0
P12163_1_F2,11667	K.SVAGITER.D	1249.742	0.00371	3	1	22.4	0
P12163_1_F2,16164	K.SVAGITER.D	1249.742	0.00053	2	1	38.9	0
P12163_2_S5,7204	R.AVVSEHR.E	1101.632	0.00284	3	1	29.8	0
P12163_1_F9,14909	R.HIPVIDDK.G	1544.926	0.00524	3	1	29.3	0
P12163_2_F9,13711	R.HIPVIDDK.G	1544.926	0.0041	3	1	36.5	0
P12163_1_F8,19633	R.M*EEHGFESTTISDILK	2461.274	0.01237	3	1	31.3	0
P12163_1_F8,20673	R.MEEHGFESTTISDILK.	2445.279	0.01003	3	1	37.5	0
P12163_1_S10,1318	K.EHGFSGFR.N	1240.638	0.00313	3	1	24.8	0

P12163_1_F9,10579	K.HEGIPLR.F	1125.668	0.00346	3	1	22.5	0
P12163_2_F8_12070	K.HEGIPLR.F	1125.668	0.00547	3	1	25.6	0
P12163_2_F9,9884	K.HEGIPLR.F	1125.668	0.00403	3	1	30.5	0
P12163_1_F6,19876	K.HYLGPFEEAFGK.I	1874.042	0.00837	3	1	40	0
P12163_1_F9,19493	K.HYLGPFEEAFGK.I	1874.042	0.00498	3	1	31.2	0
P12163_2_F6,19556	K.HYLGPFEEAFGK.I	1874.042	0.00552	3	1	38.2	0
P12163_1_F5,15323	K.NEAFNCNNGDVFK.W	2137.059	0.00361	2	1	37.4	0
P12163_1_F5,22344	K.NSFITWIDK.V	1731.989	0.00746	3	1	30.4	0
P12163_2_F1,23133	K.NSFITWIDK.V	1731.989	0.00353	3	1	35.5	0
P12163_1_F5,6580	R.STEAENCK.I	1546.799	0.0074	2	1	26.6	0
P12163_2_F2,7369	R.STEAENCK.I	1546.799	0.00572	2	1	41.2	0
P12163_1_F2,12585	K.ASNEIEEGLSNR.G	1622.829	0.00094	3	1	34.2	0
P12163_1_F2,14181	K.ASNEIEEGLSNR.G	1622.829	0.00231	2	1	46.1	0
P12163_1_F4,18316	K.CSLDVAFSPSK.A	1818.988	0.00603	2	1	34.2	0
P12163_2_F1,17545	K.CSLDVAFSPSK.A	1818.988	0.00533	2	1	40.6	0
P12163_1_F4,15524	K.CTVLYPASAK.A	1717.977	0.00254	3	1	26.4	0
P12163_2_F1,14520	K.CTVLYPASAK.A	1717.977	0.0059	3	1	34.2	0
P12163_2_F1,14522	K.CTVLYPASAK.A	1717.977	0.00314	2	1	34.1	0
P12163_2_F1,19032	K.ILASELPK.N	1478.94	0.00266	2	1	36.4	0
P12163_1_F6,22440	R.IDCLELPLIQHAQGPDI	2495.287	-0.00166	3	1	23.6	0
P12163_2_F4,21034	R.IDCLELPLIQHAQGPDI	2495.287	0.0035	3	1	48.1	0
P12163_1_F6,16027	R.LNTYTTEPVHHVDQTV	2703.493	0.00689	4	1	32.4	0
P12163_2_F8_12070	R.LNTYTTEPVHHVDQTV	2703.493	0.00049	4	1	41.2	0
P12163_1_F3,15474	K.AYEGVPAPYDK.V ! K.	1817.989	-0.00599	2	1	40	0
P12163_2_F1,15198	K.AYEGVPAPYDK.V ! K.	1817.989	0.00311	2	1	41.9	0
P12163_1_F2,22469	K.LGSQLDILAPVK.Y	1862.157	0.00654	3	1	37.1	0
P12163_1_F3,23218	K.LGSQLDILAPVK.Y	1862.157	0.00117	2	1	53.5	0
P12163_1_F3,23220	K.LGSQLDILAPVK.Y	1862.157	0.00825	3	1	42.5	0
P12163_1_F5,10805	M.VSGSGICAK.R	1486.851	0.00859	2	1	36.7	0
P12163_1_F9,11893	R.GMIPHK.T	1290.781	-0.00883	3	1	25.8	0
P12163_2_F9,11176	R.GMIPHK.T	1290.781	0.01352	3	1	23	0
P12163_1_F5,18472	R.LASIVAK.E	1309.866	0.00458	2	1	29.7	0
P12163_1_F3,20121	R.MVIPDALK.V	1494.917	0.00391	3	1	32.7	0
P12163_1_F3,20139	R.MVIPDALK.V	1494.917	0.00843	2	1	35.2	0
P12163_2_F1,20140	R.MVIPDALK.V	1494.917	0.0046	3	1	27.9	0
P12163_1_F3,8021	K.ATDMSIR.I	1097.593	0.003	3	1	26.8	0
P12163_1_F3,10093	K.ATDMSIR.I	1097.593	0.00242	3	1	36.2	0
P12163_2_F4,13724	K.KLPSEHNLLQNGNIGG	2998.591	0.00618	4	1	33.7	0
P12163_2_F10,1480	K.LPSEHNLLQNGNIGGQ	2566.291	-0.00046	3	1	37.3	0
P12163_1_F4,21477	R.DNFMDAWEAK.E	1834.925	0.00197	2	1	43.5	0
P12163_2_S3,9299	R.EMSYHK.V	1402.761	0.00323	3	1	25.9	0
P12163_2_S5,9763	R.EMSYHK.V	1402.761	0.00422	3	1	23.9	0
P12163_1_F8,14673	R.VM*IHQPLGTAGGK.A	1933.115	0.00505	3	1	36.7	0
P12163_2_F6,14142	R.VM*IHQPLGTAGGK.A	1933.115	0.00409	3	1	40.9	0
P12163_1_F8,14661	R.VMIHQPLGTAGGK.A	1917.12	0.00398	3	1	34.2	0
P12163_2_F6,14114	R.VMIHQPLGTAGGK.A	1917.12	0.00461	3	1	39.6	0
P12163_2_F6,14137	R.VMIHQPLGTAGGK.A	1917.12	0.00053	2	1	39.4	0
P12163_1_F3,17162	K.IPQLPADAK.I	1560.957	0.0038	3	1	26.5	0
P12163_2_F1,16811	K.IPQLPADAK.I	1560.957	0.0074	2	1	25	0
P12163_1_F2,12835	K.LSEGQLIDGR.L	1391.78	0.00464	3	1	31.5	0
P12163_1_F8,15674	K.REDAQPLGFVTER.T	1951.019	0.00383	2	1	34.4	0

P12163_1_F8,15693	K.REDAQPLGFETER.T	1951.019	0.00284	3	1	71.3	0
P12163_2_F6,15093	K.REDAQPLGFETER.T	1951.019	0.00574	3	1	35.1	0
P12163_2_F6,15098	K.REDAQPLGFETER.T	1951.019	0.00299	2	1	40.1	0
P12163_1_F6,19714	K.VPAVVEHAPAGLVAG	2722.571	0.00554	4	1	32.8	0
P12163_1_F2,17062	R.FEAPCVLQNNR.E	1651.853	0.00275	3	1	26	0
P12163_1_F4,7659	R.HVIHCK.G	1401.824	0.00535	3	1	23.3	0
P12163_1_F5,6342	R.HVIHCK.G	1401.824	0.00403	3	1	25.6	0
P12163_2_F4,6635	R.HVIHCK.G	1401.824	0.00193	3	1	24.5	0
P12163_1_F8,20956	K.ELAQAYEVLSDPEKR.	2356.297	-0.00328	3	1	50.1	0
P12163_2_S5,19891	K.ELAQAYEVLSDPEKR.	2356.297	0.00425	3	1	53.4	0
P12163_1_F3,23557	K.VLEVIVEK.G	1536.982	0.00578	2	1	39.1	0
P12163_1_F3,23644	K.VLEVIVEK.G	1536.982	0.00445	3	1	28.2	0
P12163_1_F4,21707	K.YYEILGVSK.S ! K.YYE	1679.983	0.00216	3	1	26	0
P12163_1_F4,21727	K.YYEILGVSK.S ! K.YYE	1679.983	0.00562	2	1	33.6	0
P12163_2_F1,21183	K.YYEILGVSK.S ! K.YYE	1679.983	0.00504	3	1	23.9	0
P12163_2_F1,21187	K.YYEILGVSK.S ! K.YYE	1679.983	0.00854	2	1	30.4	0
P12163_2_F9,19043	K.YYEILGVSK.S ! K.YYE	1679.983	0.00681	3	1	31.1	0
P12163_1_F3,17548	R.EIYDQYGEDALK.E	2052.075	0.00434	2	1	42	0
P12163_2_F6,13624	R.GEDVIHPLK.V	1615.963	0.00178	3	1	23.7	0
P12163_1_F6,12454	R.RGEDVIHPLK.V	1772.064	0.00643	4	1	27.4	0
P12163_2_F1,18508	K.AALSDEYFVK.R	1750.984	0.00741	3	1	35.4	0
P12163_2_F1,18510	K.AALSDEYFVK.R	1750.984	0.00331	2	1	54.3	0
P12163_2_F9,16960	K.AALSDEYFVK.R	1750.984	0.00405	3	1	34.5	0
P12163_1_S1,18098	K.APTIAAAAYLR.M	1421.842	0.00339	3	1	65.4	0
P12163_1_S1,18125	K.APTIAAAAYLR.M	1421.842	0.00475	2	1	26.6	0
P12163_1_F3,10977	R.ESLDDPDTK.I	1627.863	0.00723	2	1	29.6	0
P12163_2_F6,23544	R.KLAEVFSIVGR.D	1956.174	0.00199	3	1	28.7	0
P12163_1_F2,13562	R.LGQVSVSNATR.R	1435.817	0.00353	2	1	29	0
P12163_1_F3,15803	R.YQIPVSQEGTVK.A	1957.121	0.0071	3	1	41.2	0
P12163_1_F4,16291	R.YQIPVSQEGTVK.A	1957.121	0.01118	3	1	31.6	0
P12163_2_F1,15477	R.YQIPVSQEGTVK.A	1957.121	0.00284	3	1	49.7	0
P12163_2_F1,15494	R.YQIPVSQEGTVK.A	1957.121	-0.00282	2	1	30.2	0
P12163_1_F8,21557	K.FLDDFHLQTK.R	1872.048	0.00518	2	1	52	0
P12163_2_F6,21173	K.FLDDFHLQTK.R	1872.048	0.00434	3	1	26.9	0
P12163_1_F9,15509	K.HVISGILK.H	1474.957	0.00841	3	1	44.7	0
P12163_2_F4,14700	K.HVISGILK.H	1474.957	0.00541	3	1	49.9	0
P12163_2_F9,14253	K.HVISGILK.H	1474.957	0.00022	3	1	31.3	0
P12163_2_F6,18463	K.LFDAIDENKDER.L	2073.107	0.00544	2	1	30.8	0
P12163_1_F7,18831	K.VLSDFDTSNDSHIDIK.	2414.266	0.0062	3	1	38.7	0
P12163_1_F3,10060	R.ESDSVAIDGQNTK.G	1972.044	0.00038	3	1	31.6	0
P12163_1_F3,11461	R.ESDSVAIDGQNTK.G	1972.044	0.01109	2	1	31	0
P12163_1_F3,11500	R.ESDSVAIDGQNTK.G	1972.044	0.0089	3	1	39.1	0
P12163_1_S1,19914	R.LLTDSGEPNIDVIK.K	2122.222	0.00243	4	1	35.4	0
P12163_1_S1,19964	R.LLTDSGEPNIDVIK.K	2122.222	0.0079	3	1	43.2	0
P12163_1_F3,29480	K.LLLLLNVIDPK.I	1906.166	0.00683	3	1	25.4	0
P12163_1_F6,10839	R.EGISISHPAR.F	1370.769	0.01333	3	1	31.7	0
P12163_2_F7,9942	R.EGISISHPAR.F	1370.769	0.0025	3	1	29.4	0
P12163_2_F7,12478	R.FGM*HAQVGTVR.D	1522.81	0.00084	3	1	24.7	0
P12163_1_F3,26230	R.SLVDLLPVIK.V	1705.108	0.00407	2	1	31.6	0
P12163_1_F8,15522	R.SSLPAVQIDHDLK.V	2031.169	0.00187	3	1	22.9	0
P12163_1_F8,17039	R.SSLPAVQIDHDLK.V	2031.169	-0.00213	2	1	44.3	0

P12163_1_F8,17077	R.SSLPAVQIDHDLK.V	2031.169	0.00664	3	1	52.4	0
P12163_2_F6,16474	R.SSLPAVQIDHDLK.V	2031.169	0.00367	3	1	47.2	0
P12163_2_F6,16527	R.SSLPAVQIDHDLK.V	2031.169	0.00725	2	1	52	0
P12163_1_F4,17101	R.VCGTIDIEK.A	1642.929	0.01315	2	1	34.2	0
P12163_1_F3,8930	K.QASLANEQLR.S	1433.801	0.00292	3	1	33.7	0
P12163_1_F5,22473	K.WLPLAYK.M	1498.924	0.00186	3	1	23.1	0
P12163_1_F9,9649	R.HAFQVSDR.I	1263.675	0.00453	3	1	33.3	0
P12163_1_S10,1050	R.HAFQVSDR.I	1263.675	0.00411	3	1	22.8	0
P12163_2_F4,8996	R.HAFQVSDR.I	1263.675	0.00099	3	1	31.4	0
P12163_2_S5,9629	R.HAFQVSDR.I	1263.675	0.00189	3	1	42.6	0
P12163_1_F6,21401	R.LITDGQDHGVNGFIVQ	2286.251	0.00168	3	1	30.9	0
P12163_1_F7,17457	R.LQANDFSTLPEAHACT	2752.455	0.00393	4	1	48.1	0
P12163_1_F7,17530	R.LQANDFSTLPEAHACT	2752.455	0.0107	3	1	36.9	0
P12163_2_S5,16828	R.LQANDFSTLPEAHACT	2752.455	0.00563	3	1	35.8	0
P12163_1_S1,13632	R.LVASDPAFR.K	1279.731	0.00305	3	1	44	0
P12163_1_F6,9498	K.ADLHVEHGDK.V	1728.949	-0.00558	3	1	28.5	0
P12163_1_F6,9568	K.ADLHVEHGDK.V	1728.949	-0.0002	2	1	51.6	0
P12163_2_F6,9216	K.ADLHVEHGDK.V	1728.949	0.00879	4	1	38	0
P12163_2_F4,14420	K.DTLIYPAHDYK.G	1944.069	0.00282	3	1	22.3	0
P12163_2_F4,14428	K.DTLIYPAHDYK.G	1944.069	0.00344	2	1	24.4	0
P12163_1_S1,18369	K.GFTVSTVGEEIQYNPR	2101.087	0.00052	3	1	47.6	0
P12163_1_F4,22125	K.SIM*ENLNLSYPK.M	2033.12	0.00562	3	1	26.6	0
P12163_1_F4,22082	K.SIMENLNLSYPK.M	2017.125	0.00267	2	1	31.7	0
P12163_1_F6,17619	K.SVHSQIFTLPK.D	1865.11	0.00845	3	1	24.7	0
P12163_1_F6,14742	R.ATPGHTLGCVTYVSGI	2828.394	-0.00209	3	1	40.6	0
P12163_2_S5,13719	R.ATPGHTLGCVTYVSGI	2828.394	0.0049	3	1	22.2	0
P12163_1_F8,16649	K.AGAGSATLSMAYAAV	2077.157	0.03293	3	1	30.4	0
P12163_1_F5,13034	K.ELAGSIQK.G	1453.883	0.01014	2	1	24.9	0
P12163_2_F1,13383	K.ELAGSIQK.G	1453.883	0.00036	3	1	24.4	0
P12163_1_F4,14464	K.TLCEGIAC.C ! R.TLCE	1499.871	0.01393	2	1	37	0
P12163_1_F5,12999	K.TLCEGIAC.C ! R.TLCE	1499.871	0.01461	2	1	36.1	0
P12163_2_F1,13392	K.TLCEGIAC.C ! R.TLCE	1499.871	0.00549	2	1	25.8	0
P12163_2_F1,13427	K.TLCEGIAC.C ! R.TLCE	1499.871	0.00313	3	1	25.1	0
P12163_1_S1,25550	R.ANTFVAEVLGLDPR.E	1806.006	0.00371	3	1	67.1	0
P12163_2_F1,13209	R.IQNGGTEVVEAK.T ! R	1853.059	-0.00022	2	1	40.9	0
P12163_1_S1,21722	R.LLGVTM*LDVVR.A ! K	1535.913	-0.00397	3	1	22.8	0
P12163_1_S1,24770	R.LLGVTMLDVVR.A ! K	1519.918	0.00569	2	1	26.4	0
P12163_1_F2,11861	K.GDAEEAFAR.V	1269.638	0.00397	2	1	37.5	0
P12163_1_S1,17495	K.LADAAGEVIR.K	1318.763	0.00404	2	1	26.8	0
P12163_1_S1,17545	K.LADAAGEVIR.K	1318.763	0.00159	3	1	54.5	0
P12163_1_F3,21876	K.QIHQQALDVLQWQ.-	1911.039	0.00311	2	1	63.2	0
P12163_2_F1,22089	K.QIHQQALDVLQWQ.-	1911.039	0.00344	2	1	33.2	0
P12163_1_F4,18166	R.ATSFNVIAAGDK.Q	1802.027	0.0076	3	1	46	0
P12163_1_F4,18184	R.ATSFNVIAAGDK.Q	1802.027	0.00789	2	1	76.5	0
P12163_2_F1,17463	R.ATSFNVIAAGDK.Q	1802.027	0.00429	2	1	65.9	0
P12163_2_F1,17489	R.ATSFNVIAAGDK.Q	1802.027	0.00529	3	1	38.5	0
P12163_1_S1,16264	R.GDQLYWEASSDAR.A	1801.866	0.00415	2	1	45.4	0
P12163_1_F2,9344	R.TTLNGEEVSTR.T	1510.801	0.00465	3	1	26.5	0
P12163_1_S1,22600	K.FGIINEDGQFLYR.G	1875.991	0.00081	3	1	43.4	0
P12163_1_F5,15388	K.IENLNQNIK.A	1694.006	0.0047	2	1	32.5	0
P12163_2_F2,16203	K.IENLNQNIK.A	1694.006	0.00328	2	1	33.4	0

P12163_1_F2,23350	K.VPIEITIGELK.K	1820.135	0.00952	3	1	27	0
P12163_1_F3,24331	K.VPIEITIGELK.K	1820.135	0.00538	3	1	31	0
P12163_1_S1,14740	K.YIGLSEASASTIR.R	1671.922	0.00605	3	1	41	0
P12163_2_F6,17647	K.YIGLSEASASTIR.R	1671.922	-0.0009	2	1	24.8	0
P12163_1_F5,10587	R.AACEASLK.R	1457.824	0.01135	2	1	28	0
P12163_2_F2,11353	R.AACEASLK.R	1457.824	0.00721	2	1	24.6	0
P12163_2_F2,11399	R.AACEASLK.R	1457.824	0.00707	3	1	28.6	0
P12163_2_F10,1916	R.LDVVDYIDLYYQHR.V !	2017.033	0.00299	3	1	28.7	0
P12163_1_F4,14785	K.AIVVTGAK.G	1366.888	0.00564	3	1	35.3	0
P12163_1_F4,14791	K.AIVVTGAK.G	1366.888	0.0078	2	1	32.8	0
P12163_2_F1,13798	K.AIVVTGAK.G	1366.888	0.00578	2	1	32.5	0
P12163_2_F1,13800	K.AIVVTGAK.G	1366.888	0.00639	3	1	33.5	0
P12163_2_F1,9963	K.ASPDPEVK.K	1450.836	0.00273	2	1	40.5	0
P12163_1_F4,21203	K.QQIFADLEK.Y	1699.984	0.01123	2	1	32.2	0
P12163_2_F1,20658	K.QQIFADLEK.Y	1699.984	0.00763	2	1	30.3	0
P12163_1_F3,13783	R.GATLSAPVEQAK.S	1780.042	0.00971	2	1	26.6	0
P12163_1_F8,21789	R.QWALDILEHR.R	1584.88	0.00038	3	1	23.3	0
P12163_2_F6,21417	R.QWALDILEHR.R	1584.88	-0.00025	3	1	48.2	0
P12163_1_S1,24132	R.TNQTSPQVIVDLLDIGH	2449.412	0.00756	3	1	37.7	0
P12163_1_F4,19568	K.AQMLHISSGK.D	1655.997	0.00725	3	1	27.4	0
P12163_1_F8,20486	K.LLWPDHSEFVR.M	1702.922	0.00339	3	1	25.8	0
P12163_1_F7,21013	R.DGLLPDLATFDTHR.I	1874.991	0.00408	2	1	25.7	0
P12163_1_F7,21055	R.DGLLPDLATFDTHR.I	1874.991	0.00269	3	1	65.8	0
P12163_2_F4,20430	R.DGLLPDLATFDTHR.I	1874.991	0.00191	3	1	48.9	0
P12163_2_S5,20350	R.DGLLPDLATFDTHR.I	1874.991	0.00368	3	1	40.5	0
P12163_2_F6,16233	R.GIAHPLM*FVR.L	1460.835	0.00051	3	1	31.9	0
P12163_1_F3,21727	R.IMGAVPVSGTNFYK.L	2092.172	0.00604	3	1	36.3	0
P12163_1_F2,8757	R.SSEAEAETSLR.R	1483.754	0.00161	3	1	46.4	0
P12163_1_F2,10686	R.SSEAEAETSLR.R	1483.754	0.00416	2	1	25.4	0
P12163_1_F6,16964	K.EGFVAATVTPQHLVLI	2156.213	0.00494	3	1	27.9	0
P12163_1_F6,19515	K.EGFVAATVTPQHLVLI	2156.213	0.00446	3	1	32.9	0
P12163_1_F6,19545	K.EGFVAATVTPQHLVLI	2156.213	-0.00289	2	1	36.7	0
P12163_1_F7,18740	K.EGFVAATVTPQHLVLI	2156.213	0.00497	3	1	69.3	0
P12163_2_F6,16664	K.FFLGTDSAPHER.G	1680.865	0.01593	3	1	60.4	0
P12163_1_F4,23197	K.VFEEMGALDK.L	1746.956	0.01879	2	1	33.4	0
P12163_1_F4,23219	K.VFEEMGALDK.L	1746.956	0.00714	3	1	24.9	0
P12163_1_F8,18559	K.VVMEHITMDAVK.F	2082.155	0.00318	3	1	34.6	0
P12163_2_F9,14407	R.KTGVVFAVK.L	1861.204	0.00013	4	1	29.2	0
P12163_1_F2,13441	R.QAVVSAVTSGSR.K	1465.828	0.00259	3	1	66.2	0
P12163_1_F3,17015	K.AMADFGDDEYK.H	1869.915	0.00775	2	1	54.6	0
P12163_1_F4,23756	K.FLPVEFCK.G	1647.939	0.0069	2	1	24.1	0
P12163_2_F1,23171	K.FLPVEFCK.G	1647.939	0.00718	3	1	22.5	0
P12163_2_F1,23191	K.FLPVEFCK.G	1647.939	0.0081	2	1	27.6	0
P12163_2_F7,15138	K.IAIIIDHEK.K ! K.IAILDI	1546.941	0.00399	3	1	31.9	0
P12163_2_F7,15170	K.IAIIIDHEK.K ! K.IAILDI	1546.941	0.00097	2	1	35.3	0
P12163_1_F9,20028	K.IWPHSFEFR.L	1522.811	0.00087	3	1	24.2	0
P12163_2_F9,19090	K.IWPHSFEFR.L	1522.811	0.00252	3	1	32.3	0
P12163_2_F6,16546	K.NDHGEELLFVSSK.A	2083.128	0.00595	3	1	27.4	0
P12163_1_S1,22765	R.VEGLETLDYLDNLQNI	2472.344	0.00772	3	1	36.4	0
P12163_2_F1,17916	K.QVAAFMEK.V	1531.876	0.0079	3	1	25.4	0
P12163_1_F2,7694	K.TQDM*EDR.L	1214.562	0.00335	2	1	29.4	0

P12163_1_F9,10517	R.EAFEQHV.R.D	1319.701	0.00279	3	1	31	0
P12163_1_F4,23845	R.LIELEALQK.A	1665.041	0.00611	2	1	45.3	0
P12163_1_F4,23847	R.LIELEALQK.A	1665.041	0.00674	3	1	36.5	0
P12163_2_F1,23266	R.LIELEALQK.A	1665.041	0.00461	3	1	25.5	0
P12163_2_F1,23279	R.LIELEALQK.A	1665.041	0.00569	2	1	41.3	0
P12163_1_F9,19602	R.LNQEFFSHLK.F	1871.064	0.00901	3	1	33.7	0
P12163_2_F7,17818	R.LNQEFFSHLK.F	1871.064	0.00289	3	1	26.1	0
P12163_1_F3,26329	R.SLLTLLDENIANAQK.S	2251.312	0.00469	3	1	66.7	0
P12163_1_F5,18056	K.ASNPFVNLK.K	1597.952	0.00762	2	1	41.2	0
P12163_1_F5,18089	K.ASNPFVNLK.K	1597.952	0.00524	3	1	33.3	0
P12163_2_F2,18769	K.ASNPFVNLK.K	1597.952	0.0051	2	1	43.7	0
P12163_2_F7,15048	K.EINALEQH.R.N	1526.859	0.0008	3	1	34.6	0
P12163_1_F8,17852	K.VICDHLGLGVK.T	1819.072	0.01132	2	1	34.5	0
P12163_2_F6,17354	K.VICDHLGLGVK.T	1819.072	0.00394	2	1	35	0
P12163_2_F6,19293	K.VPEGF.DYELYN.R.N	1805.901	0.0103	2	1	24.2	0
P12163_1_S1,19240	K.YVYTIDDDCFVAK.D	2217.136	0.00535	3	1	45.6	0
P12163_1_F3,25409	R.FVDAIMTIPK.G	1743.033	0.0054	3	1	23.6	0
P12163_1_F3,25513	R.FVDAIMTIPK.G	1743.033	0.0036	2	1	50.4	0
P12163_1_F3,19007	K.FGDEDLEVVK.K	1758.973	0.00553	2	1	51.8	0
P12163_2_F2,7398	K.GANQAACGAK.L	1555.847	0.00528	2	1	31.8	0
P12163_1_S1,20272	K.LITDALSGCGVR.L	1565.862	0.00717	2	1	27.8	0
P12163_1_S1,20328	K.LITDALSGCGVR.L	1565.862	0.00178	3	1	44.4	0
P12163_1_S1,20523	K.LITDALSGCGVR.L	1565.862	0.00429	2	1	33.1	0
P12163_1_S1,20632	K.LITDALSGCGVR.L	1565.862	0.00202	3	1	31.6	0
P12163_2_F1,9663	K.TSQTLAGGK.G	1470.874	0.00417	2	1	39.5	0
P12163_2_F2,9984	K.TSQTLAGGK.G	1470.874	0.00967	2	1	35.8	0
P12163_1_F5,11792	R.DQNLVPK.N	1421.857	0.00682	2	1	30.8	0
P12163_1_F2,17588	R.EIPDSVNIQVAK.A	1921.121	0.00747	3	1	30	0
P12163_1_F4,12930	K.DVMPETDK.L	1542.829	0.00532	2	1	27.8	0
P12163_2_F1,20979	K.LFPALK.S	1296.85	0.00626	3	1	22.5	0
P12163_1_F4,10890	K.SIGSADGAEAK.E	1613.895	0.00765	3	1	36.4	0
P12163_2_F1,10096	K.SIGSADGAEAK.E	1613.895	0.00711	3	1	53	0
P12163_1_F3,20813	K.SVEYEFLEENLGSK.S	2252.191	0.00449	3	1	42.9	0
P12163_1_F3,22032	K.SVEYEFLEENLGSK.S	2252.191	0.00521	3	1	59	0
P12163_2_F1,13952	R.FCADAAVK.D	1489.829	0.00491	3	1	22.3	0
P12163_2_F1,13969	R.FCADAAVK.D	1489.829	0.00626	2	1	27.2	0
P12163_1_F5,22049	R.FWAA.YVDEK.W ! R.FV	1736.947	0.00478	2	1	25.2	0
P12163_2_F8_1207C	R.FWAA.YVDEK.W ! R.FV	1736.947	0.0008	3	1	22	0
P12163_1_S1,19246	K.GLGADEVFTESQLEVK	2330.27	-0.00377	3	1	52	0
P12163_1_F8,20052	K.KPITVSTSSFIFK.D	2367.441	0.00712	3	1	56.7	0
P12163_2_F6,19608	K.KPITVSTSSFIFK.D	2367.441	0.00883	3	1	50.7	0
P12163_1_F2,21399	K.M*IELPPVEVK.E	1779.055	0.00258	3	1	35.8	0
P12163_1_F2,21648	K.M*IELPPVEVK.E	1779.055	0.00666	3	1	31.2	0
P12163_1_F4,13915	R.EGPPDSVIK.M	1549.905	0.00601	2	1	31.1	0
P12163_1_F9,15309	R.GIHSINIIR.D	1326.816	0.00334	3	1	34.5	0
P12163_2_F7,13849	R.GIHSINIIR.D	1326.816	-0.00554	3	1	33.5	0
P12163_2_F9,14111	R.GIHSINIIR.D	1326.816	0.00244	3	1	30.9	0
P12163_2_F6,15309	R.IEGVYPVRPK.V	1766.078	0.00462	2	1	27.4	0
P12163_1_S10,1891	K.GSFETIHIQDALGHEFA	2433.246	-0.00002	4	1	31.9	0
P12163_2_F10,1782	K.GSFETIHIQDALGHEFA	2433.246	0.00114	4	1	68.9	0
P12163_2_F8_1207C	K.GSFETIHIQDALGHEFA	2433.246	0.00432	3	1	35.7	0

P12163_2_F8_12070	K.GSFETIHIQDALGHEFA	2433.246	0.00178	4	1	55.1	0
P12163_1_F2_20307	K.LSIIIEEAR.K	1234.731	0.00276	2	1	30.9	0
P12163_1_S1_21699	K.TYPAGFMDVVSIPK.T	2133.187	0.00113	3	1	31.2	0
P12163_1_S1_23383	R.EVIAILMQR.H	1376.824	0.00148	3	1	35.4	0
P12163_1_F9_11537	R.HVLVDAK.V	1389.867	0.00056	3	1	23.7	0
P12163_2_F2_12487	R.SVQFGQK.G	1401.831	0.00994	2	1	27.7	0
P12163_2_F2_12526	R.SVQFGQK.G	1401.831	0.0057	3	1	28.8	0
P12163_1_F4_20977	K.IFWGDPR.E	1194.657	0.00719	2	1	24.9	0
P12163_1_S1_21156	K.IPLSCLVIGNR.G	1545.909	0.00186	3	1	65.7	0
P12163_2_F1_17403	K.QIVVVMK.I	1424.912	0.00255	2	1	32.2	0
P12163_1_F8_19502	K.YGAKPDAETLDIVNTV	2541.413	0.00562	3	1	35.4	0
P12163_2_S5_18000	K.YGAKPDAETLDIVNTV	2541.413	0.00002	4	1	31.5	0
P12163_1_F7_20972	R.NGDHLILVTIVPEGGLI	2512.459	0.0043	4	1	32.7	0
P12163_1_F7_20975	R.NGDHLILVTIVPEGGLI	2512.459	0.00836	3	1	34	0
P12163_2_S5_19883	R.NGDHLILVTIVPEGGLI	2512.459	0.0041	4	1	28.8	0
P12163_1_F3_16969	R.VGVAVDFSACSK.K	1848.015	0.0061	3	1	42.6	0
P12163_1_F3_18519	R.VGVAVDFSACSK.K	1848.015	0.00842	2	1	65.7	0
P12163_2_F1_13567	K.AAGVTSIGVR.G	1234.742	0.00492	2	1	24.7	0
P12163_1_F6_13646	K.CDPAGHFFGHK.A	1880.969	0.00058	4	1	22.6	0
P12163_1_F4_13279	K.DSVCVVTQK.K	1643.925	0.00232	2	1	35.7	0
P12163_1_F4_21273	K.EQEAINFLEK.K	1829.026	0.00556	3	1	29.3	0
P12163_1_F4_21278	K.EQEAINFLEK.K	1829.026	0.00796	2	1	58.6	0
P12163_2_F1_20749	K.EQEAINFLEK.K	1829.026	0.00174	2	1	50	0
P12163_2_F1_20772	K.EQEAINFLEK.K	1829.026	0.00577	3	1	37.5	0
P12163_1_F2_21578	K.YGYEM*PVDVLAK.W	2009.087	-0.00655	3	1	27.3	0
P12163_1_F6_16308	R.HITIFSPEGR.L	1460.816	-0.00076	3	1	44	0
P12163_1_F5_17562	K.AFIEQSLK.D	1543.93	0.0099	3	1	36.4	0
P12163_2_F1_18009	K.AFIEQSLK.D	1543.93	0.00507	3	1	36.2	0
P12163_1_F4_11659	K.IHAFHNVCR.H	1457.774	0.0033	4	1	38.9	0
P12163_2_F4_10216	K.IHAFHNVCR.H	1457.774	0.00194	4	1	36.5	0
P12163_1_S1_21745	K.LVYEFNPQIPIEK.A	2198.268	0.00252	3	1	37.9	0
P12163_1_F8_5492	R.CESGSTEGTDDTHR.L	1855.803	0.00621	3	1	39.2	0
P12163_2_S5_5986	R.CESGSTEGTDDTHR.L	1855.803	0.00207	3	1	37.3	0
P12163_1_F2_11626	R.GLESPAYCSGR.Y	1500.742	-0.00102	2	1	30.4	0
P12163_1_S1_20983	R.IGEVEFVCCR.D	1511.819	0.00331	2	1	28.5	0
P12163_1_F3_24704	K.AFFQEFSELDAK.I	2040.09	0.00667	3	1	52.1	0
P12163_1_F3_24733	K.AFFQEFSELDAK.I	2040.09	0.00732	2	1	31.5	0
P12163_1_F4_25599	K.AFFQEFSELDAK.I	2040.09	0.00736	3	1	37.4	0
P12163_1_F9_15327	K.LHGGLVIK.H	1444.946	0.00214	3	1	30.6	0
P12163_1_F8_20004	R.IPTLAIHLDR.N	1452.884	0.00255	3	1	77.5	0
P12163_2_F6_19598	R.IPTLAIHLDR.N	1452.884	0.00243	3	1	65.1	0
P12163_2_F2_14037	R.ITNSFCSNSK.L	1765.936	0.00314	2	1	25.8	0
P12163_1_F3_23649	R.LDNLCSFCSLK.A	2096.08	0.0052	3	1	25.9	0
P12163_1_S1_15730	R.LQTVGYQQISER.E	1725.944	0.0019	2	1	30.6	0
P12163_2_F2_11228	K.GSSNSYAIK.K	1534.868	0.00856	2	1	28	0
P12163_1_F3_27425	K.TIAECLADELINAAC.G	2240.242	0.00207	3	1	45.3	0
P12163_1_F3_12396	R.IGSAGVVR.R	1062.657	0.00275	2	1	25.9	0
P12163_2_F4_12786	R.LTNSLM*MHGR.N	1479.771	-0.00107	3	1	28.2	0
P12163_2_F4_14631	R.LTNSLMMHGR.N	1463.776	0.00466	3	1	45.9	0
P12163_1_F2_15576	R.QAVDISPLR.R	1302.768	0.00228	2	1	26.9	0
P12163_1_S1_23305	R.VNQAIYLITTGAR.E ! F	1724.001	0.00243	2	1	27.3	0

P12163_1_S1,23816	R.VNQAIYLITTGAR.E ! F	1724.001	0.0019	3	1	51.7	0
P12163_1_S1,23955	R.VNQAIYLITTGAR.E ! F	1724.001	0.00259	2	1	30.3	0
P12163_2_F1,16975	K.AATFPLTK.K	1456.898	0.00282	2	1	24.6	0
P12163_1_F9,9531	K.EGLEVHAR.S	1214.679	0.00469	3	1	41	0
P12163_2_F7,8994	K.EGLEVHAR.S	1214.679	0.00583	3	1	32.6	0
P12163_1_F2,12894	K.ENQDTISVFR.T	1512.796	0.00303	3	1	23.7	0
P12163_1_F2,16126	K.ENQDTISVFR.T	1512.796	0.00422	2	1	43.8	0
P12163_2_F6,8778	K.LSEEETHEAR.R	1504.754	0.00321	3	1	32.6	0
P12163_2_F7,8319	K.LSEEETHEAR.R	1504.754	0.00087	3	1	30.4	0
P12163_1_F5,14383	R.EASILGSAK.G	1483.894	0.00828	3	1	29.2	0
P12163_1_F7,9986	R.SATDDKLSEEETHEA	2527.273	0.00133	3	1	31.8	0
P12163_1_F3,23166	K.CPYVASMGVYVFK.K	2129.138	0.00948	3	1	30	0
P12163_1_S1,24592	K.IFVLTQFNSASLNR.H	1914.075	0.00087	3	1	34.6	0
P12163_2_F1,14102	R.ASDYGLVK.I	1460.857	0.00519	2	1	25	0
P12163_1_F8,12771	R.ECTVEHSIVGER.S	1719.864	0.01214	2	1	53.3	0
P12163_1_F8,12774	R.ECTVEHSIVGER.S	1719.864	0.00021	3	1	37.7	0
P12163_1_F4,18784	R.LDYGVVELK.D	1544.914	-0.00506	2	1	34.8	0
P12163_1_F4,19267	R.LDYGVVELK.D	1544.914	0.00402	2	1	27.7	0
P12163_1_F4,24286	R.QFTWVFEDAK.N	1879.021	0.00216	3	1	36.8	0
P12163_1_F4,24294	R.QFTWVFEDAK.N	1879.021	0.00131	2	1	25.1	0
P12163_1_F3,19402	K.LPAAVLSTSAK.A	1666.036	0.0028	3	1	44.3	0
P12163_1_F3,19448	K.LPAAVLSTSAK.A	1666.036	0.01146	2	1	30.3	0
P12163_1_F4,21227	K.SDLLILK.T	1409.919	-0.00094	2	1	40.5	0
P12163_2_F1,20636	K.SDLLILK.T	1409.919	-0.0014	2	1	30.7	0
P12163_1_F9,12598	R.DHLPVPK.T	1413.867	0.00916	3	1	24.2	0
P12163_2_F1,19277	R.LEAIVER.M	1133.683	0.00057	2	1	27.3	0
P12163_1_F4,22831	R.QLAALLVSK.V	1551.009	0.00326	3	1	32.3	0
P12163_1_F4,22833	R.QLAALLVSK.V	1551.009	0.00485	2	1	49.9	0
P12163_1_F7,19743	R.QLLHFAVSDVSDDVR.	2005.066	-0.00151	3	1	34.2	0
P12163_2_F7,12772	K.DALVSHLR.S	1214.716	0.00257	3	1	43.2	0
P12163_1_F3,27553	K.ESAVEILDWTK.T	2012.152	0.01036	3	1	33.6	0
P12163_1_F3,22372	K.IIAGADSFGAELK.D	1900.1	-0.00088	2	1	44	0
P12163_1_F3,22440	K.IIAGADSFGAELK.D	1900.1	0.00322	3	1	38.1	0
P12163_1_F3,19883	K.SMTEMPLIGK.N	1714.969	0.01163	2	1	34.4	0
P12163_1_F4,23210	K.YYEETEFFIK.W	1977.047	0.00792	3	1	41	0
P12163_2_F9,20165	K.YYEETEFFIK.W	1977.047	0.00213	3	1	38.7	0
P12163_1_F2,21066	R.ELNPVEM*IPGGSM*K	2142.139	0.00792	3	1	24.7	0
P12163_1_F2,11904	K.AVSDIEAR.I	1164.653	0.00159	2	1	28.5	0
P12163_1_F5,7583	K.EAVSNGDEK.A	1556.838	0.00816	2	1	37	0
P12163_2_F1,8019	K.EAVSNGDEK.A	1556.838	0.00568	2	1	32.3	0
P12163_2_F6,9371	K.EGFHDGEQASGSEAD	2400.152	-0.00031	3	1	42.4	0
P12163_1_F4,17262	K.IDTSYQGIYK.Q	1796.005	0.00588	2	1	30.3	0
P12163_1_S10,1512	R.RGFLLGDR.L	1237.732	0.00388	3	1	29.3	0
P12163_1_S1,8126	R.SDAQGEVIER.L	1407.738	0.00241	3	1	31.6	0
P12163_1_S1,9677	R.SDAQGEVIER.L	1407.738	0.00318	2	1	45.2	0
P12163_2_S5,12143	K.DTTDHLNAATQER.E	1938.946	0.00372	3	1	24.5	0
P12163_1_F4,10481	K.ENPSQVEPK.Y	1635.916	0.00668	2	1	27.8	0
P12163_1_F2,17683	K.GVIFLAATNR.R	1365.816	0.00293	3	1	37.6	0
P12163_1_F4,22180	K.NDVGIFQSLAEK.L	1929.09	0.01451	3	1	31.5	0
P12163_1_F4,22216	K.NDVGIFQSLAEK.L	1929.09	0.00737	2	1	27.7	0
P12163_1_F7,20198	R.AATEVGVAM*ISHLLR	1888.063	0.00156	3	1	31.9	0

P12163_1_F8,19544	R.GQTLSQLVFHR.L	1589.907	0.00052	3	1	54.1	0
P12163_2_F6,19023	R.GQTLSQLVFHR.L	1589.907	-0.00023	3	1	50.4	0
P12163_2_F1,11804	K.EANIVAK.I	1352.836	0.007	2	1	24.8	0
P12163_1_F6,20920	K.GDTLYIIHINPNSLDES	2361.235	0.0128	3	1	45	0
P12163_1_F3,21909	K.IGVALDFSPSSK.F	1829.063	0.00715	3	1	43.2	0
P12163_1_F2,18106	K.LDSLVM*GSR.G	1297.709	0.0029	3	1	30.4	0
P12163_1_S1,18515	K.SGSPLIPLTEFR.E	1620.926	0.00476	3	1	33.2	0
P12163_1_S1,19565	K.SGSPLIPLTEFR.E	1620.926	0.00062	3	1	31.7	0
P12163_1_S1,21252	K.SGSPLIPLTEFR.E	1620.926	0.01344	2	1	32.5	0
P12163_1_F4,28471	R.LLEAIEDLK.L	1652.009	0.00894	2	1	49.4	0
P12163_1_F2,13668	K.CPFTGTVSIR.G	1441.777	0.00204	3	1	25.4	0
P12163_1_F5,17238	K.SIGLGFK.T	1329.835	0.00605	3	1	26	0
P12163_2_F2,18005	K.SIGLGFK.T	1329.835	0.00533	3	1	29.2	0
P12163_2_F2,16497	K.VFLSSK.K	1288.808	0.00168	3	1	22.1	0
P12163_1_F4,12690	K.VIPAGSSGGAK.K	1551.931	0.00047	3	1	41.2	0
P12163_2_F1,11852	K.VIPAGSSGGAK.K	1551.931	0.00653	3	1	50.4	0
P12163_2_S3,11929	R.HSNIPAHISPCFR.V	1839.959	0.00252	4	1	33.6	0
P12163_2_F4,15436	R.NYLHFVK.K	1528.91	0.00315	2	1	24.8	0
P12163_1_F3,19377	K.AQEDVVAACNEFGIK.	2259.19	0.0126	3	1	49.9	0
P12163_1_F9,12261	K.AVPHYLR.R	1159.689	0.00426	3	1	28.5	0
P12163_1_F9,12929	R.HAEALDAITR.Y	1400.78	-0.00125	3	1	51.7	0
P12163_2_F7,11894	R.HAEALDAITR.Y	1400.78	0.00253	3	1	57.8	0
P12163_2_F6,8105	R.HKPTPVDEAR.A	1758.012	0.00628	4	1	25.4	0
P12163_1_F9,15760	R.LAHDILER.E	1270.742	0.00325	3	1	39.4	0
P12163_2_F7,14195	R.LAHDILER.E	1270.742	0.00382	3	1	29.8	0
P12163_1_F5,17538	R.NLMEEISK.I	1571.892	0.01236	2	1	32.4	0
P12163_1_F3,23368	K.AQIVTPLLLK.E	1704.124	0.00487	3	1	41.1	0
P12163_1_F3,23391	K.AQIVTPLLLK.E	1704.124	0.00567	2	1	49.9	0
P12163_1_F4,14565	K.EDVAELGK.K	1468.847	0.00837	2	1	34.7	0
P12163_1_S1,19637	K.IVDLPEIR.E	1258.767	0.00199	2	1	32.8	0
P12163_1_F9,9984	K.LHPEVTAR.I	1226.716	0.00257	3	1	27.5	0
P12163_1_F4,17910	R.ETGEYIAQLK.L	1760.005	-0.00101	2	1	39.6	0
P12163_2_F1,17172	R.ETGEYIAQLK.L	1760.005	0.00977	2	1	42.5	0
P12163_2_F4,12524	R.NYLHPMGK.A	1567.887	0.00455	3	1	24	0
P12163_2_F6,16291	K.AIEANDGKPLPLYQK.L	2569.512	0.00538	3	1	24.6	0
P12163_1_F3,14144	K.GLSAGLLR.Q	1090.689	0.00584	3	1	47.4	0
P12163_1_F5,17307	K.NEGFGAFYK.G	1640.889	0.00581	3	1	31.7	0
P12163_1_F5,17351	K.NEGFGAFYK.G	1640.889	0.00913	2	1	30.6	0
P12163_1_F4,13336	R.IQLGQGSAGTVTK.T	1868.106	0.00419	3	1	37.7	0
P12163_1_F4,15411	R.IQLGQGSAGTVTK.T	1868.106	0.00758	2	1	52.1	0
P12163_1_F3,26002	R.IVADEGVLLALWK.G	1922.157	0.003	3	1	51.1	0
P12163_1_F3,20630	R.NYTNAFQALYR.I	1664.87	0.00406	2	1	30.7	0
P12163_1_F2,12575	K.AVGVEVDQTGAVK.V	1881.09	0.00185	3	1	53.2	0
P12163_2_F7,11583	K.HILIATGSR.A	1271.774	0.00272	3	1	38.2	0
P12163_1_F5,15808	R.FSANFGAK.V	1449.831	0.00742	3	1	23.5	0
P12163_2_F2,16555	R.FSANFGAK.V	1449.831	0.01069	3	1	23.9	0
P12163_2_F8_12070	R.GINLHPR.T	1110.668	0.00296	3	1	25	0
P12163_1_S1,19694	R.GM*GSTVDLLFR.K	1515.814	-0.00207	2	1	29.6	0
P12163_1_F5,15827	R.LLSNAGVK.L	1409.894	0.00744	2	1	30.6	0
P12163_2_F2,16578	R.LLSNAGVK.L	1409.894	0.00632	2	1	24.6	0
P12163_1_F8,15858	K.EIACALEQSGHR.F	1674.853	0.00378	3	1	32.4	0

P12163_2_F6,15283	K.EIACALEQSGHR.F	1674.853	0.00453	3	1	34.5	0
P12163_2_S5,16324	K.FINLPDDQPDKESTPPK	2853.576	0.00459	4	1	29.7	0
P12163_1_F4,12896	K.GENYDLGEGGADK.K	1932.976	0.01155	2	1	27.1	0
P12163_1_F7,22675	K.GIM*VNTFEELESHAV	2152.101	0.00272	3	1	62.1	0
P12163_1_F6,19063	K.LPHDNTVAAYTQSLA.	2620.363	-0.00272	3	1	75.3	0
P12163_2_F1,22836	K.VWPSVVFNK.E	1684.004	0.00141	3	1	25.7	0
P12163_1_F4,10394	K.AEAAGNNDPCVK.I	1853.964	0.0051	2	1	40.5	0
P12163_1_F4,16615	K.AIAACTEAIEK.H	1785.004	0.01194	2	1	42.6	0
P12163_2_F1,15767	K.AIAACTEAIEK.H	1785.004	0.00788	2	1	44.8	0
P12163_1_F3,12357	K.EIGPDGQEVTK.V	1780.99	0.00706	2	1	34	0
P12163_1_F3,18978	K.VIPAVTEEVK.D	1693.036	0.00557	3	1	27.9	0
P12163_2_F9,9483	R.KAEAAGNNDPCVK.I	2286.264	0.01917	3	1	40.8	0
P12163_1_S1,12306	R.VSEEDIQACEER.Y	1768.832	0.00544	2	1	40.1	0
P12163_1_F7,18849	K.IICNVDEQDIAEHLR.E	2129.096	0.00445	3	1	74.4	0
P12163_1_F4,13353	R.AEEIPEEEK.N	1681.91	0.01052	2	1	37.2	0
P12163_1_F2,19429	R.DDDLLEQIGK.D	1753.979	0.00366	3	1	33	0
P12163_1_F8,20091	R.DIYFDLVDHDK.V ! K.I	1988.059	0.00259	3	1	45.8	0
P12163_1_F6,23032	R.LLEV FYHK.I	1656.993	0.0086	3	1	31	0
P12163_1_S10,1174	R.QVVHFR.S	1089.647	0.00294	3	1	36.8	0
P12163_2_F8_1207	R.QVVHFR.S	1089.647	0.00354	3	1	26.5	0
P12163_1_F3,23617	K.LADFAPLNTNYK.T	1861.068	0.00697	2	1	34.1	0
P12163_1_F3,23643	K.LADFAPLNTNYK.T	1861.068	0.00642	3	1	30.5	0
P12163_1_F2,16607	K.LTVLPTNR.D	1217.752	0.00203	2	1	24.7	0
P12163_1_F3,25880	R.FIDL VNEAVNK.H	1870.089	0.005	3	1	48.7	0
P12163_1_S1,15959	R.FVEANPQFDGR.G	1583.812	0.00518	3	1	41.2	0
P12163_2_S5,14287	R.VALDTQSLEDEPDHGF	2362.235	-0.00535	3	1	34.7	0
P12163_1_F3,16189	R.VYAQGDVYPDYSK.L	2113.106	0.0037	2	1	48.1	0
P12163_2_F1,8469	K.AAVDGG EK.L	1354.779	0.00502	2	1	31	0
P12163_2_F1,19414	K.QTALLSELNK.Q	1725.037	0.00849	3	1	38.4	0
P12163_1_F9,18847	K.RIEQLIAEANANPK.D	2175.27	0.00033	3	1	37.6	0
P12163_1_F9,4506	R.DHEVDSR.G	1161.58	0.00059	2	1	25.1	0
P12163_1_F8,14107	R.HIVVPNP DVR.G	1449.848	0.00204	3	1	60.9	0
P12163_2_F6,13565	R.HIVVPNP DVR.G	1449.848	0.00198	3	1	58.4	0
P12163_1_F4,24344	R.IEQLIAEANANPK.D	2019.169	0.00993	3	1	44.1	0
P12163_2_F1,14293	K.ALLQSDVQSK.N	1697.005	0.00572	2	1	46.4	0
P12163_2_F8_1207	K.SEGGSHGR.H	1090.554	0.00394	3	1	21.9	0
P12163_1_F4,20094	R.DLSSLI AK.K ! R.DLSSI	1454.904	0.00772	2	1	28.2	0
P12163_1_F3,25142	R.GDQY AIALALLDEGK.	2185.232	-0.01251	3	1	26.2	0
P12163_1_F9,18122	R.HWVLDPIDGTK.G	1889.074	0.00337	3	1	41.6	0
P12163_1_F2,6013	R.QDGAQETLER.I	1450.744	0.00176	3	1	22.6	0
P12163_2_F2,10885	K.GGVVYSNK.V	1431.842	0.00262	2	1	43.9	0
P12163_1_F4,18393	K.IEQLEVEK.Q	1595.946	0.01233	2	1	33.4	0
P12163_1_F4,19329	K.VTLQQLGLSK.D	1823.121	0.00187	2	1	49.7	0
P12163_1_F4,22257	R.ALVSFQEELK.D	1772.041	0.0046	3	1	47.2	0
P12163_1_S1,15995	R.ESVYGYSDDFER.K ! R	1770.812	0.00615	2	1	35	0
P12163_2_F1,15751	R.QILIEK.A ! K.QILLEK.I	1351.877	0.00587	3	1	23.9	0
P12163_1_F3,20276	K.IICLSGPPGVGK.T	1806.077	0.00187	2	1	32.7	0
P12163_1_F2,22513	K.LLAALQESR.K	1304.784	0.0062	2	1	24.4	0
P12163_1_F3,23187	K.LQCQQVLEELD VYK.R	2373.294	0.01425	3	1	28.5	0
P12163_1_S1,23845	K.NVGTANPLVLIDEIDK	2319.338	0.0056	3	1	34.7	0
P12163_1_F3,10300	K.SSSAIVSTNPR.L	1422.785	0.00624	2	1	27.5	0

P12163_1_S1,9792	K.TVESLDAEAAAR.T	1465.78	0.00951	3	1	34.7	0
P12163_1_F9,9617	K.DLSSNQLHR.S	1373.744	0.00291	3	1	31.2	0
P12163_1_F3,13788	K.DMDDVVTK.T	1530.829	0.00634	2	1	33.6	0
P12163_1_F4,13415	K.DVPNVAEK.A	1479.863	0.01016	2	1	25.5	0
P12163_2_F1,23864	K.LAGLILK.N	1335.918	0.00669	2	1	25.7	0
P12163_1_F3,17389	R.VVCEATLSPEVK.I	1940.098	0.00369	2	1	50.2	0
P12163_2_F1,21443	R.WLSLDSSVK.A	1642.962	-0.00178	2	1	28.4	0
P12163_1_F6,14244	K.TMVYPEPGFEHHR.R	1903.943	0.00942	3	1	29.1	0
P12163_1_F4,6548	R.DGDQDNQAK.V	1598.823	0.00709	2	1	31.5	0
P12163_1_S1,19337	R.EIAQAYADSFAPR.D	1742.901	0.00301	3	1	43.3	0
P12163_2_F6,19463	R.HFEVDLSAFR.N	1524.811	0.00125	3	1	36	0
P12163_2_F1,20144	R.MFDADLYEK.C	1739.913	0.00371	2	1	26	0
P12163_2_F7,14129	R.NILDIDKDR.M	1710.001	0.00844	3	1	28.1	0
P12163_2_F2,17969	K.AAWEFK.E	1430.825	0.00653	3	1	23	0
P12163_1_F7,20377	K.DVALAHILVYENPSAC	2289.196	0.00179	3	1	35.9	0
P12163_1_F2,17266	K.VEDPQNQLLNPAVK.C	2173.244	0.0044	3	1	41.3	0
P12163_1_F9,8819	R.ETAHLK.A	1306.794	0.00487	3	1	28.6	0
P12163_2_F1,20740	R.QNEIWYPLSK.T	1886.063	0.00283	2	1	34.6	0
P12163_1_F2,18701	R.VVVTSSISSITPSPK.W	2110.258	0.0098	3	1	25.4	0
P12163_2_F2,13667	K.GGIVTQVK.Q	1409.894	0.00719	2	1	30.2	0
P12163_1_F3,25209	K.LQELNNAVVLSTLTSK	2338.38	0.00259	3	1	24.1	0
P12163_1_S1,17338	K.LTITDDDVIEK.S	1870.063	0.00399	3	1	34.2	0
P12163_2_F2,19120	K.NLILAGVK.S	1435.946	0.00473	3	1	27.6	0
P12163_1_S1,12844	K.STVAASAATSINPR.L	1649.912	0.00468	3	1	25.6	0
P12163_1_F3,25928	K.VFIVGSGALGCEFLK.N	2205.256	0.01204	3	1	43.1	0
P12163_2_F1,13535	K.ADLPGVK.K	1307.814	0.00496	3	1	26.9	0
P12163_1_F2,19052	K.ASM*ENGVLTVTVPK.	2070.172	0.00558	3	1	29.4	0
P12163_1_F3,17688	K.ASM*ENGVLTVTVPK.	2070.172	0.0058	2	1	51.3	0
P12163_1_F3,17836	K.ASM*ENGVLTVTVPK.	2070.172	0.00556	3	1	39.1	0
P12163_1_F3,19760	K.ASM*ENGVLTVTVPK.	2070.172	0.00567	3	1	41	0
P12163_1_F6,18624	K.ASM*ENGVLTVTVPK.	2070.172	0.00459	3	1	30.6	0
P12163_2_S3,14258	K.ASM*ENGVLTVTVPK.	2070.172	-0.0032	3	1	28.7	0
P12163_1_F3,17089	K.ASMENGVLTVTVPK.V	2054.178	0.0076	3	1	22.9	0
P12163_1_F3,17130	K.ASMENGVLTVTVPK.V	2054.178	0.0046	2	1	56.1	0
P12163_1_F3,17408	K.ASMENGVLTVTVPK.V	2054.178	0.00292	3	1	27	0
P12163_1_F3,17444	K.ASMENGVLTVTVPK.V	2054.178	0.00442	2	1	38.7	0
P12163_1_F3,17505	K.ASMENGVLTVTVPK.V	2054.178	0.00383	4	1	34.2	0
P12163_1_F3,19514	K.ASMENGVLTVTVPK.V	2054.178	0.01582	2	1	49.7	0
P12163_1_F3,19787	K.ASMENGVLTVTVPK.V	2054.178	0.0058	3	1	40.7	0
P12163_1_F3,19805	K.ASMENGVLTVTVPK.V	2054.178	0.00574	2	1	62.5	0
P12163_1_F4,20206	K.ASMENGVLTVTVPK.V	2054.178	0.00817	3	1	35.8	0
P12163_1_F5,18443	K.ASMENGVLTVTVPK.V	2054.178	0.00721	3	1	35.6	0
P12163_1_F5,18890	K.ASMENGVLTVTVPK.V	2054.178	0.0026	2	1	55.9	0
P12163_1_F6,18609	K.ASMENGVLTVTVPK.V	2054.178	0.0073	3	1	44.9	0
P12163_1_F6,18643	K.ASMENGVLTVTVPK.V	2054.178	-0.00026	2	1	74	0
P12163_1_F6,19012	K.ASMENGVLTVTVPK.V	2054.178	0.00223	3	1	34.3	0
P12163_1_F7,18181	K.ASMENGVLTVTVPK.V	2054.178	0.00385	3	1	33.8	0
P12163_1_F8,19120	K.ASMENGVLTVTVPK.V	2054.178	0.00625	3	1	36.6	0
P12163_2_F1,19689	K.ASMENGVLTVTVPK.V	2054.178	0.01153	3	1	29.7	0
P12163_2_F1,19711	K.ASMENGVLTVTVPK.V	2054.178	0.00306	2	1	70.6	0
P12163_2_F4,17789	K.ASMENGVLTVTVPK.V	2054.178	0.00406	3	1	33.4	0

P12163_2_F4,17801	K.ASMENGVLTVTPK.V	2054.178	0.0048	2	1	55	0
P12163_2_F7,17055	K.ASMENGVLTVTPK.V	2054.178	0.00703	3	1	31.3	0
P12163_2_F7,17056	K.ASMENGVLTVTPK.V	2054.178	-0.00088	2	1	42.2	0
P12163_2_S3,15598	K.ASMENGVLTVTPK.V	2054.178	0.00388	3	1	25.5	0
P12163_1_F9,12608	K.ETPEAHVFK.V ! K.ETF	1665.942	0.00626	3	1	28.9	0
P12163_1_F9,12736	K.ETPEAHVFK.V ! K.ETF	1665.942	0.00388	2	1	31	0
P12163_2_F10,11550	K.ETPEAHVFK.V ! K.ETF	1665.942	0.00257	3	1	32.4	0
P12163_2_F6,12210	K.ETPEAHVFK.V ! K.ETF	1665.942	0.00614	3	1	32.6	0
P12163_2_F7,11639	K.ETPEAHVFK.V ! K.ETF	1665.942	0.00062	2	1	28.2	0
P12163_2_F8_12070	K.ETPEAHVFK.V ! K.ETF	1665.942	0.00332	3	1	30.6	0
P12163_2_F9,11708	K.ETPEAHVFK.V ! K.ETF	1665.942	0.00665	3	1	23.8	0
P12163_1_F2,9655	K.VEVEDDR.V	1165.6	0.00114	2	1	39.4	0
P12163_1_F6,9022	K.VEVEDDR.V	1165.6	0.00226	2	1	31.3	0
P12163_1_S1,9802	K.VEVEDDR.V	1165.6	0.00352	2	1	41.9	0
P12163_1_S1,10016	K.VEVEDDR.V	1165.6	0.0037	2	1	39.7	0
P12163_1_S1,10449	K.VEVEDDR.V	1165.6	0.00416	2	1	28	0
P12163_1_S1,12172	K.VEVEDDR.V	1165.6	0.00304	2	1	36.5	0
P12163_1_S10,416	K.VEVEDDR.V	1165.6	0.0034	2	1	34.3	0
P12163_2_F4,9092	K.VEVEDDR.V	1165.6	-0.00006	2	1	38.2	0
P12163_1_F6,16738	K.VEVEDDRVLQISGQR.I	2047.109	-0.00002	2	1	30.2	0
P12163_2_S5,15363	K.VEVEDDRVLQISGQR.I	2047.109	0.0015	3	1	32.8	0
P12163_1_F4,9254	K.EQDDCYK.L	1565.773	0.00877	2	1	25	0
P12163_1_F5,7999	K.EQDDCYK.L	1565.773	0.00869	2	1	33.9	0
P12163_2_F1,8592	K.EQDDCYK.L	1565.773	0.00697	2	1	33.7	0
P12163_1_F7,18524	K.ITIHGVLTIK.G	1818.131	0.00183	3	1	26.1	0
P12163_1_F8,18577	K.ITIHGVLTIK.G	1818.131	0.0066	3	1	34.5	0
P12163_1_F8,19354	K.ITIHGVLTIK.G	1818.131	0.00759	3	1	39.9	0
P12163_1_F8,19364	K.ITIHGVLTIK.G	1818.131	0.00577	2	1	42.9	0
P12163_1_F8,19388	K.ITIHGVLTIK.G	1818.131	0.00906	4	1	23.1	0
P12163_1_F8,19589	K.ITIHGVLTIK.G	1818.131	0.00696	3	1	44	0
P12163_1_F8,19843	K.ITIHGVLTIK.G	1818.131	0.00729	3	1	41.7	0
P12163_1_F8,19848	K.ITIHGVLTIK.G	1818.131	0.00077	2	1	41.6	0
P12163_1_F8,20083	K.ITIHGVLTIK.G	1818.131	0.00681	3	1	26.4	0
P12163_1_S10,18030	K.ITIHGVLTIK.G	1818.131	0.00585	3	1	25.1	0
P12163_2_F6,18799	K.ITIHGVLTIK.G	1818.131	0.00069	3	1	22.3	0
P12163_2_F6,18813	K.ITIHGVLTIK.G	1818.131	0.00367	2	1	48.8	0
P12163_2_F6,19014	K.ITIHGVLTIK.G	1818.131	0.00174	3	1	40.2	0
P12163_2_F6,19028	K.ITIHGVLTIK.G	1818.131	0.00549	2	1	42.7	0
P12163_2_F6,19979	K.ITIHGVLTIK.G	1818.131	0.00579	3	1	32.8	0
P12163_2_F7,17150	K.ITIHGVLTIK.G	1818.131	0.00252	3	1	34.7	0
P12163_2_F8_12070	K.ITIHGVLTIK.G	1818.131	-0.00012	3	1	38.1	0
P12163_2_F8_12070	K.ITIHGVLTIK.G	1818.131	0.00942	3	1	27	0
P12163_2_S5,17776	K.ITIHGVLTIK.G	1818.131	0.00375	2	1	31.7	0
P12163_2_S5,17794	K.ITIHGVLTIK.G	1818.131	0.00114	4	1	28.7	0
P12163_1_F2,21510	K.NGVLNIVIPR.T	1398.873	0.00337	2	1	27	0
P12163_1_F2,21557	K.NGVLNIVIPR.T	1398.873	0.00156	3	1	53.8	0
P12163_1_F4,22814	K.NGVLNIVIPR.T	1398.873	0.00449	2	1	29.5	0
P12163_1_F2,15709	R.SYGYNTSLALPDDAF	2386.239	0.01239	3	1	26.1	0
P12163_1_F2,16526	R.SYGYNTSLALPDDAF	2386.239	0.00498	3	1	27.5	0
P12163_1_F5,18070	R.SYGYNTSLALPDDAF	2386.239	0.01242	3	1	31.3	0
P12163_1_F7,16335	R.SYGYNTSLALPDDAF	2386.239	0.00852	3	1	35	0

P12163_1_F7,17773	R.SYGYNTSLALPDDAI	2386.239	0.00894	3	1	45.4	0
P12163_1_F8,18596	R.SYGYNTSLALPDDAI	2386.239	0.01455	3	1	47.5	0
P12163_1_F8,18598	R.SYGYNTSLALPDDAI	2386.239	0.01115	2	1	33	0
P12163_1_S1,17771	R.SYGYNTSLALPDDAI	2386.239	0.01668	3	1	46.7	0
P12163_2_F6,18155	R.SYGYNTSLALPDDAI	2386.239	0.00775	2	1	79.9	0
P12163_2_F6,18159	R.SYGYNTSLALPDDAI	2386.239	0.0042	3	1	49.4	0
P12163_2_F7,16643	R.SYGYNTSLALPDDAI	2386.239	-0.00231	2	1	55.2	0
P12163_2_F8_1207C	R.SYGYNTSLALPDDAI	2386.239	0.00021	3	1	52.5	0
P12163_1_F4,17037	R.YDVPGLGK.D	1456.862	0.00691	3	1	31.7	0
P12163_1_F7,15001	R.YDVPGLGK.D	1456.862	0.00523	3	1	29.3	0
P12163_1_F9,16011	R.YDVPGLGK.D	1456.862	0.01012	3	1	22.4	0
P12163_2_F1,16238	R.YDVPGLGK.D	1456.862	0.00517	3	1	31.5	0
P12163_2_F4,14661	R.YDVPGLGK.D	1456.862	-0.00029	3	1	24.5	0
P12163_2_F8_1207C	R.YDVPGLGK.D	1456.862	0.00775	3	1	28.3	0
P12163_2_F9,14926	R.YDVPGLGK.D	1456.862	0.00265	3	1	22.6	0
P12163_2_F1,8530	K.VGSEVAR.R	1021.594	0.0025	2	1	24.5	0
P12163_1_F3,27597	K.VPAIEEFVFLK.L	1900.14	0.00524	3	1	34.7	0
P12163_1_F4,18924	K.YVGVSLVGK.T	1529.951	0.00644	2	1	39.4	0
P12163_1_F4,18929	K.YVGVSLVGK.T	1529.951	0.00602	3	1	29.7	0
P12163_1_F5,17669	K.YVGVSLVGK.T	1529.951	0.00827	3	1	29.3	0
P12163_1_F5,17688	K.YVGVSLVGK.T	1529.951	0.00844	2	1	37.9	0
P12163_1_F6,17604	K.YVGVSLVGK.T	1529.951	0.0027	2	1	26.3	0
P12163_1_F6,18041	K.YVGVSLVGK.T	1529.951	0.00574	2	1	29	0
P12163_1_F6,18050	K.YVGVSLVGK.T	1529.951	0.0053	3	1	28.7	0
P12163_1_F7,16723	K.YVGVSLVGK.T	1529.951	0.00234	2	1	30.6	0
P12163_1_F7,17191	K.YVGVSLVGK.T	1529.951	0.00988	2	1	38.4	0
P12163_1_F7,17201	K.YVGVSLVGK.T	1529.951	0.00059	3	1	27.4	0
P12163_1_F8,17996	K.YVGVSLVGK.T	1529.951	0.00218	3	1	33.4	0
P12163_1_F9,17475	K.YVGVSLVGK.T	1529.951	0.00386	3	1	26	0
P12163_1_F9,17500	K.YVGVSLVGK.T	1529.951	0.0052	2	1	39.8	0
P12163_1_S10,1699	K.YVGVSLVGK.T	1529.951	0.00194	3	1	23	0
P12163_2_F1,18199	K.YVGVSLVGK.T	1529.951	0.00692	3	1	37.2	0
P12163_2_F1,18200	K.YVGVSLVGK.T	1529.951	0.0048	2	1	39.3	0
P12163_2_F4,16306	K.YVGVSLVGK.T	1529.951	0.00158	3	1	26.7	0
P12163_2_F4,16356	K.YVGVSLVGK.T	1529.951	0.00412	2	1	35.4	0
P12163_2_F8_1207C	K.YVGVSLVGK.T	1529.951	0.01038	2	1	26	0
P12163_2_F8_1207C	K.YVGVSLVGK.T	1529.951	0.00542	3	1	27.1	0
P12163_2_F9,16239	K.YVGVSLVGK.T	1529.951	0.01036	2	1	38.8	0
P12163_2_F9,16273	K.YVGVSLVGK.T	1529.951	0.00554	3	1	42.5	0
P12163_1_F4,17907	R.GGVIDEEALVR.A	1461.821	0.00924	2	1	34.1	0
P12163_1_F5,15933	R.GGVIDEEALVR.A	1461.821	0.00272	2	1	29.6	0
P12163_1_F6,17109	R.GGVIDEEALVR.A	1461.821	0.00466	2	1	36.9	0
P12163_1_S1,16081	R.GGVIDEEALVR.A	1461.821	0.00388	2	1	52.4	0
P12163_1_S1,16090	R.GGVIDEEALVR.A	1461.821	0.01271	3	1	65.2	0
P12163_1_S10,18	R.GGVIDEEALVR.A	1461.821	0.00768	2	1	28.1	0
P12163_2_F2,16722	R.GGVIDEEALVR.A	1461.821	0.00188	2	1	32.8	0
P12163_2_F4,15848	R.GGVIDEEALVR.A	1461.821	0.00012	2	1	49.4	0
P12163_1_F4,12201	R.QVDQPGM*IGK.V	1696.951	0.00485	3	1	29.7	0
P12163_1_F4,12240	R.QVDQPGM*IGK.V	1696.951	0.00622	2	1	29.6	0
P12163_1_F4,14070	R.QVDQPGM*IGK.V	1696.951	0.01116	2	1	24.8	0
P12163_2_F1,11342	R.QVDQPGM*IGK.V	1696.951	0.00716	3	1	28.4	0

P12163_1_F3,13557	R.QVDQPGMIGK.V	1680.956	0.0043	2	1	36.5	0
P12163_1_F4,14030	R.QVDQPGMIGK.V	1680.956	0.00458	2	1	35.1	0
P12163_1_F4,14076	R.QVDQPGMIGK.V	1680.956	0.00758	3	1	36.4	0
P12163_1_F5,12734	R.QVDQPGMIGK.V	1680.956	0.00838	2	1	31.4	0
P12163_2_F1,13094	R.QVDQPGMIGK.V	1680.956	0.00773	3	1	24.8	0
P12163_2_F4,12003	R.QVDQPGMIGK.V	1680.956	0.00152	3	1	27.7	0
P12163_1_F5,6765	K.ESLPEHENR.L	1414.723	0.00593	3	1	33.2	0
P12163_1_F9,7616	K.ESLPEHENR.L	1414.723	0.00209	3	1	33.5	0
P12163_2_F7,7278	K.ESLPEHENR.L	1414.723	0.00428	2	1	31.4	0
P12163_2_F7,7302	K.ESLPEHENR.L	1414.723	0.00233	3	1	33.7	0
P12163_1_F7,18710	K.HLLLPITDQNPYLSEGF	2371.292	0.00217	3	1	65.1	0
P12163_1_F7,18717	K.HLLLPITDQNPYLSEGF	2371.292	0.00065	4	1	66	0
P12163_1_F7,19014	K.HLLLPITDQNPYLSEGF	2371.292	-0.00319	4	1	37.9	0
P12163_1_F7,19034	K.HLLLPITDQNPYLSEGF	2371.292	-0.00644	3	1	37.1	0
P12163_1_F7,19718	K.HLLLPITDQNPYLSEGF	2371.292	0.00679	3	1	42	0
P12163_1_F7,19948	K.HLLLPITDQNPYLSEGF	2371.292	0.00439	3	1	67.2	0
P12163_1_F7,19965	K.HLLLPITDQNPYLSEGF	2371.292	0.00076	2	1	32.4	0
P12163_1_F8,20983	K.HLLLPITDQNPYLSEGF	2371.292	0.00292	3	1	55.3	0
P12163_1_F9,20393	K.HLLLPITDQNPYLSEGF	2371.292	-0.00152	3	1	31.2	0
P12163_1_S10,1845	K.HLLLPITDQNPYLSEGF	2371.292	0.00281	4	1	61.8	0
P12163_2_F10,1722	K.HLLLPITDQNPYLSEGF	2371.292	0.00297	4	1	42.3	0
P12163_2_F10,1723	K.HLLLPITDQNPYLSEGF	2371.292	0.00235	3	1	49.4	0
P12163_2_F10,1753	K.HLLLPITDQNPYLSEGF	2371.292	0.00345	4	1	34.3	0
P12163_2_F10,1817	K.HLLLPITDQNPYLSEGF	2371.292	0.00571	3	1	66.9	0
P12163_2_F10,1838	K.HLLLPITDQNPYLSEGF	2371.292	0.01168	3	1	28.9	0
P12163_2_F9,18670	K.HLLLPITDQNPYLSEGF	2371.292	0.00157	3	1	42.6	0
P12163_2_S5,17223	K.HLLLPITDQNPYLSEGF	2371.292	-0.00063	4	1	32.7	0
P12163_2_S5,17987	K.HLLLPITDQNPYLSEGF	2371.292	0.00247	3	1	24.9	0
P12163_2_S5,18016	K.HLLLPITDQNPYLSEGF	2371.292	0.00049	4	1	61.4	0
P12163_2_S5,19183	K.HLLLPITDQNPYLSEGF	2371.292	0.00149	4	1	58.9	0
P12163_2_S5,19309	K.HLLLPITDQNPYLSEGF	2371.292	0.00232	3	1	67.5	0
P12163_1_F4,13897	R.QAAATTAALAK.K	1624.984	-0.00491	2	1	36.4	0
P12163_1_F4,13907	R.QAAATTAALAK.K	1624.984	0.00636	3	1	29.6	0
P12163_1_F5,12564	R.QAAATTAALAK.K	1624.984	0.00573	2	1	43.9	0
P12163_2_F1,12934	R.QAAATTAALAK.K	1624.984	0.00353	2	1	39	0
P12163_2_F1,13029	R.QAAATTAALAK.K	1624.984	0.00324	3	1	53.7	0
P12163_1_F6,8405	R.QKESLPEHENR.L	1975.082	0.00487	4	1	42	0
P12163_1_F5,19085	R.WHLSEGGFQEFR.L	1796.902	0.00329	3	1	30.6	0
P12163_2_F9,18106	R.WHLSEGGFQEFR.L	1796.902	-0.0058	3	1	26.6	0
P12163_2_S5,18238	R.WHLSEGGFQEFR.L	1796.902	0.00203	3	1	43.4	0
P12163_1_F2,19170	K.ASM*ESGVLTVTPK.V	2043.162	0.00489	3	1	21.9	0
P12163_1_F3,17839	K.ASM*ESGVLTVTPK.V	2043.162	-0.00364	2	1	26.9	0
P12163_1_F2,17016	K.ASMESGVLTVTPK.V	2027.167	0.00114	3	1	26	0
P12163_1_F3,15462	K.ASMESGVLTVTPK.V	2027.167	0.00262	4	1	31.8	0
P12163_1_F3,16999	K.ASMESGVLTVTPK.V	2027.167	-0.00066	3	1	32.2	0
P12163_1_F3,17277	K.ASMESGVLTVTPK.V	2027.167	0.00495	3	1	27.3	0
P12163_1_F3,17795	K.ASMESGVLTVTPK.V	2027.167	0.00135	3	1	26.8	0
P12163_1_F3,17819	K.ASMESGVLTVTPK.V	2027.167	0.00336	2	1	50.3	0
P12163_1_F3,19762	K.ASMESGVLTVTPK.V	2027.167	-0.00046	2	1	72	0
P12163_1_F3,19775	K.ASMESGVLTVTPK.V	2027.167	0.00717	3	1	32.7	0
P12163_1_F5,18612	K.ASMESGVLTVTPK.V	2027.167	-0.00092	2	1	51.1	0

P12163_1_F5,19106	K.ASMESGVLTVTVPK.V	2027.167	0.00486	3	1	30	0
P12163_1_F9,12608	K.ETPEAHVFK.V ! K.ETF	1665.942	0.00626	3	1	28.9	0
P12163_1_F9,12736	K.ETPEAHVFK.V ! K.ETF	1665.942	0.00388	2	1	31	0
P12163_2_F10,1155	K.ETPEAHVFK.V ! K.ETF	1665.942	0.00257	3	1	32.4	0
P12163_2_F6,12210	K.ETPEAHVFK.V ! K.ETF	1665.942	0.00614	3	1	32.6	0
P12163_2_F7,11639	K.ETPEAHVFK.V ! K.ETF	1665.942	0.00062	2	1	28.2	0
P12163_2_F8_12070	K.ETPEAHVFK.V ! K.ETF	1665.942	0.00332	3	1	30.6	0
P12163_2_F9,11708	K.ETPEAHVFK.V ! K.ETF	1665.942	0.00665	3	1	23.8	0
P12163_1_F2,9655	K.VEVEDDR.V	1165.6	0.00114	2	1	39.4	0
P12163_1_F6,9022	K.VEVEDDR.V	1165.6	0.00226	2	1	31.3	0
P12163_1_S1,9802	K.VEVEDDR.V	1165.6	0.00352	2	1	41.9	0
P12163_1_S1,10016	K.VEVEDDR.V	1165.6	0.0037	2	1	39.7	0
P12163_1_S1,10449	K.VEVEDDR.V	1165.6	0.00416	2	1	28	0
P12163_1_S1,12172	K.VEVEDDR.V	1165.6	0.00304	2	1	36.5	0
P12163_1_S10,416	K.VEVEDDR.V	1165.6	0.0034	2	1	34.3	0
P12163_2_F4,9092	K.VEVEDDR.V	1165.6	-0.00006	2	1	38.2	0
P12163_1_F6,16738	K.VEVEDDRVLQISGQR.I	2047.109	-0.00002	2	1	30.2	0
P12163_2_S5,15363	K.VEVEDDRVLQISGQR.I	2047.109	0.0015	3	1	32.8	0
P12163_1_F4,9362	R.SSGM*FSR.R	1091.546	0.00394	3	1	24.6	0
P12163_1_F4,9415	R.SSGMFSR.R	1075.551	0.00172	3	1	24	0
P12163_1_F4,10016	R.SSGMFSR.R	1075.551	0.00361	3	1	27.7	0
P12163_1_F2,16636	K.GIEVISLSR.S	1277.773	0.00334	3	1	41.1	0
P12163_1_S1,15846	K.GIEVISLSR.S	1277.773	0.00289	3	1	32.2	0
P12163_1_S1,17618	K.GIEVISLSR.S	1277.773	0.00394	3	1	58.7	0
P12163_1_S1,17704	K.GIEVISLSR.S	1277.773	0.00376	2	1	26.4	0
P12163_1_S1,8002	R.AEAGVVDDSR.S	1322.685	0.00227	3	1	30.4	0
P12163_1_S1,9608	R.AEAGVVDDSR.S	1322.685	0.00259	2	1	60.9	0
P12163_1_F3,15842	R.INGEANVVAVNAAK.E	1978.154	0.00644	3	1	40.4	0
P12163_1_F4,16340	R.INGEANVVAVNAAK.E	1978.154	0.00939	2	1	69.4	0
P12163_2_F1,15552	R.INGEANVVAVNAAK.E	1978.154	0.00215	2	1	68.7	0
P12163_2_F4,14158	R.INGEANVVAVNAAK.E	1978.154	-0.0007	3	1	34.9	0
P12163_1_F2,18455	R.SAPIDVVADV.K.S	1722.026	0.00164	3	1	26.7	0
P12163_1_F2,18529	R.SAPIDVVADV.K.S	1722.026	0.00336	2	1	30.5	0
P12163_1_F3,16883	R.SAPIDVVADV.K.S	1722.026	0.00424	2	1	37.3	0
P12163_1_F3,19087	R.SAPIDVVADV.K.S	1722.026	0.00614	2	1	55.8	0
P12163_1_F3,19126	R.SAPIDVVADV.K.S	1722.026	0.00494	3	1	47	0
P12163_1_F5,18390	R.SAPIDVVADV.K.S	1722.026	0.00554	3	1	27.3	0
P12163_1_F6,18184	R.SAPIDVVADV.K.S	1722.026	-0.00145	3	1	23.9	0
P12163_2_F2,18621	R.SAPIDVVADV.K.S	1722.026	-0.00266	2	1	40.9	0
P12163_2_F2,18634	R.SAPIDVVADV.K.S	1722.026	0.00164	3	1	30.5	0
P12163_2_F4,17377	R.SAPIDVVADV.K.S	1722.026	0.00077	3	1	33.3	0
P12163_1_F2,19521	R.VVVLGGSGFVGS.AICK	2158.251	0.00243	3	1	43.3	0
P12163_1_F2,21792	R.VVVLGGSGFVGS.AICK	2158.251	0.00471	3	1	61.4	0
P12163_1_F3,22487	R.VVVLGGSGFVGS.AICK	2158.251	0.0009	3	1	49.2	0
P12163_1_F5,21355	R.VVVLGGSGFVGS.AICK	2158.251	0.00258	3	1	36.8	0
P12163_1_F9,7928	K.DHVNDVK.V	1434.816	0.00872	2	1	26.1	0
P12163_1_S10,8875	K.DHVNDVK.V	1434.816	0.0101	2	1	25.6	0
P12163_2_F9,8164	K.DHVNDVK.V	1434.816	0.00517	3	1	22.7	0
P12163_1_F8,18158	K.DTLILLHAQAPR.A	1651.98	0.00245	3	1	59	0
P12163_1_F8,18169	K.DTLILLHAQAPR.A	1651.98	0.00216	2	1	42.1	0
P12163_1_F9,17712	K.DTLILLHAQAPR.A	1651.98	0.0017	3	1	36	0

P12163_2_F6,17669	K.DTLILLHAQAPR.A	1651.98	0.00062	3	1	51	0
P12163_2_F6,17683	K.DTLILLHAQAPR.A	1651.98	0.00182	2	1	55.1	0
P12163_2_S5,16689	K.DTLILLHAQAPR.A	1651.98	0.00306	2	1	53.8	0
P12163_2_S5,16774	K.DTLILLHAQAPR.A	1651.98	0.00125	3	1	51.8	0
P12163_1_F5,22987	K.IIEVLK.R ! K.IIEVLK.†	1322.887	0.00646	2	1	31.5	0
P12163_1_F4,5868	K.YHNDAADR.L	1265.618	-0.00388	2	1	25.6	0
P12163_1_F4,5886	K.YHNDAADR.L	1265.618	0.00324	3	1	31.8	0
P12163_1_F5,4973	K.YHNDAADR.L	1265.618	0.00426	3	1	24.9	0
P12163_2_F4,5157	K.YHNDAADR.L	1265.618	0.00297	3	1	27	0
P12163_1_F4,19218	R.DVICEM*VQK.L	1745.939	0.0029	2	1	29.7	0
P12163_1_F3,18789	R.DVICEMVQK.L	1729.944	0.00674	2	1	57.5	0
P12163_1_F3,18801	R.DVICEMVQK.L	1729.944	0.00511	3	1	39.2	0
P12163_1_F4,19224	R.DVICEMVQK.L	1729.944	0.0076	2	1	57	0
P12163_2_F1,18497	R.DVICEMVQK.L	1729.944	0.00544	2	1	55.1	0
P12163_2_F1,18511	R.DVICEMVQK.L	1729.944	0.00052	3	1	29.9	0
P12163_1_F4,12213	K.AYEAEQSQUIER.E	1724.876	0.00458	2	1	26.1	0
P12163_1_S1,10066	K.AYEAEQSQUIER.E	1724.876	0.00004	3	1	46.8	0
P12163_1_S1,10074	K.AYEAEQSQUIER.E	1724.876	0.00367	3	1	46.6	0
P12163_1_S1,11381	K.AYEAEQSQUIER.E	1724.876	0.0049	2	1	35.3	0
P12163_2_F2,7098	K.SAAAQK.V	1183.725	0.00446	3	1	35.6	0
P12163_1_S1,16614	K.SGEPAFSVLVSR.F	1552.864	0.00344	3	1	64.4	0
P12163_1_S1,18688	K.SGEPAFSVLVSR.F	1552.864	0.00017	3	1	52.5	0
P12163_1_F6,19585	K.VAVSFTHIHK.S	1723.073	0.00694	2	1	42.3	0
P12163_1_F6,19590	K.VAVSFTHIHK.S	1723.073	0.00657	3	1	34.9	0
P12163_1_F8,19712	K.VAVSFTHIHK.S	1723.073	0.01086	2	1	49.3	0
P12163_1_F8,19904	K.VAVSFTHIHK.S	1723.073	0.00159	3	1	31.8	0
P12163_2_F4,18103	K.VAVSFTHIHK.S	1723.073	0.00279	3	1	31.9	0
P12163_2_F6,19129	K.VAVSFTHIHK.S	1723.073	0.00546	2	1	47.7	0
P12163_2_F6,19206	K.VAVSFTHIHK.S	1723.073	0.00387	3	1	45.9	0
P12163_2_F7,17398	K.VAVSFTHIHK.S	1723.073	0.00388	2	1	43.4	0
P12163_2_F7,17425	K.VAVSFTHIHK.S	1723.073	0.0048	3	1	38.9	0
P12163_2_S5,17876	K.VAVSFTHIHK.S	1723.073	0.00378	3	1	39.3	0
P12163_1_F2,22242	R.IAEPNTDLEFWK.T	2168.185	0.00427	3	1	34.9	0
P12163_1_F3,22923	R.IAEPNTDLEFWK.T	2168.185	0.00745	3	1	45	0
P12163_1_F3,22925	R.IAEPNTDLEFWK.T	2168.185	0.00031	2	1	24.9	0
P12163_1_F5,21839	R.IAEPNTDLEFWK.T	2168.185	0.00733	3	1	27.8	0
P12163_1_F3,18941	K.QAGPAFDYLEK.A	1847.016	0.00959	3	1	26.8	0
P12163_1_F3,18944	K.QAGPAFDYLEK.A	1847.016	0.0052	2	1	41.2	0
P12163_1_F4,19265	K.QAGPAFDYLEK.A	1847.016	0.00662	3	1	33.5	0
P12163_1_F4,19274	K.QAGPAFDYLEK.A	1847.016	0.00678	2	1	59.6	0
P12163_2_F1,18516	K.QAGPAFDYLEK.A	1847.016	0.00556	2	1	35.7	0
P12163_2_F1,18559	K.QAGPAFDYLEK.A	1847.016	0.00623	3	1	24.4	0
P12163_2_F4,16771	K.QAGPAFDYLEK.A	1847.016	0.00035	3	1	34.4	0
P12163_2_F9,17019	K.QAGPAFDYLEK.A	1847.016	0.00968	3	1	25.4	0
P12163_1_F3,23692	K.VIGESLDLIK.Y	1695.051	0.01198	2	1	50.6	0
P12163_1_F3,23706	K.VIGESLDLIK.Y	1695.051	0.00092	3	1	40.6	0
P12163_1_F3,23922	K.VIGESLDLIK.Y	1695.051	0.00644	2	1	42.1	0
P12163_1_F3,23938	K.VIGESLDLIK.Y	1695.051	0.00527	3	1	42	0
P12163_1_F6,22341	K.VIGESLDLIK.Y	1695.051	-0.0025	3	1	29.1	0
P12163_1_F9,12549	K.VPALEHNGK.V ! K.VP	1572.932	0.01357	3	1	34.8	0
P12163_1_F6,12155	K.YDITAGRPK.L	1628.958	0.00547	2	1	25.8	0

P12163_1_F8,19224	K.YVDSNFEGPSLLPDDP	2786.446	0.00569	3	1	62.2	0
P12163_2_F10,1705	K.YVDSNFEGPSLLPDDP	2786.446	0.00705	4	1	31.2	0
P12163_2_F7,16960	K.YVDSNFEGPSLLPDDP	2786.446	0.00068	3	1	33.9	0
P12163_2_S5,17656	K.YVDSNFEGPSLLPDDP	2786.446	0.00338	3	1	60.2	0
P12163_2_S5,17815	K.YVDSNFEGPSLLPDDP	2786.446	0.01465	4	1	45.6	0
P12163_2_F2,21598	K.FFVGGNWK.C	1562.894	0.00488	3	1	22.2	0
P12163_1_F7,14479	K.VATPAQAQEVHFELR.	2000.087	0.00085	3	1	43.5	0
P12163_2_S5,14197	K.VATPAQAQEVHFELR.	2000.087	0.00258	4	1	34	0
P12163_2_S5,15846	K.VATPAQAQEVHFELR.	2000.087	0.00376	3	1	80.4	0
P12163_1_F5,20483	K.VAYALSQGLK.V	1658.01	0.00755	3	1	41.6	0
P12163_1_F5,20548	K.VAYALSQGLK.V	1658.01	0.00567	2	1	44.8	0
P12163_1_F9,20016	K.VAYALSQGLK.V	1658.01	0.00245	3	1	27.2	0
P12163_2_F8_12070	K.VAYALSQGLK.V	1658.01	0.00578	3	1	38.8	0
P12163_2_F9,18893	K.VAYALSQGLK.V	1658.01	0.00479	2	1	24.9	0
P12163_2_F9,18997	K.VAYALSQGLK.V	1658.01	0.00599	3	1	40.7	0
P12163_1_S1,14516	K.VIACVGETLEQR.E	1678.91	0.00411	3	1	42.5	0
P12163_1_S1,21186	K.VIACVGETLEQR.E	1678.91	0.00777	3	1	67.1	0
P12163_1_S1,21242	K.VIACVGETLEQR.E	1678.91	0.00492	2	1	44.9	0
P12163_1_S1,21360	K.VIACVGETLEQR.E	1678.91	0.00171	3	1	64.9	0
P12163_1_S1,21411	K.VIACVGETLEQR.E	1678.91	0.00954	2	1	51.6	0
P12163_1_S1,21538	K.VIACVGETLEQR.E	1678.91	0.00486	3	1	67.9	0
P12163_1_S1,21592	K.VIACVGETLEQR.E	1678.91	0.00578	2	1	38.6	0
P12163_1_S1,21831	K.VIACVGETLEQR.E	1678.91	0.00027	3	1	49.7	0
P12163_1_F3,20724	R.LILNESNEFVGDK.V	2086.164	0.00626	3	1	36.1	0
P12163_1_F3,20745	R.LILNESNEFVGDK.V	2086.164	0.00448	2	1	62.1	0
P12163_1_S1,19084	K.DSTLIMQLLR.D	1493.866	-0.00037	3	1	24	0
P12163_2_F1,9483	K.LAEQAER.Y ! R.LAEQ.	1120.626	0.00298	2	1	24.7	0
P12163_1_F4,17544	R.EQYVYLAK.L	1621.941	0.00753	3	1	27.6	0
P12163_1_F4,17567	R.EQYVYLAK.L	1621.941	0.00467	2	1	49.3	0
P12163_1_F9,16551	R.EQYVYLAK.L	1621.941	0.00621	2	1	35.7	0
P12163_2_F1,16678	R.EQYVYLAK.L	1621.941	0.00493	2	1	39.9	0
P12163_2_F1,16689	R.EQYVYLAK.L	1621.941	0.00648	3	1	29.7	0
P12163_1_F4,19313	R.NLLSVAYK.N	1515.935	0.00473	2	1	24.7	0
P12163_1_F5,18080	R.NLLSVAYK.N	1515.935	0.00697	2	1	39.6	0
P12163_1_F5,18081	R.NLLSVAYK.N	1515.935	0.00381	3	1	34.8	0
P12163_1_F6,18423	R.NLLSVAYK.N	1515.935	0.01068	3	1	31.8	0
P12163_1_F9,17887	R.NLLSVAYK.N	1515.935	0.006	3	1	24.6	0
P12163_2_F1,18587	R.NLLSVAYK.N	1515.935	0.00633	2	1	42.2	0
P12163_2_F1,18588	R.NLLSVAYK.N	1515.935	0.00501	3	1	35.5	0
P12163_2_F2,18787	R.NLLSVAYK.N	1515.935	0.00681	3	1	28.1	0
P12163_2_F2,18808	R.NLLSVAYK.N	1515.935	0.00629	2	1	32.4	0
P12163_2_F8_12070	R.NLLSVAYK.N	1515.935	0.00594	3	1	30.9	0
P12163_2_S5,16404	R.NLLSVAYK.N	1515.935	0.00054	3	1	31.7	0
P12163_1_F4,24604	R.YEEMVEFMQK.L	1941.991	0.00724	3	1	28.1	0
P12163_1_S10,8273	K.HEGSIK.E	1278.763	0.00593	3	1	26.3	0
P12163_1_F5,10277	K.LAADYHPR.L	1246.685	0.00457	3	1	32.8	0
P12163_1_F9,11350	K.LAADYHPR.L	1246.685	0.00328	3	1	28.7	0
P12163_2_F4,10430	K.LAADYHPR.L	1246.685	0.00358	3	1	22.7	0
P12163_2_F7,10561	K.LAADYHPR.L	1246.685	0.00262	3	1	41.2	0
P12163_2_S5,11074	K.LAADYHPR.L	1246.685	0.0028	3	1	39.1	0
P12163_1_F9,9995	K.QAEVIGGHK.S	1546.916	0.00502	3	1	49.2	0

P12163_1_F9,10076	K.QAEVIGGHK.S	1546.916	0.00548	2	1	25.3	0
P12163_1_F2,14983	K.SYLVINEVR.E	1396.81	0.00267	3	1	46.4	0
P12163_1_F2,18424	K.SYLVINEVR.E	1396.81	-0.00381	2	1	28.5	0
P12163_1_F9,17992	K.SYLVINEVR.E	1396.81	0.00181	2	1	38.1	0
P12163_2_F1,18704	K.SYLVINEVR.E	1396.81	0.00349	2	1	27.6	0
P12163_1_F7,16646	R.FYNVDVNAVPHK.L	2011.122	0.00564	3	1	55.3	0
P12163_1_F7,16676	R.FYNVDVNAVPHK.L	2011.122	-0.00397	2	1	31	0
P12163_1_F8,17408	R.FYNVDVNAVPHK.L	2011.122	-0.00111	3	1	58.9	0
P12163_1_F8,17416	R.FYNVDVNAVPHK.L	2011.122	0.00637	2	1	47.6	0
P12163_2_F6,16944	R.FYNVDVNAVPHK.L	2011.122	0.00325	2	1	45.2	0
P12163_2_F6,16957	R.FYNVDVNAVPHK.L	2011.122	0.00678	3	1	54.8	0
P12163_1_F4,26897	K.AVEQLFQALNK.V	1869.105	0.00557	3	1	55.9	0
P12163_1_F4,27085	K.AVEQLFQALNK.V	1869.105	0.00608	3	1	38.2	0
P12163_1_F4,27094	K.AVEQLFQALNK.V	1869.105	0.0028	2	1	60.8	0
P12163_1_F7,23506	K.AVEQLFQALNK.V	1869.105	0.00113	3	1	43.9	0
P12163_1_F4,9426	K.HHQAYVTNYNK.A	1983.066	0.00874	3	1	34.4	0
P12163_1_F5,7777	K.HHQAYVTNYNK.A	1983.066	0.01156	3	1	28.1	0
P12163_2_F2,8621	K.HHQAYVTNYNK.A	1983.066	0.00232	3	1	33.9	0
P12163_2_F4,8258	K.HHQAYVTNYNK.A	1983.066	-0.0095	3	1	32.3	0
P12163_2_S3,8505	K.HHQAYVTNYNK.A	1983.066	0.00016	3	1	43.7	0
P12163_1_S1,17688	K.VDTSTVVQLQGAIK.F	2067.227	0.00907	3	1	37.9	0
P12163_1_S1,17719	K.VDTSTVVQLQGAIK.F	2067.227	0.00653	2	1	59	0
P12163_1_S1,17989	K.VDTSTVVQLQGAIK.F	2067.227	0.00478	3	1	26.6	0
P12163_1_S10,17650	K.VDTSTVVQLQGAIK.F	2067.227	0.00664	3	1	43.4	0
P12163_1_F6,13280	K.YASDVYQK.E	1581.873	0.00724	2	1	26.2	0
P12163_1_S10,13560	K.YASDVYQK.E	1581.873	0.00734	3	1	25	0
P12163_1_S1,15758	R.LVVETTANQDPLVTK.	2236.301	0.00392	4	1	28	0
P12163_1_S1,17481	R.LVVETTANQDPLVTK.	2236.301	0.00685	2	1	55.7	0
P12163_1_S1,17557	R.LVVETTANQDPLVTK.	2236.301	0.007	4	1	55.6	0
P12163_1_F7,16754	K.GIAHITGGGFTDNIPR.1	1930.045	-0.00176	3	1	32	0
P12163_1_F7,16783	K.GIAHITGGGFTDNIPR.1	1930.045	-0.00087	2	1	40.4	0
P12163_1_F8,17558	K.GIAHITGGGFTDNIPR.1	1930.045	0.00553	3	1	72	0
P12163_2_F6,17081	K.GIAHITGGGFTDNIPR.1	1930.045	0.00331	2	1	46.4	0
P12163_2_F6,17127	K.GIAHITGGGFTDNIPR.1	1930.045	-0.002	3	1	69	0
P12163_1_F4,22757	K.GLGAVIYEDSWK.V	1946.084	0.0015	2	1	34.7	0
P12163_2_F1,22244	K.GLGAVIYEDSWK.V	1946.084	0.00276	2	1	46	0
P12163_2_F1,22247	K.GLGAVIYEDSWK.V	1946.084	0.00394	3	1	38.5	0
P12163_2_F9,19728	K.GLGAVIYEDSWK.V	1946.084	0.00286	3	1	30.3	0
P12163_1_F3,21885	K.QVLDIISEGGVK.G	1866.116	0.00248	3	1	54.8	0
P12163_1_F3,21915	K.QVLDIISEGGVK.G	1866.116	0.00185	2	1	52.4	0
P12163_1_F4,22648	K.QVLDIISEGGVK.G	1866.116	0.00367	3	1	34.3	0
P12163_1_F6,20779	K.QVLDIISEGGVK.G	1866.116	-0.0056	3	1	23.6	0
P12163_1_F4,18266	K.VPAVFK.W	1268.819	0.00908	3	1	24.3	0
P12163_1_F6,17599	K.VPAVFK.W	1268.819	0.0063	2	1	23.9	0
P12163_2_F1,17508	K.VPAVFK.W	1268.819	0.00683	3	1	30.8	0
P12163_1_F4,19482	R.VLAQSDLSLK.D	1682.031	0.00756	2	1	36.1	0
P12163_2_F1,18830	R.VLAQSDLSLK.D	1682.031	0.004	2	1	40.4	0
P12163_2_F1,7190	K.ADAAAK.E	1154.699	0.00573	3	1	30.2	0
P12163_1_F4,19325	K.FELIGSSNIK.I	1716.015	0.00614	3	1	22.9	0
P12163_1_F7,18844	K.FELIGSSNIK.I	1716.015	0.00542	3	1	38.4	0
P12163_2_F1,21172	K.FELIGSSNIK.I	1716.015	0.00455	3	1	37.4	0

P12163_2_F1,21182	K.FELIGSSNIK.I	1716.015	0.00487	2	1	34.6	0
P12163_2_F4,18432	K.FELIGSSNIK.I	1716.015	0.00359	3	1	22.2	0
P12163_1_F3,13945	R.GLAANTDDLQK.A	1753.99	0.00362	2	1	52.2	0
P12163_1_F3,13946	R.GLAANTDDLQK.A	1753.99	0.00049	3	1	31.7	0
P12163_1_F4,12079	R.GLAANTDDLQK.A	1753.99	0.00592	3	1	39.2	0
P12163_1_F4,14399	R.GLAANTDDLQK.A	1753.99	0.01448	2	1	41.6	0
P12163_1_F7,12753	R.GLAANTDDLQK.A	1753.99	-0.00197	3	1	22.6	0
P12163_2_F1,13543	R.GLAANTDDLQK.A	1753.99	0.00808	2	1	49.7	0
P12163_2_F4,12470	R.GLAANTDDLQK.A	1753.99	0.00025	3	1	28.6	0
P12163_2_S3,11679	R.GLAANTDDLQK.A	1753.99	-0.00233	3	1	37.7	0
P12163_1_F2,16396	R.LLYSSAFSSR.T	1434.789	0.00265	3	1	22.1	0
P12163_1_F2,17609	R.LLYSSAFSSR.T	1434.789	0.00565	3	1	42.5	0
P12163_1_F2,18247	R.LLYSSAFSSR.T	1434.789	0.00373	3	1	42.8	0
P12163_1_F8,18172	R.SGEFEVTYLDNDTR.I	1949.939	0.00711	2	1	35.5	0
P12163_2_F7,14927	K.AAPFINHSFGK.S	1797.027	0.00419	3	1	29.9	0
P12163_2_F7,14954	K.AAPFINHSFGK.S	1797.027	0.00411	2	1	31.1	0
P12163_1_F4,15560	K.SDVAGEVLK.L	1525.905	0.01245	3	1	44.3	0
P12163_1_F4,15633	K.SDVAGEVLK.L	1525.905	0.00605	2	1	38.8	0
P12163_2_F1,14622	K.SDVAGEVLK.L	1525.905	0.00245	2	1	37.3	0
P12163_1_F3,5114	K.TDESTEESSEK.S	1936.944	0.00541	3	1	25.2	0
P12163_1_F3,6541	K.TDESTEESSEK.S	1936.944	0.00397	3	1	36.9	0
P12163_1_F3,7511	K.TDESTEESSEK.S	1936.944	0.0067	3	1	49.1	0
P12163_1_F3,7596	K.TDESTEESSEK.S	1936.944	0.00534	2	1	44.9	0
P12163_1_F5,6199	K.TSENTSTAK.T	1546.853	0.00734	2	1	28.3	0
P12163_2_F1,6572	K.TSENTSTAK.T	1546.853	0.00603	2	1	31.4	0
P12163_2_F1,6580	K.TSENTSTAK.T	1546.853	0.00544	3	1	24.2	0
P12163_2_F2,7100	K.TSENTSTAK.T	1546.853	0.00439	2	1	36.9	0
P12163_2_F2,7146	K.TSENTSTAK.T	1546.853	0.00529	3	1	23.1	0
P12163_2_F7,15789	K.VGDFEM*HLK.R	1699.93	0.00489	3	1	32.5	0
P12163_2_F6,17823	K.VGDFEMHLK.R	1683.935	0.00659	2	1	27.1	0
P12163_2_F6,17852	K.VGDFEMHLK.R	1683.935	0.00372	3	1	36.7	0
P12163_1_F4,4536	K.DPEHAHR.H	1165.602	0.00423	3	1	36.1	0
P12163_2_S5,5130	K.DPEHAHR.H	1165.602	-0.0009	3	1	37.8	0
P12163_1_F9,6233	K.EEDQEAHGK.K	1650.854	0.00738	3	1	35.1	0
P12163_2_F9,7074	K.EEDQEAHGK.K	1650.854	0.00381	3	1	29.2	0
P12163_1_F5,13561	K.EEEFDYK.K	1567.81	0.01496	2	1	23.9	0
P12163_1_F6,7728	R.RPSETESGDYGR.K	1657.808	-0.01479	3	1	29.9	0
P12163_1_F6,7738	R.RPSETESGDYGR.K	1657.808	-0.00566	2	1	27.8	0
P12163_1_F9,5928	R.RPSETESGDYGR.K	1657.808	0.00396	3	1	24.7	0
P12163_2_F7,5837	R.RPSETESGDYGR.K	1657.808	0.00246	3	1	41.5	0
P12163_2_F7,6979	R.RPSETESGDYGR.K	1657.808	0.00165	3	1	31.4	0
P12163_1_F3,6228	R.RRPSETESGDYGR.K	1813.909	0.00826	4	1	31.4	0
P12163_1_F4,6579	R.RRPSETESGDYGR.K	1813.909	0.00378	4	1	32	0
P12163_1_F5,4722	R.RRPSETESGDYGR.K	1813.909	0.0033	4	1	36	0
P12163_1_F5,5559	R.RRPSETESGDYGR.K	1813.909	0.00458	4	1	31.1	0
P12163_1_F5,5571	R.RRPSETESGDYGR.K	1813.909	0.00133	2	1	30.4	0
P12163_2_S3,6551	R.RRPSETESGDYGR.K	1813.909	-0.0001	4	1	32.2	0
P12163_1_F4,6971	K.ADSAASTSASK.Q	1603.875	0.007	3	1	35.2	0
P12163_1_F4,6984	K.ADSAASTSASK.Q	1603.875	0.00831	2	1	37.4	0
P12163_1_F4,8234	K.ADSAASTSASK.Q	1603.875	0.00469	2	1	48.8	0
P12163_1_F4,8327	K.ADSAASTSASK.Q	1603.875	0.00808	3	1	37.3	0

P12163_2_F6,17100	K.GYDPEVIDIR.S	1480.795	0.00965	2	1	28.6	0
P12163_1_F8,22637	K.QGHELLLFEALR.E	1729.99	0.00188	2	1	40.8	0
P12163_1_F8,22642	K.QGHELLLFEALR.E	1729.99	0.00227	3	1	30.7	0
P12163_1_S10,2072	K.QGHELLLFEALR.E	1729.99	0.00371	3	1	27.2	0
P12163_2_F10,1973	K.QGHELLLFEALR.E	1729.99	0.00359	3	1	34.6	0
P12163_2_F6,22310	K.QGHELLLFEALR.E	1729.99	0.00311	3	1	31.9	0
P12163_1_F9,6119	R.QLGAEHSQR.L	1329.718	0.00295	3	1	44.6	0
P12163_2_F9,6873	R.QLGAEHSQR.L	1329.718	0.00253	3	1	43.6	0
P12163_2_F4,8484	R.YHVM*QAAK.T	1571.882	0.00656	3	1	40.2	0
P12163_2_S5,8951	R.YHVM*QAAK.T	1571.882	0.00161	3	1	32.2	0
P12163_2_F4,11121	R.YHVMQAAK.T	1555.887	0.00422	3	1	43.6	0
P12163_1_F3,18398	K.IFNPQGTGVVLCGQK.A	2226.252	0.00435	3	1	28.5	0
P12163_1_F3,20382	K.IFNPQGTGVVLCGQK.A	2226.252	0.00558	3	1	54.4	0
P12163_1_F3,20440	K.IFNPQGTGVVLCGQK.A	2226.252	0.00136	2	1	72.6	0
P12163_1_F8,14234	K.KGDVVEISQVM*GR.G	2042.152	0.00477	3	1	35.3	0
P12163_1_F8,17772	K.KGDVVEISQVMGR.G	2026.158	0.00218	2	1	35.3	0
P12163_2_F6,17250	K.KGDVVEISQVMGR.G	2026.158	0.00272	2	1	33.9	0
P12163_1_S1,20451	K.QM*AEEVTSIVLAEGV	2631.401	0.01058	3	1	66.5	0
P12163_1_S1,23576	K.QMAEEVTSIVLAEGVS	2615.406	0.00647	3	1	57.6	0
P12163_1_F3,20172	K.SVAGSTAEVLCGLK.K	2000.131	0.00414	3	1	59	0
P12163_1_F3,20176	K.SVAGSTAEVLCGLK.K	2000.131	0.00603	2	1	88.4	0
P12163_1_F4,20735	K.SVAGSTAEVLCGLK.K	2000.131	0.00616	3	1	30.8	0
P12163_1_F6,19170	K.SVAGSTAEVLCGLK.K	2000.131	0.00226	3	1	39.2	0
P12163_1_F5,16667	R.SLIESGFSSK.E	1662.952	0.00922	2	1	29.3	0
P12163_1_F5,16711	R.SLIESGFSSK.E	1662.952	0.00553	3	1	42.1	0
P12163_2_F1,17234	R.SLIESGFSSK.E	1662.952	0.00886	2	1	43.9	0
P12163_1_S10,6362	K.SHDGTTK.K	1353.758	0.00463	3	1	34.6	0
P12163_2_F8_12070	K.SHDGTTK.K	1353.758	0.00247	3	1	34.9	0
P12163_1_F8,14693	K.SPTGDEAYNDNGLVPI	2008.988	0.00179	2	1	26.9	0
P12163_1_F2,20846	R.DVGVNSVVLFPK.V	1882.126	0.00089	3	1	35	0
P12163_1_F3,18840	R.DVGVNSVVLFPK.V	1882.126	0.00628	2	1	33.7	0
P12163_1_F3,21150	R.DVGVNSVVLFPK.V	1882.126	0.01007	3	1	41.3	0
P12163_1_F8,14181	R.EDGVIM*NDETVHQLC	2512.263	0.00529	3	1	28.8	0
P12163_2_S5,13442	R.EDGVIM*NDETVHQLC	2512.263	0.00688	3	1	32.7	0
P12163_1_F8,13546	R.EDGVIMNDETVHQLCI	2496.268	0.00445	3	1	24.4	0
P12163_1_F8,16036	R.EDGVIMNDETVHQLCI	2496.268	0.00319	3	1	42.4	0
P12163_2_S5,15038	R.EDGVIMNDETVHQLCI	2496.268	0.00622	3	1	55.6	0
P12163_2_S5,15067	R.EDGVIMNDETVHQLCI	2496.268	0.00527	4	1	26.6	0
P12163_1_F9,12474	R.HGLVQEVAK.A	1588.963	0.00637	2	1	33.4	0
P12163_1_F9,12479	R.HGLVQEVAK.A	1588.963	0.00619	3	1	30.4	0
P12163_1_S10,12730	R.HGLVQEVAK.A	1588.963	0.00532	3	1	33.3	0
P12163_2_F1,12824	K.ELEVEK.F	1354.804	0.0069	3	1	31.3	0
P12163_1_F8,19929	K.FITHTVPFSEINK.A	2141.221	0.00198	2	1	29	0
P12163_2_F6,19478	K.FITHTVPFSEINK.A	2141.221	-0.00191	2	1	47.2	0
P12163_2_F6,19530	K.FITHTVPFSEINK.A	2141.221	0.00279	4	1	22.5	0
P12163_1_F3,20583	K.INPLAPLDK.V	1588.988	0.00394	2	1	25.4	0
P12163_1_F9,14137	K.THPM*NLLNER.T	1544.816	0.00451	3	1	27.7	0
P12163_2_F7,10650	K.THPM*NLLNER.T	1544.816	0.00277	3	1	30.3	0
P12163_2_F7,12673	K.THPM*NLLNER.T	1544.816	0.00136	3	1	37.6	0
P12163_1_F9,14112	K.THPM*NLLNER.T	1528.821	0.00562	3	1	26.6	0
P12163_2_F7,12732	K.THPM*NLLNER.T	1528.821	0.00688	3	1	49.6	0

P12163_1_F3,15895	R.SDLPSVVEK.Y	1581.931	0.00646	3	1	31.5	0
P12163_1_F4,16302	R.SDLPSVVEK.Y	1581.931	0.0029	2	1	26.4	0
P12163_1_F4,16322	R.SDLPSVVEK.Y	1581.931	0.00475	3	1	31.4	0
P12163_2_F1,15493	R.SDLPSVVEK.Y	1581.931	0.00097	3	1	31.1	0
P12163_2_F1,15505	R.SDLPSVVEK.Y	1581.931	0.00488	2	1	32	0
P12163_1_F2,17507	K.DAANMLDIR.V	1322.704	0.00483	2	1	31.8	0
P12163_1_S1,16718	K.DAANMLDIR.V	1322.704	0.00435	2	1	27.9	0
P12163_1_F8,23606	K.IWELVQPHLK.T	1871.136	0.00123	3	1	36.6	0
P12163_1_F7,16465	R.HEEADSLYVEEVDVGI	2577.226	0.00443	3	1	76.1	0
P12163_2_F10,1585	R.HEEADSLYVEEVDVGI	2577.226	-0.00145	3	1	35.5	0
P12163_2_S5,16356	R.HEEADSLYVEEVDVGI	2577.226	0.00254	3	1	84.6	0
P12163_2_S5,16399	R.HEEADSLYVEEVDVGI	2577.226	0.00626	4	1	36.9	0
P12163_1_F4,19126	R.IICSGLVK.Y	1497.928	0.00206	2	1	24.7	0
P12163_1_F4,19157	R.IICSGLVK.Y	1497.928	-0.00015	3	1	25.2	0
P12163_2_F1,18370	R.IICSGLVK.Y	1497.928	-0.00196	2	1	23.9	0
P12163_1_F8,18835	R.SVVVLANLKPR.N	1804.163	0.00557	3	1	40.5	0
P12163_1_F8,18849	R.SVVVLANLKPR.N	1804.163	0.00578	2	1	31.1	0
P12163_2_F6,18371	R.SVVVLANLKPR.N	1804.163	0.00032	3	1	26.1	0
P12163_2_F6,18387	R.SVVVLANLKPR.N	1804.163	0.00246	2	1	37.3	0
P12163_2_F6,18459	R.SVVVLANLKPR.N	1804.163	0.00705	4	1	23.5	0
P12163_1_F4,18547	K.EAIAYGLADK.I	1658.957	0.00636	2	1	40.7	0
P12163_1_F4,18573	K.EAIAYGLADK.I	1658.957	0.0063	3	1	42.1	0
P12163_2_F1,17854	K.EAIAYGLADK.I	1658.957	0.00351	3	1	37.5	0
P12163_2_F4,16041	K.EAIAYGLADK.I	1658.957	0.00243	3	1	27	0
P12163_2_F9,16368	K.EAIAYGLADK.I	1658.957	0.00114	3	1	38.4	0
P12163_1_F3,15517	K.IIDSQDAAYEK.R	1861.016	0.00666	2	1	49.7	0
P12163_1_F3,15603	K.IIDSQDAAYEK.R	1861.016	0.00589	3	1	56.3	0
P12163_1_F3,15826	K.IIDSQDAAYEK.R	1861.016	0.01072	2	1	25.5	0
P12163_1_S1,14211	K.IIDSQDAAYEK.R	1861.016	0.00729	3	1	23.5	0
P12163_1_S1,19515	K.LYLPVVGR.S	1220.767	0.00149	3	1	36.4	0
P12163_1_F2,10087	R.EAGGPQAAPSGFR.-	1548.807	0.00301	3	1	32.9	0
P12163_1_F2,11252	R.EAGGPQAAPSGFR.-	1548.807	-0.00195	2	1	26.5	0
P12163_1_F2,11290	R.EAGGPQAAPSGFR.-	1548.807	0.00307	3	1	52.7	0
P12163_1_F5,8512	R.GLQPNSTK.L	1539.895	0.00568	2	1	27.5	0
P12163_2_F2,9307	R.GLQPNSTK.L	1539.895	0.00326	2	1	32.2	0
P12163_1_F9,4203	K.EDDAAHDR.H	1232.581	0.00503	2	1	33.1	0
P12163_1_F9,4209	K.EDDAAHDR.H	1232.581	0.00202	3	1	45.8	0
P12163_2_F6,4601	K.EDDAAHDR.H	1232.581	0.0031	3	1	36.4	0
P12163_2_F7,4195	K.EDDAAHDR.H	1232.581	0.00385	3	1	46.6	0
P12163_1_F2,22582	K.LDGVVTLVDAK.H	1738.057	0.00638	3	1	41.1	0
P12163_1_F3,23383	K.LDGVVTLVDAK.H	1738.057	-0.0001	3	1	36.9	0
P12163_1_S1,21574	K.LDGVVTLVDAK.H	1738.057	-0.00181	3	1	32.3	0
P12163_1_F5,12080	K.NLNGQELEK.G	1652.943	0.00906	2	1	42.9	0
P12163_1_F7,19667	K.TTLLNHILTAEHGK.R	2156.265	0.00106	3	1	42.1	0
P12163_2_F10,1833	K.TTLLNHILTAEHGK.R	2156.265	0.01227	4	1	33.9	0
P12163_2_F10,1844	K.TTLLNHILTAEHGK.R	2156.265	0.00619	3	1	34.3	0
P12163_2_F10,1860	K.TTLLNHILTAEHGK.R	2156.265	0.00143	4	1	38	0
P12163_1_F4,21600	R.MISELVSK.K ! -.MISEL	1514.907	0.00767	3	1	25.5	0
P12163_2_F1,21147	R.MISELVSK.K ! -.MISEL	1514.907	0.00839	3	1	26.1	0
P12163_2_F1,21170	R.MISELVSK.K ! -.MISEL	1514.907	0.00809	2	1	30.4	0
P12163_1_F8,16438	K.GTVDFGFSHVM*FATGI	1901.948	0.0079	3	1	23.1	0

P12163_2_F6,15921	K.GTVDGFSHVM*FATGI	1901.948	-0.00296	3	1	27.9	0
P12163_1_F8,18759	K.GTVDGFSHVMFATGR	1885.953	-0.00323	3	1	32.1	0
P12163_1_F8,18810	K.GTVDGFSHVMFATGR	1885.953	0.00258	2	1	35.4	0
P12163_2_S5,13730	K.IVDPHTVDVDGK.L	1903.075	0.00677	3	1	27.5	0
P12163_2_S5,13771	K.IVDPHTVDVDGK.L	1903.075	0.0036	2	1	50	0
P12163_1_F4,20096	K.LLVYASK.F	1401.893	0.01069	2	1	28.6	0
P12163_2_F1,19484	K.LLVYASK.F	1401.893	0.00593	2	1	31	0
P12163_2_F1,19565	K.LLVYASK.F	1401.893	0.00346	3	1	31.5	0
P12163_1_F8,17922	R.GIEFHTEESPQAILK.S	2307.28	0.00316	3	1	48.6	0
P12163_1_F8,17937	R.GIEFHTEESPQAILK.S	2307.28	0.00221	4	1	29	0
P12163_1_F8,17949	R.GIEFHTEESPQAILK.S	2307.28	0.00468	2	1	36.8	0
P12163_2_F6,17435	R.GIEFHTEESPQAILK.S	2307.28	0.00325	3	1	48.3	0
P12163_2_F6,17480	R.GIEFHTEESPQAILK.S	2307.28	0.00453	4	1	26.5	0
P12163_1_F2,24506	R.INLTPVALM*EGGALA	2222.304	0.00585	3	1	59.8	0
P12163_2_F4,7045	K.AGNAYHK.F	1368.784	0.00576	3	1	24.5	0
P12163_1_F8,17959	K.GVVAEIIHDPGR.G	1566.891	0.00011	3	1	41.7	0
P12163_1_F8,17999	K.GVVAEIIHDPGR.G	1566.891	0.00259	2	1	63.2	0
P12163_2_F6,17467	K.GVVAEIIHDPGR.G	1566.891	-0.00316	3	1	49.2	0
P12163_2_S5,16609	K.GVVAEIIHDPGR.G	1566.891	0.00149	3	1	42.8	0
P12163_2_S5,16643	K.GVVAEIIHDPGR.G	1566.891	-0.00213	2	1	25.6	0
P12163_1_F6,15544	R.ASGDYAVIISHNPDND	2350.158	0.00329	3	1	59.2	0
P12163_1_F7,14710	R.ASGDYAVIISHNPDND	2350.158	0.01163	3	1	49.4	0
P12163_2_F4,14360	R.ASGDYAVIISHNPDND	2350.158	0.00449	3	1	54.2	0
P12163_1_F5,7431	R.GQAAATAAK.A	1396.837	0.00072	3	1	40.7	0
P12163_2_F2,8327	R.GQAAATAAK.A	1396.837	0.00507	3	1	40.9	0
P12163_1_F8,16311	R.SIPEGAVVCNVEHHVC	2279.15	0.00235	4	1	29.9	0
P12163_2_F10,1519	R.SIPEGAVVCNVEHHVC	2279.15	0.00195	4	1	66.4	0
P12163_2_F10,1520	R.SIPEGAVVCNVEHHVC	2279.15	0.00623	3	1	67.1	0
P12163_1_S1,18766	K.APIYLYINSTGTTR.D	1874.032	0.00047	3	1	41	0
P12163_1_S1,20110	K.APIYLYINSTGTTR.D	1874.032	-0.00481	3	1	42.5	0
P12163_2_F6,20623	K.APIYLYINSTGTTR.D	1874.032	0.0044	2	1	43.8	0
P12163_1_F4,17339	K.EFGVIDK.V	1415.835	0.00575	2	1	33.8	0
P12163_1_F4,17344	K.EFGVIDK.V	1415.835	0.00638	3	1	24.7	0
P12163_1_F5,16047	K.EFGVIDK.V	1415.835	0.00381	2	1	32.3	0
P12163_1_F5,16076	K.EFGVIDK.V	1415.835	0.0104	3	1	29.9	0
P12163_1_F6,16638	K.EFGVIDK.V	1415.835	0.00795	2	1	31.4	0
P12163_2_F1,16495	K.EFGVIDK.V	1415.835	0.00483	2	1	33.6	0
P12163_1_F9,10974	K.HTGNSEEFVTK.T	1856.996	0.00048	3	1	31.9	0
P12163_1_F9,10988	K.HTGNSEEFVTK.T	1856.996	0.0048	3	1	33.8	0
P12163_1_S1,17301	R.GQETIM*AEVAPPEEW	2554.295	0.00932	3	1	35.1	0
P12163_1_S1,19956	R.GQETIMAEVAPPEEWI	2538.301	0.00515	3	1	40.4	0
P12163_2_S3,16310	R.SATYNEHRPDTPPDL	2987.564	0.00877	4	1	36.2	0
P12163_1_F9,12312	K.APSSEYVNVSR.W	1512.796	0.0027	2	1	33.8	0
P12163_1_F2,18342	K.DDITVYSALSK.A	1820.026	0.00558	2	1	43.7	0
P12163_1_F3,18932	K.DDITVYSALSK.A	1820.026	0.00562	2	1	41.9	0
P12163_1_F3,18954	K.DDITVYSALSK.A	1820.026	-0.00096	3	1	32.9	0
P12163_1_F9,15032	K.HIDALLR.I	1141.699	0.00447	3	1	25.2	0
P12163_1_F4,18742	K.LAPVGYGIK.K	1525.956	0.00609	3	1	22.9	0
P12163_2_F1,17987	K.LAPVGYGIK.K	1525.956	0.00495	3	1	25.2	0
P12163_2_F1,18002	K.LAPVGYGIK.K	1525.956	0.00339	2	1	26.6	0
P12163_2_F9,15930	K.LAPVGYGIK.K	1525.956	0.00207	3	1	22	0

P12163_1_F4,14652	R.SYITGYQASK.D	1725.963	0.00941	2	1	48.2	0
P12163_1_F4,14664	R.SYITGYQASK.D	1725.963	0.00653	3	1	30	0
P12163_1_F5,13417	R.SYITGYQASK.D	1725.963	0.00685	2	1	32.6	0
P12163_2_F1,13622	R.SYITGYQASK.D	1725.963	0.00371	2	1	44.5	0
P12163_2_F1,13659	R.SYITGYQASK.D	1725.963	0.00479	3	1	32.8	0
P12163_1_F6,22778	K.DPFLNLHPEVSLLR.G	1954.106	-0.00004	3	1	29	0
P12163_1_F2,10975	K.VIGVGGGGSNAVNR.M	1560.876	-0.00171	3	1	58.9	0
P12163_1_F2,12890	K.VIGVGGGGSNAVNR.M	1560.876	0.00278	2	1	61.3	0
P12163_1_F2,12907	K.VIGVGGGGSNAVNR.M	1560.876	0.00051	3	1	102	0
P12163_1_F3,5887	R.GEGTNTISNPR.K	1449.76	0.00241	3	1	28.3	0
P12163_1_F3,8348	R.GEGTNTISNPR.K	1449.76	0.00462	2	1	42.5	0
P12163_2_F1,7974	R.GEGTNTISNPR.K	1449.76	0.00438	2	1	31.2	0
P12163_1_F4,16085	R.GLGAGGNPEIGM*NA/	2081.127	0.00497	3	1	56.3	0
P12163_1_F3,15527	R.GLGAGGNPEIGMNAA	2065.132	0.0051	2	1	70.2	0
P12163_1_F4,16035	R.GLGAGGNPEIGMNAA	2065.132	0.01019	3	1	57.3	0
P12163_1_F4,16060	R.GLGAGGNPEIGMNAA	2065.132	-0.00042	2	1	54.4	0
P12163_2_F1,15262	R.GLGAGGNPEIGMNAA	2065.132	0.00452	2	1	71	0
P12163_1_F2,15851	R.LQIGQELTR.G	1361.805	0.00375	3	1	34.7	0
P12163_1_F2,16088	R.LQIGQELTR.G	1361.805	0.00078	3	1	33.7	0
P12163_1_S10,1327	K.GYFEDR.R	1090.547	0.0039	2	1	24.1	0
P12163_2_F1,11742	K.GYFEDR.R	1090.547	0.00304	2	1	43.9	0
P12163_1_F6,11719	R.DIVNSHYK.A	1583.9	0.00662	3	1	44.6	0
P12163_1_F9,11605	R.DIVNSHYK.A	1583.9	0.00749	2	1	30.4	0
P12163_2_F7,10740	R.DIVNSHYK.A	1583.9	0.00314	3	1	30.9	0
P12163_2_F7,10763	R.DIVNSHYK.A	1583.9	0.00689	2	1	34.7	0
P12163_1_F8,18025	R.HETADINTFSWGVANI	2122.062	0.00768	3	1	38.9	0
P12163_2_F6,17492	R.HETADINTFSWGVANI	2122.062	0.00666	3	1	32.6	0
P12163_1_F4,8449	R.HGEHIAAYGEGNER.R	1843.899	0.00281	3	1	44.8	0
P12163_1_F6,8330	R.HGEHIAAYGEGNER.R	1843.899	0.00068	3	1	25.7	0
P12163_2_F7,7480	R.HGEHIAAYGEGNER.R	1843.899	0.0017	3	1	27	0
P12163_2_S3,7838	R.HGEHIAAYGEGNER.R	1843.899	0.00374	3	1	37.6	0
P12163_1_F2,10888	R.TLPAPTTDPTK.L	1750.021	-0.0022	3	1	22.4	0
P12163_1_F2,13225	R.TLPAPTTDPTK.L	1750.021	0.00733	2	1	34.1	0
P12163_1_F2,6539	K.GSTFHR.V ! K.GSTFHR	1008.553	0.00449	3	1	33.1	0
P12163_1_F4,6988	K.GSTFHR.V ! K.GSTFHR	1008.553	0.00467	3	1	26.4	0
P12163_2_S3,6565	K.GSTFHR.V ! K.GSTFHR	1008.553	0.00554	3	1	29.5	0
P12163_1_S10,1275	K.HVVFGK.V ! R.HVVFG	1294.809	0.00417	3	1	30.5	0
P12163_2_F8_1207	K.HVVFGK.V ! R.HVVFG	1294.809	0.00426	3	1	27	0
P12163_1_F4,7410	K.TAENFR.Q ! K.TAENFR	1041.563	0.00249	3	1	33.7	0
P12163_2_F2,7039	K.TAENFR.Q ! K.TAENFR	1041.563	0.00225	3	1	31.4	0
P12163_2_F1,17582	K.VVDGYSVIK.D	1587.957	0.00296	2	1	30.4	0
P12163_1_F5,9906	R.ALCTGEK.G	1386.787	0.00705	2	1	26.7	0
P12163_1_F6,10902	R.ALCTGEK.G	1386.787	0.01195	2	1	26.2	0
P12163_1_F8,10102	R.ALCTGEK.G	1386.787	0.00237	2	1	27.1	0
P12163_2_F2,10720	R.ALCTGEK.G	1386.787	0.00655	2	1	27	0
P12163_2_F2,10838	R.ALCTGEK.G	1386.787	0.00185	3	1	29.9	0
P12163_2_F2,11178	R.ALCTGEK.G	1386.787	0.00683	2	1	26.2	0
P12163_1_F2,17937	K.AAALNAGSEAPTIFDK	2184.212	0.00598	3	1	34	0
P12163_1_F3,18421	K.AAALNAGSEAPTIFDK	2184.212	0.00775	3	1	45.4	0
P12163_1_F3,20079	K.AAALNAGSEAPTIFDK	2184.212	0.00196	2	1	88.6	0
P12163_1_F3,20093	K.AAALNAGSEAPTIFDK	2184.212	0.00655	3	1	80	0

P12163_1_F3,17736	K.EIPSSIVYEDEK.V	2017.095	0.01319	3	1	30.9	0
P12163_1_F3,17740	K.EIPSSIVYEDEK.V	2017.095	0.00768	2	1	48.4	0
P12163_2_F1,14457	R.DGLTTLAK.A	1426.873	0.00682	3	1	26.9	0
P12163_1_F7,18989	R.DINPQAPVHVLIIPK.F	2262.379	0.00465	3	1	36.6	0
P12163_1_F7,19036	R.DINPQAPVHVLIIPK.F	2262.379	0.0024	2	1	29	0
P12163_2_S5,17630	R.DINPQAPVHVLIIPK.F	2262.379	0.00675	3	1	42.5	0
P12163_1_F6,18580	R.HGDILGHLLCASK.I	2029.147	0.00701	3	1	26	0
P12163_1_F6,18603	R.HGDILGHLLCASK.I	2029.147	0.00365	4	1	27.6	0
P12163_1_F7,17759	R.HGDILGHLLCASK.I	2029.147	0.0014	3	1	40.6	0
P12163_2_F10,1486	K.RQESEGRPLQASQLA	3132.609	-0.00154	4	1	45.3	0
P12163_1_F2,19767	R.AIM*ANAGSSLM*GIG	2391.283	0.00499	3	1	50.3	0
P12163_1_F2,21024	R.AIMANAGSSLMGIGTA	2359.293	0.00094	3	1	96.5	0
P12163_1_F2,11798	R.AVQAQEGIASLR.D	1546.885	0.00476	3	1	56.2	0
P12163_1_F2,15738	R.AVQAQEGIASLR.D	1546.885	0.00592	2	1	29.9	0
P12163_1_F2,15989	R.AVQAQEGIASLR.D	1546.885	-0.00282	2	1	24.9	0
P12163_1_S1,15419	R.AVQAQEGIASLR.D	1546.885	0.0035	2	1	30.5	0
P12163_1_F2,19864	R.DNVDTLIVIPNDK.L	2064.18	0.00445	2	1	27.3	0
P12163_1_F2,19878	R.DNVDTLIVIPNDK.L	2064.18	0.00644	3	1	27.2	0
P12163_1_S1,18586	R.DNVDTLIVIPNDK.L	2064.18	0.00464	3	1	42.7	0
P12163_1_S1,18676	R.DNVDTLIVIPNDK.L	2064.18	0.00299	2	1	55.4	0
P12163_1_F6,17338	R.QEESGRPLQASQLAQ	2976.508	-0.00015	3	1	51.6	0
P12163_1_F6,17352	R.QEESGRPLQASQLAQ	2976.508	0.00512	4	1	54	0
P12163_1_F2,14883	K.EAAVVDVPEPEK.I	1891.063	0.00239	3	1	50.6	0
P12163_1_F2,14890	K.EAAVVDVPEPEK.I	1891.063	0.00043	2	1	55.3	0
P12163_1_S1,14083	K.EAAVVDVPEPEK.I	1891.063	0.00398	3	1	36.9	0
P12163_1_F9,6662	K.GCTHQVENGD.K.F	1852.943	0.01634	3	1	24.5	0
P12163_2_F4,13058	K.GHISYYVTGK.E	1732.984	0.00476	2	1	40	0
P12163_2_F4,13078	K.GHISYYVTGK.E	1732.984	0.00153	3	1	36.3	0
P12163_2_S5,13547	K.GHISYYVTGK.E	1732.984	0.00321	3	1	32.3	0
P12163_1_F3,25094	K.NLLFALTVEPSNVK.L	2153.279	0.00479	3	1	50.7	0
P12163_1_F4,15777	K.VYGGSLDNVK.G	1659.953	0.00363	2	1	38	0
P12163_1_F9,15099	K.VYGGSLDNVK.G	1659.953	0.01793	2	1	30.4	0
P12163_2_F1,14950	K.VYGGSLDNVK.G	1659.953	0.00639	2	1	28.4	0
P12163_2_F1,14989	K.VYGGSLDNVK.G	1659.953	0.0067	3	1	26.9	0
P12163_2_F8_12070	K.VYGGSLDNVK.G	1659.953	0.00751	3	1	41.8	0
P12163_1_F7,19852	K.AYLAGFAM*PHDAPLI	2502.298	0.0033	3	1	25.6	0
P12163_1_F7,21031	K.AYLAGFAM*PHDAPLI	2502.298	0.00841	3	1	34.5	0
P12163_1_F7,19373	K.AYLAGFAM*PHDAPLI	2486.303	0.007	3	1	27.6	0
P12163_2_S5,19050	K.AYLAGFAMPHDAPLE	2486.303	0.00442	3	1	21.9	0
P12163_2_S5,20252	K.AYLAGFAMPHDAPLE	2470.308	0.00321	4	1	37.4	0
P12163_1_F4,6304	R.GSAHTVVR.A	1130.658	0.00297	3	1	38.1	0
P12163_1_F7,17497	R.GYHM*VSGAVDVGLF	1928	0.00474	3	1	46.4	0
P12163_1_F4,17537	R.LPESCPTWAK.K	1796.982	0.00626	3	1	24.2	0
P12163_1_F4,17542	R.LPESCPTWAK.K	1796.982	0.0058	2	1	46.6	0
P12163_1_F2,7765	R.SAAVEDVAR.F	1221.674	0.00318	2	1	33.3	0
P12163_1_F2,11746	R.SAAVEDVAR.F	1221.674	0.00228	2	1	42.2	0
P12163_1_F2,11995	R.SAAVEDVAR.F	1221.674	0.00334	2	1	31.1	0
P12163_1_F4,22603	K.FGFDDAFNYK.E ! K.FC	1831.947	0.00457	2	1	40.1	0
P12163_1_F4,22629	K.FGFDDAFNYK.E ! K.FC	1831.947	0.00624	3	1	30.9	0
P12163_1_S1,21705	K.M*LDAVLLNMR.L ! K.	1495.828	0.00183	3	1	49	0
P12163_1_S1,21951	K.M*LDAVLLNMR.L ! K.	1495.828	0.00207	3	1	64	0

P12163_1_S1,22184	K.MLDAVLLNM*R.L ! K.	1495.828	0.00264	3	1	33.4	0
P12163_1_S1,22431	K.MLDAVLLNM*R.L ! K.	1495.828	-0.00063	3	1	30.8	0
P12163_2_F2,15643	K.NPQGLFK.I	1411.852	0.00852	3	1	24.6	0
P12163_1_F3,16690	K.VEEGSNAILVK.N	1767.047	-0.00435	2	1	39	0
P12163_2_F1,16351	K.VEEGSNAILVK.N	1767.047	0.00599	2	1	38.2	0
P12163_2_F1,16397	K.VEEGSNAILVK.N	1767.047	0.0022	3	1	23.4	0
P12163_1_F6,13419	K.VVDSGHPEFK.K	1722.963	0.00132	2	1	32.1	0
P12163_2_F6,12789	K.VVDSGHPEFK.K	1722.963	0.00755	3	1	23.3	0
P12163_2_F1,16921	K.FFETSAK.T	1437.82	0.00411	3	1	24.2	0
P12163_1_F4,17531	K.GQALADEYGIK.F	1773	0.00196	2	1	41.8	0
P12163_1_F3,20638	K.ILLIGDSGVGK.S ! K.LI	1680.052	0.00865	3	1	25.3	0
P12163_1_F3,22883	K.ILLIGDSGVGK.S ! K.LI	1680.052	0.00487	3	1	44.5	0
P12163_1_F3,22897	K.ILLIGDSGVGK.S ! K.LI	1680.052	0.00801	2	1	43.1	0
P12163_1_F6,21587	K.ILLIGDSGVGK.S ! K.LI	1680.052	0.00223	3	1	32.2	0
P12163_2_F4,20559	K.ILLIGDSGVGK.S ! K.LI	1680.052	0.00142	3	1	28.6	0
P12163_1_S1,9787	K.INQPDQAGGAAQAAQ	1899.994	0.01242	3	1	101	0
P12163_1_F4,19025	R.ADYDYLIK.L	1608.909	0.00914	2	1	38.6	0
P12163_1_F9,17542	R.ADYDYLIK.L	1608.909	0.0071	2	1	32.5	0
P12163_2_F1,18294	R.ADYDYLIK.L	1608.909	0.00259	3	1	24.4	0
P12163_2_F9,16809	R.ADYDYLIK.L	1608.909	0.00662	2	1	29.4	0
P12163_1_F5,15053	K.AFYEEV.K.R	1622.889	0.01122	2	1	34.6	0
P12163_1_F5,19414	K.AYLED FYK.F	1656.909	0.00997	3	1	31.5	0
P12163_1_F9,19135	K.AYLED FYK.F	1656.909	0.0115	3	1	29	0
P12163_1_F9,19180	K.AYLED FYK.F	1656.909	0.00698	2	1	25.6	0
P12163_2_F8_12070	K.AYLED FYK.F	1656.909	0.00376	3	1	29.9	0
P12163_2_F8_12070	K.AYLED FYK.F	1656.909	0.00134	2	1	36.2	0
P12163_2_F9,18285	K.AYLED FYK.F	1656.909	0.00306	2	1	30.1	0
P12163_2_S5,17977	K.AYLED FYK.F	1656.909	-0.00158	3	1	25.9	0
P12163_1_F4,18417	K.LSYGESQMLDK.A	1879.009	0.00667	2	1	52.3	0
P12163_2_F1,17670	K.LSYGESQMLDK.A	1879.009	0.0101	3	1	34.8	0
P12163_1_F9,19472	K.YPPYQSIFSK.L	1838.031	0.00748	3	1	26.7	0
P12163_2_F9,21880	R.VHDSVVFIF.-	1366.767	0.00272	2	1	35.2	0
P12163_2_F1,16921	K.FFETSAK.T	1437.82	0.00411	3	1	24.2	0
P12163_1_F4,17531	K.GQALADEYGIK.F	1773	0.00196	2	1	41.8	0
P12163_1_F3,20638	K.ILLIGDSGVGK.S ! K.LI	1680.052	0.00865	3	1	25.3	0
P12163_1_F3,22883	K.ILLIGDSGVGK.S ! K.LI	1680.052	0.00487	3	1	44.5	0
P12163_1_F3,22897	K.ILLIGDSGVGK.S ! K.LI	1680.052	0.00801	2	1	43.1	0
P12163_1_F6,21587	K.ILLIGDSGVGK.S ! K.LI	1680.052	0.00223	3	1	32.2	0
P12163_2_F4,20559	K.ILLIGDSGVGK.S ! K.LI	1680.052	0.00142	3	1	28.6	0
P12163_1_F3,27171	K.TNLNVEEVFFSIAK.D	2219.253	0.00567	3	1	44.7	0
P12163_1_F4,19025	R.ADYDYLIK.L	1608.909	0.00914	2	1	38.6	0
P12163_1_F9,17542	R.ADYDYLIK.L	1608.909	0.0071	2	1	32.5	0
P12163_2_F1,18294	R.ADYDYLIK.L	1608.909	0.00259	3	1	24.4	0
P12163_2_F9,16809	R.ADYDYLIK.L	1608.909	0.00662	2	1	29.4	0
P12163_1_F5,15388	K.IENLNQNIK.A	1694.006	0.0047	2	1	32.5	0
P12163_2_F2,16203	K.IENLNQNIK.A	1694.006	0.00328	2	1	33.4	0
P12163_2_F4,16477	K.RLDVDCIDL YYQHR.I	2170.102	0.00405	3	1	35.7	0
P12163_1_S1,14740	K.YIGLSEASASTIR.R	1671.922	0.00605	3	1	41	0
P12163_2_F6,17647	K.YIGLSEASASTIR.R	1671.922	-0.0009	2	1	24.8	0
P12163_1_F5,10587	R.AACEASLK.R	1457.824	0.01135	2	1	28	0
P12163_2_F2,11353	R.AACEASLK.R	1457.824	0.00721	2	1	24.6	0

P12163_2_F2,11399	R.AACEASLK.R	1457.824	0.00707	3	1	28.6	0
P12163_1_F2,22544	R.VPIEVTIGELK.K ! K.VI	1806.12	0.00667	3	1	36.1	0
P12163_1_F2,22596	R.VPIEVTIGELK.K ! K.VI	1806.12	0.00238	2	1	30	0
P12163_1_F3,23327	R.VPIEVTIGELK.K ! K.VI	1806.12	0.00628	3	1	27.1	0
P12163_1_F3,23328	R.VPIEVTIGELK.K ! K.VI	1806.12	0.00658	2	1	34.7	0
P12163_1_F4,23403	K.EEEYIEWFQK.A	2009.048	0.00623	3	1	24.7	0
P12163_2_F9,20428	K.EEEYIEWFQK.A	2009.048	0.01004	3	1	29	0
P12163_1_F7,15388	K.NVTILDQSPHQLAK.A	2172.26	0.00703	3	1	54.4	0
P12163_1_F8,16150	K.NVTILDQSPHQLAK.A	2172.26	-0.00434	2	1	61	0
P12163_1_F8,16179	K.NVTILDQSPHQLAK.A	2172.26	0.00556	3	1	63.9	0
P12163_2_F10,1451'	K.NVTILDQSPHQLAK.A	2172.26	0.00555	4	1	32.3	0
P12163_2_F6,15694	K.NVTILDQSPHQLAK.A	2172.26	0.00469	3	1	66	0
P12163_2_F8_12070	K.NVTILDQSPHQLAK.A	2172.26	0.00673	3	1	41.3	0
P12163_2_F9,11016	R.FIQHK.K	1280.793	0.00882	3	1	24.2	0
P12163_1_S1,20791	R.VVDVGGGTGFTTLGIV	2228.311	0.00387	4	1	40.1	0
P12163_1_S1,20813	R.VVDVGGGTGFTTLGIV	2228.311	0.00494	3	1	77.2	0
P12163_1_F8,20148	R.YVSAGSIEYWPDPQR.(	2072.039	0.00483	2	1	29.8	0
P12163_2_F2,18006	K.GFLLNK.T	1299.824	0.00688	2	1	29.7	0
P12163_2_F2,18054	K.GFLLNK.T	1299.824	0.00724	3	1	23.5	0
P12163_2_F1,12652	K.GITDVATNK.S	1526.9	0.00674	2	1	44.7	0
P12163_1_F7,19820	K.HEFEDYAVPVALVEN!	2336.182	0.00363	3	1	43.2	0
P12163_1_F7,19862	K.HEFEDYAVPVALVEN!	2336.182	-0.00392	2	1	32.4	0
P12163_1_F8,20833	K.HEFEDYAVPVALVEN!	2336.182	0.00111	3	1	32.9	0
P12163_2_F10,1825'	K.HEFEDYAVPVALVEN!	2336.182	0.00177	3	1	23.1	0
P12163_2_F10,1832	K.HEFEDYAVPVALVEN!	2336.182	0.00465	4	1	22.6	0
P12163_1_F3,24179	K.QENVNTLTILVMGK.G	2168.257	0.00425	3	1	31.8	0
P12163_1_F2,9400	K.SSTVNSVIGER.V	1452.796	0.0036	3	1	26.3	0
P12163_1_F3,14068	K.SSTVNSVIGER.V	1452.796	0.00162	2	1	25.3	0
P12163_2_F1,13559	K.SSTVNSVIGER.V	1452.796	0.00072	2	1	26.2	0
P12163_1_F4,15164	K.EELQQTIAK.H	1667.979	0.00647	2	1	34.1	0
P12163_1_S10,9056	K.HLATASA.-	974.5572	0.00276	2	1	33.4	0
P12163_1_F4,25563	K.LPNVLFLK.V	1552.008	0.00126	3	1	36.3	0
P12163_1_F4,25596	K.LPNVLFLK.V	1552.008	0.00528	2	1	29	0
P12163_2_F1,24873	K.LPNVLFLK.V	1552.008	0.00474	3	1	33.3	0
P12163_1_F4,16714	K.VDVDELK.S	1425.841	0.01205	2	1	28.1	0
P12163_1_F5,15198	K.VDVDELK.S	1425.841	0.00645	2	1	26.4	0
P12163_1_F7,14457	K.VDVDELK.S	1425.841	0.00482	3	1	24.3	0
P12163_1_F7,14461	K.VDVDELK.S	1425.841	0.00203	2	1	32	0
P12163_2_F4,14132	K.VDVDELK.S	1425.841	0.00116	3	1	22.1	0
P12163_1_F3,28761	R.FIAPFLAELAK.K	1828.119	0.00405	3	1	27.7	0
P12163_1_F8,12002	K.AIIVQPHR.V	1237.768	0.00296	3	1	40.4	0
P12163_2_F6,11743	K.AIIVQPHR.V	1237.768	0.00134	3	1	38.3	0
P12163_1_F2,23155	R.DPVPFFLAPK.V	1739.035	0.00838	3	1	27.5	0
P12163_1_F3,20943	R.IYVPPGIPVK.R	1691.072	0.00874	2	1	30.2	0
P12163_1_F3,20947	R.IYVPPGIPVK.R	1691.072	0.00782	3	1	29	0
P12163_1_F5,19747	R.VNVLFK.H	1327.856	0.00741	2	1	30.1	0
P12163_2_F2,20332	R.VNVLFK.H	1327.856	0.00423	2	1	34.2	0
P12163_2_F2,20369	R.VNVLFK.H	1327.856	0.00562	3	1	23.1	0
P12163_1_F3,9602	R.VSAANSRPPNPQ.-	1541.834	0.00478	2	1	42.5	0
P12163_1_F3,9835	R.VSAANSRPPNPQ.-	1541.834	0.0043	2	1	26.7	0
P12163_2_F1,9306	R.VSAANSRPPNPQ.-	1541.834	0.00324	2	1	34.2	0

P12163_1_F6,14260	K.HSFDTPLYR.F ! K.HSF	1439.758	0.00512	3	1	25.8	0
P12163_2_F9,13373	K.HSFDTPLYR.F ! K.HSF	1439.758	0.00347	3	1	29.8	0
P12163_2_F6,11058	K.LVHDQESLR.S	1400.78	0.00047	3	1	24.3	0
P12163_2_F7,10575	K.LVHDQESLR.S	1400.78	0.0011	3	1	31.4	0
P12163_1_F6,14197	K.SNSFVESVSHK.I ! R.SN	1829.001	0.00702	3	1	46.9	0
P12163_2_S3,12701	K.SNSFVESVSHK.I ! R.SN	1829.001	0.00432	3	1	28.2	0
P12163_1_F9,12391	R.DFEYSSEAQESR.N	1751.803	0.00167	2	1	28.1	0
P12163_1_S1,11331	R.DFEYSSEAQESR.N	1751.803	0.00417	3	1	40.8	0
P12163_1_S1,12448	R.DFEYSSEAQESR.N	1751.803	0.00427	2	1	51.5	0
P12163_1_F8,19899	R.EIVDGIHTLVAK.I	1903.147	0.00727	3	1	28.9	0
P12163_2_F6,19469	R.EIVDGIHTLVAK.I	1903.147	-0.00017	3	1	26.9	0
P12163_1_F2,15584	K.EAQLIDVR.E	1247.726	0.00281	2	1	30.5	0
P12163_2_F7,11237	K.M*QDPNFHK.E	1640.867	0.00128	3	1	23.2	0
P12163_1_F9,12135	K.MQDPNFHK.E	1624.873	0.00425	3	1	24.5	0
P12163_2_F7,11245	K.MQDPNFHK.E	1624.873	0.0059	3	1	22.3	0
P12163_2_F7,11252	K.MQDPNFHK.E	1624.873	0.00282	2	1	24.8	0
P12163_2_S5,18186	R.EASLLQDIQPGEHLK.K	2286.291	0.00313	3	1	36.8	0
P12163_1_F8,21835	R.EILVQHLLVK.E	1800.157	0.0067	3	1	23.9	0
P12163_1_F8,21838	R.EILVQHLLVK.E	1800.157	0.00605	2	1	56.3	0
P12163_1_F6,18331	R.VSQGEDLSDLAVEHSI	2779.439	0.00751	3	1	39.8	0
P12163_1_F7,17436	R.VSQGEDLSDLAVEHSI	2779.439	0.00967	3	1	56.7	0
P12163_2_F4,17079	R.VSQGEDLSDLAVEHSI	2779.439	0.00661	3	1	38.1	0
P12163_1_F3,23067	K.QTFSSLDDLLQK.S	2003.127	0.00686	3	1	55.1	0
P12163_1_F3,23082	K.QTFSSLDDLLQK.S	2003.127	0.00376	2	1	60.1	0
P12163_1_F2,12379	K.YPQIADTYR.I	1430.758	0.00165	3	1	40.5	0
P12163_1_F9,15226	K.YPQIADTYR.I	1430.758	0.00422	2	1	26.3	0
P12163_1_F5,16710	R.FEGAFSK.D	1393.794	0.00614	3	1	22.1	0
P12163_2_F1,16992	R.FEGAFSK.D	1393.794	0.00534	2	1	26	0
P12163_2_F2,17415	R.FEGAFSK.D	1393.794	0.01044	2	1	26.9	0
P12163_1_F3,28605	R.IEALPTFILFK.D	1900.177	0.00769	3	1	36.4	0
P12163_1_F4,16474	R.IENSLSVK.Q	1497.91	0.00066	2	1	26.4	0
P12163_1_F5,15220	R.IENSLSVK.Q	1497.91	0.00481	3	1	31.9	0
P12163_1_F5,15224	R.IENSLSVK.Q	1497.91	0.00526	2	1	29.9	0
P12163_1_F9,13758	K.EHLCVLK.D	1506.892	0.00774	3	1	30.4	0
P12163_1_F8,19960	K.LGVTQCTIAHALEK.T	2149.226	0.00151	3	1	33.7	0
P12163_2_F6,19583	K.LGVTQCTIAHALEK.T	2149.226	-0.00296	3	1	32.8	0
P12163_1_F8,19689	R.IQNLNSLQHVLK.K	1739.023	-0.00025	3	1	39.1	0
P12163_2_F6,19215	R.IQNLNSLQHVLK.K	1739.023	-0.00028	3	1	77.1	0
P12163_1_F6,13288	R.LDETLSAHR.N	1345.738	0.00401	3	1	32.2	0
P12163_2_F6,12631	R.LDETLSAHR.N	1345.738	-0.00118	3	1	30.7	0
P12163_1_F8,18653	R.VVHGIDVFDPK.F	1834.068	0.00211	2	1	51.7	0
P12163_2_F6,18164	R.VVHGIDVFDPK.F	1834.068	-0.00249	2	1	46.8	0
P12163_2_F6,18174	R.VVHGIDVFDPK.F	1834.068	0.00542	3	1	40.2	0
P12163_2_F6,18448	R.VVHGIDVFDPK.F	1834.068	0.00617	3	1	22.2	0
P12163_1_F4,11971	K.GASSVEGVEAK.L	1641.927	0.00888	2	1	58.5	0
P12163_1_F4,12011	K.GASSVEGVEAK.L	1641.927	0.0117	3	1	45.7	0
P12163_2_F1,11138	K.GASSVEGVEAK.L	1641.927	0.00482	2	1	44.3	0
P12163_1_S1,10018	K.GGSPYGAGTFAGDGS	1760.851	0.00402	3	1	40.5	0
P12163_1_S1,10695	K.GGSPYGAGTFAGDGS	1760.851	0.00423	3	1	51	0
P12163_1_S1,12575	K.GGSPYGAGTFAGDGS	1760.851	-0.00066	2	1	24.8	0
P12163_1_F9,11701	K.HIAGIAK.K	1317.846	0.00923	3	1	31.7	0

P12163_1_S10,1181	K.HIAGIAK.K	1317.846	0.01154	3	1	33.7	0
P12163_2_F8_12070	K.HIAGIAK.K	1317.846	0.00062	3	1	31.5	0
P12163_2_F1,22331	R.FGMMAAQFK.A	1638.896	0.00622	2	1	31.3	0
P12163_2_F6,17785	R.QPTELELEQAFHQGK.I	2363.281	-0.00167	3	1	37.7	0
P12163_1_F3,19176	K.ATIGADFITK.E ! K.ATI	1644.978	0.00716	3	1	22.9	0
P12163_1_F4,20773	K.ATIGADFITK.E ! K.ATI	1644.978	0.00971	3	1	45.6	0
P12163_2_F1,20163	K.ATIGADFITK.E ! K.ATI	1644.978	0.00517	2	1	36	0
P12163_1_F3,24371	K.EGFNVEAAFECIAK.N	2193.147	0.00551	3	1	45.3	0
P12163_1_F3,12121	K.EVQFEDR.L	1226.632	0.00411	2	1	33.2	0
P12163_1_F3,19881	K.VIILGDSGVGK.T	1666.036	0.00775	2	1	52.3	0
P12163_1_F3,19960	K.VIILGDSGVGK.T	1666.036	0.00874	3	1	40.9	0
P12163_2_F2,19154	K.VIILGDSGVGK.T	1666.036	-0.00221	3	1	34.7	0
P12163_1_F4,18190	R.GNIPYFETSAK.E ! K.G	1835.016	0.00836	2	1	39	0
P12163_1_F4,18247	R.GNIPYFETSAK.E ! K.G	1835.016	0.00761	3	1	33	0
P12163_2_F1,17433	R.GNIPYFETSAK.E ! K.G	1835.016	0.00354	2	1	27.7	0
P12163_1_F4,22603	K.FGFDDAFNYK.E ! K.FC	1831.947	0.00457	2	1	40.1	0
P12163_1_F4,22629	K.FGFDDAFNYK.E ! K.FC	1831.947	0.00624	3	1	30.9	0
P12163_2_F1,16110	K.LAGCYVVGSAK.E	1877.041	0.005	3	1	28.9	0
P12163_2_F9,14893	K.LAGCYVVGSAK.E	1877.041	0.00401	3	1	39.9	0
P12163_1_S1,21705	K.M*LDAVLLNMR.L ! K.	1495.828	0.00183	3	1	49	0
P12163_1_S1,21951	K.M*LDAVLLNMR.L ! K.	1495.828	0.00207	3	1	64	0
P12163_1_S1,22184	K.MLDAVLLNM*R.L ! K.	1495.828	0.00264	3	1	33.4	0
P12163_1_S1,22431	K.MLDAVLLNM*R.L ! K.	1495.828	-0.00063	3	1	30.8	0
P12163_1_F6,11695	K.VLDSTHPK.Y	1504.894	0.006	3	1	22.6	0
P12163_1_F3,23098	R.VILSNYVTGFPK.E	1946.157	0.00062	2	1	61.2	0
P12163_1_F3,23103	R.VILSNYVTGFPK.E	1946.157	0.00515	3	1	65.8	0
P12163_1_F4,23403	K.EEEYIEWFQK.A	2009.048	0.00623	3	1	24.7	0
P12163_2_F9,20428	K.EEEYIEWFQK.A	2009.048	0.01004	3	1	29	0
P12163_1_F7,20821	K.IVEGDAEDLPFPTDYA	2327.134	0.00574	2	1	38.7	0
P12163_1_F7,15388	K.NVTILDQSPHQLAK.A	2172.26	0.00703	3	1	54.4	0
P12163_1_F8,16150	K.NVTILDQSPHQLAK.A	2172.26	-0.00434	2	1	61	0
P12163_1_F8,16179	K.NVTILDQSPHQLAK.A	2172.26	0.00556	3	1	63.9	0
P12163_2_F10,14511	K.NVTILDQSPHQLAK.A	2172.26	0.00555	4	1	32.3	0
P12163_2_F6,15694	K.NVTILDQSPHQLAK.A	2172.26	0.00469	3	1	66	0
P12163_2_F8_12070	K.NVTILDQSPHQLAK.A	2172.26	0.00673	3	1	41.3	0
P12163_2_F9,11016	R.FIQHK.K	1280.793	0.00882	3	1	24.2	0
P12163_1_F8,20148	R.YVSAGSIEYWPDPQR.(	2072.039	0.00483	2	1	29.8	0
P12163_1_S1,13819	K.DSLGAPLCPCR.H	1549.777	0.00212	3	1	43.6	0
P12163_1_S1,13994	K.DSLGAPLCPCR.H	1549.777	0.00824	2	1	41.6	0
P12163_1_S10,9209	K.GLADHK.D	1248.752	0.0092	3	1	26	0
P12163_2_F8_12070	K.GLADHK.D	1248.752	0.00404	3	1	23.1	0
P12163_1_F4,15834	K.SVTSVVIK.G	1440.925	0.00407	2	1	31.4	0
P12163_1_F4,15883	K.SVTSVVIK.G	1440.925	0.01133	3	1	26	0
P12163_2_F1,15095	K.SVTSVVIK.G	1440.925	0.00223	2	1	25.5	0
P12163_2_F9,15200	R.RSDTFFCVDK.S	1882.994	0.00576	3	1	30.7	0
P12163_1_F4,19102	R.SDTFFCVDK.S	1726.893	0.01181	2	1	28.3	0
P12163_1_F4,19122	R.SDTFFCVDK.S	1726.893	0.00617	3	1	23.3	0
P12163_2_F1,18323	R.SDTFFCVDK.S	1726.893	0.01071	2	1	24.9	0
P12163_1_F4,17430	K.AAEILAK.E	1323.846	0.0084	2	1	25	0
P12163_2_F1,16484	K.AAEILAK.E	1323.846	0.00602	3	1	22.6	0
P12163_2_F1,16523	K.AAEILAK.E	1323.846	0.00408	2	1	31.2	0

P12163_2_F2,16945	K.AAEILAK.E	1323.846	0.00431	3	1	22.4	0
P12163_1_F3,18053	K.DVTITAFSK.I	1589.936	0.01034	2	1	37.7	0
P12163_1_F2,19057	K.EGISAEVINLR.S	1504.864	0.00339	2	1	42.5	0
P12163_1_S1,18179	K.EGISAEVINLR.S	1504.864	0.00467	2	1	27.4	0
P12163_1_S1,19962	K.SNYMSSGQISVPIVFR.I	2089.105	0.00186	3	1	27.5	0
P12163_1_S1,21582	K.SNYMSSGQISVPIVFR.I	2089.105	-0.00215	2	1	37.6	0
P12163_1_S1,12063	K.VLSPYSEDAR.G	1527.796	0.00298	3	1	40.3	0
P12163_1_S1,14031	K.VLSPYSEDAR.G	1527.796	0.00293	2	1	32.4	0
P12163_1_F5,14043	K.CNMQIDPVK.Y	1712.928	0.00612	2	1	32.7	0
P12163_2_F1,14282	K.CNMQIDPVK.Y	1712.928	0.00232	2	1	29.2	0
P12163_1_F4,11528	K.GATVGDVAVK.K	1425.852	0.00848	2	1	36.5	0
P12163_1_F5,10212	K.GATVGDVAVK.K	1425.852	0.00752	2	1	33.2	0
P12163_1_F4,23394	K.SISSGFGVLLK.E	1716.052	0.00667	3	1	30.6	0
P12163_1_F4,23452	K.SISSGFGVLLK.E	1716.052	0.00557	2	1	51.7	0
P12163_2_F1,22856	K.SISSGFGVLLK.E	1716.052	0.00397	2	1	55.2	0
P12163_2_F1,22892	K.SISSGFGVLLK.E	1716.052	0.0046	3	1	43.1	0
P12163_1_F3,17306	K.YYSDIAGPEYAAK.Y	2056.085	0.00772	2	1	55	0
P12163_1_F5,14000	R.GLDGGLPK.F	1364.836	0.00779	2	1	27.5	0
P12163_2_F7,12252	K.GFHEQPPEIK.A	1790.006	0.00606	3	1	26.6	0
P12163_1_S1,20247	K.GLVDLGVTAIPR.F	1514.921	0.00355	3	1	53.7	0
P12163_1_F8,21081	K.GVSYISNIDLFHSAK.A	2188.222	0.00542	3	1	36.2	0
P12163_2_F6,20705	K.GVSYISNIDLFHSAK.A	2188.222	0.00242	3	1	67.7	0
P12163_1_F7,20669	R.DSLYGPFPELISPEKPA	2624.454	0.00425	3	1	36.9	0
P12163_1_F7,20790	R.DSLYGPFPELISPEKPA	2624.454	0.00459	4	1	25.8	0
P12163_2_F10,18921	R.DSLYGPFPELISPEKPA	2624.454	0.00407	3	1	27.1	0
P12163_2_S5,19964	R.DSLYGPFPELISPEKPA	2624.454	0.00351	4	1	30.7	0
P12163_2_S5,19971	R.DSLYGPFPELISPEKPA	2624.454	0.00491	3	1	51.9	0
P12163_2_F7,11940	R.QFTHTDYITR.F	1585.828	0.00163	3	1	24.2	0
P12163_1_S1,23328	K.AFADEIGIPFMETSAK.	2335.246	0.00446	4	1	34.4	0
P12163_1_S1,23426	K.AFADEIGIPFMETSAK.	2335.246	0.00995	3	1	52.5	0
P12163_2_F1,10503	K.CDLTANK.V	1429.793	0.00687	2	1	25.9	0
P12163_1_F3,20638	K.ILLIGDSGVGK.S ! K.LI	1680.052	0.00865	3	1	25.3	0
P12163_1_F3,22883	K.ILLIGDSGVGK.S ! K.LI	1680.052	0.00487	3	1	44.5	0
P12163_1_F3,22897	K.ILLIGDSGVGK.S ! K.LI	1680.052	0.00801	2	1	43.1	0
P12163_1_F6,21587	K.ILLIGDSGVGK.S ! K.LI	1680.052	0.00223	3	1	32.2	0
P12163_2_F4,20559	K.ILLIGDSGVGK.S ! K.LI	1680.052	0.00142	3	1	28.6	0
P12163_2_F1,13248	K.VVSYETAK.A	1504.883	0.00458	2	1	30.8	0
P12163_2_F2,10327	R.YASENVNK.L	1532.853	0.0038	2	1	27.2	0
P12163_1_F3,14537	K.EIEQQLQTGTGGVK.F	2096.181	0.01281	3	1	33.6	0
P12163_1_F4,16756	K.ESGNDSDAFGFK.F	1881.944	0.00642	2	1	50.4	0
P12163_1_F4,16757	K.ESGNDSDAFGFK.F	1881.944	0.00548	3	1	33.3	0
P12163_1_F3,23799	K.IGSVTLTNILK.E	1767.12	0.00637	3	1	46	0
P12163_1_F4,24619	K.IGSVTLTNILK.E	1767.12	0.00572	2	1	58.1	0
P12163_1_F4,24653	K.IGSVTLTNILK.E	1767.12	0.00541	3	1	49.8	0
P12163_2_F1,23965	K.IGSVTLTNILK.E	1767.12	0.0043	3	1	42.7	0
P12163_2_F9,12975	K.RDDLSGMQLSGNK.V	2029.096	0.00237	3	1	27.9	0
P12163_1_F8,19278	R.LVGAHIELISK.E	1788.12	0.00256	3	1	22.4	0
P12163_2_F6,19036	R.LVGAHIELISK.E	1788.12	0.00051	3	1	31.4	0
P12163_1_F9,11655	K.KVDINDEAQK.E	2072.211	0.00367	3	1	34.8	0
P12163_1_F3,22949	K.MLVIGSEPPFK.V	1826.071	0.00625	2	1	25.1	0
P12163_1_F3,21246	K.NPLDLLPPSK.M	1702.036	0.00514	3	1	25.6	0

P12163_1_F3,21281	K.NPLDLLPPSK.M	1702.036	0.00288	2	1	36.8	0
P12163_1_F3,21436	K.NPLDLLPPSK.M	1702.036	0.00334	3	1	23.4	0
P12163_1_F6,20343	K.NPLDLLPPSK.M	1702.036	-0.00173	3	1	32.9	0
P12163_1_F6,16662	K.SFTSEFPHVER.Y	1639.838	0.00142	3	1	46.9	0
P12163_1_F6,16666	K.SFTSEFPHVER.Y	1639.838	0.00492	2	1	29	0
P12163_2_F6,15966	K.SFTSEFPHVER.Y	1639.838	0.0031	3	1	33.2	0
P12163_1_F3,19567	K.YNDENTVSFVTLNK.V	2252.202	0.00169	2	1	34.6	0
P12163_2_F1,15352	K.DVNTAVATIK.T	1639.984	-0.00067	3	1	31.5	0
P12163_2_F1,15390	K.DVNTAVATIK.T	1639.984	0.01147	2	1	30.4	0
P12163_2_F1,20432	K.FDLMYSK.R	1511.839	0.00029	2	1	26.6	0
P12163_1_F3,23662	R.AVQFVDWCPTGFK.C	2163.152	0.00355	2	1	39.6	0
P12163_2_F1,16132	R.EDLAALEK.D	1496.878	0.00811	2	1	26.9	0
P12163_2_F1,16157	R.EDLAALEK.D	1496.878	0.00627	3	1	26.3	0
P12163_1_F8,19059	R.QLFHPEQLISGK.E	2005.169	0.01053	2	1	40.3	0
P12163_1_F8,19062	R.QLFHPEQLISGK.E	2005.169	0.00359	3	1	36.2	0
P12163_2_F6,18606	R.QLFHPEQLISGK.E	2005.169	0.00245	3	1	37.5	0
P12163_2_F6,18623	R.QLFHPEQLISGK.E	2005.169	0.00461	2	1	41.9	0
P12163_1_F3,22457	K.IAALPIAYAK.S	1639.04	0.00602	3	1	35	0
P12163_1_F3,22464	K.IAALPIAYAK.S	1639.04	0.00288	2	1	47.8	0
P12163_2_F7,19462	K.IAALPIAYAK.S	1639.04	0.00438	2	1	34.4	0
P12163_2_F2,12055	K.QAALVNK.Q	1351.852	0.0043	3	1	29.1	0
P12163_1_F4,12771	R.CGEVCAEYAK.T	1794.897	0.00784	2	1	50	0
P12163_1_F5,11367	R.CGEVCAEYAK.T	1794.897	0.00482	2	1	48.9	0
P12163_2_F1,11785	R.CGEVCAEYAK.T	1794.897	0.00778	2	1	45.5	0
P12163_2_F8_12070	R.RTDELVDGPNASHITP'	2582.348	-0.01161	4	1	37.7	0
P12163_1_F6,17226	R.TDELVDGPNASHITPT.	2426.246	0.00002	3	1	45.3	0
P12163_2_F4,15962	R.TDELVDGPNASHITPT.	2426.246	-0.00145	3	1	29.9	0
P12163_2_S3,7087	K.DYQSDHK.F	1500.79	0.00535	3	1	25	0
P12163_2_S5,7516	K.DYQSDHK.F	1500.79	0.00472	3	1	26.1	0
P12163_1_S1,17864	K.FTITTYSPITGVAITSSG'	2540.407	0.00544	3	1	54.7	0
P12163_1_S1,18979	K.FTITTYSPITGVAITSSG'	2540.407	0.01063	3	1	72.1	0
P12163_1_F4,17061	K.GPGLYTDIGK.K	1628.947	0.01266	3	1	28	0
P12163_1_F9,16030	K.GPGLYTDIGK.K	1628.947	0.00861	3	1	33.1	0
P12163_2_F4,14705	K.GPGLYTDIGK.K	1628.947	0.0126	3	1	23	0
P12163_2_F1,18863	K.TIISFK.S ! K.TILSFK.V	1316.84	0.00242	2	1	25.5	0
P12163_1_F8,19767	R.VNNAGIASALIQHEWF	2612.488	0.00844	4	1	51.6	0
P12163_2_F10,1756'	R.VNNAGIASALIQHEWF	2612.488	0.00252	4	1	55.2	0
P12163_1_F9,13741	K.FNVHYEK.A	1544.868	0.00488	2	1	24.6	0
P12163_2_S5,13260	K.FNVHYEK.A	1544.868	0.00648	3	1	22.4	0
P12163_1_S1,20841	K.ISDPESIAEVLK.Q	1909.11	0.00388	3	1	44.1	0
P12163_1_F5,22568	K.NFLWGF GDK.A	1691.937	0.00277	3	1	35.7	0
P12163_2_F1,23415	K.NFLWGF GDK.A	1691.937	0.00809	2	1	32.9	0
P12163_2_F1,23426	K.NFLWGF GDK.A	1691.937	0.00514	3	1	30.7	0
P12163_1_F7,15457	K.QVYADHATNVDTVFT	2141.093	0.00217	3	1	35.2	0
P12163_2_F10,1488'	K.QVYADHATNVDTVFT	2141.093	0.00376	3	1	39.3	0
P12163_2_F4,15094	K.QVYADHATNVDTVFT	2141.093	0.00187	3	1	32.4	0
P12163_1_F3,22483	R.CQMNGVPICLIYGK.E	2261.206	0.01448	3	1	26.3	0
P12163_1_F2,19266	K.AM*EVAEELR.A	1367.714	0.00245	2	1	36.2	0
P12163_2_F1,19048	K.AMEVAEELR.A	1351.719	0.00741	2	1	31.5	0
P12163_1_F9,18057	K.SYVAFYGV EK.A	1770.989	0.01009	2	1	37	0
P12163_1_F9,18073	K.SYVAFYGV EK.A	1770.989	0.00383	3	1	35.8	0

P12163_2_F1,18652	K.SYVAFYGVK.A	1770.989	0.01293	2	1	53.2	0
P12163_2_F1,18664	K.SYVAFYGVK.A	1770.989	0.00974	3	1	27.1	0
P12163_2_F9,17068	K.SYVAFYGVK.A	1770.989	0.00389	3	1	42.6	0
P12163_2_F7,16557	K.YPEQIYESMR.Y	1619.804	0.00481	2	1	39.7	0
P12163_1_F2,12579	R.EFSVVDSR.-	1242.663	0.00242	3	1	26	0
P12163_1_F2,18720	R.VIAEIAR.A	1075.678	0.00238	2	1	25.4	0
P12163_1_F4,18647	K.AVALEENALK.W	1665.999	0.00302	3	1	51.5	0
P12163_1_F4,16798	K.CLLEATAGPK.A	1667.961	0.00445	2	1	30	0
P12163_2_F1,15991	K.CLLEATAGPK.A	1667.961	0.00447	2	1	43.1	0
P12163_1_F3,19729	K.EIIDYMAK.I	1590.902	0.00096	3	1	23.8	0
P12163_1_F3,19736	K.EIIDYMAK.I	1590.902	0.00312	2	1	26	0
P12163_1_F4,20337	K.EIIDYMAK.I	1590.902	0.00192	3	1	25	0
P12163_2_F1,19724	K.EIIDYMAK.I	1590.902	0.00406	2	1	33.6	0
P12163_1_F2,23390	K.IVDLPDGFLEK.V	1854.083	0.00467	3	1	25.6	0
P12163_1_F2,20878	R.NIQAFVDEVR.R	1494.822	0.00844	2	1	36.7	0
P12163_1_F2,21271	R.NIQAFVDEVR.R	1494.822	0.00324	2	1	34.9	0
P12163_1_F4,18678	K.AIGIMQAAK.K	1510.923	0.00119	2	1	35	0
P12163_1_F4,18706	K.AIGIMQAAK.K	1510.923	0.00786	3	1	36	0
P12163_2_F1,17917	K.AIGIMQAAK.K	1510.923	0.00637	2	1	47.8	0
P12163_2_F1,17737	K.EVAALVEK.E	1466.904	-0.00042	2	1	35.7	0
P12163_1_F6,19302	K.GAFELITDESK.A	1818.01	-0.00163	3	1	28.9	0
P12163_1_S1,22901	K.GVFVTVVDLSEEK.G	2030.163	0.00795	3	1	39.2	0
P12163_1_F4,21052	R.ALSLALAGK.G	1451.941	0.01071	2	1	43.3	0
P12163_1_F4,21066	R.ALSLALAGK.G	1451.941	0.00498	3	1	33.4	0
P12163_2_F1,20470	R.ALSLALAGK.G	1451.941	0.00681	3	1	25.6	0
P12163_2_F1,20490	R.ALSLALAGK.G	1451.941	0.00765	2	1	40.7	0
P12163_1_F6,17607	K.IFVYESPHK.L	1727.994	0.00659	3	1	29.8	0
P12163_2_F6,16570	K.IFVYESPHK.L	1727.994	0.00542	3	1	33.9	0
P12163_1_F8,16196	R.ARPCELYVCNLPR.S	1952.015	0.00297	3	1	26.3	0
P12163_2_F6,15629	R.ARPCELYVCNLPR.S	1952.015	0.00819	3	1	24.8	0
P12163_2_F6,15662	R.ARPCELYVCNLPR.S	1952.015	0.00212	2	1	29	0
P12163_1_S1,15063	R.DAALSLNGTDFR.G	1583.833	0.00416	3	1	29.4	0
P12163_1_S1,17255	R.DAALSLNGTDFR.G	1583.833	0.00332	3	1	23.4	0
P12163_1_F3,11081	R.FGTVVSAR.V	1140.668	0.00775	3	1	28.4	0
P12163_1_F4,16715	R.NAEALISPPK.K	1647.989	0.0047	3	1	29.7	0
P12163_1_F4,16794	R.NAEALISPPK.K	1647.989	-0.00206	2	1	38.3	0
P12163_1_F2,19461	K.AINVDLLR.N	1217.752	0.00323	2	1	24.6	0
P12163_1_F4,5228	K.GSNPNAEDR.I	1263.623	0.00202	2	1	40	0
P12163_2_F1,4533	K.GSNPNAEDR.I	1263.623	0.0023	2	1	37.9	0
P12163_1_F4,25481	R.DLFEQLLK.H	1613.972	0.00794	2	1	40.7	0
P12163_1_F5,6090	R.NDAACQGK.G	1471.778	0.00928	2	1	33.9	0
P12163_2_F2,7011	R.NDAACQGK.G	1471.778	0.01058	2	1	33.6	0
P12163_1_F2,16965	R.NPDAVANDPTISFK.T	2097.144	0.00761	3	1	55.8	0
P12163_1_F2,16988	R.NPDAVANDPTISFK.T	2097.144	0.00519	2	1	36.8	0
P12163_1_S1,16063	R.NPDAVANDPTISFK.T	2097.144	0.00612	3	1	36	0
P12163_2_F1,23218	K.FSLPELTVK.V	1642.004	0.00511	2	1	38.1	0
P12163_1_F3,25593	K.VPALLILGEK.D	1661.082	0.00247	3	1	40.5	0
P12163_1_F3,25661	K.VPALLILGEK.D	1661.082	0.00476	2	1	67.7	0
P12163_2_F1,25573	K.VPALLILGEK.D	1661.082	0.00457	3	1	28.7	0
P12163_1_F3,14449	R.GYGLSDPPAEPEK.A !	1968.053	0.00574	2	1	29.5	0
P12163_1_F3,14469	R.GYGLSDPPAEPEK.A !	1968.053	0.01036	3	1	27.7	0

P12163_2_F7,14219	R.HQM*VAVAAAGFR.A	1577.852	-0.0011	3	1	31.1	0
P12163_1_F3,15114	R.SEIPIAPENK.E	1705.994	0.00427	2	1	30.7	0
P12163_1_F4,15434	R.SEIPIAPENK.E	1705.994	0.01151	2	1	24.2	0
P12163_1_F5,17885	R.DDPTVPDHSNTPFAT	2458.252	0.01037	3	1	24.5	0
P12163_1_F9,8025	R.GDQQHFVR.R	1290.686	0.00146	3	1	29.5	0
P12163_1_F3,17585	R.GPAEADELLSK.V	1737.984	0.00327	2	1	31.7	0
P12163_1_F5,14523	R.IDHYLGK.E	1453.862	0.00756	3	1	24.1	0
P12163_1_F6,15310	R.IDHYLGK.E	1453.862	0.0057	2	1	25.8	0
P12163_1_F6,15324	R.IDHYLGK.E	1453.862	0.00696	3	1	35.4	0
P12163_2_F9,14321	R.IDHYLGK.E	1453.862	0.0033	3	1	25.7	0
P12163_2_S5,14430	R.IDHYLGK.E	1453.862	0.00453	3	1	35.6	0
P12163_1_S1,16482	R.YQGVTIPEAYER.L	1729.906	0.00416	2	1	41.8	0
P12163_1_F4,22321	K.GILEQEIFK.R	1685.009	0.00717	2	1	41.3	0
P12163_2_F6,17829	K.HLIEAISEVR.T	1470.858	0.00008	3	1	51.7	0
P12163_2_F6,17847	K.HLIEAISEVR.T	1470.858	0.0011	2	1	27.5	0
P12163_1_F4,20839	K.IESVLASK.S	1454.904	0.00524	2	1	37.7	0
P12163_1_F4,20856	K.IESVLASK.S	1454.904	0.00592	3	1	35.4	0
P12163_1_F5,19684	K.IESVLASK.S	1454.904	0.00865	3	1	25.1	0
P12163_2_F1,20237	K.IESVLASK.S	1454.904	0.00472	3	1	37.1	0
P12163_1_F3,27173	K.LEGSLNLLAEFNK.A	2185.232	0.00343	3	1	33	0
P12163_1_F3,17204	R.AAESNVDSYNLGITK.I	2190.186	0.01017	3	1	58.3	0
P12163_1_F2,23422	K.AVVESVPLDSFLK.F	2012.189	0.00429	3	1	26.7	0
P12163_1_S1,22167	K.AVVESVPLDSFLK.F	2012.189	0.00951	3	1	27.9	0
P12163_1_S1,22267	K.AVVESVPLDSFLK.F	2012.189	0.0074	2	1	32.2	0
P12163_1_F3,20461	K.GITFFDTADK.Y	1722.952	0.00153	2	1	51	0
P12163_1_F4,20913	K.GITFFDTADK.Y	1722.952	0.00747	2	1	50.2	0
P12163_1_S10,9771	K.HAFSK.G	1197.72	0.00613	3	1	25.8	0
P12163_1_F3,20811	K.YGPYTNEILLGK.A	1976.131	0.00654	3	1	32.6	0
P12163_1_F4,21394	K.YGPYTNEILLGK.A	1976.131	0.00285	3	1	44.1	0
P12163_2_F1,11728	R.ENIQVATK.F	1510.905	0.00639	2	1	39.4	0
P12163_1_F3,24223	K.EGLVTLEEDLVK.L	1953.136	0.00219	2	1	69	0
P12163_1_F3,24247	K.EGLVTLEEDLVK.L	1953.136	0.00442	3	1	67.2	0
P12163_1_F3,21460	K.TVGNPSVFNFVK.D	2014.158	-0.00038	3	1	43.8	0
P12163_2_F1,21836	K.TVGNPSVFNFVK.D	2014.158	0.00778	3	1	36.4	0
P12163_2_F4,15457	K.YAAFSHCFR.T	1462.72	0.00412	3	1	27.3	0
P12163_1_F8,18466	R.FVHTLNATACAIPR.M	1875.021	0.0008	3	1	55.5	0
P12163_1_F8,18473	R.FVHTLNATACAIPR.M	1875.021	-0.0012	2	1	52.7	0
P12163_2_F6,18008	R.FVHTLNATACAIPR.M	1875.021	0.00224	3	1	56.3	0
P12163_1_F2,5537	R.TEAGAAGTATR.G	1309.701	0.00333	3	1	26.1	0
P12163_1_F4,13387	K.AASNQVDFQTK.A	1817.001	0.00624	3	1	42.3	0
P12163_1_F4,13401	K.AASNQVDFQTK.A	1817.001	0.00551	2	1	69.5	0
P12163_2_F1,12417	K.AASNQVDFQTK.A	1817.001	0.00105	2	1	52	0
P12163_1_F3,20347	K.DGLPTLLEK.M	1593.967	0.00344	2	1	29.3	0
P12163_2_F1,15756	K.GAWNETFDSSK.T	1849.954	0.0034	2	1	44	0
P12163_1_F4,22295	K.NLYVSSIFQK.S	1807.057	0.00558	3	1	49.5	0
P12163_1_F4,22298	K.NLYVSSIFQK.S	1807.057	0.00691	2	1	40.4	0
P12163_2_F1,21838	K.NLYVSSIFQK.S	1807.057	0.00588	3	1	30.3	0
P12163_1_F5,21616	K.NQFVSAFDGFK.V	1868.016	0.01008	3	1	33.4	0
P12163_1_F3,25398	K.GVPDFWLTAMK.N	1873.05	0.00876	3	1	30.2	0
P12163_1_F3,25407	K.GVPDFWLTAMK.N	1873.05	0.00672	2	1	26.9	0
P12163_1_F3,26393	K.LEFYDPNPYFK.N	2188.157	0.00768	3	1	29.7	0

P12163_2_F6,16263	K.LQNLAGQHSDVLEK.I	2160.223	0.00553	3	1	40.9	0
P12163_2_F6,16273	K.LQNLAGQHSDVLEK.I	2160.223	0.00504	4	1	30	0
P12163_1_S1,15300	K.NNDVLSEEITER.D	1722.881	0.00386	2	1	27.7	0
P12163_1_S1,15341	K.NNDVLSEEITER.D	1722.881	0.00662	3	1	55.6	0
P12163_1_F4,20678	R.ADLVGVLK.N	1422.914	0.00667	3	1	40.8	0
P12163_2_F1,20129	R.ADLVGVLK.N	1422.914	0.00541	3	1	37.1	0
P12163_1_F3,22575	K.FLDGIYVSEK.S ! K.FLI	1779.015	0.00558	2	1	37.4	0
P12163_1_F4,23334	K.FLDGIYVSEK.S ! K.FLI	1779.015	0.00486	3	1	38.4	0
P12163_1_F4,23410	K.FLDGIYVSEK.S ! K.FLI	1779.015	0.01024	2	1	29.4	0
P12163_1_S1,19122	K.TILSSETMDIPDGVK.V	2214.215	0.00614	3	1	35	0
P12163_2_F9,16897	R.KFLDGIYVSEK.S ! R.K	2211.315	0.01256	3	1	37.9	0
P12163_1_F5,12185	R.SAALINQK.C	1452.899	0.00968	2	1	36.7	0
P12163_2_F2,12993	R.SAALINQK.C	1452.899	0.00264	2	1	40.6	0
P12163_2_F2,13010	R.SAALINQK.C	1452.899	0.006	3	1	31.3	0
P12163_1_F8,19825	R.TALSHVGNLITGVTK.C	2119.27	0.00133	3	1	32.5	0
P12163_2_F1,14065	K.GLAFTENER.D	1340.711	0.00231	2	1	31.2	0
P12163_1_S1,20618	K.GQAIFASGSPFPDVEYI	2592.355	0.00809	3	1	46.6	0
P12163_1_F5,22987	K.IIEVLK.R ! K.ILEVLK.N	1322.887	0.00646	2	1	31.5	0
P12163_1_F5,7616	R.DAHYLR.G	1078.595	0.00146	3	1	22.8	0
P12163_1_S10,9764	R.DAHYLR.G	1078.595	0.00278	3	1	28.8	0
P12163_2_F4,8031	R.DAHYLR.G	1078.595	0.00242	3	1	36	0
P12163_1_S1,21512	R.ILGLGDLGCQGM*GIP	2409.345	0.00501	3	1	61.3	0
P12163_1_S1,23058	R.ILGLGDLGCQGMGIPV	2393.35	0.01315	4	1	40	0
P12163_1_S1,23069	R.ILGLGDLGCQGMGIPV	2393.35	0.00855	3	1	66.7	0
P12163_1_F2,17898	K.ALFSQITTR.F	1340.784	0.00195	3	1	22.7	0
P12163_2_F2,9507	K.NQIDAANK.A	1367.81	0.012	2	1	25.5	0
P12163_2_F2,9554	K.NQIDAANK.A	1367.81	0.00424	3	1	23.9	0
P12163_1_F2,9765	K.STVLVTGAGGR.T	1321.774	0.00287	3	1	47.5	0
P12163_1_F2,11592	K.STVLVTGAGGR.T	1321.774	0.00065	3	1	23.5	0
P12163_1_F8,19119	R.ELLVGKDELLQTETR	2467.386	0.00521	2	1	66.8	0
P12163_1_F8,19217	R.ELLVGKDELLQTETR	2467.386	0.00214	3	1	27.5	0
P12163_2_S5,17653	R.ELLVGKDELLQTETR	2467.386	0.00424	3	1	27.3	0
P12163_2_F2,12933	R.TGQIVYK.K	1416.867	0.0066	2	1	25.2	0
P12163_1_S1,23783	K.FLQAVGEAIPVR.D	1603.947	0.00235	2	1	40.3	0
P12163_2_F7,17002	K.KVLEIGIGTGPNLK.Y	2351.479	0.0077	3	1	37.4	0
P12163_1_F5,14270	K.SYAEVAGYK.S	1724.931	-0.00065	2	1	34	0
P12163_2_F1,14530	K.SYAEVAGYK.S	1724.931	0.00473	2	1	24.8	0
P12163_1_F3,20828	K.VLEIGIGTGPNLK.Y	1919.179	0.00893	3	1	24.8	0
P12163_1_F3,22530	K.VLEIGIGTGPNLK.Y	1919.179	0.007	2	1	68.7	0
P12163_1_F3,22592	K.VLEIGIGTGPNLK.Y	1919.179	0.00617	3	1	52.1	0
P12163_1_F3,22208	K.YAQTAAVAAGLPLTN	2344.348	0.00258	3	1	47.2	0
P12163_1_F3,23366	K.YAQTAAVAAGLPLTN	2344.348	0.00645	3	1	67.7	0
P12163_1_S1,19958	K.AVLAVADLER.K	1360.81	0.0027	3	1	59.7	0
P12163_1_S1,19998	K.AVLAVADLER.K	1360.81	0.00429	2	1	39.4	0
P12163_1_F4,20234	K.QQQILLATQVVK.M	1977.232	0.00387	3	1	29.7	0
P12163_2_F1,19697	K.QQQILLATQVVK.M	1977.232	0.00204	3	1	23.4	0
P12163_2_F1,19732	K.QQQILLATQVVK.M	1977.232	-0.00224	2	1	28.4	0
P12163_1_F4,24820	R.EQNVFETLIGK.Q	1886.084	-0.00221	3	1	23.1	0
P12163_1_F4,24879	R.EQNVFETLIGK.Q	1886.084	0.00696	2	1	47.9	0
P12163_1_S10,9691	R.GIHPIR.I	996.6256	0.00536	3	1	30.9	0
P12163_2_F7,12121	R.IAVEHLER.I	1270.742	0.00403	3	1	49.8	0

P12163_1_F4,17210	K.DLGLDVAK.G	1438.873	0.0055	2	1	37.9	0
P12163_1_F4,17213	K.DLGLDVAK.G	1438.873	-0.00083	3	1	25.8	0
P12163_1_F4,17495	K.DLGLDVAK.G	1438.873	0.00018	2	1	26.8	0
P12163_1_F5,8765	K.GTVNTEGSVK.Q	1599.916	0.01141	2	1	34.8	0
P12163_1_F3,27948	R.LGALIDTM*NALK.D !	1884.108	0.00351	3	1	28.3	0
P12163_1_F3,27942	R.LGALIDTMNALK.D ! R	1868.113	0.00534	3	1	37.2	0
P12163_1_F3,28117	R.LGALIDTMNALK.D ! R	1868.113	0.00333	3	1	48.9	0
P12163_1_F4,27323	R.LTIINLLK.Y	1650.077	0.00598	2	1	38.7	0
P12163_1_F3,10592	R.RPETDIDSY.-	1399.701	0.00289	2	1	27.7	0
P12163_1_F2,20073	K.FVPGVM*DTAVAK.H	1859.056	0.00223	3	1	42	0
P12163_2_F6,18686	K.LVFHALEER.K	1417.81	0.00114	3	1	29.7	0
P12163_2_F7,16751	K.LVFHALEER.K	1417.81	0.00031	3	1	42.3	0
P12163_1_S1,17450	K.VVVNAAGPFCDSVR.K	1794.947	-0.00156	2	1	32.4	0
P12163_1_F8,21084	R.IIEIM*ATEHK.W	1809.04	0.00847	3	1	22.2	0
P12163_1_F8,21082	R.IIEIMATEHK.W	1793.045	0.00316	3	1	27.2	0
P12163_2_F6,20685	R.IIEIMATEHK.W	1793.045	0.0016	3	1	29.1	0
P12163_1_S1,17173	R.NEYCESAVDFVAR.R	1863.885	0.00816	3	1	51.7	0
P12163_1_S1,17178	R.NEYCESAVDFVAR.R	1863.885	0.0054	2	1	32.6	0
P12163_2_F6,16407	K.IMVLDSHK.L	1550.918	-0.0007	3	1	42.9	0
P12163_1_F3,15746	R.GELATALR.K	1134.678	0.00291	2	1	26.9	0
P12163_2_F1,14759	R.GELATALR.K	1134.678	0.00115	2	1	25.1	0
P12163_1_F2,22732	R.LVVAPPNFVIK.I	1805.151	0.00302	3	1	27.5	0
P12163_1_F3,23564	R.LVVAPPNFVIK.I	1805.151	0.008	3	1	36.7	0
P12163_1_F3,23572	R.LVVAPPNFVIK.I	1805.151	0.00593	2	1	33.9	0
P12163_1_S1,17923	R.NGIPLTAAANFTR.C	1822.012	-0.00014	3	1	39.6	0
P12163_1_F4,22069	R.VQFTEFIQK.N	1748.02	0.01182	2	1	28.9	0
P12163_2_F1,21585	R.VQFTEFIQK.N	1748.02	0.00426	2	1	34.1	0
P12163_1_F3,21853	K.GQIFEPQLAFTSK.H	2074.179	0.00525	2	1	26	0
P12163_1_F3,21861	K.GQIFEPQLAFTSK.H	2074.179	0.00569	3	1	47.1	0
P12163_1_F4,21507	K.LFDSLAK.L	1401.856	0.01171	2	1	29	0
P12163_1_F4,21550	K.LFDSLAK.L	1401.856	0.00503	3	1	27.8	0
P12163_1_F5,20444	K.LFDSLAK.L	1401.856	0.00701	3	1	24.4	0
P12163_2_F1,20806	K.LFDSLAK.L	1401.856	0.00551	3	1	27.3	0
P12163_1_F5,12854	K.SSFDVGPK.L	1444.826	0.01099	2	1	26.7	0
P12163_1_S10,7836	R.AAHDVK.A	1248.752	0.00815	3	1	22	0
P12163_1_F8,20376	R.VTSEFSDSSIFLHK.I	2320.228	0.00543	3	1	46.4	0
P12163_1_F3,15474	K.AYEGVPAPYDK.V ! K.	1817.989	-0.00599	2	1	40	0
P12163_2_F1,15198	K.AYEGVPAPYDK.V ! K.	1817.989	0.00311	2	1	41.9	0
P12163_1_F5,10805	M.VSGSGICAK.R	1486.851	0.00859	2	1	36.7	0
P12163_1_F9,11893	R.GMIPHK.T	1290.781	-0.00883	3	1	25.8	0
P12163_2_F9,11176	R.GMIPHK.T	1290.781	0.01352	3	1	23	0
P12163_1_F2,22833	R.LGPQLEIIAPIK.Y	1900.209	0.00515	3	1	30.2	0
P12163_1_F3,20121	R.MVIPDALK.V	1494.917	0.00391	3	1	32.7	0
P12163_1_F3,20139	R.MVIPDALK.V	1494.917	0.00843	2	1	35.2	0
P12163_2_F1,20140	R.MVIPDALK.V	1494.917	0.0046	3	1	27.9	0
P12163_1_S1,19561	K.LADGLFLESCR.E	1584.836	0.00306	3	1	37.1	0
P12163_1_S1,21213	K.LADGLFLESCR.E	1584.836	0.0051	3	1	41.7	0
P12163_1_F9,9956	K.VTAVHK.A	1262.804	0.00766	3	1	26.4	0
P12163_1_F9,10800	K.YEVHGDMDK.R	1586.846	0.00301	2	1	32.2	0
P12163_2_F9,10652	K.YEVHGDMDK.R	1586.846	0.00633	2	1	29.1	0
P12163_2_F6,14992	R.HENVDIVVIR.E	1497.869	0.00084	3	1	34.3	0

P12163_1_F6,18250	R.HLQFPSFADR.L	1521.812	0.00216	3	1	24.8	0
P12163_1_F9,17645	R.HLQFPSFADR.L	1521.812	0.003	3	1	45.7	0
P12163_1_F3,16264	K.SGVEPSGCLELVK.H	1983.104	0.00514	3	1	26.6	0
P12163_1_F3,17773	K.SGVEPSGCLELVK.H	1983.104	0.00742	2	1	51.8	0
P12163_1_F3,17785	K.SGVEPSGCLELVK.H	1983.104	0.0031	3	1	43.7	0
P12163_1_F3,16055	K.VLVQVNTSGEESK.S	1998.133	-0.00425	2	1	51.2	0
P12163_1_F3,21683	R.CFGENYVQEIVEK.A	2223.158	0.00196	3	1	38.5	0
P12163_1_F4,22382	R.CFGENYVQEIVEK.A	2223.158	0.00757	3	1	38.1	0
P12163_1_F9,7426	R.QVYEAGHR.C	1263.675	0.00602	3	1	31.3	0
P12163_1_S10,6423	R.VHQAER.S	1114.627	0.00136	3	1	24.6	0
P12163_1_F3,14168	K.IDTVEAPSK.T	1567.915	0.00623	2	1	43.9	0
P12163_1_F7,19332	R.ADM*VIPVATVSGLHA	1957.084	0.00414	3	1	38	0
P12163_1_F7,19316	R.ADMVIPVATVSGLHA	1941.089	0.00282	3	1	38.5	0
P12163_1_F8,19231	R.ITFGDTHLAM*FR.V	1728.904	0.00067	3	1	37.9	0
P12163_2_F6,18715	R.ITFGDTHLAM*FR.V	1728.904	0.00466	3	1	32.5	0
P12163_1_F8,21325	R.ITFGDTHLAMFR.V	1712.91	0.00208	2	1	33.5	0
P12163_1_F8,14163	R.LRPGVVAVASPGSR.I	1670.001	0.00084	3	1	37.6	0
P12163_1_F7,20965	R.WLLQPVGDGDTSHIG	2478.36	0.00665	3	1	62.1	0
P12163_1_F4,23764	K.ALALDLQGFK.T	1684.025	0.0088	3	1	37.7	0
P12163_2_F1,23178	K.ALALDLQGFK.T	1684.025	0.00385	3	1	39	0
P12163_2_F1,23217	K.ALALDLQGFK.T	1684.025	0.00312	2	1	49.3	0
P12163_1_F3,22996	K.ALCLLGECYEVK.K	2063.113	0.00392	2	1	39.3	0
P12163_1_F4,23849	K.ALCLLGECYEVK.K	2063.113	0.01621	3	1	28.3	0
P12163_1_F9,13140	K.DAAAHILK.A	1446.889	0.00825	3	1	28.3	0
P12163_2_F1,8118	K.QAEAEADK.A	1469.806	0.0025	2	1	36.3	0
P12163_1_S1,22025	R.VDSAIDDLTEAVK.I	1984.106	0.00756	3	1	70.6	0
P12163_1_S1,13918	K.DITLQEVNR.V	1391.78	0.00173	3	1	46	0
P12163_1_F3,16228	K.DSGTAMLVGVVSSSK	2004.089	0.00577	2	1	24.1	0
P12163_1_F3,16251	K.DSGTAMLVGVVSSSK	2004.089	0.01079	3	1	31.8	0
P12163_1_F2,11312	K.VVGVGGGGNNAVNR	1573.871	0.0009	3	1	99.9	0
P12163_2_F1,11229	K.VVGVGGGGNNAVNR	1573.871	0.00879	2	1	26	0
P12163_1_F2,15821	R.GLGTGGNPLLGEQAAI	2436.319	0.01386	3	1	40.9	0
P12163_1_F2,17217	R.GLGTGGNPLLGEQAAI	2436.319	0.01287	3	1	32.6	0
P12163_2_S5,15168	R.GVPLPLNTPTSPSTVNS	2491.393	-0.00261	4	1	22.9	0
P12163_1_F2,12730	K.EGYAAIGGGSPLR.K	1551.843	0.00258	3	1	36	0
P12163_1_F2,15493	K.EGYAAIGGGSPLR.K	1551.843	0.00501	2	1	47.2	0
P12163_1_F4,14803	K.ITDEQAQALK.T	1725	0.0034	2	1	41.9	0
P12163_2_F1,13852	K.ITDEQAQALK.T	1725	-0.00048	2	1	37.7	0
P12163_1_F8,9304	K.NISQEDDHNPVR.Y	1727.861	0.00454	2	1	35.6	0
P12163_2_F6,9217	K.NISQEDDHNPVR.Y	1727.861	0.00224	2	1	33.4	0
P12163_1_F6,11126	R.GINNDHTLAYQSR.V	1792.924	0.00077	3	1	25.8	0
P12163_1_F3,24859	R.YWYYPFTEEAVQQIK.R	2410.29	0.01067	3	1	30.9	0
P12163_1_F7,19245	K.AVHLEPVPFDIER.D	1826.011	0.00137	3	1	33.2	0
P12163_1_F7,19265	K.AVHLEPVPFDIER.D	1826.011	0.00343	2	1	32.6	0
P12163_2_S5,18366	K.AVHLEPVPFDIER.D	1826.011	0.00257	3	1	21.9	0
P12163_2_S5,18404	K.AVHLEPVPFDIER.D	1826.011	0.00397	2	1	44.3	0
P12163_2_F1,16554	K.CLLESVNEK.L	1699.951	0.00121	2	1	29.8	0
P12163_1_F2,20410	K.EFILGELSR.V	1367.784	0.00214	3	1	30.6	0
P12163_2_F1,16693	K.GSTVFSGYK.R	1716.942	-0.00409	2	1	28.2	0
P12163_2_F2,14844	R.IYSGLNQK.I	1530.91	0.00253	2	1	34.8	0
P12163_1_F5,15639	K.NTSLEGIYK.S	1632.942	0.00642	2	1	28.8	0

P12163_1_F5,18142	K.SLNIFNSK.L	1530.91	0.00505	2	1	35.4	0
P12163_2_F2,18770	K.SLNIFNSK.L	1530.91	0.00686	3	1	22.2	0
P12163_1_S1,21499	R.AVTCEDFFAAMR.D	1721.829	0.01507	2	1	28.8	0
P12163_2_F1,20648	R.IWTPAQDLPK.T	1777.047	0.00735	2	1	25	0
P12163_1_F8,20029	R.LLDHPAFDLR.N	1500.848	0.00343	3	1	30.9	0
P12163_2_F6,19535	R.LLDHPAFDLR.N	1500.848	0.00235	3	1	23.5	0
P12163_2_F6,19546	R.LLDHPAFDLR.N	1500.848	0.00159	2	1	29.9	0
P12163_1_F8,17539	K.ADGFAFVPEHK.Y ! f	1883.027	0.01005	3	1	39.8	0
P12163_2_F6,17048	K.ADGFAFVPEHK.Y ! f	1883.027	0.00294	3	1	39.6	0
P12163_1_F8,18030	K.GAPEQILNLAHNK.S	2013.17	0.00518	3	1	36.9	0
P12163_2_F6,17541	K.GAPEQILNLAHNK.S	2013.17	0.00053	3	1	41.7	0
P12163_1_F4,18782	R.ALNLGVNVK.M	1535.973	0.01072	3	1	32.1	0
P12163_2_F1,18020	R.ALNLGVNVK.M	1535.973	-0.00017	2	1	35.9	0
P12163_2_S5,6781	R.HDSAETIR.R	1232.654	-0.00015	3	1	26.8	0
P12163_2_F1,20053	R.LLEGDPLK.I ! R.LLEGI	1492.919	0.0018	2	1	26.8	0
P12163_2_F1,6605	K.ADAGASK.T	1227.715	0.00722	2	1	25.9	0
P12163_2_F1,6637	K.ADAGASK.T	1227.715	0.00449	3	1	28.7	0
P12163_2_F7,18593	K.CHFVGDIFSGK.K	1988.088	0.00433	3	1	38.2	0
P12163_2_F7,18599	K.CHFVGDIFSGK.K	1988.088	0.00516	4	1	25.9	0
P12163_2_F1,10596	K.TYPQQAGTIR.K	1438.796	0.00342	2	1	25.3	0
P12163_1_F7,12010	K.VVEVSTSK.T	1456.883	-0.00028	3	1	26.3	0
P12163_2_F1,12819	K.VVEVSTSK.T	1456.883	0.00718	2	1	35.3	0
P12163_1_S1,20763	R.LPTDETLTQLK.D	1980.184	0.00658	3	1	37.3	0
P12163_1_F9,10881	K.LAPGGHLGR.F	1181.706	0.00533	3	1	39.3	0
P12163_1_F4,14246	K.QIGAYADAEK.A	1673.932	0.0053	3	1	24.7	0
P12163_1_F4,14249	K.QIGAYADAEK.A	1673.932	0.0016	2	1	34.2	0
P12163_2_F1,13296	K.QIGAYADAEK.A	1673.932	0.00262	2	1	29.2	0
P12163_1_F4,13235	R.AGQGAFGNMCR.G	1472.704	0.00365	2	1	27.7	0
P12163_1_F3,19862	R.MSLLAEAQR.V	1322.74	0.00216	2	1	24.8	0
P12163_2_F1,19089	R.MSLLAEAQR.V	1322.74	0.00698	2	1	30.5	0
P12163_1_S1,16450	R.NIPGVEVVNVER.L	1628.927	0.00177	3	1	55.2	0
P12163_1_F7,18481	K.HIEFSLTSPFGGGRPGR	2119.135	-0.0002	4	1	33.9	0
P12163_1_F2,3909	K.SIHHR.V	1024.595	0.00141	3	1	23.1	0
P12163_1_F4,22578	R.LQTLVFK.S	1456.935	0.00023	2	1	28.7	0
P12163_1_S1,21400	R.QLVNIPSFVVR.V	1575.952	0.00337	2	1	24.1	0
P12163_1_F4,18180	R.YGFLEESQNK.L	1822.979	0.00593	2	1	35.5	0
P12163_1_F5,17018	R.YGFLEESQNK.L	1822.979	0.00717	2	1	45.1	0
P12163_2_F1,17309	R.YGFLEESQNK.L	1822.979	0.00879	2	1	26.2	0
P12163_2_F8,12070	R.YGFLEESQNK.L	1822.979	0.00593	3	1	24.3	0
P12163_1_S10,13360	K.DAFHLR.V	1062.6	0.00349	3	1	24	0
P12163_1_F2,13647	K.ENVSSALEAAR.I	1579.823	0.0037	2	1	24.1	0
P12163_1_S1,13478	K.ENVSSALEAAR.I	1579.823	0.0055	2	1	54.8	0
P12163_2_F6,15215	K.LLGCHGPLAQR.Q	1525.857	0.00292	3	1	33.4	0
P12163_1_S1,22945	R.VAIGQVLLSVR.C	1458.931	0.00343	3	1	52.1	0
P12163_1_F5,12082	R.VHPFHVLR.I	1308.784	0.00684	4	1	35	0
P12163_2_F4,12257	R.VHPFHVLR.I	1308.784	0.00184	4	1	35.4	0
P12163_2_F4,12259	R.VHPFHVLR.I	1308.784	0.00222	3	1	22	0
P12163_1_F3,22406	K.IANLNENIEALSVK.I	2136.248	0.0074	3	1	39.8	0
P12163_2_F4,16477	K.RLDVDCIDLYYQHR.I	2170.102	0.00405	3	1	35.7	0
P12163_1_S1,14740	K.YIGLSEASASTIR.R	1671.922	0.00605	3	1	41	0
P12163_2_F6,17647	K.YIGLSEASASTIR.R	1671.922	-0.0009	2	1	24.8	0

P12163_1_F5,10587	R.AACEASLK.R	1457.824	0.01135	2	1	28	0
P12163_2_F2,11353	R.AACEASLK.R	1457.824	0.00721	2	1	24.6	0
P12163_2_F2,11399	R.AACEASLK.R	1457.824	0.00707	3	1	28.6	0
P12163_1_F9,12962	R.FQPGNLEHNQK.L	1920.055	0.00588	3	1	24.9	0
P12163_2_F1,22929	K.LLLVVNK.M	1406.955	0.00199	2	1	27.5	0
P12163_1_S1,18750	K.VLAIYCDDNR.V	1542.789	0.00746	2	1	38.2	0
P12163_1_F8,18102	R.FTILDAPGHK.S	1707.005	0.0031	3	1	37.8	0
P12163_2_F6,17567	R.FTILDAPGHK.S	1707.005	0.00421	3	1	48.1	0
P12163_1_F9,6928	R.HAGPGENLR.I	1254.686	0.00464	3	1	26.2	0
P12163_1_S10,8186	R.HAGPGENLR.I	1254.686	0.00596	3	1	22.6	0
P12163_1_F4,14975	R.IQVNNISICTEK.F	1914.057	0.00205	2	1	29.6	0
P12163_2_F1,13987	R.IQVNNISICTEK.F	1914.057	-0.00029	2	1	40.3	0
P12163_1_F2,19441	K.NYGGSVEVLSVESGD	2620.375	0.00451	3	1	30.2	0
P12163_2_F6,19065	K.NYGGSVEVLSVESGD	2620.375	0.00673	3	1	70.1	0
P12163_1_S1,12576	K.YVGPDSIASGIR.A	1538.848	0.00388	3	1	42.2	0
P12163_1_F6,17560	R.ASNPSAPAGSSPGLYS.	3082.605	0.01365	4	1	34.1	0
P12163_2_F8_1207	R.ASNPSAPAGSSPGLYS.	3082.605	0.00289	4	1	22.1	0
P12163_2_F8_1207	R.ETTVEAVNGHLDILRP	2684.555	0.00715	3	1	36.4	0
P12163_1_F2,11149	R.QVYDEEVR.E	1341.695	0.00539	2	1	27	0
P12163_1_F3,11372	R.QVYDEEVR.E	1341.695	0.00537	2	1	24.3	0
P12163_2_F2,19265	K.FWTVSDK.T	1490.846	0.00512	2	1	26.7	0
P12163_1_F2,15263	K.TVGIHGLGR.I	1189.757	0.00261	3	1	36.3	0
P12163_1_S1,20242	R.ELVSALVEGR.L	1376.805	0.00235	2	1	44.9	0
P12163_1_S1,20278	R.ELVSALVEGR.L	1376.805	0.0045	3	1	45.6	0
P12163_1_F3,17648	R.EVIDALGPK.G	1549.941	0.00493	2	1	40.6	0
P12163_1_F9,5826	R.GPHVDER.E	1113.595	0.00352	3	1	42	0
P12163_1_S10,7300	R.GPHVDER.E	1113.595	0.00013	3	1	36	0
P12163_1_S1,10508	K.GYPPAEAAAADR.M	1421.733	0.00396	2	1	27.8	0
P12163_2_F6,9903	K.QIGGQTHEVAAK.V	1847.059	0.00409	3	1	34.7	0
P12163_1_S1,11688	K.SQDISVTVADAR.F	1565.844	0.00325	3	1	32.9	0
P12163_1_S1,13791	K.SQDISVTVADAR.F	1565.844	0.00226	2	1	25.2	0
P12163_1_F8,16636	R.GYDQVVHDVDLQK.L	2124.155	0.00801	3	1	25.4	0
P12163_2_F6,16156	R.GYDQVVHDVDLQK.L	2124.155	0.003	3	1	34.1	0
P12163_2_F4,15023	R.YIDHGSPADQLEESGL	2365.157	0.00357	3	1	37	0
P12163_1_F7,17110	R.AAIGLSEHGFNTACIT	2398.301	0.01247	3	1	49.2	0
P12163_1_F2,14602	R.AASTILATGGYGR.A	1541.859	0.00118	3	1	23.6	0
P12163_1_F4,19276	R.AFGGQSLDFGK.G	1734.963	-0.00015	3	1	42.6	0
P12163_1_F4,19285	R.AFGGQSLDFGK.G	1734.963	0.00808	2	1	42.9	0
P12163_2_F1,18668	R.AFGGQSLDFGK.G	1734.963	0.00647	3	1	47.2	0
P12163_1_F3,18429	R.TQETLEEGCQLIDK.A	2272.195	0.01214	3	1	53.4	0
P12163_1_F3,16293	R.VMQNNAAVFR.T	1453.789	0.00338	2	1	25.4	0
P12163_1_F4,22135	K.AGLFNBPILK.D	1638.02	0.00358	3	1	35.6	0
P12163_1_F3,17559	K.DSDCFLQPNLNK.F	2059.074	0.00938	2	1	40.5	0
P12163_1_F2,18112	K.QDPQPLPYLAEK.I	2007.137	-0.0009	3	1	30.1	0
P12163_1_F8,16782	R.ASSVVISGTDIVRPR.G	1861.081	0.00134	3	1	26.7	0
P12163_1_F8,16811	R.ASSVVISGTDIVRPR.G	1861.081	0.00346	2	1	35.4	0
P12163_2_F6,16274	R.ASSVVISGTDIVRPR.G	1861.081	0.00169	2	1	28.6	0
P12163_1_F3,16541	R.GQFAPSGNSPPFPGPS	2408.282	0.0017	3	1	29.5	0
P12163_1_F3,18601	K.FGLSTDNVVDAK.I	1874.048	0.01501	3	1	24.4	0
P12163_1_F3,18633	K.FGLSTDNVVDAK.I	1874.048	0.00782	2	1	40.7	0
P12163_1_F4,24309	K.IGLVFNPHYGGK.M	1773.052	0.00225	2	1	35.8	0

P12163_1_F7,16360	K.MAEIPASETAFPHR.A	1860.958	0.00679	3	1	25.6	0
P12163_2_S5,15931	K.MAEIPASETAFPHR.A	1860.958	0.00202	3	1	47.4	0
P12163_1_F5,14700	K.QMMELGK.I	1444.811	0.01151	2	1	23.9	0
P12163_2_F4,12270	R.DVDIGINHHGEDSYAE	2564.284	0.00436	4	1	22.4	0
P12163_1_F3,25562	K.LEPVVELLK.E	1648.05	0.00182	3	1	45.2	0
P12163_1_F3,25610	K.LEPVVELLK.E	1648.05	0.00457	2	1	24.5	0
P12163_1_F3,18813	K.MDAPLISTSVK.W	1770.029	0.00675	2	1	31.4	0
P12163_1_S10,6759	K.SHSAIER.L	1103.611	0.00149	3	1	25.3	0
P12163_2_F8_12070	K.SHSAIER.L	1103.611	0.00104	3	1	25.1	0
P12163_2_F9,10610	R.GDQGKHANIFR.A	1475.766	0.00424	3	1	28	0
P12163_1_F3,21233	R.IPNDAICQAILQK.M	2092.204	0.01275	3	1	32.8	0
P12163_1_F3,18516	K.DVTELIGK.T	1482.899	0.00533	3	1	29.2	0
P12163_1_F9,8436	K.EHNPEIK.L	1474.847	0.006	3	1	23.3	0
P12163_1_S10,9284	K.EHNPEIK.L	1474.847	0.00591	3	1	29.6	0
P12163_2_F8_12070	K.EHNPEIK.L	1474.847	0.00423	3	1	26	0
P12163_1_S10,1819	K.LYGVPEPVESAVLSGGF	3033.75	0.00943	4	1	29.1	0
P12163_1_F3,19989	K.TPNSYVLQQFENPANF	2555.371	0.00481	3	1	60.7	0
P12163_2_F9,21508	R.YLSSVLFESVK.K	1880.099	0.01151	3	1	27.2	0
P12163_1_F5,7822	K.AGGSEEANVK.E	1569.869	0.01319	2	1	33.9	0
P12163_2_F1,8362	K.AGGSEEANVK.E	1569.869	0.00257	2	1	40.9	0
P12163_1_S1,15191	K.ALQDAVPEDVR.G	1516.827	-0.00279	2	1	29.1	0
P12163_2_F1,7478	K.DANQSDQVK.R	1612.875	0.00678	2	1	38.4	0
P12163_1_F3,11623	R.DSIDDVSSGK.G	1630.874	0.00602	2	1	36.5	0
P12163_1_F9,11844	R.NLELDHK.G	1476.863	0.00494	3	1	26.2	0
P12163_2_F7,10989	R.NLELDHK.G	1476.863	0.00635	3	1	25.6	0
P12163_1_F2,19404	K.FTDFAAVR.K ! R.FTDF	1230.678	0.00274	2	1	25.2	0
P12163_1_F9,12922	K.GGNPTHSHIFDR.Y	1504.781	0.00332	3	1	24.5	0
P12163_1_F4,22547	K.SSVLESIVGK.D	1626.989	0.00806	3	1	23.4	0
P12163_1_F6,20102	R.EYAEFLHIPR.K	1578.858	0.00353	3	1	34.8	0
P12163_1_F8,20163	R.EYAEFLHIPR.K	1578.858	0.00386	3	1	46.6	0
P12163_2_F6,19688	R.EYAEFLHIPR.K	1578.858	-0.00499	3	1	40.1	0
P12163_1_F4,16842	R.EYFSTTPEYK.H	1872.984	0.00429	2	1	25.1	0
P12163_2_F2,15989	K.NALYQATIK.Q	1629.978	-0.00325	3	1	27	0
P12163_1_S1,23261	K.VVDAPEILTVIGK.I	1962.21	0.00539	3	1	27.8	0
P12163_1_F8,19804	R.FLLTHPDVQDIEK.V	2163.227	0.00471	3	1	43.9	0
P12163_1_F8,19807	R.FLLTHPDVQDIEK.V	2163.227	-0.00005	2	1	29.9	0
P12163_2_F6,19332	R.FLLTHPDVQDIEK.V	2163.227	-0.00453	3	1	43.2	0
P12163_2_F7,19373	R.TVVYSQFLESYK.S	2072.152	0.00108	3	1	28.5	0
P12163_2_F4,15543	R.YLYPHFR.Y	1299.715	0.00127	3	1	22.5	0
P12163_1_F9,17056	K.AEITHIFR.A	1290.747	0.00483	3	1	46	0
P12163_2_F9,16004	K.AEITHIFR.A	1290.747	0.00126	3	1	22.6	0
P12163_1_F3,25800	K.FFLGIGIPGDTK.N	1873.104	0.00181	2	1	32.8	0
P12163_2_F1,17920	K.SVLGTLESSSSTPK.D	2001.132	-0.00044	2	1	47.1	0
P12163_1_F6,21374	K.VNTVLGSHAPPLTVTL	2178.291	-0.0004	3	1	35	0
P12163_1_F4,21675	R.TFEVLGIEK.T	1643.983	0.00646	2	1	28.8	0
P12163_2_F1,21206	R.TFEVLGIEK.T	1643.983	0.00294	2	1	41.7	0
P12163_1_F4,14269	K.DVTEAIQK.V	1511.889	0.00789	2	1	39.5	0
P12163_1_S1,16921	K.ELDLTSPEVVTK.Y	1939.121	0.01036	3	1	45.8	0
P12163_2_F6,20206	K.IVEGVLSHQLK.Q	1831.126	0.00257	3	1	36.1	0
P12163_2_F6,20207	K.IVEGVLSHQLK.Q	1831.126	0.00203	2	1	53.5	0
P12163_2_F2,11274	K.SAAEIANK.A	1411.836	0.00346	2	1	31.2	0

P12163_1_F4,22865	R.FIFSEINQK.F	1734.005	0.00971	3	1	23.1	0
P12163_2_F1,22301	R.FIFSEINQK.F	1734.005	0.00506	3	1	29.9	0
P12163_2_F1,17834	K.AIATWEVR.L	1249.721	0.00113	2	1	24.1	0
P12163_2_F1,23033	K.GIPPWVPLK.G	1615.019	-0.00215	2	1	26.4	0
P12163_1_F3,26008	R.AEEIADYLNEVELK.K	2244.222	0.00893	3	1	39.9	0
P12163_1_F3,24349	R.GPLELITLK.T	1592.024	0.00984	3	1	22.3	0
P12163_1_F8,20891	R.LGAAATAFLHK.L	1708.037	0.00656	3	1	38.1	0
P12163_2_F6,20461	R.LGAAATAFLHK.L	1708.037	0.00575	3	1	48.5	0
P12163_2_F6,20475	R.LGAAATAFLHK.L	1708.037	0.01137	2	1	29.5	0
P12163_1_F5,25262	K.LIELLGK.F ! K.LLELLC	1393.924	0.00623	2	1	30.6	0
P12163_2_F1,26492	K.LIELLGK.F ! K.LLELLC	1393.924	0.00689	2	1	30.1	0
P12163_1_F4,13884	K.LVEGPNPNEK.G	1704.974	0.00422	3	1	26.6	0
P12163_2_F1,12845	K.LVEGPNPNEK.G	1704.974	0.00485	2	1	34.4	0
P12163_1_F3,24179	K.QENVNTLTILVMGK.G	2168.257	0.00425	3	1	31.8	0
P12163_1_F3,24982	K.VLPNGTAWIPNLVK.T	2130.289	0.0028	3	1	40.8	0
P12163_1_F4,22172	R.AITDNFGEQIWK.R	2030.117	0.00613	3	1	49.8	0
P12163_1_S1,21664	K.GGVDPALIESSMSQMC	2542.346	0.00685	3	1	60.8	0
P12163_1_S1,21694	K.GGVDPALIESSMSQMC	2542.346	0.00111	4	1	23.6	0
P12163_1_F3,18417	K.LVIADVQDK.L	1608.978	0.00413	2	1	48.1	0
P12163_1_F4,24326	K.YGILGLVK.C	1470.95	0.00293	2	1	24.2	0
P12163_2_F9,20418	K.YGILGLVK.C	1470.95	0.00402	3	1	37.5	0
P12163_1_F3,25692	R.LINVNTIGGFLGAK.H	2025.232	0.00495	3	1	46.3	0
P12163_1_F4,20344	R.SFGSILDTPK.S	1672.973	0.00497	2	1	29.9	0
P12163_1_F6,15761	K.LVSFHPK.S	1435.888	0.00345	3	1	23.4	0
P12163_1_F3,27569	K.SYVDLLQDLM*EK.T	2078.13	0.00718	3	1	40.6	0
P12163_1_F3,27581	K.SYVDLLQDLM*EK.T	2062.135	0.00265	3	1	28.1	0
P12163_1_F9,8951	R.SLAAEHEGK.S	1549.879	0.00833	3	1	24.1	0
P12163_1_F9,8968	R.SLAAEHEGK.S	1549.879	0.00857	2	1	39.8	0
P12163_1_F2,14373	R.SSEFEESIQNGER.S	1815.866	0.00131	2	1	28.5	0
P12163_1_S1,16281	R.YGVGDSNFSAAPLR.A	1757.912	-0.00192	2	1	29.4	0
P12163_1_F7,20984	K.EQWVFTTNVEPHVQ	2763.529	-0.00455	3	1	28.8	0
P12163_1_F7,20997	K.EQWVFTTNVEPHVQ	2763.529	-0.00144	4	1	28.3	0
P12163_1_F4,14092	K.ETLNAAEQVDK.A	1826.012	0.00529	2	1	66.6	0
P12163_2_F1,18260	K.IELDQLK.S	1466.904	0.00434	2	1	24.3	0
P12163_1_F4,12023	K.TIEACEATK.T	1630.893	0.01128	2	1	31.3	0
P12163_2_F1,11139	K.TIEACEATK.T	1630.893	0.01054	2	1	47.3	0
P12163_1_S1,19854	R.VQEVVDPYFQEAK.K	2160.18	0.00251	3	1	27.8	0
P12163_1_F7,22386	K.FIQIFGHAPDVYAR.S	1938.054	-0.00081	3	1	36.1	0
P12163_2_F2,17983	K.GFYEYVK.A	1513.851	-0.00269	2	1	24.8	0
P12163_2_F2,17988	K.GFYEYVK.A	1513.851	0.00005	3	1	31.7	0
P12163_2_F7,9233	R.AAHVYSEAK.R	1583.9	0.00634	3	1	30.4	0
P12163_2_F2,13682	R.INQGVINK.N	1493.926	0.00734	2	1	35.3	0
P12163_1_F4,28015	R.LAAIVLGIK.L	1506.024	0.00782	2	1	40	0
P12163_1_F4,28033	R.LAAIVLGIK.L	1506.024	0.00507	3	1	39.2	0
P12163_1_F9,8478	K.ATHITK.I	1278.799	0.00737	3	1	23.5	0
P12163_1_S1,19531	K.GFGFDVDNTIGSTPQIN	2518.34	0.01191	3	1	65.5	0
P12163_1_F8,18580	K.LALDQYGDSTIYQR.G	1947.012	0.00544	2	1	41.5	0
P12163_2_F6,18129	K.LALDQYGDSTIYQR.G	1947.012	0.00382	2	1	39	0
P12163_1_S1,24648	R.SSALSIIIDDYLR.M	1656.911	-0.00118	3	1	34.4	0
P12163_1_F4,20009	R.YGTDAGSFFVK.T	1799.979	0.00957	3	1	34	0
P12163_2_F9,17507	R.YGTDAGSFFVK.T	1799.979	0.00657	3	1	35.6	0

P12163_1_F2,11492	K.ADDSPEAVPQPK.V	1862.012	-0.00095	2	1	51.3	0
P12163_1_F4,11742	K.ALPASTD SK.V	1497.873	0.00617	3	1	38.8	0
P12163_1_F5,13905	K.ELADDIK.Q	1411.825	0.00578	2	1	30.4	0
P12163_1_F3,20784	K.QLTQQVDEFLNTK.V	2172.212	0.00257	3	1	49.8	0
P12163_1_F4,23184	K.QLTQQVDEFLNTK.V	2172.212	0.0038	3	1	46.7	0
P12163_1_S1,13666	K.VEAAADPPPQVNSVPE	2227.254	0.0046	3	1	34.7	0
P12163_1_S1,13711	K.VEAAADPPPQVNSVPE	2227.254	0.00461	4	1	38.9	0
P12163_1_F4,21035	K.ANAVALGNYLTGK.G	1900.111	0.00284	3	1	45.3	0
P12163_2_F1,20549	K.ANAVALGNYLTGK.G	1900.111	0.00599	3	1	37.2	0
P12163_1_F8,21558	K.DFEQIGEF LHR.A	1694.88	0.00273	3	1	46.4	0
P12163_1_F4,21103	K.LCDLCNITV NK.N	1958.066	0.01395	3	1	40.2	0
P12163_1_F4,21128	K.LCDLCNITV NK.N	1958.066	0.01336	2	1	38	0
P12163_1_F2,17722	K.LIICGGSAYPR.D	1510.835	0.00352	3	1	23.7	0
P12163_1_S1,16767	K.NAVFGDSSALAPGGV	1821.976	0.00476	2	1	26.2	0
P12163_1_F2,22313	K.IAAALPGM*ETLSSTK.	2114.199	0.0077	3	1	43.1	0
P12163_1_F3,21366	K.LVFLGDQSVGK.T	1771.057	0.00108	2	1	31	0
P12163_1_F3,22534	R.ELNVMFIETSAK.A	1990.114	0.0081	3	1	34.7	0
P12163_1_F3,23037	R.GSDVHVLVGNK.T	1822.126	0.00618	3	1	38.2	0
P12163_1_F4,12950	R.QVSIEEGEAK.A ! R.QV	1697.953	0.00375	2	1	44.3	0
P12163_1_F4,12994	R.QVSIEEGEAK.A ! R.QV	1697.953	0.00795	3	1	36.3	0
P12163_1_S1,12408	K.CVIVDTQASGNNR.K !	1737.886	0.00068	3	1	39.1	0
P12163_1_S1,12409	K.CVIVDTQASGNNR.K !	1737.886	0.00793	2	1	31.5	0
P12163_1_F3,24118	K.NAGADNLIPMELALK.	2178.241	0.00987	3	1	31.5	0
P12163_2_S5,18202	R.FMIYVHAK.M ! R.FMI	1616.944	0.00063	3	1	28.4	0
P12163_1_F7,22382	R.FTAM*EFTPLQGHLLR	2081.116	0.00602	3	1	46	0
P12163_1_F3,27876	R.ISWILSPELSLK.T	1994.215	0.00725	3	1	52	0
P12163_1_F3,25242	K.NYSQFVSFPIYTWQEK	2645.386	0.00552	3	1	48.4	0
P12163_1_S10,1530	K.RLAPLLR.F	1142.767	0.00472	3	1	29.3	0
P12163_1_F3,18382	R.ELISNASDALDK.L ! R.	1884.053	0.00752	3	1	60.2	0
P12163_1_F3,18387	R.ELISNASDALDK.L ! R.	1884.053	0.01143	2	1	55.5	0
P12163_1_F7,20596	R.VFEINPEHPHIIQNLNAA	2742.54	-0.00086	3	1	56.4	0
P12163_1_S10,1886	R.YLSFVK.G	1364.84	0.0068	3	1	23.3	0
P12163_1_F3,24237	K.IAAVMYTGVTATVK.C	2033.192	0.00719	3	1	66.4	0
P12163_1_F4,25010	K.M*YSSTFDAIFK.T	1934.019	0.00587	3	1	22.4	0
P12163_2_F6,13847	R.LM*TQVHGAEV NK.I	1951.089	0.00814	3	1	28.8	0
P12163_2_F6,13834	R.LMTQVHGAEV NK.I	1935.094	0.00268	3	1	35.6	0
P12163_1_F3,24739	R.NLPAGVLSYSSFEYLK	2396.332	0.00669	3	1	48	0
P12163_2_F2,21949	R.SWEVLLK.I	1482.914	0.00732	2	1	29	0
P12163_2_F1,13287	K.ASNGVVIA TEK.K	1697.005	0.00288	2	1	40	0
P12163_1_S1,17695	K.EPIPVTQLVR.E	1455.884	0.00085	3	1	36.4	0
P12163_1_F4,20449	K.NIEIGI GEK.K	1694.031	0.00356	3	1	30.5	0
P12163_1_F4,20456	K.NIEIGI GEK.K	1694.031	0.00549	2	1	28.1	0
P12163_1_F5,5135	K.QAEQYHR.L	1235.643	0.00392	3	1	24.7	0
P12163_1_F2,15323	R.VLTPNEIR.D	1245.747	0.00277	2	1	24.9	0
P12163_1_F3,20177	K.NVGFSMNDVIEECK.L	2250.135	0.01156	3	1	59.2	0
P12163_1_F9,8019	R.EIEEHGNNK.N	1677.902	0.01071	3	1	22.1	0
P12163_1_F3,20948	R.ICVGQNFALVEAK.M	2057.167	0.01365	3	1	36.5	0
P12163_1_F3,27846	R.LLIVGLASLEGEK.W	1950.209	0.00974	3	1	39.5	0
P12163_1_F9,15566	R.VNPFLHK.L	1462.899	0.01192	3	1	21.9	0
P12163_2_F9,14593	R.VNPFLHK.L	1462.899	0.00352	3	1	29.6	0
P12163_1_F4,16347	K.FANACGAITTK.K	1863.025	0.00827	2	1	24.5	0

P12163_1_S1,22973	K.GAIPALPTESEALNLLF	2345.39	0.00443	3	1	32.8	0
P12163_1_S1,23052	K.GAIPALPTESEALNLLF	2345.39	0.00634	4	1	30	0
P12163_2_F6,21560	K.LLLVTLGEHGCR.Y	1671.952	0.00112	3	1	33.6	0
P12163_2_F1,22219	R.EQIMSIWDK.A	1757.972	0.00651	2	1	39.8	0
P12163_2_S5,10897	R.SAHLEAMK.A	1494.856	0.00346	3	1	25.9	0
P12163_1_F2,8558	K.EVESLTR.S	1137.642	0.00403	3	1	22	0
P12163_2_F8_12070	K.GHQGVSLDELVGIVTF	1984.113	-0.00187	3	1	37	0
P12163_1_S1,20558	K.NPLTAVMDVPR.N	1516.846	0.00532	2	1	35.7	0
P12163_1_S1,20561	K.NPLTAVMDVPR.N	1516.846	0.00071	3	1	58.5	0
P12163_2_F1,14463	R.GVTVGNVIR.V	1218.747	0.00369	2	1	27.4	0
P12163_1_F2,9622	R.SLTQASEDLR.R	1423.769	0.00246	3	1	27.3	0
P12163_1_S1,18987	K.ELENVPMVTTESGLQY	2546.363	0.00774	3	1	48.9	0
P12163_1_F3,20273	K.GLDEGILTMK.T	1684.976	0.00633	2	1	52.7	0
P12163_1_F4,13964	K.GRPYIFR.V	1212.715	0.00143	3	1	22.4	0
P12163_2_F1,10961	R.LCDDACEK.E	1618.802	0.00749	2	1	26	0
P12163_1_F3,24948	R.LYIPGPLAFPK.G	1824.124	0.00203	2	1	29.9	0
P12163_1_F3,24960	R.LYIPGPLAFPK.G	1824.124	0.00424	3	1	39.5	0
P12163_1_F3,16664	K.ETGLDQYAIK.F	1817.026	-0.00166	2	1	50.2	0
P12163_1_F5,22119	K.LLVLAGK.A	1321.903	0.00739	2	1	30.7	0
P12163_2_F1,22899	K.LLVLAGK.A	1321.903	0.00146	3	1	22.1	0
P12163_1_F3,15196	K.NPANFNVDNVR.V	1563.818	0.00312	2	1	26.5	0
P12163_1_S1,17735	K.VAVFAGGVDTSATETI	2161.196	-0.00043	3	1	39	0
P12163_1_F4,13251	R.AVDDGVNTYK.A	1689.927	0.00249	2	1	32.7	0
P12163_1_F4,15061	K.CTLISSEAEK.G	1832.988	0.00336	2	1	46.2	0
P12163_2_F1,14003	K.CTLISSEAEK.G	1832.988	0.00708	2	1	41.5	0
P12163_1_S1,15769	K.LADPEVVSNPSEYQK.I	2284.228	0.00075	3	1	42.4	0
P12163_1_F4,22999	K.SLSNELIELEEK.L	2012.137	0.00004	2	1	49	0
P12163_2_F1,17023	K.TVVMEIK.G	1427.875	0.00353	3	1	25	0
P12163_2_F10,1840	K.VETAIDLPHKPTGIR.I	2305.349	0.00243	4	1	25.9	0
P12163_1_S1,22506	K.ATSSIYPLQNVFIR.K	1913.08	0.00186	3	1	33.5	0
P12163_1_S1,22507	K.ATSSIYPLQNVFIR.K	1913.08	0.00415	2	1	36.1	0
P12163_1_F2,23374	K.FIAEVIGR.E	1208.73	0.00262	2	1	29.5	0
P12163_1_F3,12083	K.TTDNFTLR.L	1271.69	0.0058	3	1	24.2	0
P12163_1_F3,19239	R.EIMVAQAASCDLK.S	2044.103	0.0093	2	1	34.4	0
P12163_1_F4,24896	R.LFCIGFTK.R	1593.928	0.00505	3	1	22.7	0
P12163_2_F1,16792	K.ENLAAVGLK.G	1522.941	0.00105	2	1	46.9	0
P12163_1_F3,24603	K.IIAGLLAPDK.G	1619.035	0.0034	3	1	35.1	0
P12163_1_F3,24638	K.IIAGLLAPDK.G	1619.035	0.00781	2	1	38.1	0
P12163_1_F4,21882	R.ENVGFLLYENSK.M	2021.116	0.01919	3	1	27.4	0
P12163_1_F6,13366	R.HGEAVGIIGPSGTGK.S	1988.138	0.00536	3	1	40.3	0
P12163_1_F4,25235	R.LIFLYEGK.I	1590.971	0.00825	3	1	22.5	0
P12163_1_F3,16431	K.AVDNSGTVIGIK.C	1782.058	0.00502	2	1	50.1	0
P12163_2_F6,14170	K.IYGVHDEAK.D	1753.01	-0.00084	3	1	29.9	0
P12163_2_F6,14177	K.IYGVHDEAK.D	1753.01	0.0002	2	1	32.3	0
P12163_2_F6,17664	K.SEATNYESVYGEPIPVI	2491.318	-0.00118	3	1	24.8	0
P12163_1_F3,20294	K.VPELLEEAK.A	1751.005	0.00621	2	1	50.9	0
P12163_2_F1,13984	R.QGVIEVAK.I	1451.904	0.00579	3	1	26.5	0
P12163_2_F2,13896	K.SVAEFK.S	1288.772	0.00995	2	1	24	0
P12163_1_S1,19547	K.YQQIGFFPDER.A	1703.869	0.00818	2	1	31.9	0
P12163_1_S1,19583	K.YQQIGFFPDER.A	1703.869	-0.00091	3	1	43.3	0
P12163_1_F2,11572	R.QGVLGEDDTGEESPK..	2169.113	0.00279	3	1	29.5	0

P12163_1_F3,16425	R.QPAIVCENCLYSQEK.I	2447.252	-0.00014	3	1	40.1	0
P12163_1_S1,21637	R.YQTAGMLETVLR.Q	1685.92	0.00205	2	1	25.5	0
P12163_2_F1,19921	K.MPGGGAVSALIK.V	1709.024	0.00423	3	1	24	0
P12163_1_F3,18794	K.NPAFITLR.K	1235.741	0.00283	2	1	25.8	0
P12163_2_F1,18535	K.NPAFITLR.K	1235.741	0.00231	2	1	28.3	0
P12163_1_F3,8423	K.QVAAQEAER.A	1305.706	0.00537	2	1	34.2	0
P12163_1_F3,19114	R.AQGEATSAQLIGQAIA	2265.302	0.00794	3	1	49.6	0
P12163_1_F7,18771	R.VLTRPVADQLPTIYR.T	2046.201	0.00405	3	1	45.3	0
P12163_2_F1,25063	K.ETNPLVAIFK.S	1740.052	0.00755	3	1	28.5	0
P12163_2_F1,18768	K.LIAEELNTNK.I	1753.032	-0.00292	2	1	43.4	0
P12163_2_F1,12687	K.STYEELQTSK.S	1793.974	-0.00009	2	1	37.8	0
P12163_1_F5,19785	R.INLEAWEK.A	1610.936	-0.00277	2	1	31.5	0
P12163_1_F6,17085	R.NVQFEVSHNDVLTSEE	2834.386	-0.0011	3	1	81.3	0
P12163_1_F7,16222	R.NVQFEVSHNDVLTSEE	2834.386	0.001	3	1	50.4	0
P12163_2_F1,8814	K.ANIPEDR.Q	1118.611	0.0035	2	1	25	0
P12163_1_F5,7597	K.SAQNAYK.L	1389.795	0.00274	2	1	24.3	0
P12163_1_F5,16631	R.FINDGVYK.V	1563.899	0.00561	2	1	34.6	0
P12163_1_S1,20556	R.GLVDALGGFSR.A	1395.79	0.0069	2	1	24	0
P12163_1_S1,20595	R.GLVDALGGFSR.A	1395.79	-0.00028	3	1	26.3	0
P12163_1_S10,1306	R.HVVDFK.K	1352.815	0.00702	3	1	23.7	0
P12163_2_F2,19251	K.FQGANLYIK.N	1661.983	0.00292	3	1	35.4	0
P12163_2_F2,19260	K.FQGANLYIK.N	1661.983	0.00931	2	1	27.5	0
P12163_1_F4,23520	K.QLFSPFGSITSCK.V	2080.136	0.00422	3	1	36.1	0
P12163_2_F4,16073	K.QVYVGHFLR.K	1422.816	0.00286	3	1	40.8	0
P12163_2_F2,16970	K.SGAGNIFIK.N	1514.915	0.00288	3	1	26.6	0
P12163_2_F1,11866	K.VATDLNGQSK.G	1640.943	0.00713	2	1	24.7	0
P12163_1_F4,22132	R.DEYSLVEALK.Q	1775.005	0.01296	3	1	22.9	0
P12163_2_F2,17108	R.FNNIPQVK.M	1567.942	0.01118	2	1	28.7	0
P12163_1_S1,22275	R.M*LDFDFLCGR.E	1593.771	-0.00204	3	1	39.3	0
P12163_1_F9,10582	R.VPGIGHR.I ! R.VPGIGH	1039.631	0.00607	3	1	27.8	0
P12163_1_S1,22805	R.VVAIIAEGVPEADTK.C	2120.242	0.00089	4	1	36	0
P12163_1_S1,22907	R.VVAIIAEGVPEADTK.C	2120.242	0.00533	3	1	44	0
P12163_1_S1,19533	K.AAVSAMPELLR.S	1461.84	0.00263	3	1	47.6	0
P12163_2_F1,15964	K.AILVNATDK.S	1552.952	0.00846	2	1	27.4	0
P12163_1_F6,16239	K.FYFHAEVR.K	1430.737	0.00423	3	1	25.9	0
P12163_2_S5,15505	K.FYFHAEVR.K	1430.737	0.00459	3	1	30.8	0
P12163_1_F3,25001	K.YYDAVMPFLK.A	1855.028	0.00509	3	1	27	0
P12163_1_F9,4641	R.SPHPEAR.A	1097.6	0.00002	3	1	30.7	0
P12163_1_S1,22653	K.AALDLLLPYQR.S	1576.936	0.00469	3	1	35.6	0
P12163_2_F1,23758	K.FLPVYLSK.G	1574.977	0.00533	2	1	30.1	0
P12163_1_S1,22644	K.GILQSDPFEVLDQK.G	2197.232	0.00645	3	1	45.5	0
P12163_1_F4,20453	R.AALVADEIAK.E	1608.978	0.00734	2	1	59.3	0
P12163_2_F1,19895	R.AALVADEIAK.E	1608.978	0.00268	2	1	45	0
P12163_2_F4,17281	R.TETSPEDIGGMHAAAC	2402.229	-0.00105	3	1	35.2	0
P12163_1_F4,24093	K.IM*FALTSIK.G	1647.996	0.00582	3	1	27	0
P12163_2_F1,9949	K.TVGVSK.K	1198.762	0.00818	3	1	22.9	0
P12163_1_F4,22017	K.YSQVVSNALDMK.L !	1963.078	0.00821	3	1	53.8	0
P12163_2_F2,18214	R.LANIVCK.K	1425.871	0.0028	3	1	22.6	0
P12163_1_F4,14900	R.VLNTNVDGK.Q	1567.926	0.00915	2	1	26.1	0
P12163_2_F1,13879	R.VLNTNVDGK.Q	1567.926	0.00716	2	1	31.8	0
P12163_1_F4,23898	K.FIQEYLETNK.R	1893.058	0.0025	3	1	28.9	0

P12163_2_F1,19772	K.GELELWDK.L	1597.905	0.00815	2	1	30	0
P12163_1_F4,24760	K.LYDSFVAGLK.Q	1721.009	0.00222	3	1	22.4	0
P12163_1_F3,26099	R.LLISMLSDTK.F	1729.039	0.00605	3	1	25.9	0
P12163_1_F8,16068	R.TGVELIPVHCR.S	1584.883	0.00168	3	1	25.8	0
P12163_2_F6,15567	R.TGVELIPVHCR.S	1584.883	0.00084	3	1	27.7	0
P12163_1_F8,19294	K.HGVALNFTCVELR.T	1819.979	-0.00144	3	1	36.5	0
P12163_1_F8,16392	K.TASHAAELTAGFYNPS	2211.11	0.00501	3	1	40.4	0
P12163_2_F6,15890	K.TASHAAELTAGFYNPS	2211.11	0.00093	3	1	39.8	0
P12163_2_F4,16663	R.HLSAFTYLR.L	1411.8	0.00415	3	1	33.7	0
P12163_1_F7,21011	R.LSPVLTGDHNFIEFER.I	2178.15	0.00233	3	1	60	0
P12163_1_S10,1692	R.RLFQIVR.E	1235.789	0.00349	3	1	33.7	0
P12163_1_F4,25001	K.DEPWWPVLK.T	1778.01	0.00298	2	1	24.4	0
P12163_2_F4,6007	K.EHPYPR.R	1102.595	0.00326	3	1	23.2	0
P12163_2_S5,6960	K.EHPYPR.R	1102.595	0.00197	3	1	23.8	0
P12163_1_F3,28998	K.SLLELVSAELDPK.T	2135.278	0.0047	3	1	35	0
P12163_1_F2,19210	R.QLTAGLNYPYSIR.L	1636.932	0.00359	2	1	30.5	0
P12163_1_F2,15707	R.YTM*EINALAR.K ! R.Y	1501.799	0.00517	3	1	46.6	0
P12163_1_F2,18649	K.EVPASFGFDTACK.I	2037.057	0.01077	3	1	24.5	0
P12163_1_S1,14698	K.IVDGPASSAAGNPDEL	2320.26	0.01037	3	1	59.8	0
P12163_1_F5,8335	K.QATETAVK.L	1455.863	0.00948	2	1	25.7	0
P12163_2_F7,8866	R.DPHGNVQVAK.I	1672.959	0.00365	3	1	41	0
P12163_1_F8,21077	R.IDHALPLPSVLK.N	1911.189	0.00615	3	1	40.3	0
P12163_2_F1,17645	K.AMSNYAPVLK.A	1701.982	0.00397	2	1	29.1	0
P12163_2_F10,8791	K.HENFK.E ! K.HENFK.Q	1282.736	0.00634	3	1	24.6	0
P12163_1_F3,20312	K.NVEEVSSCNIFVVK.G	2232.215	0.00616	2	1	50.8	0
P12163_2_F1,8959	R.AAPGGAGGVK.A	1392.842	0.00744	3	1	35.1	0
P12163_1_F9,11868	R.DYGYQVEER.V	1462.712	0.00323	2	1	25.9	0
P12163_1_F4,19799	K.SFDEIEFEK.L ! K.SFDE	1751.931	0.00835	2	1	43.3	0
P12163_2_F7,11947	R.HGM*VAAGSLVR.Q	1417.789	0.00276	3	1	34.4	0
P12163_2_F7,17067	R.LQGNYYFQEQLSR.H	1950.002	-0.00538	2	1	25	0
P12163_2_F6,16385	R.RDEEYDSMLGVVR.E	1872.943	0.00093	2	1	48.4	0
P12163_2_F1,23293	R.TLMNIFDK.A	1589.918	0.00342	2	1	34.5	0
P12163_2_S5,9239	K.ALQYHSER.L	1307.701	0.00191	3	1	29.9	0
P12163_1_F7,21257	K.VLGSAGHLIEAEFVE	2160.16	-0.00332	3	1	25.3	0
P12163_1_F2,22578	R.AEELLDLDPSK.A	1895.058	0.00451	3	1	33.4	0
P12163_1_S1,24025	R.LAIAYGLISTPPR.M	1676.005	0.00444	3	1	31	0
P12163_2_F6,15911	R.YVLHDIDEEAK.E	1940.058	0.00469	3	1	26.8	0
P12163_1_F9,11260	K.AHNAVVLK.A	1459.92	0.00496	3	1	26.6	0
P12163_1_F2,16935	K.SQIVQDELVR.L	1490.848	0.00045	2	1	27.5	0
P12163_1_F3,10846	K.SQQVSASALR.H	1350.764	0.00281	2	1	28	0
P12163_1_F8,17197	R.AFVPPQH FIR.L	1515.874	0.0035	3	1	27.1	0
P12163_1_F3,23790	R.SSTFLNVVALGNVGAC	2242.302	0.00747	3	1	57.6	0
P12163_1_F4,10530	K.GGSSYCNLDR.L	1432.679	0.00335	2	1	29.4	0
P12163_2_F4,6244	R.HSSDAFSR.Y	1210.612	0.00223	3	1	25.1	0
P12163_2_F2,18938	R.SCMAWLDK.Q	1618.854	0.0052	2	1	43	0
P12163_2_S5,20794	R.VNDPMDPHLLL FAR.E	1942.052	0.00057	3	1	29.9	0
P12163_1_F4,24510	R.YMQIPGFQFK.T	1867.04	0.00217	2	1	24.4	0
P12163_1_F9,12566	K.ELNLTHK.F	1462.884	0.00717	3	1	23.5	0
P12163_1_F3,16046	K.IVNQDPPALSEK.S	1919.106	0.00329	2	1	24.1	0
P12163_2_S5,16257	K.RIDELSTFSDTPAPSVT	2296.209	-0.00264	3	1	33.3	0
P12163_1_F4,23095	K.SIIAEVEASK.E	1726.021	0.00918	3	1	28.9	0

P12163_1_S1,17963 R.VLYTENDVLAR.S	1596.89	0.00509	2	1	28.7	0
P12163_2_F2,20554 K.ALFLAKP.-	1367.887	0.00496	3	1	31.8	0
P12163_2_F6,10918 K.GGNDHEIFESER.T	1693.808	0.00696	2	1	36.4	0
P12163_2_F1,16702 K.LIGTQSLK.S	1467.935	0.00623	3	1	22.4	0
P12163_1_F7,21685 K.TVIDEYDYVFSENGLV	2807.471	0.00488	3	1	40	0
P12163_1_S1,16490 K.VVTVGVVGGSDLSK.I	1925.153	0.00572	3	1	56.9	0
P12163_1_F5,10128 K.ANSLAQLGK.Y	1509.921	0.00617	2	1	26.4	0
P12163_1_F5,14601 K.ANSLAQLGK.Y	1509.921	0.00911	2	1	29.6	0
P12163_1_F5,14620 K.ANSLAQLGK.Y	1509.921	0.00878	3	1	34	0
P12163_1_F5,14827 K.ANSLAQLGK.Y	1509.921	0.00581	2	1	52.5	0
P12163_1_F5,14836 K.ANSLAQLGK.Y	1509.921	0.00065	3	1	42.1	0
P12163_1_F5,16085 K.ANSLAQLGK.Y	1509.921	0.00254	3	1	31.8	0
P12163_1_F5,16231 K.ANSLAQLGK.Y	1509.921	0.00829	2	1	42.2	0
P12163_1_F5,16337 K.ANSLAQLGK.Y	1509.921	0.00815	3	1	39.1	0
P12163_1_F5,16515 K.ANSLAQLGK.Y	1509.921	0.00799	2	1	37.7	0
P12163_1_F5,16586 K.ANSLAQLGK.Y	1509.921	0.00503	3	1	34	0
P12163_1_F5,17147 K.ANSLAQLGK.Y	1509.921	0.00527	2	1	44.9	0
P12163_1_F5,17174 K.ANSLAQLGK.Y	1509.921	0.00782	3	1	29.4	0
P12163_1_F5,17404 K.ANSLAQLGK.Y	1509.921	0.00713	2	1	25.2	0
P12163_1_F5,17423 K.ANSLAQLGK.Y	1509.921	0.00557	3	1	23.4	0
P12163_1_F5,17818 K.ANSLAQLGK.Y	1509.921	0.00825	2	1	33.3	0
P12163_1_F6,251 K.ANSLAQLGK.Y	1509.921	0.00512	3	1	38.4	0
P12163_1_F6,721 K.ANSLAQLGK.Y	1509.921	0.0056	3	1	30	0
P12163_1_F6,3763 K.ANSLAQLGK.Y	1509.921	0.00755	3	1	27.8	0
P12163_1_F6,15434 K.ANSLAQLGK.Y	1509.921	0.00923	3	1	34.3	0
P12163_1_F7,14644 K.ANSLAQLGK.Y	1509.921	0.00713	3	1	36.1	0
P12163_1_F7,14692 K.ANSLAQLGK.Y	1509.921	0.00693	2	1	41.3	0
P12163_1_F8,10581 K.ANSLAQLGK.Y	1509.921	0.00227	3	1	22.1	0
P12163_1_F8,14574 K.ANSLAQLGK.Y	1509.921	0.00194	3	1	31.4	0
P12163_1_F8,14588 K.ANSLAQLGK.Y	1509.921	0.00391	2	1	36.9	0
P12163_1_F8,14821 K.ANSLAQLGK.Y	1509.921	0.00185	3	1	47.1	0
P12163_1_F8,14843 K.ANSLAQLGK.Y	1509.921	0.00145	2	1	49.6	0
P12163_1_F8,15386 K.ANSLAQLGK.Y	1509.921	0.00693	2	1	49.3	0
P12163_1_S10,1500 K.ANSLAQLGK.Y	1509.921	0.00203	3	1	22.3	0
P12163_2_F1,14779 K.ANSLAQLGK.Y	1509.921	0.00717	2	1	40.8	0
P12163_2_F1,14793 K.ANSLAQLGK.Y	1509.921	0.00482	3	1	34.1	0
P12163_2_F1,14985 K.ANSLAQLGK.Y	1509.921	0.00343	2	1	36.9	0
P12163_2_F10,1409 K.ANSLAQLGK.Y	1509.921	-0.00046	3	1	33.7	0
P12163_2_F10,1410 K.ANSLAQLGK.Y	1509.921	0.00445	2	1	38.6	0
P12163_2_F2,591 K.ANSLAQLGK.Y	1509.921	0.00119	2	1	27.4	0
P12163_2_F2,773 K.ANSLAQLGK.Y	1509.921	0.00347	3	1	22.7	0
P12163_2_F2,1183 K.ANSLAQLGK.Y	1509.921	0.00326	3	1	28.5	0
P12163_2_F2,2479 K.ANSLAQLGK.Y	1509.921	0.00326	3	1	23.1	0
P12163_2_F2,11028 K.ANSLAQLGK.Y	1509.921	0.00455	3	1	22.1	0
P12163_2_F2,11029 K.ANSLAQLGK.Y	1509.921	0.00459	2	1	30.4	0
P12163_2_F2,15404 K.ANSLAQLGK.Y	1509.921	0.00989	2	1	52.9	0
P12163_2_F2,15416 K.ANSLAQLGK.Y	1509.921	0.01001	3	1	37.2	0
P12163_2_F2,15619 K.ANSLAQLGK.Y	1509.921	0.00561	2	1	52.3	0
P12163_2_F2,15661 K.ANSLAQLGK.Y	1509.921	0.00131	3	1	43.9	0
P12163_2_F2,15844 K.ANSLAQLGK.Y	1509.921	0.00645	2	1	53.7	0
P12163_2_F2,15903 K.ANSLAQLGK.Y	1509.921	0.00299	3	1	41.4	0

P12163_2_F2,16123	K.ANSLAQLGK.Y	1509.921	0.00645	2	1	27.7	0
P12163_2_F2,16175	K.ANSLAQLGK.Y	1509.921	0.01106	3	1	33.4	0
P12163_2_F4,94	K.ANSLAQLGK.Y	1509.921	0.00437	3	1	28.3	0
P12163_2_F4,253	K.ANSLAQLGK.Y	1509.921	0.00542	3	1	42.2	0
P12163_2_F4,274	K.ANSLAQLGK.Y	1509.921	0.00489	2	1	40.2	0
P12163_2_F4,432	K.ANSLAQLGK.Y	1509.921	0.0041	3	1	38.9	0
P12163_2_F4,14347	K.ANSLAQLGK.Y	1509.921	0.00521	3	1	37.6	0
P12163_2_F4,14389	K.ANSLAQLGK.Y	1509.921	0.00381	2	1	40	0
P12163_2_S5,13556	K.ANSLAQLGK.Y	1509.921	0.00152	3	1	30.1	0
P12163_2_S5,13734	K.ANSLAQLGK.Y	1509.921	0.00175	2	1	30.1	0
P12163_2_S5,13814	K.ANSLAQLGK.Y	1509.921	0.002	3	1	47.8	0
P12163_2_S5,14344	K.ANSLAQLGK.Y	1509.921	0.01082	3	1	22.4	0
P12163_2_S5,14353	K.ANSLAQLGK.Y	1509.921	0.00763	2	1	33.9	0
P12163_2_F2,13755	R.ALQNTCLK.T	1555.909	0.00252	2	1	28.9	0
P12163_1_F4,16685	R.EAAWGLAR.Y	1177.663	0.00413	2	1	26.5	0
P12163_2_F1,15419	R.EAAWGLAR.Y	1177.663	0.00229	2	1	26.1	0
P12163_2_F1,15656	R.EAAWGLAR.Y	1177.663	0.00227	2	1	28.4	0
P12163_1_S1,17982	R.LASIGLENTEANR.Q	1691.923	0.00219	2	1	38	0
P12163_1_S1,18039	R.LASIGLENTEANR.Q	1691.923	0.00593	3	1	37.8	0
P12163_1_F8,13303	K.ECPNAECGAGTFM*AI	2504.069	0.00252	3	1	43.4	0
P12163_2_S5,13015	K.ECPNAECGAGTFM*AI	2504.069	0.00306	3	1	30.4	0
P12163_1_F2,8461	K.EGIPPDQQR.L	1343.722	0.00348	2	1	24.7	0
P12163_1_F2,8819	K.EGIPPDQQR.L	1343.722	0.00186	2	1	31.4	0
P12163_1_F2,9402	K.EGIPPDQQR.L	1343.722	0.00464	2	1	24.9	0
P12163_1_S1,8571	K.EGIPPDQQR.L	1343.722	0.00366	2	1	24.2	0
P12163_1_S1,8795	K.EGIPPDQQR.L	1343.722	0.00362	2	1	28	0
P12163_1_S1,9673	K.EGIPPDQQR.L	1343.722	0.00446	2	1	27.2	0
P12163_1_F6,17512	K.ESTLHLVLR.L	1371.826	0.00506	3	1	32	0
P12163_1_F6,17616	K.ESTLHLVLR.L	1371.826	0.0033	2	1	38.6	0
P12163_1_F8,17242	K.ESTLHLVLR.L	1371.826	0.00389	3	1	45.5	0
P12163_1_F8,17254	K.ESTLHLVLR.L	1371.826	0.00334	2	1	32.5	0
P12163_2_F6,16554	K.ESTLHLVLR.L	1371.826	0.002	3	1	45.1	0
P12163_2_F6,16567	K.ESTLHLVLR.L	1371.826	0.00352	2	1	33.2	0
P12163_2_F6,17041	K.ESTLHLVLR.L	1371.826	-0.00094	3	1	39.1	0
P12163_2_F6,20405	K.ESTLHLVLR.L	1371.826	0.00074	3	1	35.7	0
P12163_2_F6,20850	K.ESTLHLVLR.L	1371.826	0.00263	3	1	25.3	0
P12163_2_F7,15271	K.ESTLHLVLR.L	1371.826	0.00359	3	1	42.5	0
P12163_1_F4,13534	R.TLADYNIQK.E	1673.968	0.00907	2	1	24.4	0
P12163_1_F4,16519	R.TLADYNIQK.E	1673.968	0.00656	3	1	28.7	0
P12163_1_F4,16540	R.TLADYNIQK.E	1673.968	0.00571	2	1	34.4	0
P12163_1_F5,15308	R.TLADYNIQK.E	1673.968	0.00763	2	1	35.6	0
P12163_1_F9,15481	R.TLADYNIQK.E	1673.968	0.00107	2	1	35.9	0
P12163_1_F9,15483	R.TLADYNIQK.E	1673.968	0.01085	3	1	27.1	0
P12163_2_F1,15639	R.TLADYNIQK.E	1673.968	0.00397	2	1	34.1	0
P12163_2_F9,14704	R.TLADYNIQK.E	1673.968	0.00662	3	1	28.2	0
P12163_1_F2,17000	K.IIIAGGNFGCGSSR.E	1712.906	0.00418	3	1	51.6	0
P12163_1_F2,18604	K.IIIAGGNFGCGSSR.E	1712.906	0.00364	3	1	46.2	0
P12163_1_S1,17658	K.IIIAGGNFGCGSSR.E	1712.906	0.00415	3	1	61.7	0
P12163_1_S1,17661	K.IIIAGGNFGCGSSR.E	1712.906	0.00387	2	1	24.6	0
P12163_1_F6,17322	R.EHAPVALGAAGCSAV	2490.271	0.00306	3	1	73.8	0
P12163_1_F6,17359	R.EHAPVALGAAGCSAV	2490.271	0.00551	4	1	39.2	0

P12163_1_F7,16412	R.EHAPVALGAAGCSAV	2490.271	-0.00081	3	1	85	0
P12163_1_F7,16456	R.EHAPVALGAAGCSAV	2490.271	0.00299	4	1	83.8	0
P12163_1_F8,183	R.EHAPVALGAAGCSAV	2490.271	0.00246	3	1	50.2	0
P12163_1_F8,17190	R.EHAPVALGAAGCSAV	2490.271	-0.00318	3	1	50.6	0
P12163_1_S10,1662	R.EHAPVALGAAGCSAV	2490.271	0.00186	3	1	51.1	0
P12163_1_S10,1666	R.EHAPVALGAAGCSAV	2490.271	0.00351	4	1	39.6	0
P12163_2_F10,1332	R.EHAPVALGAAGCSAV	2490.271	0.00587	4	1	25.7	0
P12163_2_F10,1557	R.EHAPVALGAAGCSAV	2490.271	0.00483	3	1	105	0
P12163_2_S5,13149	R.EHAPVALGAAGCSAV	2490.271	0.00304	4	1	39.2	0
P12163_2_S5,13476	R.EHAPVALGAAGCSAV	2490.271	-0.00005	4	1	51.5	0
P12163_2_S5,16004	R.EHAPVALGAAGCSAV	2490.271	0.00132	3	1	91.1	0
P12163_2_S5,16011	R.EHAPVALGAAGCSAV	2490.271	0.00499	4	1	46.2	0
P12163_2_F1,14110	R.FIDENETK.T	1603.879	0.00724	2	1	38.8	0
P12163_1_F5,9896	R.LINHTTGK.E	1491.91	0.00451	3	1	26.9	0
P12163_1_F5,9915	R.LINHTTGK.E	1491.91	0.01386	2	1	27.7	0
P12163_1_F9,10975	R.LINHTTGK.E	1491.91	0.00451	3	1	21.9	0
P12163_2_S5,10429	R.LINHTTGK.E	1491.91	0.00712	3	1	27.9	0
P12163_1_F4,21734	K.AEFPIFDK.V ! K.AEFPI	1574.904	0.00428	2	1	26.4	0
P12163_1_F4,21751	K.AEFPIFDK.V ! K.AEFPI	1574.904	-0.00508	3	1	25	0
P12163_1_F4,21925	K.AEFPIFDK.V ! K.AEFPI	1574.904	0.00614	2	1	25.2	0
P12163_1_F4,22647	K.AEFPIFDK.V ! K.AEFPI	1574.904	0.00794	2	1	29.1	0
P12163_1_F4,22984	K.AEFPIFDK.V ! K.AEFPI	1574.904	0.00758	3	1	24.4	0
P12163_1_F5,20713	K.AEFPIFDK.V ! K.AEFPI	1574.904	0.00546	2	1	27.1	0
P12163_1_F5,20757	K.AEFPIFDK.V ! K.AEFPI	1574.904	0.00521	3	1	23.4	0
P12163_1_F6,20663	K.AEFPIFDK.V ! K.AEFPI	1574.904	0.00316	2	1	29.6	0
P12163_1_F6,20709	K.AEFPIFDK.V ! K.AEFPI	1574.904	0.00356	3	1	25.1	0
P12163_1_F7,19441	K.AEFPIFDK.V ! K.AEFPI	1574.904	-0.00217	3	1	22.4	0
P12163_2_F1,21277	K.AEFPIFDK.V ! K.AEFPI	1574.904	0.00548	2	1	24.7	0
P12163_2_F1,21289	K.AEFPIFDK.V ! K.AEFPI	1574.904	0.0026	3	1	24.9	0
P12163_2_F4,18984	K.AEFPIFDK.V ! K.AEFPI	1574.904	0.00296	2	1	30.8	0
P12163_1_F4,19336	K.ELNVLYEK.Y	1615.951	0.00843	2	1	38.9	0
P12163_1_F4,20076	K.SIYDFTVK.D ! K.SLYD	1580.914	0.00877	3	1	22	0
P12163_1_F4,20205	K.SIYDFTVK.D ! K.SLYD	1580.914	0.00495	2	1	36.1	0
P12163_1_F4,20331	K.SIYDFTVK.D ! K.SLYD	1580.914	0.00514	3	1	25.8	0
P12163_1_F5,19008	K.SIYDFTVK.D ! K.SLYD	1580.914	0.00671	2	1	25.3	0
P12163_1_F9,18685	K.SIYDFTVK.D ! K.SLYD	1580.914	0.00927	2	1	28.9	0
P12163_2_F1,19705	K.SIYDFTVK.D ! K.SLYD	1580.914	0.00573	2	1	35.7	0
P12163_2_F1,19734	K.SIYDFTVK.D ! K.SLYD	1580.914	0.00436	3	1	25.7	0
P12163_2_F8_12070	K.SIYDFTVK.D ! K.SLYD	1580.914	0.00742	3	1	24.4	0
P12163_1_F3,23931	K.VLLVVNVASK.C	1650.077	0.00383	2	1	34	0
P12163_1_F2,17035	K.ALEDADLGADISK.K	1926.064	-0.00266	3	1	28.5	0
P12163_1_F2,17885	K.ALEDADLGADISK.K	1926.064	0.00376	3	1	41.2	0
P12163_1_F2,17952	K.ALEDADLGADISK.K	1926.064	0.00498	2	1	85.8	0
P12163_1_S1,17029	K.ALEDADLGADISK.K	1926.064	0.00727	3	1	68.6	0
P12163_1_S1,17071	K.ALEDADLGADISK.K	1926.064	-0.00136	2	1	60.7	0
P12163_1_S1,17376	K.ALEDADLGADISK.K	1926.064	0.00349	3	1	47.4	0
P12163_1_F3,16395	R.GFSAEGYIDGK.N	1751.942	0.00235	2	1	42.9	0
P12163_1_F4,17721	R.GFSAEGYIDGK.N	1751.942	0.00623	3	1	49.3	0
P12163_1_F4,17770	R.GFSAEGYIDGK.N	1751.942	0.00557	2	1	53	0
P12163_1_F7,15650	R.GFSAEGYIDGK.N	1751.942	-0.00325	3	1	22.6	0
P12163_1_F7,15662	R.GFSAEGYIDGK.N	1751.942	0.00219	2	1	25.7	0

P12163_1_F9,16643	R.GFSAEGYIDGK.N	1751.942	0.00956	3	1	25.5	0
P12163_1_F9,16675	R.GFSAEGYIDGK.N	1751.942	0.00747	2	1	50.3	0
P12163_1_S10,1662'	R.GFSAEGYIDGK.N	1751.942	0.00734	3	1	25.9	0
P12163_2_F1,16887	R.GFSAEGYIDGK.N	1751.942	0.00641	3	1	39.1	0
P12163_2_F9,15943	R.GFSAEGYIDGK.N	1751.942	0.00572	3	1	32.6	0
P12163_2_F8_12070	R.RLDDCLR.Y	1251.678	0.00594	3	1	28.7	0
P12163_1_F5,14424	R.YCIVAGK.K	1418.829	0.00907	2	1	24.5	0
P12163_1_F8,14570	R.YCIVAGK.K	1418.829	-0.00043	3	1	30	0
P12163_1_S10,1491'	R.YCIVAGK.K	1418.829	0.00521	3	1	36.8	0
P12163_1_F4,10779	K.AM*AGTPADVK.E	1584.888	0.01119	3	1	23.2	0
P12163_1_F4,10790	K.AM*AGTPADVK.E	1584.888	0.0099	2	1	28.6	0
P12163_1_F4,13321	K.AM*AGTPADVK.E	1584.888	0.01371	3	1	31.9	0
P12163_2_F1,9966	K.AM*AGTPADVK.E	1584.888	0.00588	3	1	35.8	0
P12163_2_F1,9969	K.AM*AGTPADVK.E	1584.888	0.00566	2	1	31.7	0
P12163_1_F4,13252	K.AMAGTPADVK.E	1568.893	0.00286	2	1	38.3	0
P12163_1_F4,13276	K.AMAGTPADVK.E	1568.893	0.00804	3	1	27.7	0
P12163_1_F5,11845	K.AMAGTPADVK.E	1568.893	0.00184	2	1	55.2	0
P12163_2_F1,9843	K.AMAGTPADVK.E	1568.893	0.00558	3	1	36.2	0
P12163_2_F1,12289	K.AMAGTPADVK.E	1568.893	0.00762	2	1	39.6	0
P12163_2_F1,12294	K.AMAGTPADVK.E	1568.893	0.00192	3	1	26.4	0
P12163_2_F1,12554	K.AMAGTPADVK.E	1568.893	0.0035	2	1	44	0
P12163_2_F4,11248	K.AMAGTPADVK.E	1568.893	-0.00438	3	1	29.5	0
P12163_2_F1,12587	K.LPPPEPK.K	1385.861	0.0053	3	1	27.5	0
P12163_1_F4,8306	K.SFNAPTR.T	1096.605	0.00144	3	1	38.2	0
P12163_1_F4,10227	K.SFNAPTR.T	1096.605	0.00309	3	1	23.5	0
P12163_2_F1,7432	K.SFNAPTR.T	1096.605	0.00351	3	1	38.1	0
P12163_1_F3,20454	K.VQVEDDNVLLISGER.I	1990.076	0.00068	2	1	63.8	0
P12163_1_F4,20550	K.VQVEDDNVLLISGER.I	1990.076	-0.00228	2	1	25.4	0
P12163_1_F4,19474	K.EIDYM*LK.K	1535.86	0.00529	2	1	26.5	0
P12163_2_F1,15548	K.EIDYM*LK.K	1535.86	0.00659	2	1	25.8	0
P12163_1_F9,18175	K.EIDYMLK.K	1519.865	0.00935	2	1	25.4	0
P12163_2_S5,16995	K.EIDYMLK.K	1519.865	0.00033	2	1	26.2	0
P12163_1_F2,16497	K.QGQCM*SFLIQKPTTT'	2653.379	0.00275	3	1	26.6	0
P12163_1_F2,17245	K.QGQCM*SFLIQKPTTT'	2653.379	0.00434	3	1	23.3	0
P12163_1_F2,17515	K.QGQCM*SFLIQKPTTT'	2653.379	0.00068	3	1	25.5	0
P12163_1_F2,18863	K.QGQCM*SFLIQKPTTT'	2653.379	0.00539	3	1	25.4	0
P12163_1_F2,17520	K.QGQCMSFLIQKPTTTT	2637.384	0.00596	3	1	25.9	0
P12163_1_F3,19459	K.QGQCMSFLIQKPTTTT	2637.384	0.00488	3	1	28.8	0
P12163_1_F5,15060	K.TWNPINNK.K	1594.916	0.00636	2	1	30.3	0
P12163_2_F2,15617	K.TWNPINNK.K	1594.916	0.00396	2	1	26.7	0
P12163_2_F2,15848	K.TWNPINNK.K	1594.916	0.0055	2	1	30.3	0
P12163_1_F5,13055	R.CLAFNNQK.Q	1602.888	0.01094	2	1	32.7	0
P12163_1_F5,13297	R.CLAFNNQK.Q	1602.888	0.00486	2	1	32.8	0
P12163_1_F6,14017	R.CLAFNNQK.Q	1602.888	0.00702	2	1	25.2	0
P12163_2_F2,13872	R.CLAFNNQK.Q	1602.888	0.00646	2	1	34	0
P12163_2_F2,13888	R.CLAFNNQK.Q	1602.888	0.00512	3	1	37.7	0
P12163_1_F4,20650	K.GM*ALLTAEFDK.I	1820.008	0.00477	3	1	24.5	0
P12163_1_F4,24687	K.GM*ALLTAEFDK.I	1820.008	0.00627	3	1	43.4	0
P12163_1_F4,24713	K.GM*ALLTAEFDK.I	1820.008	0.00608	2	1	33	0
P12163_1_F4,24697	K.GMALLTAEFDK.I	1804.013	0.00759	3	1	32.4	0
P12163_2_F1,24045	K.GMALLTAEFDK.I	1804.013	0.00228	3	1	32.3	0

P12163_1_F4,17428	K.YEEQLELK.I	1659.941	0.01143	2	1	29.6	0
P12163_1_F5,16148	K.YEEQLELK.I	1659.941	0.00753	2	1	31.3	0
P12163_1_F9,16399	K.YEEQLELK.I	1659.941	0.01131	2	1	24	0
P12163_2_F1,16543	K.YEEQLELK.I	1659.941	0.00397	2	1	36	0
P12163_2_F1,16545	K.YEEQLELK.I	1659.941	0.00436	3	1	26.8	0
P12163_1_F2,8902	R.TAGIPDAR.T	1104.631	0.00419	2	1	24.1	0
P12163_1_F2,8929	R.TAGIPDAR.T	1104.631	0.00308	3	1	26.2	0
P12163_1_F4,21620	R.TYILTLK.L ! R.TYLLTI	1459.934	0.00654	2	1	27.9	0
P12163_1_F4,21626	R.TYILTLK.L ! R.TYLLTI	1459.934	0.0037	3	1	24.7	0
P12163_1_F5,20535	R.TYILTLK.L ! R.TYLLTI	1459.934	0.00774	2	1	24.2	0
P12163_1_F5,20555	R.TYILTLK.L ! R.TYLLTI	1459.934	0.00751	3	1	25.7	0
P12163_1_F7,12059	K.SLCLACGSNTGDGTEF	2415.185	0.00396	3	1	40.1	0
P12163_1_F8,11185	K.SLCLACGSNTGDGTEF	2415.185	0.00512	4	1	34.5	0
P12163_1_F8,12505	K.SLCLACGSNTGDGTEF	2415.185	0.01113	3	1	42.9	0
P12163_1_F8,12567	K.SLCLACGSNTGDGTEF	2415.185	0.00464	4	1	25.5	0
P12163_2_F6,10966	K.SLCLACGSNTGDGTEF	2415.185	0.00444	3	1	34.9	0
P12163_2_F6,11001	K.SLCLACGSNTGDGTEF	2415.185	0.0032	4	1	33.2	0
P12163_1_F5,6755	K.SSPDAPK.L	1309.757	0.00669	2	1	33.6	0
P12163_2_F1,7287	K.SSPDAPK.L	1309.757	0.00477	2	1	33.5	0
P12163_2_F1,7305	K.SSPDAPK.L	1309.757	0.00521	3	1	21.9	0
P12163_1_F5,23039	R.AGGIFLPIVK.S	1623.045	0.00712	2	1	28.2	0
P12163_1_F7,21904	R.AGGIFLPIVK.S	1623.045	0.00757	3	1	30.2	0
P12163_2_F1,24136	R.AGGIFLPIVK.S	1623.045	0.00532	3	1	25.1	0
P12163_2_F1,24137	R.AGGIFLPIVK.S	1623.045	0.0069	2	1	38.2	0
P12163_1_F5,18697	R.IAYQFVK.L	1476.903	0.00632	2	1	27.8	0
P12163_2_F2,19353	R.IAYQFVK.L	1476.903	0.00804	2	1	27.1	0
P12163_2_F8_12070	R.IAYQFVK.L	1476.903	0.00634	2	1	25.1	0
P12163_1_F6,13175	K.SPEDHGVVSDLK.K	1891.038	0.00462	3	1	25.4	0
P12163_1_F8,13052	K.SPEDHGVVSDLK.K	1891.038	0.00638	2	1	42	0
P12163_2_F6,12627	K.SPEDHGVVSDLK.K	1891.038	0.00729	3	1	28.6	0
P12163_2_F6,12688	K.SPEDHGVVSDLK.K	1891.038	0.00357	2	1	32.5	0
P12163_1_S1,11599	K.TPEQIEADIR.R	1475.801	0.00388	3	1	43.5	0
P12163_1_S1,11871	K.TPEQIEADIR.R	1475.801	0.00328	3	1	44.1	0
P12163_1_S1,16099	K.TPEQIEADIR.R	1475.801	0.00457	2	1	32	0
P12163_1_S1,16118	K.TPEQIEADIR.R	1475.801	0.00097	3	1	46.3	0
P12163_1_F2,22138	K.YFSPSEAVEYGIIDK.V	2326.243	0.00982	3	1	46.7	0
P12163_2_F6,21750	K.YFSPSEAVEYGIIDK.V	2326.243	0.02527	3	1	26.4	0
P12163_2_F7,19672	K.YFSPSEAVEYGIIDK.V	2326.243	0.00148	2	1	24.6	0
P12163_1_F4,19466	R.AALPSSTIMIK.Q	1740.055	0.00623	2	1	40.2	0
P12163_1_F6,18238	R.AALPSSTIMIK.Q	1740.055	-0.00697	3	1	24.7	0
P12163_2_F1,18799	R.AALPSSTIMIK.Q	1740.055	0.00413	3	1	30.1	0
P12163_2_F1,18808	R.AALPSSTIMIK.Q	1740.055	0.0076	2	1	39.4	0
P12163_2_F4,17006	R.AALPSSTIMIK.Q	1740.055	-0.00145	3	1	26.1	0
P12163_1_F2,12139	K.TEPVPEDGVAQPK.K	1975.096	0.00383	2	1	44.6	0
P12163_1_F2,12210	K.TEPVPEDGVAQPK.K	1975.096	0.00573	3	1	43.5	0
P12163_1_S1,11548	K.TEPVPEDGVAQPK.K	1975.096	0.00573	3	1	43.1	0
P12163_2_S5,13882	K.TTLYTADNDSKPYVFI	3073.646	0.0252	4	1	27.2	0
P12163_1_F4,12252	R.GTNMTSSEIK.T	1675.914	0.00693	2	1	32.3	0
P12163_1_F5,10813	R.GTNMTSSEIK.T	1675.914	0.00769	2	1	33.9	0
P12163_2_F1,11329	R.GTNMTSSEIK.T	1675.914	0.00637	2	1	27.7	0
P12163_2_F1,11336	R.GTNMTSSEIK.T	1675.914	0.00729	3	1	36	0

P12163_2_F2,11663	R.GTNMTSSEIK.T	1675.914	0.00403	2	1	34	0
P12163_1_F4,15458	R.QNFEAYSLTK.K	1809	0.00679	3	1	36.8	0
P12163_1_F4,17641	R.QNFEAYSLTK.K	1809	0.0063	2	1	31.6	0
P12163_1_F5,16240	R.QNFEAYSLTK.K	1809	0.00588	2	1	42.3	0
P12163_1_F9,16495	R.QNFEAYSLTK.K	1809	0.00814	2	1	44.9	0
P12163_1_F9,16520	R.QNFEAYSLTK.K	1809	0.00595	3	1	47.7	0
P12163_2_F1,16600	R.QNFEAYSLTK.K	1809	0.00302	2	1	41.6	0
P12163_2_F9,15671	R.QNFEAYSLTK.K	1809	0.00646	3	1	38.5	0
P12163_1_F4,17283	K.LNPYLESGK.V	1628.947	0.00844	2	1	28.4	0
P12163_1_F5,15901	K.LNPYLESGK.V	1628.947	0.00618	3	1	26	0
P12163_1_F7,15017	K.LNPYLESGK.V	1628.947	0.00501	3	1	21.9	0
P12163_2_F9,15219	K.LNPYLESGK.V	1628.947	0.00744	2	1	36.6	0
P12163_2_F9,15229	K.LNPYLESGK.V	1628.947	0.009	3	1	29.1	0
P12163_1_F3,24225	K.VVAAALNPIDFK.R	1866.131	0.00667	2	1	28.1	0
P12163_1_F3,24279	K.VVAAALNPIDFK.R	1866.131	0.0041	3	1	60.2	0
P12163_1_F4,15273	R.EDQVLIK.V ! K.EDQVI	1452.888	0.0073	2	1	28.3	0
P12163_2_F4,13161	R.EDQVLIK.V ! K.EDQVI	1452.888	0.00294	2	1	26.7	0
P12163_1_F3,17276	R.SLGADLAIDYTK.E ! K	1875.068	0.00503	3	1	24.7	0
P12163_1_F3,17314	R.SLGADLAIDYTK.E ! K	1875.068	0.00527	2	1	26.1	0
P12163_1_F3,18413	R.SLGADLAIDYTK.E ! K	1875.068	0.00401	2	1	54.7	0
P12163_1_F3,18424	R.SLGADLAIDYTK.E ! K	1875.068	0.00386	3	1	54.1	0
P12163_1_F3,19779	R.SLGADLAIDYTK.E ! K	1875.068	-0.00285	2	1	56.8	0
P12163_1_F3,19856	R.SLGADLAIDYTK.E ! K	1875.068	0.00836	3	1	52.4	0
P12163_1_F4,15853	K.AVAVLGGTEGVK.G	1709.042	0.00703	3	1	25.4	0
P12163_1_F4,18745	K.AVAVLGGTEGVK.G	1709.042	0.0085	3	1	53.9	0
P12163_2_F1,14838	K.AVAVLGGTEGVK.G	1709.042	0.00589	3	1	23	0
P12163_2_F1,17910	K.AVAVLGGTEGVK.G	1709.042	0.00937	2	1	38.4	0
P12163_2_F1,17953	K.AVAVLGGTEGVK.G	1709.042	0.00532	3	1	65.9	0
P12163_2_F4,16098	K.AVAVLGGTEGVK.G	1709.042	-0.00158	3	1	46.9	0
P12163_1_F9,5266	K.EHGPPEDENR.H	1483.708	0.00257	2	1	28	0
P12163_2_F7,5222	K.EHGPPEDENR.H	1483.708	0.00307	2	1	30	0
P12163_2_F9,6310	K.EHGPPEDENR.H	1483.708	0.00344	3	1	32.1	0
P12163_1_S10,9055	K.GGHELK.T	1335.784	0.00625	3	1	23.2	0
P12163_1_F8,14742	R.AVVVHADPDDLK.G	1944.101	0.0068	3	1	31	0
P12163_1_F8,14762	R.AVVVHADPDDLK.G	1944.101	0.00586	2	1	79.5	0
P12163_2_S5,13434	R.AVVVHADPDDLK.G	1944.101	0.00854	3	1	32.6	0
P12163_2_S5,13438	R.AVVVHADPDDLK.G	1944.101	0.00551	4	1	23.5	0
P12163_2_S5,13515	R.AVVVHADPDDLK.G	1944.101	0.00524	2	1	75.9	0
P12163_1_F6,11513	K.VSANHVLGSGNCK.L	1951.064	0.0096	3	1	28.3	0
P12163_1_F6,11529	K.VSANHVLGSGNCK.L	1951.064	0.00137	2	1	26.1	0
P12163_2_F4,10556	K.VSANHVLGSGNCK.L	1951.064	0.00453	3	1	32	0
P12163_2_S3,10296	K.VSANHVLGSGNCK.L	1951.064	0.00897	3	1	31.3	0
P12163_2_S5,10792	K.VSANHVLGSGNCK.L	1951.064	0.00772	4	1	22.8	0
P12163_1_F5,7446	R.ASYQTSSK.A	1479.826	0.00425	2	1	31.8	0
P12163_2_F10,8636	R.ASYQTSSK.A	1479.826	0.00359	3	1	26.5	0
P12163_2_F2,8305	R.ASYQTSSK.A	1479.826	0.00601	2	1	30.8	0
P12163_2_F2,8334	R.ASYQTSSK.A	1479.826	0.00593	3	1	23.7	0
P12163_2_F8_1207C	R.ASYQTSSK.A	1479.826	0.00479	2	1	26.2	0
P12163_1_F3,15270	R.GVAAATVAFNAGDVK	1999.143	0.0055	3	1	36.8	0
P12163_1_F3,15296	R.GVAAATVAFNAGDVK	1999.143	0.00595	2	1	35.1	0
P12163_1_F3,18923	R.GVAAATVAFNAGDVK	1999.143	0.00556	3	1	44.1	0

P12163_1_F3,18933	R.GVAAATVAFNAGDVK	1999.143	-0.00593	2	1	62.9	0
P12163_1_F2,18807	R.TILEGTLVFDSANK.V	2116.211	-0.00053	3	1	23.8	0
P12163_1_F6,8786	K.ESPANNPGLHTAR.D	1667.877	0.00556	3	1	30.4	0
P12163_1_F8,6788	K.ESPANNPGLHTAR.D	1667.877	0.0022	3	1	31.8	0
P12163_1_F8,8546	K.ESPANNPGLHTAR.D	1667.877	0.00292	3	1	52.1	0
P12163_2_F6,6666	K.ESPANNPGLHTAR.D	1667.877	0.00136	3	1	29.5	0
P12163_2_F6,6697	K.ESPANNPGLHTAR.D	1667.877	-0.00366	4	1	32.3	0
P12163_2_F7,8023	K.ESPANNPGLHTAR.D	1667.877	0.00034	3	1	28.1	0
P12163_1_F8,19368	R.GFGHIGITVDDVYK.A	2129.185	-0.00001	4	1	25.2	0
P12163_1_F8,19386	R.GFGHIGITVDDVYK.A	2129.185	0.0039	3	1	54.9	0
P12163_2_F6,18920	R.GFGHIGITVDDVYK.A	2129.185	0.00177	3	1	44.6	0
P12163_1_F4,18814	R.LGVEFAK.K	1371.846	0.00555	2	1	27.6	0
P12163_2_F1,18101	R.LGVEFAK.K	1371.846	0.00603	2	1	28	0
P12163_1_F4,24052	R.VLGM*SLLK.R	1484.933	0.00758	3	1	26.9	0
P12163_2_F1,23501	R.VLGM*SLLK.R	1484.933	0.00698	3	1	29.6	0
P12163_2_F1,23458	R.VLGM*SLLK.R	1468.938	0.00433	2	1	29	0
P12163_2_F1,23541	R.VLGM*SLLK.R	1468.938	0.00362	3	1	28.3	0
P12163_1_F7,17682	K.ALCADHNVSLLTVPSA	2404.348	0.00149	3	1	49.8	0
P12163_1_F8,18576	K.ALCADHNVSLLTVPSA	2404.348	0.00503	4	1	24.5	0
P12163_2_S5,16837	K.ALCADHNVSLLTVPSA	2404.348	0.00267	4	1	29.6	0
P12163_2_S5,16887	K.ALCADHNVSLLTVPSA	2404.348	0.00074	3	1	54	0
P12163_1_F8,18013	K.DFGEESDGLNVVQQH	2523.33	0.00279	4	1	30.3	0
P12163_1_F8,18058	K.DFGEESDGLNVVQQH	2523.33	0.00412	3	1	90.8	0
P12163_2_F6,17579	K.DFGEESDGLNVVQQH	2523.33	-0.00072	3	1	29.2	0
P12163_2_S5,16758	K.DFGEESDGLNVVQQH	2523.33	0.01026	3	1	37.1	0
P12163_2_S5,16789	K.DFGEESDGLNVVQQH	2523.33	0.00139	4	1	49.7	0
P12163_1_F8,16665	K.HAAQLCVLAEDCNQP	2839.433	0.00272	3	1	33.3	0
P12163_1_F8,16725	K.HAAQLCVLAEDCNQP	2839.433	0.00774	4	1	27.6	0
P12163_2_F6,16196	K.HAAQLCVLAEDCNQP	2839.433	0.00428	3	1	48.7	0
P12163_2_F6,16242	K.HAAQLCVLAEDCNQP	2839.433	0.00474	4	1	41.6	0
P12163_2_F1,20220	K.TLGEWAGLCK.I	1742.972	0.00354	2	1	32	0
P12163_2_F1,20254	K.TLGEWAGLCK.I	1742.972	0.00938	3	1	28.3	0
P12163_1_F5,15423	K.LGLQNYTK.N	1544.926	0.00827	2	1	28.1	0
P12163_1_F9,15783	K.LGLQNYTK.N	1544.926	0.00769	2	1	27.3	0
P12163_2_F2,16231	K.LGLQNYTK.N	1544.926	0.00147	3	1	23.6	0
P12163_2_F2,16264	K.LGLQNYTK.N	1544.926	0.00621	2	1	34	0
P12163_1_F3,23214	K.VMSLVQLPQK.A	1751.071	-0.00106	2	1	47.4	0
P12163_1_F3,23264	K.VMSLVQLPQK.A	1751.071	0.00462	3	1	44.7	0
P12163_1_F8,21326	R.LLILDHIQR.D ! R.LLIL	1424.889	0.00117	3	1	66.4	0
P12163_1_F8,21415	R.LLILDHIQR.D ! R.LLIL	1424.889	0.00275	2	1	28.9	0
P12163_1_F8,21553	R.LLILDHIQR.D ! R.LLIL	1424.889	0.00195	3	1	36.6	0
P12163_1_F9,20719	R.LLILDHIQR.D ! R.LLIL	1424.889	0.0042	3	1	35.2	0
P12163_1_S10,1915	R.LLILDHIQR.D ! R.LLIL	1424.889	0.0024	3	1	30.9	0
P12163_2_F6,21079	R.LLILDHIQR.D ! R.LLIL	1424.889	0.0021	3	1	59.4	0
P12163_2_F8_12070	R.LLILDHIQR.D ! R.LLIL	1424.889	-0.00084	3	1	25.9	0
P12163_2_F8_12070	R.LLILDHIQR.D ! R.LLIL	1424.889	0.00264	3	1	29.4	0
P12163_1_F3,23346	R.NFAVITGVNAGISCVM	2389.319	0.00234	3	1	54.5	0
P12163_2_F6,19252	K.IFLHM*EEVR.R	1493.809	0.00224	3	1	42.3	0
P12163_2_F7,17305	K.IFLHM*EEVR.R	1493.809	-0.00304	3	1	24.5	0
P12163_2_F6,19131	K.IFLHM*EEVR.R	1477.814	0.00545	3	1	34.5	0
P12163_2_F6,19356	K.IFLHM*EEVR.R	1477.814	0.00473	3	1	37.5	0

P12163_2_F7,17308	K.IFLHMEEVR.R	1477.814	0.00272	3	1	33.8	0
P12163_1_F8,15971	K.M*ELQEIH DNIR.S	1717.884	0.00406	3	1	23.4	0
P12163_2_F6,15416	K.M*ELQEIH DNIR.S	1717.884	0.00319	3	1	46.8	0
P12163_1_F8,15906	K.MELQEIH DNIR.S	1701.889	0.00173	3	1	45	0
P12163_1_F8,15961	K.MELQEIH DNIR.S	1701.889	0.00633	2	1	32.9	0
P12163_2_F6,15369	K.MELQEIH DNIR.S	1701.889	0.00347	3	1	52.3	0
P12163_1_S1,20884	K.NAAGFCIIEGPETVQDI	2675.396	0.00809	3	1	53.2	0
P12163_1_S1,20970	K.NAAGFCIIEGPETVQDI	2675.396	0.00683	4	1	58.8	0
P12163_1_F2,15268	K.YCLGTGYLACAR.C	1708.845	-0.00148	3	1	23.4	0
P12163_1_F2,17996	K.YCLGTGYLACAR.C	1708.845	0.00557	2	1	29.7	0
P12163_1_F3,24133	K.ADFGAVMDV LK.K	1774.003	0.00452	3	1	43	0
P12163_1_F3,24142	K.ADFGAVMDV LK.K	1774.003	0.00269	2	1	35.2	0
P12163_2_F1,20236	K.TTWPYGS GVWSK.K	1977.069	0.00348	3	1	22.7	0
P12163_2_F1,20239	K.TTWPYGS GVWSK.K	1977.069	0.00435	2	1	44.5	0
P12163_1_F6,11211	K.TVVVSTAHLK.F ! R.	1720.058	0.00657	3	1	22	0
P12163_1_F6,14192	K.TVVVSTAHLK.F ! R.	1720.058	0.0096	3	1	31.3	0
P12163_1_F6,14217	K.TVVVSTAHLK.F ! R.	1720.058	0.00554	2	1	49.4	0
P12163_1_F8,14089	K.TVVVSTAHLK.F ! R.	1720.058	0.00723	3	1	43.7	0
P12163_1_F8,14120	K.TVVVSTAHLK.F ! R.	1720.058	0.0103	2	1	39.7	0
P12163_2_F6,13562	K.TVVVSTAHLK.F ! R.	1720.058	0.00468	2	1	50	0
P12163_2_F6,13594	K.TVVVSTAHLK.F ! R.	1720.058	0.003	3	1	44.3	0
P12163_2_S5,13000	K.TVVVSTAHLK.F ! R.	1720.058	0.00444	3	1	28.9	0
P12163_2_F2,10771	R.STTNNTFSAK.Y	1678.922	0.00663	2	1	29.9	0
P12163_1_F5,16181	K.HPSWVDIYNR.L	1590.833	-0.00444	3	1	34.9	0
P12163_2_F4,15496	K.HPSWVDIYNR.L	1590.833	0.00477	3	1	23.9	0
P12163_2_S5,15904	K.HPSWVDIYNR.L	1590.833	0.00303	3	1	24.6	0
P12163_1_S1,15582	R.EILTM*VYVQR.S	1571.877	-0.00009	3	1	28.2	0
P12163_1_S1,17668	R.EILTM*VYVQR.S	1571.877	-0.0003	3	1	34.8	0
P12163_1_S1,20873	R.EILTMVYVQR.S	1555.882	-0.00048	3	1	43.9	0
P12163_1_F7,12807	R.LAFPHAR.V	1115.663	0.00127	3	1	30	0
P12163_1_F9,13902	R.LAFPHAR.V	1115.663	0.00379	3	1	29.1	0
P12163_1_S10,1397	R.LAFPHAR.V	1115.663	0.00349	3	1	26.6	0
P12163_2_F8_1207	R.LAFPHAR.V	1115.663	-0.00107	3	1	27.7	0
P12163_2_F9,12723	R.LAFPHAR.V	1115.663	0.00406	3	1	26.4	0
P12163_2_F9,12945	R.LAFPHAR.V	1115.663	0.00271	3	1	32	0
P12163_2_F6,18699	R.SGKPLWV VSEDMER.I	2241.216	0.00332	3	1	25.4	0
P12163_1_F8,19613	K.DLLGVIGDCGDEYRR.	2042.028	0.00281	3	1	29.6	0
P12163_1_F8,19617	K.DLLGVIGDCGDEYRR.	2042.028	0.00329	2	1	31.9	0
P12163_1_F6,16527	K.HGVSIPV VAVR.Y	1437.884	0.00192	3	1	28.6	0
P12163_1_F8,16440	K.HGVSIPV VAVR.Y	1437.884	0.00372	3	1	44.4	0
P12163_2_F6,15896	K.HGVSIPV VAVR.Y	1437.884	0.00273	3	1	56.7	0
P12163_2_S5,14737	K.HGVSIPV VAVR.Y	1437.884	0.00237	3	1	22.3	0
P12163_1_F4,22926	K.M*AELCQLTG VK.L	1874.034	0.00412	3	1	42.4	0
P12163_1_F4,22875	K.MAELCQLTG VK.L	1858.039	0.00898	3	1	46.1	0
P12163_1_F4,22883	K.MAELCQLTG VK.L	1858.039	0.00559	2	1	48.3	0
P12163_2_F1,22350	K.MAELCQLTG VK.L	1858.039	0.00649	2	1	28.8	0
P12163_1_F8,17050	R.IDRDDAVDAML.R.Y	1693.884	0.00558	3	1	41.1	0
P12163_1_F8,17078	R.IDRDDAVDAML.R.Y	1693.884	0.00478	2	1	45.1	0
P12163_1_F4,9477	K.HATTVENATTANA.-	1604.818	0.0029	2	1	33.2	0
P12163_1_F9,8807	K.HATTVENATTANA.-	1604.818	0.00284	2	1	24.5	0
P12163_1_S10,9651	K.HATTVENATTANA.-	1604.818	0.00434	2	1	26.2	0

P12163_1_F3,26358	K.LMSPILSELAK.K	1810.097	0.00387	2	1	37.9	0
P12163_1_F3,26361	K.LMSPILSELAK.K	1810.097	0.0043	3	1	46.8	0
P12163_1_F3,25588	K.LPAVIFLK.V	1509.002	0.00501	3	1	35.8	0
P12163_2_F1,25571	K.LPAVIFLK.V	1509.002	0.00561	3	1	28.8	0
P12163_1_F4,16714	K.VDVDELK.S	1425.841	0.01205	2	1	28.1	0
P12163_1_F5,15198	K.VDVDELK.S	1425.841	0.00645	2	1	26.4	0
P12163_1_F7,14457	K.VDVDELK.S	1425.841	0.00482	3	1	24.3	0
P12163_1_F7,14461	K.VDVDELK.S	1425.841	0.00203	2	1	32	0
P12163_2_F4,14132	K.VDVDELK.S	1425.841	0.00116	3	1	22.1	0
P12163_1_F3,15615	K.AVAEALNER.I	1276.716	0.00374	2	1	35.4	0
P12163_1_F3,15871	K.AVAEALNER.I	1276.716	0.00351	2	1	34	0
P12163_2_F1,14856	K.AVAEALNER.I	1276.716	0.00339	2	1	40.1	0
P12163_2_F4,13970	K.AVAEALNER.I	1276.716	0.00073	2	1	31.7	0
P12163_1_S1,18594	K.QVQEFQEDVLER.A	1823.944	0.00294	3	1	52.8	0
P12163_1_S1,18680	K.QVQEFQEDVLER.A	1823.944	0.00396	2	1	70.2	0
P12163_1_S1,18693	K.QVQEFQEDVLER.A	1823.944	0.003	3	1	49.5	0
P12163_2_F2,10120	R.LQAEQK.Q	1452.863	0.00484	2	1	25.2	0
P12163_1_F3,21946	R.TVLDAFFLGK.A	1719.03	0.00404	2	1	29.5	0
P12163_1_F3,26377	R.TVLDAFFLGK.A	1719.03	0.00586	3	1	44	0
P12163_1_F3,26385	R.TVLDAFFLGK.A	1719.03	0.00506	2	1	59.9	0
P12163_1_F4,27295	R.TVLDAFFLGK.A	1719.03	0.00672	2	1	32.1	0
P12163_1_F2,6145	R.DGGYGGDGGSR.Y	1301.602	0.00239	2	1	49.7	0
P12163_1_F3,5031	R.DGGYGGDGGSR.Y	1301.602	0.0033	3	1	40.6	0
P12163_2_F1,4385	R.ESGGGGYGGSR.G	1344.645	0.00626	3	1	34.1	0
P12163_2_F1,5573	R.ESGGGGYGGSR.G	1344.645	0.00143	3	1	43.5	0
P12163_1_F4,5690	R.GSGGGGGGGYGSR.G	1329.645	0.00361	2	1	32.1	0
P12163_1_F5,4912	R.GSGGGGGGGYGSR.G	1329.645	0.00097	2	1	34.4	0
P12163_2_F2,5817	R.GSGGGGGGGYGSR.G	1329.645	0.00253	3	1	58.6	0
P12163_1_F2,7394	R.NITVNEAQR.G	1435.781	0.00403	3	1	38.2	0
P12163_1_F2,8865	R.NITVNEAQR.G	1435.781	0.00079	3	1	34.7	0
P12163_1_F2,10328	R.NITVNEAQR.G	1435.781	0.00016	2	1	26.8	0
P12163_1_F3,9102	R.NITVNEAQR.G	1435.781	0.01171	3	1	40.6	0
P12163_2_F1,10183	R.NITVNEAQR.G	1435.781	0.00346	2	1	28.4	0
P12163_1_F5,16074	K.AVISCFQK.L	1560.903	0.00743	3	1	24.3	0
P12163_1_F5,16100	K.AVISCFQK.L	1560.903	-0.00392	2	1	33.6	0
P12163_2_F2,16910	K.AVISCFQK.L	1560.903	0.00986	3	1	33.9	0
P12163_1_F6,13167	K.EIQVHGLSDR.E	1457.801	0.00076	3	1	33.8	0
P12163_1_F6,13244	K.EIQVHGLSDR.E	1457.801	-0.00101	2	1	26.7	0
P12163_1_F8,12996	K.EIQVHGLSDR.E	1457.801	0.00154	3	1	31.4	0
P12163_2_F6,10797	K.EIQVHGLSDR.E	1457.801	0.00031	3	1	28.5	0
P12163_2_F6,12525	K.EIQVHGLSDR.E	1457.801	0.00157	3	1	35.7	0
P12163_2_F6,12548	K.EIQVHGLSDR.E	1457.801	0.0032	2	1	43.8	0
P12163_1_F8,16924	K.NLHIPIM*VNSCTGK.M	2208.209	0.00406	3	1	42.3	0
P12163_1_F4,24251	R.ESVLASVFDK.Y	1702.984	0.00603	2	1	36.7	0
P12163_1_F4,24257	R.ESVLASVFDK.Y	1702.984	0.00466	3	1	28.4	0
P12163_1_S1,11102	K.ATSEETSSGTDQYVVI	2425.219	0.01323	4	1	46	0
P12163_1_S1,11489	K.ATSEETSSGTDQYVVI	2425.219	0.00493	3	1	27.5	0
P12163_1_F8,10417	K.ATSEETSSGTDQYVVI	2581.32	0.00465	4	1	43.4	0
P12163_2_S5,11437	K.ATSEETSSGTDQYVVI	2581.32	0.00657	4	1	57.2	0
P12163_2_S5,11458	K.ATSEETSSGTDQYVVI	2581.32	-0.00182	3	1	30.8	0
P12163_1_F4,10176	K.NVNNESAAAAPK.E	1893.065	0.01186	3	1	34.8	0

P12163_1_F4,12424	K.NVNNESAAAAPK.E	1893.065	0.00645	2	1	61.5	0
P12163_1_F7,10654	K.NVNNESAAAAPK.E	1893.065	-0.00266	3	1	32.7	0
P12163_2_F1,11482	K.NVNNESAAAAPK.E	1893.065	0.00429	2	1	65.1	0
P12163_2_F1,11549	K.NVNNESAAAAPK.E	1893.065	0.00595	3	1	53	0
P12163_1_F2,13541	R.DGATAAEDVPAVEK.N	1981.07	0.00387	3	1	33.6	0
P12163_2_F8_12070	K.DLVLHPDYLHTFYEST	2410.234	-0.00174	4	1	40.7	0
P12163_2_S5,19240	K.DLVLHPDYLHTFYEST	2410.234	-0.00254	4	1	40.3	0
P12163_2_S5,7033	R.HVGESDK.A	1379.774	0.00559	3	1	21.9	0
P12163_1_F5,19135	R.LDYIITNHVHPVAK.Q	2228.301	0.00378	4	1	42.6	0
P12163_1_F5,19181	R.LDYIITNHVHPVAK.Q	2228.301	0.00305	3	1	32.6	0
P12163_1_S10,1824	R.LDYIITNHVHPVAK.Q	2228.301	0.0029	4	1	22.3	0
P12163_2_F10,1709	R.LDYIITNHVHPVAK.Q	2228.301	0.00482	3	1	37.2	0
P12163_2_F4,18014	R.LDYIITNHVHPVAK.Q	2228.301	0.00515	3	1	38.2	0
P12163_2_S5,17757	R.LDYIITNHVHPVAK.Q	2228.301	0.00762	4	1	22.7	0
P12163_2_S5,17788	R.LDYIITNHVHPVAK.Q	2228.301	0.00695	3	1	25.2	0
P12163_1_F2,14205	R.LFGPQVASR.V	1278.747	0.00194	3	1	35.9	0
P12163_1_F4,20609	K.FLSLPLK.S	1399.877	-0.00065	3	1	23.7	0
P12163_2_S5,17460	K.FLSLPLK.S	1399.877	0.00349	3	1	21.9	0
P12163_2_F6,15638	K.LADEVDKEAPLSR.L	2051.159	0.00141	2	1	42.6	0
P12163_1_F4,13395	R.EACPTAEVYK.H	1775.946	0.00769	2	1	29.8	0
P12163_1_F4,13410	R.EACPTAEVYK.H	1775.946	0.00709	3	1	35.5	0
P12163_1_F5,12054	R.EACPTAEVYK.H	1775.946	0.01197	2	1	33.7	0
P12163_2_F1,12434	R.EACPTAEVYK.H	1775.946	0.00597	2	1	36.6	0
P12163_2_F1,12477	R.EACPTAEVYK.H	1775.946	0.00379	3	1	34.5	0
P12163_2_F9,12011	R.EACPTAEVYK.H	1775.946	0.02023	3	1	22.8	0
P12163_1_F8,13881	R.KQVEVVYDPDER.R	2085.144	0.0056	3	1	36.7	0
P12163_2_F6,13416	R.KQVEVVYDPDER.R	2085.144	0.00788	3	1	33.2	0
P12163_2_F7,12207	K.EFNPVAQSHSSTA.-	1678.834	0.00124	2	1	47.2	0
P12163_1_F5,14118	K.QNSNLQFVK.V	1685.979	0.00612	2	1	39.2	0
P12163_1_F5,14140	K.QNSNLQFVK.V	1685.979	0.00419	3	1	27.9	0
P12163_2_F2,14869	K.QNSNLQFVK.V	1685.979	0.00518	2	1	41.1	0
P12163_2_F2,14976	K.QNSNLQFVK.V	1685.979	0.00467	3	1	34	0
P12163_1_F9,11639	R.FAVDEHMK.K	1567.869	0.00886	3	1	28.9	0
P12163_1_F9,11658	R.FAVDEHMK.K	1567.869	0.00531	2	1	34.1	0
P12163_2_F9,11083	R.FAVDEHMK.K	1567.869	0.00582	3	1	30.9	0
P12163_1_S1,13653	R.NVEATANNQEIVNLAI	2060.104	0.00388	3	1	50.9	0
P12163_1_S1,15941	R.NVEATANNQEIVNLAI	2060.104	0.00307	3	1	71.5	0
P12163_1_S1,15950	R.NVEATANNQEIVNLAI	2060.104	0.00313	2	1	65.5	0
P12163_1_F4,15992	K.IASATSAIK.S	1469.915	0.0081	2	1	38.4	0
P12163_2_F1,15047	K.IASATSAIK.S	1469.915	0.006	2	1	34.6	0
P12163_2_F1,15083	K.IASATSAIK.S	1469.915	0.00853	3	1	35.5	0
P12163_1_F4,14379	K.TSCAASLAVK.F	1615.93	0.01079	2	1	30.7	0
P12163_1_F5,12980	K.TSCAASLAVK.F	1615.93	-0.00133	3	1	33.2	0
P12163_2_F1,13351	K.TSCAASLAVK.F	1615.93	0.00509	3	1	27	0
P12163_2_F2,13780	K.TSCAASLAVK.F	1615.93	0.00337	2	1	37	0
P12163_2_F2,13804	K.TSCAASLAVK.F	1615.93	0.00443	3	1	32.8	0
P12163_1_F7,16477	R.IVFDTAPTGHTRL.L	1731.97	0.00242	3	1	22.4	0
P12163_1_F8,17116	R.IVFDTAPTGHTRL.L	1731.97	0.00209	2	1	36.6	0
P12163_1_S1,19188	R.LIVNQIIPPSASDCK.F	2263.294	0.00517	3	1	35.9	0
P12163_1_F4,14407	K.IVYDEYNHER.Y	1641.817	0.01208	3	1	22.4	0
P12163_1_F6,13870	K.IVYDEYNHER.Y	1641.817	0.00491	3	1	37.8	0

P12163_2_F6,13078	K.IVYDEYNHER.Y	1641.817	-0.00118	3	1	27.8	0
P12163_1_S1,15616	K.LANSVDLGSLR.D	1448.837	0.00311	3	1	28.5	0
P12163_1_S1,18140	K.LANSVDLGSLR.D	1448.837	0.00064	2	1	24.4	0
P12163_1_S1,18201	K.LANSVDLGSLR.D	1448.837	0.00188	3	1	26.6	0
P12163_1_S1,6992	R.DPQQDAER.V	1262.628	0.00576	2	1	30.1	0
P12163_1_F2,16608	R.NEESLVPGPATVAA\	2289.327	0.00782	3	1	25.3	0
P12163_1_F2,19846	R.NEESLVPGPATVAA\	2289.327	0.005	3	1	27.3	0
P12163_1_S1,18320	R.NEESLVPGPATVAA\	2289.327	0.00547	2	1	40.7	0
P12163_2_S5,12161	K.DVMEM*HVGAVQAGI	1948.952	0.00028	3	1	28.3	0
P12163_1_F7,14858	K.DVMEMHVGAVQAGE	1932.957	0.00493	3	1	33.7	0
P12163_1_F8,15575	K.DVMEMHVGAVQAGE	1932.957	-0.00248	2	1	46.2	0
P12163_1_F8,15601	K.DVMEMHVGAVQAGE	1932.957	0.00355	3	1	49.1	0
P12163_2_S5,14591	K.DVMEMHVGAVQAGE	1932.957	0.00754	3	1	41.6	0
P12163_2_S5,14638	K.DVMEMHVGAVQAGE	1932.957	0.0015	2	1	46.8	0
P12163_1_S1,16509	K.NISVVAGIEAR.G	1432.842	0.00272	3	1	62.3	0
P12163_1_S1,19819	R.DTIDLFVER.Y	1411.773	0.00398	2	1	43.7	0
P12163_1_F3,14604	R.IAGISSAIR.V	1191.736	0.00496	3	1	36.2	0
P12163_2_F1,18546	R.IAGISSAIR.V	1191.736	0.004	2	1	24.2	0
P12163_1_F2,9547	K.IPIDSNTR.L	1219.695	0.00758	3	1	29.9	0
P12163_1_F2,10792	K.IPIDSNTR.L	1219.695	-0.0025	3	1	33.9	0
P12163_1_F2,13092	K.IPIDSNTR.L	1219.695	0.00326	2	1	23.9	0
P12163_2_F1,16438	K.LGYEVVDK.V	1530.899	0.00287	3	1	26.5	0
P12163_1_F8,12674	R.LQVHGELDTR.V	1471.817	0.00691	2	1	31.1	0
P12163_2_F6,10925	R.LQVHGELDTR.V	1471.817	0.00246	3	1	24.8	0
P12163_2_F6,12213	R.LQVHGELDTR.V	1471.817	0.00057	3	1	37.3	0
P12163_2_F6,12246	R.LQVHGELDTR.V	1471.817	0.00231	2	1	30.3	0
P12163_1_S1,15230	R.VGAPSYVSAM*IR.H	1570.856	0.00917	3	1	22.2	0
P12163_1_S1,18886	R.VGAPSYVSAMIR.H	1554.862	-0.00429	2	1	40.1	0
P12163_1_F4,15877	K.FLADGSAK.Y	1416.831	0.00999	2	1	30.8	0
P12163_1_F5,14890	K.FLADGSAK.Y	1416.831	0.00691	3	1	30	0
P12163_2_F1,14882	K.FLADGSAK.Y	1416.831	0.01021	2	1	25.2	0
P12163_2_S5,14080	K.FLADGSAK.Y	1416.831	0.00382	3	1	33.2	0
P12163_1_S1,24123	K.VILFGVPGAFTPTCSLK	2415.393	0.00581	3	1	58.3	0
P12163_1_S1,24145	K.VILFGVPGAFTPTCSLK	2415.393	0.00323	4	1	41.3	0
P12163_1_F4,27906	R.FALLVDDLK.V	1642.004	0.00702	3	1	37	0
P12163_1_F4,27915	R.FALLVDDLK.V	1642.004	0.00583	2	1	52.9	0
P12163_1_F7,24332	R.FALLVDDLK.V	1642.004	0.00282	3	1	29.5	0
P12163_2_F9,19805	R.FALLVDDLK.V	1798.105	0.00576	3	1	29.7	0
P12163_1_F3,23294	K.EIENGILWEVEGK.W	2124.18	-0.00379	3	1	38.6	0
P12163_1_F5,9100	K.NIEGATK.F	1340.799	0.00594	2	1	25.3	0
P12163_1_S1,19190	K.VVDIVDTFR.L	1367.784	0.00113	3	1	40.8	0
P12163_1_S1,23402	K.VVDIVDTFR.L	1367.784	0.00311	3	1	48.9	0
P12163_1_S1,23581	K.VVDIVDTFR.L	1367.784	0.00403	2	1	35.5	0
P12163_1_F4,15866	R.LQEPAFDK.K	1683.953	0.00065	2	1	32.9	0
P12163_1_F4,15913	R.LQEPAFDK.K	1683.953	0.00254	3	1	32.1	0
P12163_1_F4,16067	R.LQEPAFDK.K	1683.953	-0.00159	2	1	32.4	0
P12163_2_F1,14976	R.LQEPAFDK.K	1683.953	0.00213	2	1	35.4	0
P12163_2_F1,15190	R.LQEPAFDK.K	1683.953	0.00483	2	1	31.9	0
P12163_1_F4,18086	K.ANVFLDSSGK.H	1645.937	0.00443	2	1	41.6	0
P12163_1_F4,18106	K.ANVFLDSSGK.H	1645.937	0.00569	3	1	41.1	0
P12163_2_F1,17294	K.ANVFLDSSGK.H	1645.937	0.00367	2	1	32.6	0

P12163_1_F5,16352	K.NLGLNVVK.A	1464.936	0.00587	3	1	24	0
P12163_2_F2,17109	K.NLGLNVVK.A	1464.936	0.00851	2	1	26	0
P12163_2_F2,17133	K.NLGLNVVK.A	1464.936	0.00707	3	1	31.5	0
P12163_1_F3,27948	R.LGALIDTM*NALK.D!	1884.108	0.00351	3	1	28.3	0
P12163_1_F3,27942	R.LGALIDTMNALK.D!R	1868.113	0.00534	3	1	37.2	0
P12163_1_F3,28117	R.LGALIDTMNALK.D!R	1868.113	0.00333	3	1	48.9	0
P12163_2_F1,11505	R.RPTTEEASF.-	1341.695	0.00359	2	1	25.6	0
P12163_2_F1,11161	K.DAPAVVK.S	1307.814	0.00412	3	1	32.1	0
P12163_1_F2,22522	K.NILEIDYPTGPFGTK.D	2273.264	0.01018	3	1	44.6	0
P12163_2_F6,22204	K.NILEIDYPTGPFGTK.D	2273.264	0.00268	3	1	45.4	0
P12163_1_F4,19170	R.EELEAELEGK.N	1754.963	0.00643	3	1	36.8	0
P12163_2_F1,18463	R.EELEAELEGK.N	1754.963	0.00418	3	1	36.5	0
P12163_2_F1,18469	R.EELEAELEGK.N	1754.963	0.00182	2	1	27.3	0
P12163_1_F8,12663	R.VEDVNPVATGHER.E	1726.903	0.00269	3	1	41.5	0
P12163_2_F6,12249	R.VEDVNPVATGHER.E	1726.903	0.00173	3	1	47.3	0
P12163_2_F6,12258	R.VEDVNPVATGHER.E	1726.903	0.00608	2	1	43	0
P12163_1_F3,14852	K.AQILAER.L	1104.668	0.00329	2	1	26.8	0
P12163_1_F3,18852	K.LIavgvgtpnk.A	1677.052	0.00819	2	1	50.2	0
P12163_1_F3,18862	K.LIavgvgtpnk.A	1677.052	0.00412	3	1	37.5	0
P12163_1_F4,19333	K.LIavgvgtpnk.A	1677.052	0.00727	3	1	34.5	0
P12163_2_F1,18585	K.LIavgvgtpnk.A	1677.052	0.00554	3	1	29.8	0
P12163_1_F4,21270	R.SSVLQQGGM*FVFK.G	2052.141	-0.00374	3	1	31.4	0
P12163_1_F4,23806	R.SSVLQQGGMFVFK.G	2036.146	0.00436	3	1	40	0
P12163_2_F1,23260	R.SSVLQQGGMFVFK.G	2036.146	0.004	3	1	34	0
P12163_1_F5,16556	R.TFFNPASAK.V	1590.91	0.00883	2	1	26.1	0
P12163_1_F3,17619	K.AQETVSSNSVVVFSK.	2190.223	0.00204	3	1	48.7	0
P12163_1_F6,9322	K.HIGGCDSTTALHR.E	1728.875	0.00087	3	1	34.9	0
P12163_2_S3,8502	K.HIGGCDSTTALHR.E	1728.875	-0.00489	3	1	73.1	0
P12163_1_F2,24061	K.LVPLLTEAGAVAK.T	1890.188	0.00458	3	1	52.3	0
P12163_1_F5,23700	K.LVPLLTEAGAVAK.T	1890.188	0.00323	3	1	28.9	0
P12163_1_F5,23935	K.LVPLLTEAGAVAK.T	1890.188	0.00365	3	1	32.7	0
P12163_1_S1,23015	K.LVPLLTEAGAVAK.T	1890.188	0.00722	3	1	38.1	0
P12163_1_F4,19496	K.TVPNVFIGGK.H!R.TV	1639.999	0.00352	2	1	26.1	0
P12163_2_F1,18856	K.TVPNVFIGGK.H!R.TV	1639.999	0.0102	2	1	32	0
P12163_1_F3,24946	K.DFDLILAMDK.Q	1789.003	0.00458	2	1	35.4	0
P12163_1_F3,24947	K.DFDLILAMDK.Q	1789.003	0.00324	3	1	32.3	0
P12163_1_F6,17160	K.FNIDSAGTIDYHEGNP,	2483.174	0.00668	3	1	69.7	0
P12163_1_F8,17065	K.FNIDSAGTIDYHEGNP,	2483.174	-0.00385	3	1	47.4	0
P12163_2_F10,1404	K.FNIDSAGTIDYHEGNP,	2483.174	0.00156	4	1	35.3	0
P12163_2_F10,1554	K.FNIDSAGTIDYHEGNP,	2483.174	0.00239	3	1	78.6	0
P12163_2_F4,15917	K.FNIDSAGTIDYHEGNP,	2483.174	0.00182	3	1	48.4	0
P12163_2_F6,10568	R.EQLPEEAHK.K	1688.943	0.00512	3	1	35.6	0
P12163_1_F3,11019	R.SPAAEGVFR.D	1237.684	0.00113	3	1	26.5	0
P12163_1_F3,22909	R.DILLEYVK.N	1600.977	0.00751	2	1	34.5	0
P12163_2_F1,23077	R.DILLEYVK.N	1600.977	0.00559	2	1	36.5	0
P12163_1_F3,17772	R.LLAVSDPGQM*K.T	1783.024	0.01329	2	1	38	0
P12163_1_F3,19849	R.LLAVSDPGQMK.T	1767.029	0.00533	2	1	39.3	0
P12163_1_F4,14690	R.VLGTTPK.L	1319.851	0.00675	2	1	27.6	0
P12163_2_F1,13612	R.VLGTTPK.L	1319.851	0.00523	2	1	30.6	0
P12163_2_F2,3671	R.VLGTTPK.L	1319.851	0.00841	2	1	36.1	0
P12163_1_F5,12996	R.WNNVSGPEK.I	1638.906	0.00544	2	1	27.4	0

P12163_2_F2,13766	R.WNNVSGPEK.I	1638.906	0.00754	2	1	29.1	0
P12163_1_F2,13691	K.GGAPADYQPSFR.G	1569.796	0.00235	2	1	49.5	0
P12163_1_F8,19564	K.HPEIDVPNLQVIK.L	2110.248	-0.00014	3	1	29.8	0
P12163_1_F8,19575	K.HPEIDVPNLQVIK.L	2110.248	0.00344	4	1	23.6	0
P12163_2_F6,19186	K.HPEIDVPNLQVIK.L	2110.248	0.0032	4	1	28.5	0
P12163_1_F4,20635	K.YLFQEGVCYAK.K	1986.061	0.00384	2	1	56.2	0
P12163_1_F4,20672	K.YLFQEGVCYAK.K	1986.061	0.00655	3	1	37.4	0
P12163_1_F9,19152	K.YLFQEGVCYAK.K	1986.061	0.00352	3	1	31.6	0
P12163_2_F9,18138	K.YLFQEGVCYAK.K	1986.061	0.00487	3	1	45.5	0
P12163_2_F1,10372	R.GAGGDFGDK.G	1431.769	0.00695	2	1	38.6	0
P12163_1_F5,18905	K.AFEYMKV.K	1495.844	0.00621	2	1	23.9	0
P12163_1_F5,18924	K.AFEYMKV.K	1495.844	0.00635	3	1	22.4	0
P12163_1_F3,12665	K.GQTPLFPR.I	1219.71	0.00393	3	1	28.3	0
P12163_1_F3,12927	K.GQTPLFPR.I	1219.71	0.00255	3	1	27	0
P12163_1_F3,15952	K.GQTPLFPR.I	1219.71	0.00645	2	1	27	0
P12163_1_F4,13036	K.GQTPLFPR.I	1219.71	0.00441	3	1	28.9	0
P12163_2_F1,11929	K.GQTPLFPR.I	1219.71	0.00453	3	1	31	0
P12163_1_F3,20583	K.INPLAPLDK.V	1588.988	0.00394	2	1	25.4	0
P12163_1_F4,22472	R.TDLYFWESK.G	1796.968	0.00667	2	1	24.8	0
P12163_1_F4,23404	K.DTFWPIVK.A	1613.951	0.01708	2	1	24.4	0
P12163_2_F1,22822	K.DTFWPIVK.A	1613.951	0.0109	2	1	26	0
P12163_2_F1,8419	K.EVTGAK.L	1212.741	0.00544	3	1	26.7	0
P12163_1_F5,8676	K.LDCNQENK.S ! K.LDCN	1628.852	0.00698	2	1	26.4	0
P12163_2_F1,9242	K.LDCNQENK.S ! K.LDCN	1628.852	0.00722	2	1	25.3	0
P12163_1_F4,22446	K.YSDVIFLK.L	1592.951	0.00755	2	1	36.6	0
P12163_1_F9,20548	K.YSDVIFLK.L	1592.951	0.00737	2	1	30.2	0
P12163_1_F9,20549	K.YSDVIFLK.L	1592.951	0.00491	3	1	22.3	0
P12163_2_F1,21878	K.YSDVIFLK.L	1592.951	0.00389	2	1	32.5	0
P12163_1_F3,18323	K.AIEAVPDLK.A	1563.957	0.00651	2	1	37.5	0
P12163_1_F3,18338	K.AIEAVPDLK.A	1563.957	0.00544	3	1	34.1	0
P12163_1_F2,24161	K.QLPSGLLLVSGPFK.I	2064.268	0.00039	3	1	51.6	0
P12163_1_F3,25379	K.QLPSGLLLVSGPFK.I	2064.268	0.00669	3	1	51.2	0
P12163_1_F3,25430	K.QLPSGLLLVSGPFK.I	2064.268	0.00197	2	1	32.4	0
P12163_1_F3,16458	K.VDISGVNVDK.F	1653.963	0.0038	2	1	47.5	0
P12163_1_F4,15221	R.VNQSIVIGTSTK.V	1905.09	0.00599	2	1	60	0
P12163_1_F4,15227	R.VNQSIVIGTSTK.V	1905.09	0.00522	3	1	45.4	0
P12163_2_F1,14134	R.VNQSIVIGTSTK.V	1905.09	0.00033	2	1	52.1	0
P12163_1_F5,22141	K.MVEAFWK.E	1518.86	0.0045	2	1	29.8	0
P12163_2_F2,22345	K.MVEAFWK.E	1518.86	0.00694	3	1	22.4	0
P12163_2_F2,22366	K.MVEAFWK.E	1518.86	0.00844	2	1	26.9	0
P12163_1_F3,24708	K.NPLWNCAGIAAISAMI	2325.267	0.00568	3	1	60.6	0
P12163_1_F6,18894	K.VDPSVHPGEVSISEVIC	2641.466	0.0007	3	1	40.5	0
P12163_1_S10,1767	K.VDPSVHPGEVSISEVIC	2641.466	0.00696	4	1	25.6	0
P12163_2_F4,17684	K.VDPSVHPGEVSISEVIC	2641.466	0.00451	3	1	23.9	0
P12163_1_F3,20590	R.APLIPGMEAVK.K	1734.044	0.00676	2	1	29	0
P12163_1_F3,20597	R.APLIPGMEAVK.K	1734.044	0.00008	3	1	47.9	0
P12163_1_F7,12012	K.DATDDFEDVGHSDSAI	2040.905	0.00419	3	1	60	0
P12163_1_F7,12018	K.DATDDFEDVGHSDSAI	2040.905	0.00305	2	1	63.9	0
P12163_2_F4,11597	K.DATDDFEDVGHSDSAI	2040.905	0.00332	3	1	52.8	0
P12163_2_F4,11622	K.DATDDFEDVGHSDSAI	2040.905	0.00065	2	1	66.5	0
P12163_2_F8,12070	K.DATDDFEDVGHSDSAI	2040.905	0.00509	3	1	36.4	0

P12163_1_F9,13795	K.VHDFQEVAK.H	1680.953	0.0052	2	1	34.1	0
P12163_1_F9,13800	K.VHDFQEVAK.H	1680.953	0.00757	3	1	42.4	0
P12163_1_F7,14633	K.YHIGEIDSSSVPAK.R	2111.159	0.00594	3	1	37.2	0
P12163_1_F4,21055	R.DDCWLVISGK.V	1800.977	0.01081	2	1	42.3	0
P12163_1_F2,15014	K.ALQPLPAAADGNDK.S	1989.122	-0.00172	2	1	28.2	0
P12163_1_F2,15071	K.ALQPLPAAADGNDK.S	1989.122	0.00711	3	1	40	0
P12163_1_S1,14124	K.ALQPLPAAADGNDK.S	1989.122	0.00272	2	1	40.2	0
P12163_1_F2,22880	K.DYGLIDGVIM*NPLK.A	2172.219	0.00443	3	1	23.8	0
P12163_1_F2,23958	K.DYGLIDGVIM*NPLK.A	2172.219	0.00539	3	1	40	0
P12163_1_S1,21669	K.DYGLIDGVIM*NPLK.A	2172.219	0.00359	3	1	38.8	0
P12163_1_S1,21781	K.DYGLIDGVIM*NPLK.A	2172.219	0.00441	4	1	48.6	0
P12163_2_F6,15620	K.INQDTRDYFMSPK.E	2338.196	0.00072	2	1	36.1	0
P12163_1_S10,1602	R.DYFMSPK.E	1495.807	0.00639	3	1	26	0
P12163_1_F3,12484	K.DTPDAPAMAAK.K	1695.92	0.00729	3	1	26.1	0
P12163_1_F3,9544	K.QLGPVTR.N	1074.657	0.00227	3	1	25.7	0
P12163_1_F3,23678	R.AGGVFLPIIK.S	1623.045	0.00604	3	1	35.5	0
P12163_1_F4,24511	R.AGGVFLPIIK.S	1623.045	0.00722	2	1	28.2	0
P12163_1_F4,24541	R.AGGVFLPIIK.S	1623.045	0.00682	3	1	35.6	0
P12163_2_F1,23919	R.AGGVFLPIIK.S	1623.045	0.00733	3	1	36.7	0
P12163_2_F1,23923	R.AGGVFLPIIK.S	1623.045	0.00744	2	1	35.6	0
P12163_1_F4,21646	R.IATYFVK.W	1449.893	0.00279	2	1	25.1	0
P12163_1_F9,20149	R.IATYFVK.W	1449.893	0.00915	2	1	30.3	0
P12163_1_F3,17627	K.AAAIGANNQAAQSILK	2149.255	0.00582	3	1	85.2	0
P12163_2_F1,17417	K.AAAIGANNQAAQSILK	2149.255	0.00739	2	1	104	0
P12163_2_F1,17424	K.AAAIGANNQAAQSILK	2149.255	0.00429	3	1	88.2	0
P12163_2_F1,7286	K.HGVTQPAAETS.-	1401.728	0.00471	2	1	36.7	0
P12163_2_F2,7548	K.HGVTQPAAETS.-	1401.728	-0.00137	2	1	30	0
P12163_1_F4,15892	K.YQVCSPEALSK.L	1890.025	0.01284	2	1	35.9	0
P12163_1_F4,15914	K.YQVCSPEALSK.L	1890.025	0.01027	3	1	43	0
P12163_2_F1,15059	K.YQVCSPEALSK.L	1890.025	0.0079	2	1	30	0
P12163_2_F1,18597	R.EEAVQLALK.V	1608.978	0.00142	2	1	44.5	0
P12163_1_F9,19592	K.SISNLLITK.Q	1597.014	0.0038	3	1	27.1	0
P12163_2_F1,12234	R.ATSDPQIYK.K	1630.926	0.00508	2	1	33.3	0
P12163_1_F4,23317	R.AVM*SELFGK.A	1605.913	0.00649	3	1	23.9	0
P12163_1_F4,23278	R.AVMSELFGK.A	1589.918	0.00672	2	1	37.3	0
P12163_1_F4,23279	R.AVMSELFGK.A	1589.918	0.00577	3	1	25.1	0
P12163_1_F5,21938	R.AVMSELFGK.A	1589.918	0.00652	3	1	26.4	0
P12163_2_F1,22688	R.AVMSELFGK.A	1589.918	-0.00113	3	1	29.5	0
P12163_1_F5,7758	R.DHVHALSK.G	1514.89	0.0082	2	1	35.5	0
P12163_2_S5,7138	R.DHVHALSK.G	1514.89	0.00317	4	1	31.2	0
P12163_1_F4,19777	K.IFGPGNQYVTAAM	1974.127	0.01251	3	1	42.8	0
P12163_1_F9,18363	K.IFGPGNQYVTAAM	1974.127	0.00942	3	1	32.1	0
P12163_2_F1,19162	K.IFGPGNQYVTAAM	1974.127	0.01206	3	1	24.7	0
P12163_2_F1,19203	K.IFGPGNQYVTAAM	1974.127	0.01258	2	1	41.7	0
P12163_1_F5,11856	K.SAETSVENMK.G	1703.909	0.01244	2	1	50.6	0
P12163_2_F1,12235	K.SAETSVENMK.G	1703.909	0.00553	3	1	25.1	0
P12163_1_F7,19891	R.LSELTHVEVQSLK.A	2091.227	0.00145	3	1	28.6	0
P12163_1_F3,24421	R.MYGGVSLDSFLK.Y	1925.066	0.00304	2	1	35.4	0
P12163_1_F4,20502	K.LVPVGYGIK.K	1553.988	0.00408	3	1	28.5	0
P12163_2_F1,19960	K.LVPVGYGIK.K	1553.988	0.00411	3	1	26.2	0
P12163_1_F5,17298	K.SLDQYLSGK.S	1618.926	0.00586	2	1	38.6	0

P12163_1_F4,14829	K.SYISGNQLTK.D	1718.99	0.00566	2	1	48.2	0
P12163_1_F5,13547	K.SYISGNQLTK.D	1718.99	0.00392	2	1	44.6	0
P12163_2_F1,13823	K.SYISGNQLTK.D	1718.99	0.0077	2	1	48.6	0
P12163_1_F7,17270	M.AITFSDLHTESGLK.S	2127.191	0.00819	3	1	22.1	0
P12163_2_F6,17595	M.AITFSDLHTESGLK.S	2127.191	0.00474	3	1	28.1	0
P12163_1_F3,24440	K.AFGM*QTLCVLLGK.E	2062.165	-0.00685	3	1	38	0
P12163_1_F3,27058	K.AFGM*QTLCVLLGK.E	2062.165	0.00002	3	1	25.2	0
P12163_1_F3,27053	K.AFGMQTLCVLLGK.E	2046.17	0.00314	3	1	38.1	0
P12163_1_F3,14679	K.DIPDVEGDK.A ! K.DIP	1595.874	0.00691	2	1	35.9	0
P12163_1_F9,14693	K.LNAISHVTR.Y	1314.779	0.00525	3	1	37.5	0
P12163_2_F4,13926	K.LNAISHVTR.Y	1314.779	0.00242	3	1	34.2	0
P12163_2_F7,13348	K.LNAISHVTR.Y	1314.779	0.0021	3	1	44.7	0
P12163_2_S5,12394	R.KLNAISHVTR.Y	1747.08	-0.00016	4	1	31	0
P12163_2_F6,22733	K.IHLFDIDIPGK.I	1876.115	0.00324	4	1	26	0
P12163_1_F4,19822	K.ITFIESK.S	1445.882	-0.00049	2	1	29	0
P12163_1_F5,18978	K.ITFIESK.S	1445.882	0.00467	2	1	31.1	0
P12163_1_F5,18996	K.ITFIESK.S	1445.882	0.00681	3	1	22.6	0
P12163_2_F1,19182	K.ITFIESK.S	1445.882	0.00427	2	1	27.2	0
P12163_2_F1,19375	K.ITFIESK.S	1445.882	0.00493	2	1	31	0
P12163_1_S1,18326	R.APPALPLPTPPVAK.F	1977.236	0.00606	3	1	23.4	0
P12163_1_S10,7180	R.NIAHAR.R	985.5844	0.00241	3	1	25.4	0
P12163_1_F4,19317	K.ASDFMQLEK.G	1676.914	0.00812	2	1	32.5	0
P12163_1_F4,19151	K.EQIAQIMAK.L	1639.966	0.00603	2	1	32	0
P12163_1_F4,19178	K.EQIAQIMAK.L	1639.966	0.00659	3	1	36.1	0
P12163_2_F1,18364	K.EQIAQIMAK.L	1639.966	0.00553	2	1	46.5	0
P12163_2_F1,18392	K.EQIAQIMAK.L	1639.966	0.00731	3	1	29	0
P12163_1_F9,6914	K.REEEAAAAANR.D	1491.782	0.00509	2	1	44.6	0
P12163_1_F4,14091	K.VVEQEVTK.V	1539.92	0.00265	2	1	37.3	0
P12163_2_F1,13056	K.VVEQEVTK.V	1539.92	0.00475	3	1	31.6	0
P12163_1_F3,19082	K.DYSQGELSGILK.D	1918.074	0.01866	3	1	43.6	0
P12163_1_F3,19092	K.DYSQGELSGILK.D	1918.074	0.01058	2	1	59.8	0
P12163_1_F9,18034	K.GHFDLLIK.V	1550.951	0.01172	2	1	26.6	0
P12163_1_F9,18042	K.GHFDLLIK.V	1550.951	0.00673	3	1	27.2	0
P12163_2_F9,16939	K.GHFDLLIK.V	1550.951	0.0028	3	1	25.4	0
P12163_1_F8,20325	K.LDILAASHPNLK.V	1900.148	0.0058	3	1	27.7	0
P12163_2_F6,19851	K.LDILAASHPNLK.V	1900.148	0.00025	3	1	30.8	0
P12163_1_F4,11768	R.APLGQDAEGNTK.Y	1808.996	0.00775	2	1	35.8	0
P12163_1_S1,18137	R.FGSQEALEYGLIDR.I	1901.991	0.00251	3	1	42.2	0
P12163_1_S1,20475	R.FGSQEALEYGLIDR.I	1901.991	0.00128	3	1	58.4	0
P12163_2_F6,20764	R.FGSQEALEYGLIDR.I	1901.991	0.00221	2	1	46.4	0
P12163_1_F4,7836	R.GQADDIR.N	1078.579	0.00202	2	1	24.7	0
P12163_2_F1,7050	R.GQADDIR.N	1078.579	0.00328	2	1	32.3	0
P12163_1_S1,11409	R.IALDSPAGAAR.G	1345.774	0.0048	3	1	39.3	0
P12163_1_S1,13323	R.IALDSPAGAAR.G	1345.774	0.0043	2	1	37.5	0
P12163_1_F2,14157	R.NEADELLR.V	1263.685	0.0031	2	1	31.3	0
P12163_1_F4,10552	K.DGDGCITTK.E	1574.83	0.00604	2	1	27.4	0
P12163_1_F4,21859	K.EAFSLFDK.D	1564.883	0.01424	2	1	29	0
P12163_1_F4,21926	K.EAFSLFDK.D	1564.883	0.00499	3	1	23.8	0
P12163_1_F5,20772	K.EAFSLFDK.D	1564.883	0.00556	2	1	29.4	0
P12163_2_F1,21397	K.EAFSLFDK.D	1564.883	0.00259	3	1	23.7	0
P12163_2_F1,21398	K.EAFSLFDK.D	1564.883	0.01012	2	1	36.9	0

P12163_1_F3,14964	K.ELGTVMR.S	1109.629	0.00323	2	1	26.8	0
P12163_1_F8,20044	R.VFDKDQNGFISAAELR	2418.324	0.00373	2	1	41.2	0
P12163_1_F4,16318	K.NLVAGEAVYNEK.R	1915.074	0.0062	2	1	41.1	0
P12163_2_F1,15455	K.NLVAGEAVYNEK.R	1915.074	-0.0011	2	1	42.5	0
P12163_2_F1,15460	K.NLVAGEAVYNEK.R	1915.074	0.00647	3	1	53.5	0
P12163_2_F6,9738	K.VVVEPHR.H	1139.684	0.00319	3	1	29.2	0
P12163_2_F7,9224	K.VVVEPHR.H	1139.684	0.00412	3	1	41.6	0
P12163_1_F9,9479	R.DHACVVGGR.M	1437.721	0.00491	3	1	32.4	0
P12163_1_F9,13585	R.HEGVFIK.G	1508.904	0.00252	3	1	27.1	0
P12163_2_F8_12070	R.HEGVFIK.G	1508.904	0.00778	3	1	26.2	0
P12163_2_F6,19488	K.MLDHFPTVVCAK.V	2026.107	0.01271	3	1	25.8	0
P12163_1_F9,11313	K.VLAAHGAAK.I ! K.VL	1445.905	0.00534	3	1	30.1	0
P12163_1_F9,11325	K.VLAAHGAAK.I ! K.VL	1445.905	0.00773	2	1	38.9	0
P12163_2_F7,10559	K.VLAAHGAAK.I ! K.VL	1445.905	0.00435	3	1	29	0
P12163_2_F7,10574	K.VLAAHGAAK.I ! K.VL	1445.905	0.00569	2	1	44.3	0
P12163_1_F7,22104	R.GGPTSLVIYDIHALQEI	2173.192	0.00193	3	1	52.8	0
P12163_1_F2,15262	R.ILSNIPSTR.G	1304.784	0.0019	3	1	24.9	0
P12163_1_F2,16485	R.ILSNIPSTR.G	1304.784	0.00145	3	1	23.4	0
P12163_1_F5,13436	K.ALLNPK.S	1263.824	0.00608	3	1	23.7	0
P12163_2_F2,14202	K.ALLNPK.S	1263.824	0.00542	3	1	30.4	0
P12163_1_F3,12893	K.ENQSQLSAIAR.Q	1520.833	0.00117	2	1	26.2	0
P12163_1_F7,16223	R.ESVETSLLLQHR.A	1715.959	0.01185	3	1	47.4	0
P12163_1_F8,16893	R.ESVETSLLLQHR.A	1715.959	0.00273	3	1	71.9	0
P12163_2_F6,16324	R.ESVETSLLLQHR.A	1715.959	0.0036	3	1	70.3	0
P12163_2_S5,15921	R.ESVETSLLLQHR.A	1715.959	0.00201	3	1	47.1	0
P12163_2_F2,21366	R.SLFGGFVK.W	1462.888	0.00156	2	1	24	0
P12163_1_F3,27364	K.LFPVILLPK.E	1648.102	0.00226	3	1	31.7	0
P12163_1_F3,27373	K.LFPVILLPK.E	1648.102	0.00596	2	1	33.2	0
P12163_2_F2,10436	K.NSTAAGVNVK.Y	1568.922	0.00587	2	1	47.8	0
P12163_1_F5,12095	K.SNNAILAEDK.H	1682.953	0.00874	2	1	40	0
P12163_2_F1,12540	K.SNNAILAEDK.H	1682.953	0.00838	2	1	53.9	0
P12163_1_F8,19113	K.VHWETDNVEEIALK.	2348.271	0.0064	3	1	32.6	0
P12163_2_F6,18642	K.VHWETDNVEEIALK.	2348.271	0.00643	3	1	40	0
P12163_2_F6,18643	K.VHWETDNVEEIALK.	2348.271	0.00407	4	1	31.9	0
P12163_1_F4,11291	K.VQQYTER.D	1227.663	0.00378	2	1	27.2	0
P12163_2_F1,7324	K.VQQYTER.D	1227.663	0.00469	3	1	26.5	0
P12163_2_F4,12736	R.IM*LNQPQSGSGHVE	2520.334	0.00713	3	1	41.6	0
P12163_2_F1,16872	R.M*YAAFTGQPIEK.V	1980.072	0.00375	2	1	39.3	0
P12163_1_F3,20391	R.MYAAFTGQPIEK.V	1964.077	0.00798	2	1	38.5	0
P12163_1_F4,20924	R.MYAAFTGQPIEK.V	1964.077	0.01006	2	1	44.1	0
P12163_2_F1,20350	R.MYAAFTGQPIEK.V	1964.077	0.00924	2	1	50	0
P12163_1_F2,10563	R.QVNEAVISR.H	1319.758	0.00282	3	1	47.3	0
P12163_2_F9,11399	K.FIDTHAR.F	1163.647	0.00541	3	1	28	0
P12163_1_F8,19955	K.LDLGHALALEK.E	1788.084	0.01401	3	1	31.1	0
P12163_1_F8,20009	K.LDLGHALALEK.E	1788.084	0.00213	2	1	62.8	0
P12163_2_F6,19504	K.LDLGHALALEK.E	1788.084	0.00153	3	1	30.6	0
P12163_2_F6,19514	K.LDLGHALALEK.E	1788.084	0.00487	2	1	56.7	0
P12163_1_F8,19026	R.DPMGIAYVTINRPK.S	2183.247	-0.00056	3	1	32.9	0
P12163_1_F4,23108	R.SMMADM*AQAFK.S	1854.937	0.00618	3	1	23.4	0
P12163_2_F1,22451	R.SMMADMAQAFK.S	1838.942	0	3	1	31.3	0
P12163_1_F4,13908	K.IYVNSCER.Y	1344.688	0.00255	2	1	25.6	0

P12163_1_F4,19639	K.QQMIDCYIK.T	1806.97	0.00679	2	1	36.2	0
P12163_1_F4,19673	K.QQMIDCYIK.T	1806.97	0.01244	3	1	23.4	0
P12163_1_F5,18352	K.QQMIDCYIK.T	1806.97	0.00227	2	1	36.6	0
P12163_2_F1,19093	K.QQMIDCYIK.T	1806.97	0.01076	3	1	32.2	0
P12163_1_F3,12237	K.TLAQVVGSEEEAK.K	1969.106	0.00734	3	1	45.2	0
P12163_1_F3,17801	K.TLAQVVGSEEEAK.K	1969.106	-0.00057	2	1	39.3	0
P12163_1_F3,21410	R.YFGFGCELDEETSNIK.I	2404.159	0.0058	3	1	48.8	0
P12163_1_F4,17201	K.CAAPFQDCLAK.L	1888.987	0.00775	3	1	29.6	0
P12163_1_F4,17207	K.CAAPFQDCLAK.L	1888.987	0.00824	2	1	29.8	0
P12163_1_F8,18563	K.GFSITIIHTK.F	1725.052	0.00232	3	1	24.2	0
P12163_2_F6,18091	K.GFSITIIHTK.F	1725.052	0.0074	3	1	31.1	0
P12163_2_F6,18097	K.GFSITIIHTK.F	1725.052	0.00855	2	1	33.2	0
P12163_1_F7,23139	R.EFPIPSFPIGPFHK.Y	2221.263	0.00468	3	1	44.8	0
P12163_1_F9,13162	R.VGLHLER.K ! K.VGLH	1127.684	0.00393	3	1	40.2	0
P12163_2_F9,12024	R.VGLHLER.K ! K.VGLH	1127.684	0.00459	3	1	39	0
P12163_1_F7,13938	K.GALDGGLDIPHSDKR.I	2159.203	0.00629	4	1	36.6	0
P12163_2_F8_12070	K.GALDGGLDIPHSDKR.I	2159.203	0.00509	4	1	46.7	0
P12163_1_F2,20216	K.GIDADGLEALYK.K	1873.053	0.00007	3	1	51.8	0
P12163_1_F2,20262	K.GIDADGLEALYK.K	1873.053	0.00589	2	1	55.4	0
P12163_1_F3,20776	K.GIDADGLEALYK.K	1873.053	0.00719	2	1	75.8	0
P12163_2_F6,9875	K.QLDAEVHR.K	1271.701	0.00303	3	1	22.5	0
P12163_2_F1,23302	R.ALLDVGLIK.T	1550.014	-0.00405	3	1	27.4	0
P12163_2_F1,23374	R.ALLDVGLIK.T	1550.014	0.00866	2	1	33.2	0
P12163_1_F7,23339	K.ESGTEKPVVAFIAGLT.	2705.545	0.00287	3	1	46.9	0
P12163_1_F3,12541	R.EAGVTVVESPAAK.I	1795.042	0.01178	3	1	28.7	0
P12163_1_F3,12564	R.EAGVTVVESPAAK.I	1795.042	0.00531	2	1	25.8	0
P12163_1_F3,13868	R.EAGVTVVESPAAK.I	1795.042	0.0038	3	1	34.1	0
P12163_1_F3,13869	R.EAGVTVVESPAAK.I	1795.042	0.00621	2	1	42	0
P12163_1_F8,17121	R.LIGPNCPGIHKPGECK.I	2665.53	0.00743	4	1	26.3	0
P12163_1_F9,9351	R.M*GHAGAIVSGGK.G	1708.962	0.00921	3	1	34.1	0
P12163_2_S5,11349	R.MGHAGAIVSGGK.G	1692.968	0.00723	3	1	22.5	0
P12163_1_S10,5908	K.HATEM*GAQ.-	1164.562	0.00462	2	1	39.7	0
P12163_2_F8_12070	K.HATEM*GAQ.-	1164.562	0.00144	2	1	32.9	0
P12163_2_F2,7000	K.HATEMGAQ.-	1148.567	0.00722	2	1	31	0
P12163_1_S1,9122	R.ETTNLEDAAR.L	1423.733	0.00456	3	1	30.3	0
P12163_1_S1,9540	R.ETTNLEDAAR.L	1423.733	0.0021	3	1	22.8	0
P12163_1_F3,16725	R.LPVVDADGK.L	1521.91	0.01017	2	1	28.2	0
P12163_1_F9,13930	R.RLPVVDADGK.L	1678.011	0.002	3	1	28.1	0
P12163_2_F7,12557	R.RLPVVDADGK.L	1678.011	-0.00106	3	1	29.6	0
P12163_1_F7,16891	K.CVVDNHGYAIYFSR.G	2004.99	-0.00102	3	1	22.7	0
P12163_1_F7,21702	K.LATTLDHLVVATDDEI	2349.312	0.00796	2	1	45.1	0
P12163_1_F4,10504	K.SICSPSESSSSTK.S	1965.005	0.008	2	1	28.1	0
P12163_2_F1,9687	K.SICSPSESSSSTK.S	1965.005	0.00116	3	1	23	0
P12163_1_F7,10735	K.VDHEAHGVDAPEDVE	2355.204	0.00477	4	1	30.7	0
P12163_2_F10,1066	K.VDHEAHGVDAPEDVE	2355.204	0.00413	4	1	34.2	0
P12163_2_F10,1067	K.VDHEAHGVDAPEDVE	2355.204	0.00784	3	1	52.1	0
P12163_1_F7,20628	K.ISAAEIAAICQEAGM*F	2318.19	0.00078	3	1	78.4	0
P12163_1_F9,16663	K.KPDTDFEFYK.-	2202.221	0.0036	3	1	29.7	0
P12163_2_F10,1539	R.EAVELPLTHHELYK.Q	2287.291	0.00937	4	1	22.4	0
P12163_2_F4,16077	R.EAVELPLTHHELYK.Q	2287.291	0.00427	3	1	23	0
P12163_1_F3,18476	R.GVLLYGPPGTGK.T ! K	1767.062	0.00594	2	1	41	0

P12163_2_F1,18240	R.GVLLYGPPGTGK.T ! K	1767.062	0.0061	2	1	41	0
P12163_2_F1,18262	R.GVLLYGPPGTGK.T ! K	1767.062	0.00702	3	1	43.8	0
P12163_2_F1,10144	K.AEAAEYQK.L	1517.842	0.00442	3	1	27.8	0
P12163_1_F4,16755	K.FNIANPTTGCQK.K	1959.058	0.00842	3	1	43.4	0
P12163_1_F4,16791	K.FNIANPTTGCQK.K	1959.058	0.0002	2	1	34.9	0
P12163_2_F1,15859	K.FNIANPTTGCQK.K	1959.058	0.00352	2	1	34.4	0
P12163_2_F1,15877	K.FNIANPTTGCQK.K	1959.058	0.00662	3	1	31.2	0
P12163_1_F3,19536	R.ISQEVNGDALGEEFK.C	2244.197	0.00745	3	1	40.1	0
P12163_1_S1,14585	R.LVTPLTLQR.K	1344.852	0.00236	3	1	22.8	0
P12163_1_F4,4941	K.AHSSTK.A	1238.731	0.00856	3	1	29.5	0
P12163_2_S5,18558	K.AIHAVNLGDSGFMVV	1990.085	0.00553	3	1	31.4	0
P12163_1_F4,13744	R.AGLGPQVTAQK.I	1678.011	0.00476	3	1	44.9	0
P12163_2_F1,12770	R.AGLGPQVTAQK.I	1678.011	0.00837	2	1	36.7	0
P12163_2_F1,12791	R.AGLGPQVTAQK.I	1678.011	0.00611	3	1	40.5	0
P12163_1_F9,13826	R.ELMSHSFR.A	1310.683	0.00282	3	1	45.6	0
P12163_2_F9,13256	R.ELMSHSFR.A	1310.683	0.00345	3	1	32.6	0
P12163_1_F9,14674	K.DGFLLNHAR.V	1346.748	0.00322	3	1	45.9	0
P12163_2_F7,13271	K.DGFLLNHAR.V	1346.748	0.00349	3	1	53	0
P12163_2_F9,13965	K.DGFLLNHAR.V	1346.748	0.00358	3	1	56.7	0
P12163_1_F5,14497	K.SGVFNFDTK.Y	1638.895	0.0098	2	1	49.8	0
P12163_2_F1,14545	K.SGVFNFDTK.Y	1638.895	0.00616	2	1	48.2	0
P12163_1_F9,21204	R.HFGLNWFVDPK.T	2039.132	0.00839	3	1	38.1	0
P12163_1_F3,19438	R.VLVGSGLETYEK.G	1903.1	0.00456	2	1	57.2	0
P12163_2_F2,15730	K.ISANMPYK.V	1531.876	0.00802	2	1	26.6	0
P12163_2_F2,17086	K.QYVGVWK.G	1487.883	0.00349	2	1	26.5	0
P12163_1_F4,10758	K.VYHVPR.V	1074.636	0.00535	3	1	27.7	0
P12163_1_S10,1083	K.VYHVPR.V	1074.636	0.00586	3	1	25.9	0
P12163_1_F8,14751	R.VPEHDLSGM*EGVLK.	2135.163	0.00476	3	1	33.7	0
P12163_1_F8,18274	R.VPEHDLSGMEGVLK.C	2119.168	0.00956	3	1	47.1	0
P12163_2_F6,17726	R.VPEHDLSGMEGVLK.C	2119.168	0.00674	3	1	54.5	0
P12163_1_S1,12741	K.DSPIPYEGAR.T	1408.737	0.00466	3	1	23.7	0
P12163_2_F8_12070	K.GVATVAALDANEHQ	2717.416	0.00349	3	1	55.8	0
P12163_2_F8_12070	K.GVATVAALDANEHQ	2717.416	0.00109	3	1	75.9	0
P12163_1_F9,10402	K.LGHVDCDSEK.S	1767.916	0.00497	3	1	25.1	0
P12163_1_F9,10437	K.LGHVDCDSEK.S	1767.916	0.00584	2	1	31.1	0
P12163_2_F7,9775	K.LGHVDCDSEK.S	1767.916	0.00548	3	1	30.8	0
P12163_1_F8,23652	K.SAFELEHIVEFVK.E	2156.221	0.00592	3	1	37.2	0
P12163_2_F1,6715	K.ASANTETK.K	1429.811	0.00097	2	1	24.9	0
P12163_1_F3,22431	K.ECGPM*VLDALIK.I	1970.091	-0.00314	2	1	24.4	0
P12163_1_F3,24145	K.ECGPMVLDALIK.I	1954.096	0.01258	3	1	31.6	0
P12163_1_S1,13833	K.SEIDPSLTFR.R	1468.795	0.00459	3	1	23.1	0
P12163_1_S1,15398	K.SEIDPSLTFR.R	1468.795	0.00363	3	1	32.3	0
P12163_1_F4,22424	R.LEAIDDEFK.L	1687.936	0.00575	2	1	35.6	0
P12163_1_F4,22512	R.LEAIDDEFK.L	1687.936	0.00524	3	1	43.5	0
P12163_1_S1,21899	K.LGSLVIGVPIPR.E	1581.999	0.0066	3	1	32.5	0
P12163_1_S1,19676	K.NITGNAETPFLLAR.V	1821.017	-0.00088	2	1	39.4	0
P12163_1_S1,19695	K.NITGNAETPFLLAR.V	1821.017	0.00397	3	1	47.7	0
P12163_1_F5,11959	K.NNALIGAK.I	1408.873	0.00372	2	1	34.5	0
P12163_2_F2,12841	K.NNALIGAK.I	1408.873	0.00254	2	1	35.1	0
P12163_2_F2,12850	K.NNALIGAK.I	1408.873	0.00626	3	1	32.9	0
P12163_2_F6,12568	R.DIAHVVATR.G	1285.753	0.00173	2	1	30.6	0

P12163_1_F9,18503	K.FHQEFAEFYK.C	1954.032	0.00479	3	1	42.8	0
P12163_2_F9,17958	K.FHQEFAEFYK.C	1954.032	0.00818	3	1	40	0
P12163_1_F8,19719	K.LAHFAVIVSR.Q	1416.863	0.00258	3	1	41.6	0
P12163_2_F6,19122	K.LAHFAVIVSR.Q	1416.863	0.00123	3	1	32.4	0
P12163_1_F3,25516	K.QAAISYLEGVIEK.L	2029.179	0.00269	3	1	30.4	0
P12163_1_F4,21434	R.VLGIPQIK.S	1475.977	0.00515	3	1	26	0
P12163_2_F1,20908	R.VLGIPQIK.S	1475.977	0.00746	2	1	30.4	0
P12163_1_F3,24293	K.FFFSAISGPK.I	1824.015	0.0029	3	1	44.6	0
P12163_1_F4,25128	K.FFFSAISGPK.I	1824.015	0.00701	3	1	39.4	0
P12163_2_F9,14251	K.QAGKPPVFLK.V	1997.267	0.00553	4	1	24.5	0
P12163_1_S1,9159	R.EAPPSTSEPDTK.T	2051.075	0.009	3	1	22.7	0
P12163_1_F9,14388	R.NIHYLVK.K	1494.925	0.00013	3	1	25.7	0
P12163_1_F9,14404	R.NIHYLVK.K	1494.925	0.00089	2	1	25.3	0
P12163_2_F9,13480	R.NIHYLVK.K	1494.925	0.0079	3	1	22.7	0
P12163_1_F4,20557	K.CGVLIGSGLGGMK.V	1857.055	0.00536	3	1	67.8	0
P12163_2_F1,19945	K.CGVLIGSGLGGMK.V	1857.055	-0.00108	2	1	51	0
P12163_2_F1,19959	K.CGVLIGSGLGGMK.V	1857.055	0.005	3	1	70	0
P12163_2_F6,18512	K.EYQALIHCFGQNR.G	1939.975	0.00127	3	1	24.3	0
P12163_2_F1,18015	K.SFSTDGWWAPK.L	1802.99	0.00879	2	1	35.4	0
P12163_2_F1,18017	K.SFSTDGWWAPK.L	1802.99	0.0085	3	1	23.7	0
P12163_2_S5,14278	R.EDVNYINAHATSTPAC	2624.378	0.01366	3	1	31.3	0
P12163_2_F8_12070	K.EETHR.M	975.5161	0.00297	3	1	24.4	0
P12163_1_F4,18876	K.LSSELVDAK.G	1640.968	0.00492	2	1	28.5	0
P12163_2_F1,18054	K.LSSELVDAK.G	1640.968	0.00614	3	1	40.7	0
P12163_2_F1,18055	K.LSSELVDAK.G	1640.968	0.00676	2	1	42.8	0
P12163_2_F1,20426	K.SLAYQIIYR.A	1430.831	0.00061	2	1	24.8	0
P12163_1_S10,1400	R.AFAHFR.-	1052.594	0.0025	3	1	26.4	0
P12163_2_F8_12070	R.AFAHFR.-	1052.594	0.00211	3	1	33.7	0
P12163_2_F8_12070	K.ATM*EHVIIPTIEALNH	2265.233	-0.00206	4	1	31.3	0
P12163_2_F8_12070	K.ATMEHVIIPTIEALNHF	2249.238	0.00114	4	1	53.3	0
P12163_2_F8_12070	K.ATMEHVIIPTIEALNHF	2249.238	0.00232	3	1	48.5	0
P12163_1_F9,12605	K.TVQLDHIR.G	1285.753	0.00104	3	1	41.7	0
P12163_1_S1,22050	R.AVNAVIIGSDMQGVI	2449.394	0.00481	3	1	48.7	0
P12163_1_S1,22130	R.AVNAVIIGSDMQGVI	2449.394	-0.00427	4	1	23.5	0
P12163_1_F4,10203	R.GAVSQNLR.H	1148.669	0.00448	2	1	24	0
P12163_1_F3,22232	K.APVSLPLENFK.S	1823.089	0.00523	2	1	43.7	0
P12163_1_S1,14920	K.ISDPLEEGCR.L	1479.741	0.00225	3	1	32.9	0
P12163_1_F3,24363	R.ELGEWGLDNYLSVK.C	2231.217	0.01011	3	1	34.1	0
P12163_1_F4,18863	R.YGLGAAVISK.D	1586.973	0.00222	2	1	29	0
P12163_1_F4,18886	R.YGLGAAVISK.D	1586.973	0.00378	3	1	34.2	0
P12163_2_F1,18132	R.YGLGAAVISK.D	1586.973	-0.00112	2	1	29.3	0
P12163_2_F9,16270	R.YGLGAAVISK.D	1586.973	0.00162	3	1	26.6	0
P12163_1_S1,15056	K.FGVSVAADESCR.S	1601.789	0.0075	2	1	38.6	0
P12163_1_S1,15062	K.FGVSVAADESCR.S	1601.789	0.00191	3	1	61.6	0
P12163_1_F6,21192	K.LYEM*GVTPVLFEPV	2335.242	0.00742	3	1	52.6	0
P12163_1_F6,23539	K.LYEM*GVTPVLFEPV	2335.242	-0.00152	3	1	24.5	0
P12163_1_F3,24779	R.AAVEM*ALIDAVAK.S	1926.119	0.00561	3	1	21.9	0
P12163_1_F3,25841	R.AAVEMALIDAVAK.S	1910.124	0.00489	3	1	57.8	0
P12163_2_F9,18219	R.GHGGFLHWDNIA.-	1627.828	0.00149	3	1	25.9	0
P12163_1_F9,16871	K.SPHINLDWR.E	1441.785	0.0045	3	1	24.9	0
P12163_1_F7,19795	K.WAHPIVPETGCVLVA	2654.495	0.00853	4	1	26.7	0

P12163_1_F7,19840	K.WAHPIVPETGCVLVA	2654.495	-0.00094	3	1	26	0
P12163_2_F4,15107	R.HPQEGPFGVINRPLH	2533.461	0.0069	4	1	31.6	0
P12163_1_F4,19092	R.NSLDEAAAALVK.K	1739.016	0.00474	2	1	53.4	0
P12163_2_F1,18403	R.NSLDEAAAALVK.K	1739.016	0.00608	2	1	53	0
P12163_2_F1,18411	R.NSLDEAAAALVK.K	1739.016	0.00781	3	1	39.6	0
P12163_1_F6,16575	K.AFQLDPK.I ! K.AFQLD	1426.851	0.00959	2	1	24.4	0
P12163_2_S5,14696	K.AFQLDPK.I ! K.AFQLD	1426.851	0.00116	3	1	27.3	0
P12163_1_F4,14626	K.DGVFVNGK.F	1443.842	0.00528	2	1	25.4	0
P12163_1_F5,13061	K.DGVFVNGK.F	1443.842	0.00786	2	1	25.9	0
P12163_1_F4,19520	K.GDAFVFPK.G	1488.867	0.0054	2	1	27.9	0
P12163_1_F8,20741	R.ADDFFSGLDKPGNTA	2580.33	0.01057	3	1	25.1	0
P12163_1_F8,20795	R.ADDFFSGLDKPGNTA	2580.33	0.00721	4	1	25	0
P12163_2_F7,19399	K.LHLIWVTAR.M	1412.868	0.00204	3	1	30.2	0
P12163_1_F5,13399	R.CYEVGINK.T	1590.877	0.01159	2	1	32.6	0
P12163_2_F1,13712	R.CYEVGINK.T	1590.877	0.00453	2	1	45.2	0
P12163_1_S1,13411	R.LAFPEENSSSSR.K	1627.823	0.0059	3	1	22.7	0
P12163_1_S1,15061	R.LAFPEENSSSSR.K	1627.823	0.00581	2	1	25.1	0
P12163_1_S1,15074	R.LAFPEENSSSSR.K	1627.823	0.00587	3	1	33.9	0
P12163_2_F9,15019	R.MHIEIYK.Y	1541.897	0.00505	3	1	26.4	0
P12163_1_F4,8901	K.EPDNPTK.S	1408.789	0.00652	2	1	31.2	0
P12163_2_F1,8056	K.EPDNPTK.S	1408.789	0.0059	2	1	31.5	0
P12163_1_F3,12238	K.EPETQLATSK.S	1711.969	0.00519	2	1	29.9	0
P12163_1_F4,12810	K.EPETQLATSK.S	1711.969	0.00661	2	1	29.7	0
P12163_2_F1,8129	K.NAESNAEVK.G	1569.869	0.0049	2	1	27.8	0
P12163_2_F2,8461	K.NAESNAEVK.G	1569.869	0.01043	2	1	27.2	0
P12163_1_F6,18789	R.YLEDVMAHK.Q	1713.945	0.0083	3	1	24	0
P12163_1_F6,17291	K.EM*IQTHCPAPASDIQV	2386.216	0.01118	3	1	27.4	0
P12163_1_F6,17280	K.EMIQTHCPAPASDIQV	2370.221	0.00632	3	1	30.5	0
P12163_1_F4,19138	K.VSLDPENFK.E	1656.942	0.00956	2	1	25.7	0
P12163_2_F1,13387	R.AILENPNDK.T	1621.937	0.00238	2	1	34.6	0
P12163_1_F9,17489	R.VGDYLAVK.G	1472.893	0.01446	2	1	29.5	0
P12163_1_F9,17520	R.VGDYLAVK.G	1472.893	0.00905	3	1	32.4	0
P12163_2_F1,18211	R.VGDYLAVK.G	1472.893	0.00472	2	1	25.4	0
P12163_1_F4,25041	K.FLLVMQK.H	1486.928	0.00433	2	1	31.1	0
P12163_2_F1,24353	K.FLLVMQK.H	1486.928	0.00247	2	1	26.3	0
P12163_2_S3,14550	K.HGYIGEFEYVDDHR.A	2040.972	0.00446	4	1	35.4	0
P12163_2_S3,14565	K.HGYIGEFEYVDDHR.A	2040.972	0.00237	3	1	37.3	0
P12163_2_F1,15238	R.FDVGVK.E	1272.777	0.00726	3	1	23.4	0
P12163_2_F1,20128	R.VSVLNDALK.S	1566.967	0.00678	2	1	30.9	0
P12163_2_F1,20199	R.VSVLNDALK.S	1566.967	0.01014	3	1	27.1	0
P12163_2_F6,14729	K.IENLQSHDNNEIYEK.A	2454.272	0.00756	3	1	32.1	0
P12163_2_F6,8920	K.VAVDADEGRR.R	1391.754	0.00448	2	1	31.7	0
P12163_1_F8,20430	K.VVIDHGAVPIFVK.L	2002.231	0.00546	3	1	27.7	0
P12163_1_F8,20438	K.VVIDHGAVPIFVK.L	2002.231	0.00485	2	1	63.4	0
P12163_2_S5,18220	K.VVIDHGAVPIFVK.L	2002.231	0.00243	3	1	22.6	0
P12163_2_S5,18227	K.VVIDHGAVPIFVK.L	2002.231	0.00405	4	1	28.7	0
P12163_1_F2,13461	R.EDNMVEIR.K	1309.672	0.00246	2	1	24.4	0
P12163_1_F4,17269	K.LAQGEYIAAEK.I	1801.032	0.00602	2	1	42.3	0
P12163_2_F1,16418	K.LAQGEYIAAEK.I	1801.032	-0.00368	3	1	26.2	0
P12163_1_F8,15651	R.FPDHPEIGTTHDNFVR.	2186.093	0.00146	3	1	23.5	0
P12163_2_F10,1435	R.FPDHPEIGTTHDNFVR.	2186.093	-0.00004	4	1	30.9	0

P12163_1_F5,18216	R.LFNAAYNAK.K	1619.936	0.00551	3	1	34	0
P12163_2_F2,18820	R.LFNAAYNAK.K	1619.936	0.00578	3	1	43.5	0
P12163_1_F7,16303	R.TEVGSLIYHGISK.G	2069.185	0.00735	3	1	32.7	0
P12163_1_S1,25284	K.IISIADLIR.Y	1317.841	0.00415	3	1	22.9	0
P12163_1_S1,25291	K.IISIADLIR.Y	1317.841	0.00376	2	1	34.8	0
P12163_1_F3,24023	R.LDLPLMVAQK.E	1736.06	0.00599	2	1	28.3	0
P12163_1_F8,15642	R.VHSECLTGDFGSAR.C	1952.98	0.00879	3	1	24.8	0
P12163_1_F8,17784	R.VHSECLTGDFGSAR.C	1952.98	0.00519	3	1	83	0
P12163_2_F6,17293	R.VHSECLTGDFGSAR.C	1952.98	0.00186	3	1	73.6	0
P12163_1_F3,20848	R.VPLITPIK.K	1488.997	0.00312	3	1	25.7	0
P12163_2_F2,8185	K.AQAEAEQK.T ! R.AQA	1411.8	0.01132	2	1	32.5	0
P12163_2_F2,19743	K.NLASSLFK.L	1487.904	0.00574	3	1	37.8	0
P12163_1_F4,18819	K.QFGIGGALPPK.K	1693.026	0.00219	3	1	36.4	0
P12163_2_F1,18155	K.QFGIGGALPPK.K	1693.026	0.00255	2	1	25.8	0
P12163_2_F1,18162	K.QFGIGGALPPK.K	1693.026	0.00636	3	1	22.1	0
P12163_1_F4,20584	K.TASVLCLTTVK.N	1801.071	0.0022	3	1	27.8	0
P12163_2_F1,20033	K.TASVLCLTTVK.N	1801.071	0.00733	2	1	40.3	0
P12163_2_F1,11657	K.NCDFQMER.Y	1403.635	0.00452	2	1	24.7	0
P12163_1_S1,21665	R.LLILTDPR.T	1244.788	0.00421	2	1	40.6	0
P12163_1_S1,21909	R.LLILTDPR.T	1244.788	0.00317	2	1	38.1	0
P12163_1_F4,22056	R.NDGIYIINLGK.T	1828.079	0.00628	2	1	54.4	0
P12163_1_F3,18242	R.YVDIGIPANNK.G	1812.048	0.00313	2	1	47.4	0
P12163_1_F3,18278	R.YVDIGIPANNK.G	1812.048	0.00622	3	1	38	0
P12163_1_F3,18272	K.ATGASFLEAPVSGSK.F	2030.138	0.00638	3	1	28.8	0
P12163_1_F3,19475	K.CDPLISLGAK.Y	1681.977	0.00204	2	1	31.2	0
P12163_1_F3,19487	K.CDPLISLGAK.Y	1681.977	0.00782	3	1	29.5	0
P12163_1_F8,19828	K.KPAEDGQLIFLAAGDK	2585.507	0.00764	3	1	41.8	0
P12163_2_F6,19430	K.KPAEDGQLIFLAAGDK	2585.507	0.00572	3	1	41.8	0
P12163_1_F9,16047	K.LINGHIK.A	1402.899	0.00848	2	1	38.2	0
P12163_1_F9,7347	K.AGVAHK.I	1190.747	0.00756	3	1	27.4	0
P12163_1_F2,12437	K.ALAVDPR.I	1045.631	0.0044	2	1	46.7	0
P12163_1_F4,18230	K.GLPIIQK.A	1376.909	0.00754	2	1	27.9	0
P12163_1_F4,23824	K.ILALDITK.E	1494.971	0.00803	2	1	26	0
P12163_2_F1,23252	K.ILALDITK.E	1494.971	0.00479	2	1	26.6	0
P12163_2_F1,23313	K.ILALDITK.E	1494.971	0.00183	3	1	26.9	0
P12163_1_F8,11990	R.CGHQAVALLIGGATAR.	1785.97	0.00248	3	1	23.6	0
P12163_1_F8,14152	R.CGHQAVALLIGGATAR.	1785.97	0.00581	2	1	34.5	0
P12163_2_F6,13573	R.CGHQAVALLIGGATAR.	1785.97	0.01033	2	1	24.6	0
P12163_1_S1,20594	R.GLLESITSDNLR.S	1621.906	-0.00199	3	1	49.3	0
P12163_1_F2,17078	R.IEQDIVDDK.V	1779.995	0.01748	2	1	24.2	0
P12163_2_F2,9020	R.SLASSNEK.T	1443.826	0.00363	2	1	28.8	0
P12163_1_F8,18197	K.AIENPELYVMKPQR.E	2296.294	-0.00029	3	1	31.3	0
P12163_1_F3,25346	K.VPGNSAVIQFAEAMAI	2241.252	0.00423	3	1	32.8	0
P12163_1_F4,13348	R.EGGGNNIYGEDVK.E	1960.023	0.0094	2	1	56.3	0
P12163_2_F1,12389	R.EGGGNNIYGEDVK.E	1960.023	-0.00034	2	1	73.1	0
P12163_1_F4,18148	R.LLMEQSSAVK.C	1714.003	0.0057	2	1	34.5	0
P12163_2_F1,17348	R.LLMEQSSAVK.C	1714.003	0.00496	2	1	27	0
P12163_1_S1,22294	K.GEIQTDAEELLIHK.T	2180.263	0.00883	3	1	46	0
P12163_2_F1,16967	K.LAESIVK.A	1367.872	0.00458	3	1	28.8	0
P12163_1_F8,22361	R.QSLETLTEHVK.A	2006.174	0.00394	3	1	57.6	0
P12163_2_F6,22112	R.QSLETLTEHVK.A	2006.174	0.00532	3	1	62.3	0

P12163_2_F8_1207	R.QSLETLTEHVK.A	2006.174	0.00334	3	1	28.3	0
P12163_2_F7,19435	R.VPGIESVYEWK.G	1915.078	0.0061	3	1	24.8	0
P12163_1_F3,25296	K.NSGWEDLIFIPPGK.S	2181.216	0.00622	3	1	37.8	0
P12163_1_F3,25529	K.NSGWEDLIFIPPGK.S	2181.216	0.00667	3	1	37.5	0
P12163_1_F3,19420	K.SIGLLCFR.Q	1269.729	0.0025	3	1	35.5	0
P12163_1_F3,21954	K.SIGLLCFR.Q	1269.729	-0.00178	2	1	24.5	0
P12163_1_S1,20485	R.QEDAEAFLAQVR.L	1680.886	0.01084	2	1	34.2	0
P12163_1_F5,16845	R.YCPVYFQK.E	1712.929	0.00647	2	1	24	0
P12163_1_F8,13332	K.EAVEHAQATGHVNFQ	2390.179	0.00504	3	1	58.2	0
P12163_2_F4,12460	K.EAVEHAQATGHVNFQ	2390.179	0.00585	3	1	69.6	0
P12163_1_F4,16821	R.CGVCQIGVIGQK.E	1927.071	0.00205	3	1	36.4	0
P12163_2_F1,16043	R.CGVCQIGVIGQK.E	1927.071	0.00526	3	1	37.6	0
P12163_1_S1,13637	R.EIAAYDIQTR.C	1584.853	0.00785	3	1	27.1	0
P12163_1_F3,18721	R.TIGPAEDLALK.L	1736.041	0.00204	2	1	24.3	0
P12163_1_F2,20284	K.EIVSSNPVVVFSK.T	2013.184	0.00592	3	1	29.7	0
P12163_1_F4,19496	K.TVPNVFIGGK.H ! R.TV	1639.999	0.00352	2	1	26.1	0
P12163_2_F1,18856	K.TVPNVFIGGK.H ! R.TV	1639.999	0.0102	2	1	32	0
P12163_1_S1,17334	K.VVELDIESDGSK.I	1899.053	0.00377	3	1	33.3	0
P12163_1_F4,16883	R.DAGALALADK.-	1552.915	0.01448	3	1	37.2	0
P12163_1_F4,16911	R.DAGALALADK.-	1552.915	0.00795	2	1	50.5	0
P12163_1_F8,15269	K.GPNHPHEAQQPIELPIR	2237.209	0.00209	3	1	30.7	0
P12163_1_F9,16986	R.ELFTHLK.V	1495.909	0.00417	3	1	32.5	0
P12163_2_F9,16000	R.ELFTHLK.V	1495.909	0.00576	3	1	33.5	0
P12163_1_F9,13057	R.IIEHAVR.G	1141.699	0.00366	3	1	36.4	0
P12163_2_F7,11819	R.IIEHAVR.G	1141.699	0.00075	3	1	37.7	0
P12163_2_F6,18932	R.LASTIAHIR.G	1398.873	0.00484	3	1	68.3	0
P12163_1_F2,14868	K.SAQAVQAAEAGIR.Q	1575.876	0.00232	2	1	45.3	0
P12163_2_F9,7465	K.TSHAVGQATK.T	1607.933	0.00663	3	1	28.5	0
P12163_1_S1,21629	R.ASLPIISLQPVVAGAAK	2243.395	0.00738	3	1	55.6	0
P12163_1_S1,21693	R.ASLPIISLQPVVAGAAK	2243.395	0.00533	4	1	54.9	0
P12163_1_F7,17217	R.QIGTLAHQQTISIQER.	2240.266	-0.00267	3	1	35.2	0
P12163_2_S5,16611	R.QIGTLAHQQTISIQER.	2240.266	0.0063	3	1	37.2	0
P12163_2_F4,11973	K.DATDDFEDVGHSSSAI	2289.109	-0.00029	3	1	24.7	0
P12163_1_F4,22231	K.DCWLIIEGK.V	1741.977	0.01469	3	1	28.9	0
P12163_1_F7,19485	K.FLDDHPGGDEVLLSAT	2479.329	0.00949	3	1	23.9	0
P12163_1_F8,17172	K.VYTLAEVSGHNDR.K	1764.918	0.00224	3	1	69.4	0
P12163_2_F6,16508	K.VYTLAEVSGHNDR.K	1764.918	0.00005	3	1	41.9	0
P12163_2_F6,16543	K.VYTLAEVSGHNDR.K	1764.918	0.00442	2	1	40.3	0
P12163_2_F6,15870	K.GATFVIDCGKPVEDK.I	2548.421	0.01198	4	1	21.9	0
P12163_1_F3,22783	K.IMDIASLEK.F	1627.955	0.00852	2	1	50.7	0
P12163_1_F4,23552	K.IMDIASLEK.F	1627.955	0.00652	2	1	26.5	0
P12163_1_F4,23569	K.IMDIASLEK.F	1627.955	0.00712	3	1	25.1	0
P12163_1_F4,16152	K.ITVTSDSNFSK.R	1807.006	0.00483	2	1	44	0
P12163_2_F2,9080	R.GAAAAGVK.G	1252.783	0.0011	2	1	36.6	0
P12163_1_F3,12212	K.CPMAGTFYR.S ! K.CPM	1406.686	0.00239	3	1	27.9	0
P12163_2_F1,14167	K.VNDVIAK.K	1366.851	0.00485	2	1	26.2	0
P12163_2_F1,14610	R.CPAPGEPAFVK.V	1780.988	-0.00467	2	1	26.7	0
P12163_1_F4,19503	R.DIMELQMK.Q	1615.901	0.00929	3	1	24.7	0
P12163_1_F4,19529	R.DIMELQMK.Q	1615.901	0.01098	2	1	30.9	0
P12163_2_F1,18845	R.DIMELQMK.Q	1615.901	0.00312	2	1	28.7	0
P12163_1_F8,14564	K.FDLHAEPDEEK.T	1938.006	0.00712	3	1	27	0

P12163_1_F8,14582	K.FDLHAEPDEEK.T	1938.006	0.01495	2	1	28.9	0
P12163_2_F6,14053	K.FDLHAEPDEEK.T	1938.006	-0.00235	2	1	39.5	0
P12163_1_F3,23691	K.LIFTFDDTK.K	1707.978	0.00849	2	1	45.8	0
P12163_1_F2,16884	R.FGSEAVFVPR.E	1412.784	0.00205	3	1	34.1	0
P12163_1_F2,17914	R.LSASAVDFPR.V	1366.763	0.00378	2	1	27.3	0
P12163_1_F4,26829	K.GSSLFGM*FSLK.E ! K.	1798.003	0.00572	3	1	24.1	0
P12163_2_F1,23251	K.GSSLFGM*FSLK.E ! K.	1798.003	0.01127	3	1	27.8	0
P12163_1_S1,16641	R.ANPAGDSPLGFFR.S	1652.87	0.00432	3	1	32.6	0
P12163_1_S1,21107	R.ANPAGDSPLGFFR.S	1652.87	0.00096	3	1	45.8	0
P12163_1_S10,1012	R.QHDPSFK.Y	1466.821	0.00869	3	1	30.3	0
P12163_1_F3,12025	R.SIESNIER.L	1251.685	0.00398	2	1	33.1	0
P12163_1_F3,22245	K.ILSQPLADIGGK.G	1820.11	0.00494	2	1	55.2	0
P12163_1_F6,18086	K.MANYLGSLNHEETR.L	1938.964	0.00402	3	1	32.2	0
P12163_1_S1,9213	R.GLVASPDGTR.V	1276.716	0.0048	2	1	38.6	0
P12163_1_F6,14292	R.GSPLALAQAHETR.N	1654.918	0.00679	3	1	25.5	0
P12163_1_F8,14151	R.GSPLALAQAHETR.N	1654.918	0.00256	3	1	51.2	0
P12163_2_F6,13566	R.GSPLALAQAHETR.N	1654.918	0.00232	3	1	77.8	0
P12163_1_S1,19489	K.LPSLTGPIQPAIAK.L	2014.252	0.00708	3	1	29.3	0
P12163_2_F6,19481	K.LQSFQYTEYFHNR.C	1965.976	-0.00126	3	1	39.6	0
P12163_1_F4,15311	R.CLCGAPLESCK.-	1902.97	0.00689	2	1	30.4	0
P12163_1_F4,15319	R.CLCGAPLESCK.-	1902.97	0.00394	3	1	24.2	0
P12163_2_F1,14303	R.CLCGAPLESCK.-	1902.97	0.00591	2	1	29.4	0
P12163_2_F1,16916	R.LCGPIPVGGK.L	1605.961	-0.00125	3	1	23.6	0
P12163_2_F7,10897	K.GAALLHQEGAR.E	1426.807	0.0021	3	1	24.1	0
P12163_2_F7,10919	K.GAALLHQEGAR.E	1426.807	-0.00069	3	1	63.1	0
P12163_1_F2,20847	K.LSDAPLAIVDK.R	1750.057	0.00696	2	1	44.3	0
P12163_1_F2,20877	K.LSDAPLAIVDK.R	1750.057	0.00554	3	1	36.6	0
P12163_1_S1,22878	K.NITAVIPYFGYAR.A	1788.995	0.0006	3	1	29.7	0
P12163_1_F6,17985	R.EVYACCTHAVFSPPAI	2411.179	0.00735	3	1	27.1	0
P12163_1_F4,22588	K.ATELLGWEPK.I	1752.015	0.00635	2	1	36.7	0
P12163_1_F7,21344	R.ILVTTGGAGFIGSHLVDI	2292.354	0.00533	3	1	44.6	0
P12163_1_F8,22323	R.ILVTTGGAGFIGSHLVDI	2292.354	0.00224	3	1	38.6	0
P12163_1_F9,9577	R.QHGIEIR.I	1156.674	0.00253	3	1	31.5	0
P12163_2_F8_12070	R.QHGIEIR.I	1156.674	0.00253	3	1	24.5	0
P12163_1_F7,19476	R.VAETLM*FDYHR.Q	1701.857	0.002	3	1	42.1	0
P12163_1_F5,7664	K.GLQNQDK.V	1410.816	0.00828	2	1	28.3	0
P12163_2_F2,8512	K.GLQNQDK.V	1410.816	0.00816	2	1	27.9	0
P12163_1_S1,20284	K.LLGDDSQNFCYACFSC	2590.253	0.01489	3	1	37.2	0
P12163_1_F8,15250	K.RVVVVDDDSIVR.G	1560.937	0.00246	3	1	52.1	0
P12163_2_F6,14638	K.RVVVVDDDSIVR.G	1560.937	0.00408	3	1	57.2	0
P12163_1_F3,14307	R.MSVEEIR.E	1167.634	0.00347	2	1	25.4	0
P12163_2_F6,14149	K.LLESAHAVDR.E	1414.796	-0.00178	3	1	37.2	0
P12163_1_F8,15867	R.ALGDHTVVPVK.V	1841.11	0.0115	2	1	39.5	0
P12163_2_F6,15317	R.ALGDHTVVPVK.V	1841.11	0.00208	3	1	36.1	0
P12163_1_F8,21022	R.IDNLVFHPIEDR.V	1771.964	0.00323	3	1	48.5	0
P12163_2_S5,19412	R.IDNLVFHPIEDR.V	1771.964	0.00107	3	1	56.4	0
P12163_2_F1,21851	R.VLIVMGK.T	1367.89	-0.00035	3	1	25.2	0
P12163_1_F3,14642	K.IDIPR.V ! K.IDLPR.G ! J	917.5721	0.00308	2	1	25.5	0
P12163_1_S1,13355	R.ALVDAPDM*VR.S ! M.	1406.761	0.01049	2	1	27.9	0
P12163_1_S1,16302	R.ALVDAPDMVR.S ! M.A	1390.767	0.01243	2	1	29.6	0
P12163_2_F1,18841	R.LSLTDIK.I	1397.882	0.00366	3	1	21.9	0

P12163_2_F1,18848	R.LSLTDIK.I	1397.882	0.00653	2	1	26.7	0
P12163_2_F1,16838	R.VALVNYGK.D ! R.VAL	1471.909	0.00227	2	1	27.8	0
P12163_2_F1,15569	K.AGTFLTK.Y	1345.83	0.00491	2	1	29.4	0
P12163_1_S1,22183	K.LLLIASNANVGGPTTA	2839.563	0.00115	3	1	79.7	0
P12163_1_S1,22218	K.LLLIASNANVGGPTTA	2839.563	0.00418	4	1	71	0
P12163_1_F5,13790	R.SLGQDSWK.I	1528.858	0.00799	2	1	28.8	0
P12163_2_F2,14454	R.SLGQDSWK.I	1528.858	0.00411	2	1	39.1	0
P12163_2_F6,19695	R.SQLPNFPLISPHDK.W	2201.254	0.00517	3	1	37.8	0
P12163_1_F5,23444	K.FFLLDK.D	1390.855	0.00614	2	1	27.4	0
P12163_1_S1,19580	K.GILYPSIDSIR.D	1537.889	0.00413	3	1	30.9	0
P12163_1_F7,14421	R.AAVEEDLAEGHGEVG	2040.03	0.0026	2	1	43.5	0
P12163_1_F7,14450	R.AAVEEDLAEGHGEVG	2040.03	0.00209	3	1	79.3	0
P12163_2_S5,14445	R.AAVEEDLAEGHGEVG	2040.03	0.00293	3	1	78.3	0
P12163_1_F2,23507	R.ILPVM*LDVGTNNQK.I	2166.241	0.00407	3	1	33.8	0
P12163_1_F9,11516	K.EHDVVFANR.D	1390.738	0.00304	3	1	32.8	0
P12163_1_F3,25211	K.LPYLEAIVK.E	1654.04	0.00246	3	1	31.5	0
P12163_1_F4,26131	K.LPYLEAIVK.E	1654.04	-0.0008	2	1	33.4	0
P12163_1_F3,20663	R.GNNFNLYLPGSGR.R	1746.886	0.00616	2	1	26.4	0
P12163_1_F8,16680	R.LHPPAPLLTSR.R	1505.911	0.00314	3	1	25.6	0
P12163_2_F6,16163	R.LHPPAPLLTSR.R	1505.911	0.00284	3	1	25	0
P12163_1_F7,22688	K.FPEVLGCDIEHEL.R.N	2018.032	0.00214	3	1	47	0
P12163_2_F10,1897	K.KFPEVLGCDIEHEL.R.N	2450.332	0.00558	4	1	68.5	0
P12163_2_F1,16496	K.VLGYNVDCCK.G	1675.93	0.00455	2	1	31.6	0
P12163_1_F5,13893	R.NNVQILGK.D	1493.926	0.00404	2	1	37.2	0
P12163_2_F2,14673	R.NNVQILGK.D	1493.926	0.00688	2	1	35.7	0
P12163_2_F9,13042	K.DRPFVLAR.A	1277.763	0.00038	3	1	23.7	0
P12163_1_F9,11497	R.DALHLDR.V	1143.642	0.00182	3	1	34.7	0
P12163_2_F7,10685	R.DALHLDR.V	1143.642	0.00179	3	1	23	0
P12163_1_S10,9516	R.EAIHVR.Y	1028.615	0.00289	3	1	26.1	0
P12163_1_S1,22619	R.FQVPDVVLPQFESK.K	2241.274	0.00776	3	1	40.8	0
P12163_1_S1,22245	K.TTLMDVLAGR.K	1380.782	0.00404	2	1	38.6	0
P12163_1_S1,9785	K.VTDVDNER.F	1251.648	0.00482	2	1	27.7	0
P12163_1_F3,24783	R.LTLLGPPSSGK.T	1791.12	0.01004	2	1	44.5	0
P12163_1_F3,24799	R.LTLLGPPSSGK.T	1791.12	0.00649	3	1	42.4	0
P12163_1_F4,18048	R.VGIDIPK.I ! R.VGIDLPI	1349.861	0.01075	2	1	24.8	0
P12163_1_F2,19311	R.ITSPLEPSSVEK.I	2008.179	0.00736	2	1	31.2	0
P12163_1_F3,28029	R.LFQVEYAIEAIK.L	2032.194	0.00621	3	1	41.2	0
P12163_1_F9,8958	R.TLVEHAR.V	1129.663	0.00433	3	1	47.6	0
P12163_1_F9,4752	R.VETQNRH.F	1187.643	0.00324	3	1	37.1	0
P12163_2_F9,5779	R.VETQNRH.F	1187.643	0.00279	3	1	24.7	0
P12163_1_F4,17977	K.NPVELDGLK.K	1592.947	0.00858	2	1	28.2	0
P12163_1_F3,22541	K.VLLQOSPLALAK.A	1889.204	0.0041	2	1	30.3	0
P12163_1_F3,22568	K.VLLQOSPLALAK.A	1889.204	0.00576	3	1	45.1	0
P12163_1_F4,24884	K.VSSEVISFLK.E	1717.036	0.00284	3	1	27.5	0
P12163_1_F2,21160	R.LENVLVVTDANTK.F	2024.185	-0.00001	3	1	41.9	0
P12163_1_F3,24221	K.ALAVFALR.D ! K.ALA	1164.741	0.00214	2	1	26.9	0
P12163_1_F4,24914	K.AVELWLVDK.A	1681.014	0.00444	3	1	23	0
P12163_2_F1,24245	K.AVELWLVDK.A	1681.014	0.00432	3	1	24	0
P12163_1_F7,16885	K.AVLPIENSVGGSIHR.N	1853.055	0.00386	3	1	43.2	0
P12163_1_S1,16288	R.VAYQGLPGAYSEAAA	1928.018	0.00192	3	1	26.4	0
P12163_2_F1,15758	K.SVFPYGK.I	1405.83	0.00023	2	1	24.8	0

P12163_1_S1,14175	R.DAISSNSIPAFR.R	1581.854	0.00597	3	1	23.9	0
P12163_1_S1,16672	R.DAISSNSIPAFR.R	1581.854	0.00351	2	1	46.9	0
P12163_1_F4,19940	R.GSIPGVSFEQMK.L	1888.046	0.01117	3	1	50.3	0
P12163_2_F9,15791	R.RGSIPGVSFEQMK.L	2044.147	0.0062	3	1	28.2	0
P12163_1_F2,18061	K.AIYPDTFYR.S	1449.768	0.00632	2	1	24.5	0
P12163_2_F9,13960	K.RVDAIEYYNEK.I	2008.096	0.0005	3	1	29.9	0
P12163_1_F5,12656	R.AEAVYAESK.S	1575.884	0.00936	2	1	34	0
P12163_2_F1,12957	R.AEAVYAESK.S	1575.884	0.00326	2	1	40.4	0
P12163_2_F2,11526	R.SMVVTNNK.E	1500.866	0.00117	2	1	26	0
P12163_1_F8,18104	K.EKLEAAGCTLTVLPGF	2323.326	-0.00351	3	1	54.8	0
P12163_1_F5,15092	R.AEEYFAK.K	1465.815	0.00543	2	1	24	0
P12163_1_F5,15176	R.AEEYFAK.K	1465.815	0.01041	3	1	25.8	0
P12163_2_F1,14022	R.GIAAGQGNSCGFGMR.	1786.863	0.00258	2	1	24.4	0
P12163_1_F2,13368	R.LNNLGPQPGSR.K	1456.817	0.00519	2	1	24.6	0
P12163_2_F6,17138	K.DGHLLGLAQSYAK.N	1981.133	0.00412	3	1	50.4	0
P12163_1_F3,26719	K.GLDFAAALMDDIK.N	1917.061	0.00865	3	1	39.9	0
P12163_1_F4,18869	K.LAYGDNSEFIK.D	1865.026	0.00512	3	1	43.6	0
P12163_2_F1,18187	K.LAYGDNSEFIK.D	1865.026	0.00046	2	1	28.7	0
P12163_1_F3,19668	R.VGCLSVLCEDEK.Q	2017.055	0.00042	2	1	27.7	0
P12163_1_F5,15050	K.SSLVYYDEK.G	1711.936	0.01617	2	1	28.8	0
P12163_1_F3,17365	R.NDELTVHEELK.R	1798.005	0.01146	2	1	34.8	0
P12163_2_S5,12956	R.SPLGVMHGK.S	1533.903	0.00233	3	1	34.8	0
P12163_1_F6,15234	R.YHSLVIEK.E ! R.YHSL	1596.957	0.00794	2	1	33.6	0
P12163_2_F7,13624	R.YHSLVIEK.E ! R.YHSL	1596.957	0.00323	3	1	29	0
P12163_1_F4,19559	K.LLGLNPK.V	1477.92	0.00179	2	1	24	0
P12163_1_F8,11050	M.APAAASDSIKPR.D	1792.054	0.00679	3	1	55.4	0
P12163_2_F6,10900	M.APAAASDSIKPR.D	1792.054	0.00409	3	1	35.5	0
P12163_1_S1,14320	R.DVCIVGVAR.T	1292.73	0.00271	2	1	33.9	0
P12163_1_F6,18550	R.LGHDSLVDGMLK.D	1893.072	0.00414	3	1	22.5	0
P12163_1_F2,14850	K.AEPNFSLTIR.N	1451.816	0.00501	3	1	28.8	0
P12163_1_F2,15321	K.AEPNFSLTIR.N	1451.816	0.00195	3	1	41.1	0
P12163_1_S1,7217	R.DPEEDER.R	1193.559	0.00593	2	1	32.6	0
P12163_2_F7,13785	R.LNVDAFHGDK.K	1723.959	0.00424	3	1	34.3	0
P12163_2_F9,6270	R.RDPEEDER.R	1349.66	0.00262	3	1	42	0
P12163_1_F3,16529	K.LTPQQVDEISK.Q	1866.079	0.0025	3	1	24.2	0
P12163_1_F5,10823	K.TAASGFSAK.L	1447.836	0.00312	2	1	38.2	0
P12163_1_F3,22695	R.ILSSVLGSQEAAK.D	1911.137	0.00552	3	1	33.2	0
P12163_1_F3,22698	R.ILSSVLGSQEAAK.D	1911.137	-0.00239	2	1	26.5	0
P12163_2_S3,8671	R.TLQLHSGHGK.L	1685.991	0.00576	4	1	22.3	0
P12163_1_F3,22128	K.AIGSYGASFLQNQLK.†	2205.249	-0.00235	3	1	48.1	0
P12163_2_F1,8357	K.DDVATNK.A	1370.774	0.01064	2	1	24.5	0
P12163_1_S1,24371	R.IPATLIADSAAAALM*†	2181.277	0.00624	3	1	28.4	0
P12163_1_F8,19757	R.LTAFELVHDR.I	1504.843	0.00667	3	1	48.9	0
P12163_2_F6,19179	R.LTAFELVHDR.I	1504.843	0.00604	3	1	41.3	0
P12163_1_F3,16374	K.DVADSVLSDK.S	1656.926	0.00548	2	1	47.5	0
P12163_1_F3,16375	K.DVADSVLSDK.S	1656.926	0.00574	3	1	25.8	0
P12163_1_F3,22056	R.EGYLYSISASTLGK.Q	2097.169	0.0107	3	1	38.4	0
P12163_2_S5,7932	R.HYVASTAER.E	1337.711	0.00273	3	1	23.4	0
P12163_1_F2,12506	R.YSSAAPLSPNAR.L	1537.828	-0.00034	2	1	31.2	0
P12163_1_S1,14691	R.EILQNQDTSFCNR.T ! †	1928.944	0.00185	2	1	33	0
P12163_1_F3,25043	R.FLGLDLVDK.G	1627.988	0.00921	3	1	35.8	0

P12163_1_F4,19277	R.LELEQTIGK.C ! R.LELI	1638.989	0.00645	3	1	23.1	0
P12163_1_F8,18842	R.LHPAAPLLIPR.E ! R.LF	1501.952	0.0027	3	1	25.7	0
P12163_2_F6,18380	R.LHPAAPLLIPR.E ! R.LF	1501.952	0.00207	3	1	23.3	0
P12163_1_F3,20253	K.EAVPEMWSPEMK.S ! I	2042.055	0.00851	2	1	33.8	0
P12163_1_F4,25832	K.FSLETIK.E	1558.966	0.00683	2	1	40.7	0
P12163_1_F8,16591	K.YGVVNEHFEVTK.F	2030.117	0.00564	2	1	24.4	0
P12163_1_F3,19047	R.AFTEEQEALVVK.S	1972.121	0.00324	3	1	51	0
P12163_1_F3,19063	R.AFTEEQEALVVK.S	1972.121	0.00431	2	1	55.1	0
P12163_1_F3,20479	K.EFEPTPAQLLK.H	1881.094	0.00795	2	1	43.9	0
P12163_1_F6,19587	K.HPLAILGYVPR.D	1539.931	0.00165	3	1	29.2	0
P12163_2_F6,19053	K.HPLAILGYVPR.D	1539.931	0.00342	3	1	36.4	0
P12163_1_S1,23931	K.SVIDAFAGIVER.D	1580.895	0.00582	2	1	27.1	0
P12163_2_F2,17547	R.GFVPNALK.T	1453.899	0.01062	3	1	23.1	0
P12163_1_F2,16109	K.AVSLAIAR.D	1104.704	0.00165	2	1	24.4	0
P12163_1_S1,16991	K.ITQLTDNVYLCR.S	1799.963	0.00939	3	1	29.2	0
P12163_1_S1,20390	K.ITQLTDNVYLCR.S	1799.963	-0.00011	2	1	27.9	0
P12163_1_F3,23876	K.NFLQTGMIVGGWDK.N	2174.189	0.00279	3	1	36	0
P12163_2_F1,7143	R.DGASGGVVR.T	1121.622	0.00434	2	1	26.3	0
P12163_1_S1,24678	K.VEEFVSIVAR.F	1452.836	0.00364	2	1	25.9	0
P12163_1_F5,12788	R.AFGYSESEGK.S	1682.885	0.00923	2	1	40.9	0
P12163_1_S1,17852	R.IAGIDQDELVDPK.L	2021.137	0.00023	3	1	56.4	0
P12163_1_S1,17877	R.IAGIDQDELVDPK.L	2021.137	0.01134	2	1	49.3	0
P12163_1_F7,19844	R.LHEISCPVLIVTGDTDR	2229.185	0.00274	3	1	44.6	0
P12163_1_F5,19591	K.ALVAFYQK.Y	1547.941	0.00338	3	1	22.1	0
P12163_2_F2,20211	K.ALVAFYQK.Y	1547.941	0.00509	2	1	27.9	0
P12163_1_S1,22632	K.AYEPILLGR.H	1448.878	0.00264	3	1	48.6	0
P12163_2_F1,13476	K.TAVAVTYCK.R	1620.924	0.00459	2	1	34.7	0
P12163_1_S1,14579	R.TLLVADPR.R	1188.725	0.00285	2	1	37.8	0
P12163_2_F4,14578	K.AGLYVHLR.I	1232.742	0.00276	3	1	37.9	0
P12163_2_F2,17664	K.QQPLTWYK.A	1671.968	0.00343	2	1	24.9	0
P12163_1_F8,18777	K.TGVLGPVVLHGIDEGk	2355.397	-0.00274	4	1	32.3	0
P12163_2_F10,1656	K.TGVLGPVVLHGIDEGk	2355.397	0.00354	4	1	42	0
P12163_1_F3,28150	R.QNLLIVFEEISGDASK.I	2371.333	0.00904	3	1	42.7	0
P12163_1_F3,20169	K.ELINPGIEIK.M	1734.062	0.00721	3	1	23.4	0
P12163_2_F1,20123	K.ELLGWEPK.V	1579.93	0.00165	2	1	30.1	0
P12163_1_F7,21344	R.ILVTTGGAGFIGSHLVDI	2292.354	0.00533	3	1	44.6	0
P12163_1_F8,22323	R.ILVTTGGAGFIGSHLVDI	2292.354	0.00224	3	1	38.6	0
P12163_1_F7,19476	R.VAETLM*FDYHR.Q	1701.857	0.002	3	1	42.1	0
P12163_1_F6,13620	K.HPDNYIEIR.D	1460.78	0.00526	3	1	35	0
P12163_1_S1,14433	K.LDVIDTR.T	1135.662	0.00484	3	1	24.7	0
P12163_1_F4,21485	K.SIVFGPLPK.T ! K.SIVF	1565.988	0.00656	2	1	32.1	0
P12163_2_F1,20958	K.SIVFGPLPK.T ! K.SIVF	1565.988	0.00339	3	1	24	0
P12163_2_F7,6334	R.AATVHPTR.T ! R.AATV	1156.674	0.00141	3	1	26.2	0
P12163_1_F3,16331	K.AIELTEQADTK.G	1827.032	0.00393	2	1	57.2	0
P12163_1_F4,12626	K.NYCEGLQEDQK.I	1991.995	0.0049	2	1	39.4	0
P12163_2_F1,11700	K.NYCEGLQEDQK.I	1991.995	0.00434	2	1	39.1	0
P12163_1_F2,14657	R.ISSGVEGIAR.I	1292.748	0.0029	2	1	33.6	0
P12163_1_F4,17635	R.VPLQTIGAK.I	1534.978	0.00449	3	1	32.2	0
P12163_1_F4,12526	K.NCSATVGQVGNVGAN	2312.224	0.00359	3	1	52.2	0
P12163_2_F1,11653	K.NCSATVGQVGNVGAN	2312.224	0.00845	3	1	43	0
P12163_1_S1,20006	R.GAIIGDTIVSGTEVPIK.	2278.348	0.00503	3	1	54.1	0

P12163_1_F9,9825	R.GIITAGHR.G	1128.679	0.00315	3	1	33.4	0
P12163_2_F6,18167	R.NAYICLIHYGDGEK.R	2261.184	0.01166	3	1	26.4	0
P12163_1_F6,15997	K.KNPFVANHLLR.K	1917.164	0.00464	4	1	35.9	0
P12163_2_F7,15355	K.NPFVANHLLR.K	1484.864	-0.00073	3	1	64.3	0
P12163_1_S10,1906	R.ASTIPTMVGHTIAIHN	2293.275	0.00874	4	1	27	0
P12163_1_F8,16960	R.EHLPYITDR.M	1560.869	0.00412	3	1	30.8	0
P12163_2_F6,16383	R.EHLPYITDR.M	1560.869	0.00118	3	1	36.1	0
P12163_1_F4,14453	K.IDVNPPK.G	1390.851	0.01211	2	1	25.6	0
P12163_2_F1,13577	K.IDVNPPK.G	1390.851	0.01059	2	1	24.7	0
P12163_1_S1,22889	K.SAGMSEAAIEELLR.V	1780.942	0.002	3	1	42	0
P12163_1_F6,15670	R.CHSIPEHLFGK.V	1933.057	0.00633	4	1	23.1	0
P12163_1_F2,15304	R.SLSPSPVSDDLQK.I	1981.106	0.00186	2	1	33.1	0
P12163_1_F3,15000	K.GQMSGILLR.K	1278.751	0.00565	3	1	31.1	0
P12163_2_F2,14909	K.SNPFTVK.S	1400.836	0.00605	2	1	24	0
P12163_1_F7,18010	K.TSVEGVFAAGDVQDH	2307.131	0.00423	3	1	44.7	0
P12163_2_S5,17805	K.TSVEGVFAAGDVQDH	2307.131	0.00321	3	1	67.1	0
P12163_2_F4,10282	R.HVHLLVR.R	1177.747	0.00347	3	1	29.4	0
P12163_1_S1,17750	K.IFLQQPNSESQLR.R	1864.023	0.00427	3	1	34.7	0
P12163_1_F6,10636	R.HAYVDPNDPTK.I	1865.001	0.01251	3	1	36.3	0
P12163_2_F7,9795	R.HAYVDPNDPTK.I	1865.001	0.00804	3	1	31	0
P12163_2_F1,6409	R.QSNVGTEPR.V	1291.691	0.0038	2	1	28.6	0
P12163_1_F6,7012	R.TYHSQPVEHSN.-	1602.781	0.00377	2	1	30.9	0
P12163_1_S1,21814	K.LVCDLYALNR.I	1540.846	0.01111	3	1	43.8	0
P12163_2_F10,1680	K.THDEQLVGDVHALSA	2498.382	0.005	4	1	35.5	0
P12163_2_F7,7624	R.EACGGHGYYAAVNR.F	1665.807	0.00053	3	1	25.1	0
P12163_1_F4,13345	R.NVDYVAPNK.A	1627.926	0.00248	2	1	43.8	0
P12163_1_S10,1043	K.ALHSLR.V	1000.62	0.00361	3	1	22.2	0
P12163_2_F6,17455	K.DHLVPCQLEALR.E	1754.952	-0.00379	3	1	30.6	0
P12163_2_F1,22288	K.LQAFEGVSIK.M	1700.02	0.0001	3	1	44.8	0
P12163_2_F2,8885	R.GQNIASSK.Y	1412.832	0.0042	2	1	25.9	0
P12163_1_S10,1247	K.MLHNIR.Q	1087.635	0.00606	3	1	23.5	0
P12163_1_F3,21335	K.VLEVLR.N	1032.672	0.0032	2	1	31.2	0
P12163_1_F3,14713	R.DGYAEVVDPK.S	1700.932	0.01378	2	1	47.7	0
P12163_1_F7,21926	R.ILGLGDLGCHGM*GIP	2418.346	0.00476	4	1	25.2	0
P12163_2_S3,16848	K.DGIDYAAVTVQLPGGI	2065.087	0.00277	3	1	32.3	0
P12163_2_F1,11759	K.NAPPDFQNTK.L	1739.954	0.00332	2	1	30.8	0
P12163_2_F2,6149	K.NTSSSTGK.I	1389.779	-0.00079	2	1	26.9	0
P12163_1_F7,19821	K.QLVASGKPFNGGEFI	2903.588	0.00167	4	1	26	0
P12163_1_F5,15628	K.NIAMGYVK.S	1503.881	0.00709	3	1	22.3	0
P12163_1_F6,13252	K.TALHDFHVANGGK.M	1975.097	0.00815	3	1	23.4	0
P12163_2_F1,14762	R.AEGGFLGAEK.I	1586.9	0.00772	3	1	39.8	0
P12163_1_F2,18907	R.VGFFAGPPAR.S	1379.774	0.00299	2	1	25.2	0
P12163_1_F2,19940	K.ALIINELTGR.V	1403.852	0.00308	3	1	36.3	0
P12163_1_F4,22374	K.LGSSSLALLAK.A	1668.052	0.00514	3	1	28	0
P12163_2_F2,13737	K.SWTYQEAK.S	1620.884	0.00703	2	1	27.2	0
P12163_1_F2,23431	R.LVEAVNAIEPQIK.S	2032.226	0.00573	3	1	24.7	0
P12163_1_S1,21958	K.DFVTLGLLPPTAEK.E	2109.242	0.00382	3	1	41.3	0
P12163_1_F3,23904	K.ILVELGPAYVK.I	1810.13	0.00439	3	1	39.2	0
P12163_1_F3,15046	R.DDVDAFTEK.S	1647.869	0.00915	2	1	43	0
P12163_1_F3,24855	R.SLAVLEGIAISSNPYK	2384.364	0.00394	3	1	59.9	0
P12163_1_F2,10990	K.ECEEEAGIPR.S	1493.721	-0.00098	2	1	32.9	0

P12163_2_F1,18576	R.AAAPYFGIK.A	1545.925	0.00459	3	1	26.7	0
P12163_1_F3,21877	R.DVIFCYDLK.L ! R.DVI	1780.976	0.00818	2	1	44.6	0
P12163_2_F8,12070	R.FASHLR.K	1034.605	0.00553	3	1	26.5	0
P12163_2_F4,15664	K.AMVEHLQHYGVITSK.	2321.29	0.00572	3	1	35.7	0
P12163_2_F1,14446	K.SAAAPLLK.E	1378.888	0.00595	2	1	31	0
P12163_2_F2,12020	R.SWSGSGVVK.N	1529.853	0.00207	2	1	27.9	0
P12163_1_F3,11976	R.YVPLTSR.D	1139.673	0.00278	3	1	22.8	0
P12163_1_S1,20362	K.EAFTLFDTDGDGK.I	2024.043	0.00691	3	1	46.8	0
P12163_1_S1,22012	K.IAPSELGILMR.S	1503.887	0.00467	3	1	39.5	0
P12163_1_F4,25621	R.FLDLM*AK.H	1461.86	0.00441	3	1	25.8	0
P12163_1_F4,14074	R.SLGGNPTQAQLK.S	1822.064	0.00137	2	1	63.9	0
P12163_1_F3,21326	K.AFVDDVVNAYEK.L	1978.074	0.00958	3	1	47.4	0
P12163_1_F3,24829	K.AILPFLDPK.T	1622.014	0.00508	2	1	26.9	0
P12163_1_F4,20838	R.FEPQDNFFK.A	1779.953	0.00681	2	1	30.8	0
P12163_1_F9,15913	R.HAILDGDIGVK.E	1746.037	0.00444	3	1	29.3	0
P12163_1_F3,6664	K.AASSSTSLNTR.K	1398.749	0.00323	2	1	36.6	0
P12163_2_F10,5758	K.SHAGTNK.A	1322.764	0.00573	3	1	24.2	0
P12163_1_F2,11399	R.AGADIETVR.K	1235.69	0.00362	2	1	36.1	0
P12163_1_F6,12915	R.KLDEDTENLAHDR.V	2164.145	0.01198	3	1	28.5	0
P12163_1_F3,23006	K.EILNTTTFWDGPEK.Y	2259.212	0.00931	3	1	38.4	0
P12163_1_F5,17686	K.GAPWQDFSK.A	1643.9	0.003	2	1	25.2	0
P12163_1_F2,17437	K.QQSIEDVLR.Q	1320.742	0.00284	2	1	31.1	0
P12163_1_F4,13372	K.QEFYDGDGGK.S	1723.875	0.00746	2	1	45.9	0
P12163_1_F8,15816	K.IVVESQDEDKIQVR.V	2266.286	0.00397	2	1	34.2	0
P12163_1_F3,13890	K.VLTNLAR.S	1090.689	0.00443	3	1	24.9	0
P12163_1_S1,24541	R.DFLIQILGEER.V	1636.921	0.00154	3	1	55.5	0
P12163_1_F3,15429	R.SAPPIGFR.R	1245.726	0.00552	3	1	37.3	0
P12163_2_F1,13830	K.AAAEEAVLR.E	1233.71	0.0055	2	1	31.5	0
P12163_1_F4,19095	K.VPFPVAK.A	1365.871	0.00929	3	1	27.3	0
P12163_1_F6,11878	R.EYPHYVK.V	1543.873	0.00723	3	1	41.2	0
P12163_1_F8,18986	R.NYSFEDVNHFMAER.I	2062.959	0.00142	3	1	40.4	0
P12163_1_S1,20524	K.AICTEAGLLALR.E	1591.914	0.00185	2	1	24.9	0
P12163_1_F4,15220	K.DEFSGADIK.A	1589.863	0.00782	2	1	32.8	0
P12163_1_F3,17099	K.GVILYGEPGTGK.T	1799.052	0.00626	2	1	36.9	0
P12163_1_F3,18782	R.LPTVTPLSK.C	1563.993	0.00675	3	1	22.4	0
P12163_1_S1,17627	K.AGEVVTTIVQNNPR.S	1802.007	-0.00209	2	1	52.5	0
P12163_1_F9,13231	K.HFEPPLR.A	1199.684	0.00258	3	1	26.1	0
P12163_2_F2,13421	R.AWAANPASK.K	1523.879	0.00394	2	1	27	0
P12163_2_F9,7733	R.NLSEEDRR.W	1322.697	0.00264	3	1	30.3	0
P12163_1_F6,15013	R.ELLIDHVGHR.C	1492.854	0.00227	3	1	43.6	0
P12163_1_F9,11175	R.GLIAHK.D	1246.809	0.00519	3	1	25.6	0
P12163_1_F8,13373	R.HTISVVPVTR.V	1412.853	0.00469	3	1	33.7	0
P12163_1_F7,19460	R.SQFPVLFVPHQETR.V	1989.086	0.0025	3	1	42.4	0
P12163_1_F8,13334	K.VELSHPNAELR.L	1568.87	0.002	2	1	25.1	0
P12163_1_F4,13353	R.AEEIPEEEK.N	1681.91	0.01052	2	1	37.2	0
P12163_1_F8,20091	R.DIYFDLVDHDK.V ! K.I	1988.059	0.00259	3	1	45.8	0
P12163_1_F6,23032	R.LLEVIFYHK.I	1656.993	0.0086	3	1	31	0
P12163_1_F4,24154	K.EGVLAIFYGECWK.I	2067.083	0.00762	3	1	29.3	0
P12163_1_F4,27867	K.IFNALNSLELK.S	1870.126	0.0044	3	1	35.2	0
P12163_1_F3,23393	R.EYSDFVAELTSK.F	1997.069	0.00731	3	1	29.1	0
P12163_2_F1,17735	R.VAADIGLEK.K	1523.925	0.00257	2	1	25.1	0

P12163_1_F4,12885	K.EVALAGSSGSK.A	1613.932	0.00556	2	1	27.3	0
P12163_2_F7,7189	R.AIEEHSEER.R	1403.707	0.00117	3	1	26.7	0
P12163_1_F3,25102	R.FEAIYPILK.E	1702.04	0.00465	3	1	24.3	0
P12163_1_F3,24154	R.VLLPMLSAK.S	1580.007	0.00567	3	1	27.6	0
P12163_2_F1,17044	K.GLQDVLK.T	1380.867	0.00907	3	1	26.5	0
P12163_2_F1,17997	K.YTFVENVK.N	1607.925	0.01375	2	1	30	0
P12163_1_F9,10175	R.CIDEGMHPR.V	1418.682	0.00505	3	1	28.2	0
P12163_1_F3,22749	R.VLVDGFEDIAK.R	1699.025	0.00314	2	1	40.9	0
P12163_1_F4,27575	K.IAVLGFAPK.K	1573.993	0.00366	3	1	31	0
P12163_1_F4,21160	K.NLFFSTDVEK.H	1808.005	0.00396	2	1	31.6	0
P12163_2_F1,7246	R.ETPEGQK.A	1396.789	0.00405	3	1	24.5	0
P12163_1_F3,25077	R.IITNLWSAELSK.L ! R	2084.221	0.00767	3	1	27.5	0
P12163_1_S1,12979	K.NECPQIVVGTPGR.I	1730.916	0.0062	2	1	44	0
P12163_1_F4,22880	K.VAVFYGGVNIK.I	1775.068	0.00516	3	1	36.9	0
P12163_2_F6,19490	R.ELAYQICHEFER.F	1898.937	0.00649	2	1	37.7	0
P12163_2_F9,14205	R.HFILDECDK.M	1784.946	0.0082	3	1	45.2	0
P12163_1_F2,10088	K.AGLAPDNEAR.D	1317.706	0.00301	2	1	31.7	0
P12163_1_F3,14835	K.VDGAIPAPK.K	1546.941	0.0052	2	1	39.6	0
P12163_1_F3,24532	R.EAEAFALLSEEGIAK.G	2186.216	-0.00217	3	1	34.7	0
P12163_1_F4,21144	R.EIIAAEEASFGK.T	1873.053	0.01523	3	1	46.2	0
P12163_2_F6,9822	K.DGHFETTPVSHSGG.-	1731.824	0.0023	2	1	28.9	0
P12163_1_F4,19450	K.IVEQAFSAQK.E	1729.01	0.00243	3	1	31.6	0
P12163_1_F4,15333	K.NLVIDDCDAK.Q	1770.952	0.00666	2	1	43.3	0
P12163_1_F5,16316	K.QSVYVFGCK.D	1695.935	0.00224	2	1	32.2	0
P12163_1_F9,15612	K.REDLFITTK.L	1731.026	0.00445	3	1	34.4	0
P12163_1_F4,21525	R.DLIINAIAK.I	1507.967	0.01018	3	1	28.1	0
P12163_2_F9,9897	R.HIDCAADYR.N	1424.689	0.00309	3	1	32.6	0
P12163_1_S1,22498	R.SIGISNYDIFLTR.D	1802.995	0.00507	3	1	57.5	0
P12163_1_F2,19078	K.GGVVAEVEGLR.G	1389.8	0.002	2	1	42.1	0
P12163_2_F6,14252	K.SSAYLPTQEACIHK.I	2213.184	0.00959	3	1	46.1	0
P12163_2_F1,14143	R.QLQSEDVVVK.G	1753.032	0.00624	3	1	23.5	0
P12163_1_S1,21652	R.VADIATVLQP GD TLK.'	2149.269	0.00558	3	1	36	0
P12163_2_F6,17472	K.DLNHIDILSK.S	1776.048	0.00421	3	1	34.1	0
P12163_1_F8,21744	K.ILFIPIHGK.K	1717.098	0.00492	3	1	27.5	0
P12163_1_F3,26924	K.VQNLVAEIVDSK.L	1923.137	0.00068	3	1	23.5	0
P12163_1_S1,24612	R.ILLSDLPR.K	1343.856	0.00335	2	1	26.9	0
P12163_1_F3,19920	K.DLPQVVIPK.T	1617.02	0.00113	3	1	26.9	0
P12163_1_F3,27649	K.LAILDFGLVTK.L	1798.13	0.00693	3	1	39.4	0
P12163_2_F8_12070	K.QLLDTGFFHADPHPGN	2452.304	0.00533	4	1	28.8	0
P12163_1_S1,14226	R.TSNQGVDAQALR.E	1662.908	-0.00136	2	1	42.5	0
P12163_1_S1,18958	K.ADWEEDATSLVSK.N	2222.144	0.00516	3	1	29	0
P12163_1_F5,17084	K.AFTNYLGSNK.A	1722.963	0.00629	2	1	35.5	0
P12163_1_F5,17373	R.MYDYVVK.E	1525.854	0.01	2	1	25.1	0
P12163_1_F3,20405	R.SANVALLLR.F	1260.794	0.0015	2	1	30.8	0
P12163_1_F4,28034	K.ALEVIQFLK.E	1669.051	0.0074	3	1	43.1	0
P12163_1_F3,26074	R.AAAVAALSQVLSAEK.	2037.216	0.00322	3	1	26.4	0
P12163_2_F1,25192	R.ASALAALSSAFK.S	1745.042	0.0012	3	1	33.6	0
P12163_1_S1,23478	R.ASALAALSSAFNPSEI	1983.045	0.00132	3	1	40.8	0
P12163_2_F6,14658	K.AGQPHAEVFALR.D	1599.891	0.00142	3	1	34.3	0
P12163_1_F4,18197	K.EGIEQNLLQK.I	1780.042	-0.00045	2	1	31.4	0
P12163_1_F4,24027	R.GNYGDLEM*LLK.E	1877.03	0.00708	3	1	34.6	0

P12163_1_F9,15501 R.LNEAFIHR.I	1303.742	0.00428	3	1	43.6	0
P12163_1_S1,17896 K.LPESVAALSANR.L	1531.874	0.00347	2	1	26.3	0
P12163_1_F6,18826 K.YSDFLSLHR.F	1441.774	0.00026	3	1	30.8	0
P12163_1_F3,20952 R.AAIASLIPSK.F	1579.004	0.00522	3	1	33.9	0
P12163_1_S1,18380 R.QNDLDEAALFTR.H	1696.881	0.00378	2	1	44.6	0
P12163_2_F1,8575 K.GTVGPDGK.W	1338.784	0.00423	2	1	30.8	0
P12163_1_F3,19352 K.IAQGVVGAVADK.G	1736.053	0.00518	2	1	46.8	0
P12163_2_F2,10814 R.GQATAVYK.V	1445.857	-0.00114	2	1	34.8	0
P12163_2_F7,19789 R.RVPIFSSSLDVFK.A	2103.242	-0.00325	3	1	31.7	0
P12163_1_F8,14504 K.KQLALPADTTVTGESK	2571.512	0.01769	4	1	32.5	0
P12163_2_F6,13717 K.KQLALPADTTVTGESK	2571.512	0.00801	4	1	45.8	0
P12163_1_F2,14126 K.QLALPADTTVTGESK.I	2139.212	0.01456	3	1	25.8	0
P12163_1_F2,14819 K.QLALPADTTVTGESK.I	2139.212	0.00443	2	1	25.9	0
P12163_1_F2,14882 K.QLALPADTTVTGESK.I	2139.212	0.00976	3	1	39.8	0
P12163_1_F2,15408 K.QLALPADTTVTGESK.I	2139.212	0.00817	3	1	45.9	0
P12163_1_F2,16431 K.QLALPADTTVTGESK.I	2139.212	0.00643	3	1	37.7	0
P12163_1_F2,16438 K.QLALPADTTVTGESK.I	2139.212	0.00503	2	1	34.9	0
P12163_1_F3,17105 K.QLALPADTTVTGESK.I	2139.212	0.00643	3	1	43.2	0
P12163_1_F4,16274 K.QLALPADTTVTGESK.I	2139.212	0.01162	3	1	30.2	0
P12163_1_F5,15788 K.QLALPADTTVTGESK.I	2139.212	0.00315	2	1	49.1	0
P12163_1_F5,16272 K.QLALPADTTVTGESK.I	2139.212	-0.00361	2	1	44.5	0
P12163_1_F6,15209 K.QLALPADTTVTGESK.I	2139.212	-0.00299	3	1	27.7	0
P12163_1_F6,15599 K.QLALPADTTVTGESK.I	2139.212	0.00697	3	1	28.6	0
P12163_1_F7,15907 K.QLALPADTTVTGESK.I	2139.212	0.00283	2	1	49	0
P12163_1_F8,16686 K.QLALPADTTVTGESK.I	2139.212	0.00646	3	1	49.3	0
P12163_1_F8,16700 K.QLALPADTTVTGESK.I	2139.212	0.00141	2	1	69.5	0
P12163_1_S1,13129 K.QLALPADTTVTGESK.I	2139.212	-0.00001	2	1	42.2	0
P12163_1_S1,13156 K.QLALPADTTVTGESK.I	2139.212	0.00877	3	1	22.8	0
P12163_1_S1,13798 K.QLALPADTTVTGESK.I	2139.212	0.00865	3	1	30.1	0
P12163_1_S1,13950 K.QLALPADTTVTGESK.I	2139.212	0.00637	4	1	32.4	0
P12163_1_S1,14008 K.QLALPADTTVTGESK.I	2139.212	0.00509	2	1	47	0
P12163_1_S1,14144 K.QLALPADTTVTGESK.I	2139.212	0.00691	3	1	39.8	0
P12163_1_S1,14298 K.QLALPADTTVTGESK.I	2139.212	0.00457	4	1	50	0
P12163_1_S1,14332 K.QLALPADTTVTGESK.I	2139.212	0.00167	2	1	28.6	0
P12163_1_S1,14529 K.QLALPADTTVTGESK.I	2139.212	0.0106	3	1	30.1	0
P12163_1_S1,14598 K.QLALPADTTVTGESK.I	2139.212	0.00849	4	1	44.8	0
P12163_1_S1,14947 K.QLALPADTTVTGESK.I	2139.212	0.01261	4	1	28.9	0
P12163_1_S1,15155 K.QLALPADTTVTGESK.I	2139.212	0.00955	3	1	49.4	0
P12163_1_S1,15349 K.QLALPADTTVTGESK.I	2139.212	0.00313	4	1	69	0
P12163_1_S1,15556 K.QLALPADTTVTGESK.I	2139.212	0.00413	2	1	55.7	0
P12163_1_S1,15704 K.QLALPADTTVTGESK.I	2139.212	0.00568	3	1	52.4	0
P12163_1_S1,15822 K.QLALPADTTVTGESK.I	2139.212	0.00349	4	1	69	0
P12163_1_S10,95 K.QLALPADTTVTGESK.I	2139.212	0.00439	2	1	57.7	0
P12163_1_S10,303 K.QLALPADTTVTGESK.I	2139.212	0.00763	3	1	31.8	0
P12163_1_S10,1577 K.QLALPADTTVTGESK.I	2139.212	0.00784	3	1	38.9	0
P12163_2_F1,16364 K.QLALPADTTVTGESK.I	2139.212	0.00651	2	1	40.5	0
P12163_2_F2,16647 K.QLALPADTTVTGESK.I	2139.212	-0.00051	2	1	35.9	0
P12163_2_F4,14477 K.QLALPADTTVTGESK.I	2139.212	0.00601	3	1	35.5	0
P12163_2_F4,15570 K.QLALPADTTVTGESK.I	2139.212	0.00449	2	1	32.2	0
P12163_2_F4,15577 K.QLALPADTTVTGESK.I	2139.212	0.00613	3	1	53	0
P12163_2_F6,16214 K.QLALPADTTVTGESK.I	2139.212	-0.00089	2	1	49	0

P12163_2_F6,16271	K.QLALPADTTVTGESK.I	2139.212	0.00226	3	1	36.6	0
P12163_2_F2,14707	K.VCQIVK.K	1354.834	0.00742	3	1	22.6	0
P12163_1_F4,18009	K.SAGGILLPK.A	1463.941	0.00509	2	1	28.9	0
P12163_1_F4,18010	K.SAGGILLPK.A	1463.941	0.00503	3	1	26.2	0
P12163_1_F5,16734	K.SAGGILLPK.A	1463.941	0.00722	3	1	22.5	0
P12163_1_F7,15856	K.SAGGILLPK.A	1463.941	0.00059	3	1	35.1	0
P12163_1_F7,15917	K.SAGGILLPK.A	1463.941	0.00129	2	1	28.1	0
P12163_1_F9,17042	K.SAGGILLPK.A	1463.941	0.00863	3	1	25.9	0
P12163_2_F1,17077	K.SAGGILLPK.A	1463.941	0.00533	3	1	27.2	0
P12163_2_F1,17094	K.SAGGILLPK.A	1463.941	0.00691	2	1	30.1	0
P12163_2_F2,140	K.SAGGILLPK.A	1463.941	0.00535	2	1	24.7	0
P12163_2_F2,830	K.SAGGILLPK.A	1463.941	0.00332	3	1	27.4	0
P12163_2_F2,1117	K.SAGGILLPK.A	1463.941	0.00511	2	1	27.5	0
P12163_2_F2,1307	K.SAGGILLPK.A	1463.941	0.00227	2	1	32.3	0
P12163_2_F2,1765	K.SAGGILLPK.A	1463.941	0.00419	3	1	23.5	0
P12163_2_F2,1828	K.SAGGILLPK.A	1463.941	0.00471	2	1	30.7	0
P12163_2_F2,1972	K.SAGGILLPK.A	1463.941	0.00407	3	1	24.6	0
P12163_2_F2,2023	K.SAGGILLPK.A	1463.941	0.00367	2	1	27.1	0
P12163_2_S5,14949	K.SAGGILLPK.A	1463.941	0.0011	3	1	24.9	0
P12163_1_S10,1066	R.HCFVK.E	1298.75	0.00839	3	1	24.5	0
P12163_2_F8_1207	R.HCFVK.E	1298.75	-0.00055	3	1	22.1	0
P12163_1_F4,16664	R.LEQLPEK.S	1464.888	0.00661	2	1	27	0
P12163_1_F7,14354	R.LEQLPEK.S	1464.888	0.00131	3	1	22.5	0
P12163_1_F7,15066	R.LEQLPEK.S	1464.888	0.01001	3	1	22.2	0
P12163_2_F1,15729	R.LEQLPEK.S	1464.888	0.00518	3	1	22.2	0
P12163_1_F8,21764	K.IEPSFGVEASQLYPDVI	2487.359	0.00198	3	1	56.6	0
P12163_1_S1,20629	K.IEPSFGVEASQLYPDVI	2487.359	0.00543	4	1	25.4	0
P12163_1_S1,20673	K.IEPSFGVEASQLYPDVI	2487.359	0.00504	3	1	70.5	0
P12163_1_F2,16621	K.VVILGDGNPK.E ! K.V	1619.994	0.00916	3	1	42.4	0
P12163_1_F2,16631	K.VVILGDGNPK.E ! K.V	1619.994	0.00786	2	1	32	0
P12163_1_F4,17955	K.VVILGDGNPK.E ! K.V	1619.994	0.00196	2	1	32.7	0
P12163_1_F6,16784	K.VVILGDGNPK.E ! K.V	1619.994	-0.00209	3	1	31	0
P12163_1_F7,15901	K.VVILGDGNPK.E ! K.V	1619.994	0.00328	3	1	31.7	0
P12163_1_F7,15910	K.VVILGDGNPK.E ! K.V	1619.994	0.0033	2	1	46.1	0
P12163_1_S1,15560	K.VVILGDGNPK.E ! K.V	1619.994	0.00523	3	1	22.5	0
P12163_2_F1,17152	K.VVILGDGNPK.E ! K.V	1619.994	0.00384	2	1	29	0
P12163_2_F1,17180	K.VVILGDGNPK.E ! K.V	1619.994	0.00676	3	1	27.6	0
P12163_2_F2,141	K.VVILGDGNPK.E ! K.V	1619.994	0.00366	2	1	46	0
P12163_2_F4,15347	K.VVILGDGNPK.E ! K.V	1619.994	0.00415	3	1	28.2	0
P12163_2_F4,15580	K.VVILGDGNPK.E ! K.V	1619.994	-0.00228	2	1	41.6	0
P12163_2_F4,15582	K.VVILGDGNPK.E ! K.V	1619.994	-0.00728	3	1	44.8	0
P12163_1_F9,10687	R.IHGAVEPAK.S	1529.926	0.00547	3	1	36	0
P12163_1_F9,10700	R.IHGAVEPAK.S	1529.926	0.00596	2	1	28.3	0
P12163_2_F7,9938	R.IHGAVEPAK.S	1529.926	0.00481	3	1	35.3	0
P12163_2_F9,9957	R.IHGAVEPAK.S	1529.926	-0.00063	4	1	30.1	0
P12163_1_F9,13292	K.IGEALHM*GGGQK.E	1822.01	0.00601	2	1	27.9	0
P12163_2_F7,12104	K.IGEALHM*GGGQK.E	1822.01	0.0068	3	1	26.2	0
P12163_2_F7,14343	K.IGEALHM*GGGQK.E	1822.01	0.00192	2	1	34.4	0
P12163_1_F8,15881	K.IGEALHM*GGGQK.E	1806.015	0.00736	2	1	31.1	0
P12163_1_F9,16020	K.IGEALHM*GGGQK.E	1806.015	0.00833	3	1	27.6	0
P12163_2_F6,15666	K.IGEALHM*GGGQK.E	1806.015	0.00304	2	1	32.8	0

P12163_2_F7,14331	K.IGEALHMGGGQK.E	1806.015	0.00569	3	1	35.7	0
P12163_1_F8,12664	K.IPGVGGGEGAAHGEEF	2073.118	0.00326	2	1	27.3	0
P12163_1_F8,12682	K.IPGVGGGEGAAHGEEF	2073.118	0.00445	4	1	31.9	0
P12163_1_F8,19275	K.IPGVGGGEGAAHGEEF	2073.118	0.00551	3	1	37.7	0
P12163_1_F8,19973	K.IPGVGGGEGAAHGEEF	2073.118	0.00725	3	1	29.8	0
P12163_1_F9,12880	K.IPGVGGGEGAAHGEEF	2073.118	0.0074	3	1	44.4	0
P12163_1_S10,12510	K.IPGVGGGEGAAHGEEF	2073.118	0.00671	3	1	22.9	0
P12163_1_S10,12970	K.IPGVGGGEGAAHGEEF	2073.118	0.0086	3	1	25.2	0
P12163_2_F6,12334	K.IPGVGGGEGAAHGEEF	2073.118	0.00022	4	1	31	0
P12163_2_F6,14557	K.IPGVGGGEGAAHGEEF	2073.118	-0.001	3	1	27	0
P12163_2_F8_12070	K.IPGVGGGEGAAHGEEF	2073.118	0.00452	3	1	29.1	0
P12163_2_F2,8458	K.QQIPGVGTTDVHHQQ	3163.635	-0.00299	4	1	25.1	0
P12163_1_F3,16627	K.GVPNSNYVVPLEK.S	2024.164	0.00142	3	1	30	0
P12163_1_F3,16672	K.GVPNSNYVVPLEK.S	2024.164	0.00357	4	1	35.4	0
P12163_1_F6,17394	K.GVPNSNYVVPLEK.S	2024.164	-0.00014	3	1	24.8	0
P12163_2_F1,18018	K.GVPNSNYVVPLEK.S	2024.164	0.00455	2	1	32.9	0
P12163_1_F2,4710	R.EATGTVSSSDSR.I	1500.744	0.00114	3	1	28.3	0
P12163_1_F2,5498	R.EATGTVSSSDSR.I	1500.744	0.00288	3	1	25.2	0
P12163_1_S1,4502	R.EATGTVSSSDSR.I	1500.744	0.00387	3	1	34	0
P12163_1_S1,4571	R.EATGTVSSSDSR.I	1500.744	0.00333	4	1	22.6	0
P12163_1_S1,5165	R.EATGTVSSSDSR.I	1500.744	0.00429	3	1	42	0
P12163_1_S1,5353	R.EATGTVSSSDSR.I	1500.744	0.00042	3	1	44.1	0
P12163_1_S1,6005	R.EATGTVSSSDSR.I	1500.744	0.00432	3	1	51.9	0
P12163_1_S1,6206	R.EATGTVSSSDSR.I	1500.744	0.00312	3	1	43	0
P12163_1_S1,7187	R.EATGTVSSSDSR.I	1500.744	0.00554	2	1	35.8	0
P12163_1_S1,7220	R.EATGTVSSSDSR.I	1500.744	0.00684	3	1	65.3	0
P12163_2_F9,4444	R.GSDGEAHR.E	1132.565	0.00289	3	1	43.8	0
P12163_2_S5,4323	R.GSDGEAHR.E	1132.565	0.00424	3	1	48	0
P12163_2_S5,4479	R.GSDGEAHR.E	1132.565	0.00325	3	1	37.1	0
P12163_1_F5,9600	K.STYDVK.A	1320.762	0.00888	3	1	25.7	0
P12163_1_F2,16621	K.VVILGDGNPK.E ! K.V	1619.994	0.00916	3	1	42.4	0
P12163_1_F2,16631	K.VVILGDGNPK.E ! K.V	1619.994	0.00786	2	1	32	0
P12163_1_F4,17955	K.VVILGDGNPK.E ! K.V	1619.994	0.00196	2	1	32.7	0
P12163_1_F6,16784	K.VVILGDGNPK.E ! K.V	1619.994	-0.00209	3	1	31	0
P12163_1_F7,15901	K.VVILGDGNPK.E ! K.V	1619.994	0.00328	3	1	31.7	0
P12163_1_F7,15910	K.VVILGDGNPK.E ! K.V	1619.994	0.0033	2	1	46.1	0
P12163_1_S1,15560	K.VVILGDGNPK.E ! K.V	1619.994	0.00523	3	1	22.5	0
P12163_2_F1,17152	K.VVILGDGNPK.E ! K.V	1619.994	0.00384	2	1	29	0
P12163_2_F1,17180	K.VVILGDGNPK.E ! K.V	1619.994	0.00676	3	1	27.6	0
P12163_2_F2,141	K.VVILGDGNPK.E ! K.V	1619.994	0.00366	2	1	46	0
P12163_2_F4,15347	K.VVILGDGNPK.E ! K.V	1619.994	0.00415	3	1	28.2	0
P12163_2_F4,15580	K.VVILGDGNPK.E ! K.V	1619.994	-0.00228	2	1	41.6	0
P12163_2_F4,15582	K.VVILGDGNPK.E ! K.V	1619.994	-0.00728	3	1	44.8	0
P12163_1_F3,12577	R.VEGAVEPTK.S	1537.905	0.00627	2	1	28.7	0
P12163_1_F4,13046	R.VEGAVEPTK.S	1537.905	0.00273	2	1	31.2	0
P12163_2_F1,12137	R.VEGAVEPTK.S	1537.905	0.00259	2	1	33.1	0
P12163_1_F2,11672	K.APEEAASTGVPVGK.T	1921.085	0.00443	3	1	25.5	0
P12163_1_F2,13107	K.APEEAASTGVPVGK.T	1921.085	0.00551	2	1	69.2	0
P12163_1_F2,13235	K.APEEAASTGVPVGK.T	1921.085	0.00563	3	1	37	0
P12163_1_F3,13621	K.APEEAASTGVPVGK.T	1921.085	0.00719	2	1	26.2	0
P12163_1_F3,13636	K.APEEAASTGVPVGK.T	1921.085	0.00764	3	1	26.8	0

P12163_2_F4,12611	K.APEEAASTGVPVGK.T	1921.085	0.00968	3	1	22.6	0
P12163_1_F4,11480	K.QVVEEAK.V	1410.841	0.00469	2	1	30.7	0
P12163_1_F6,11135	K.QVVEEAK.V	1410.841	0.00959	2	1	31.7	0
P12163_1_F7,10012	K.QVVEEAK.V	1410.841	0.00184	3	1	22.5	0
P12163_1_F7,10029	K.QVVEEAK.V	1410.841	-0.00059	2	1	28.5	0
P12163_2_F1,10634	K.QVVEEAK.V	1410.841	0.00223	3	1	32.5	0
P12163_1_F3,14521	K.VDEAANAAVEEK.A	1854.006	0.00886	2	1	82	0
P12163_1_F3,14828	K.VDEAANAAVEEK.A	1854.006	0.0069	2	1	49.8	0
P12163_1_F4,15064	K.VDEAANAAVEEK.A	1854.006	0.00906	2	1	76.7	0
P12163_1_F5,13828	K.VDEAANAAVEEK.A	1854.006	0.00738	2	1	32.7	0
P12163_1_F6,13967	K.VDEAANAAVEEK.A	1854.006	-0.0046	3	1	41.8	0
P12163_1_F4,19605	K.ASEYISSITGNK.N	1878.043	0.00756	3	1	35.8	0
P12163_1_F4,19631	K.ASEYISSITGNK.N	1878.043	0.00235	2	1	49.8	0
P12163_1_F4,19793	K.ASEYISSITGNK.N	1878.043	0.01128	3	1	40	0
P12163_2_F1,18991	K.ASEYISSITGNK.N	1878.043	0.00765	3	1	31.2	0
P12163_2_F1,19003	K.ASEYISSITGNK.N	1878.043	0.00973	2	1	35.5	0
P12163_2_F9,17493	K.ASEYISSITGNK.N	1878.043	0.00498	3	1	34.6	0
P12163_1_F6,9808	K.NTSGEEHQEIPK.Q	1977.05	0.00127	3	1	23.8	0
P12163_1_F6,9816	K.NTSGEEHQEIPK.Q	1977.05	0.00349	2	1	25.3	0
P12163_2_F6,9500	K.NTSGEEHQEIPK.Q	1977.05	0.00331	3	1	23.1	0
P12163_2_F6,9532	K.NTSGEEHQEIPK.Q	1977.05	0.00579	2	1	39.1	0
P12163_1_F4,22150	R.NGDLQGFQLFNK.A	1989.101	0.0076	2	1	60.9	0
P12163_1_F4,22153	R.NGDLQGFQLFNK.A	1989.101	0.00817	3	1	36.1	0
P12163_1_F4,22177	R.NGDLQGFQLFNK.A	1989.101	0.00643	3	1	40.9	0
P12163_2_F1,21635	R.NGDLQGFQLFNK.A	1989.101	0.00373	3	1	27.4	0
P12163_2_F1,21656	R.NGDLQGFQLFNK.A	1989.101	0.00346	2	1	61	0
P12163_2_F1,21676	R.NGDLQGFQLFNK.A	1989.101	0.00493	3	1	35.2	0
P12163_2_F2,13768	K.NM*AVNWEET.T	1744.915	0.00587	2	1	36	0
P12163_2_F2,16425	K.NMAVNWEET.T	1728.92	0.00377	3	1	38.9	0
P12163_1_F4,24590	R.ADLIAYLK.E ! R.ADLL	1514.94	0.00767	3	1	36.4	0
P12163_1_F4,24603	R.ADLIAYLK.E ! R.ADLL	1514.94	0.00882	2	1	40.3	0
P12163_1_F5,23016	R.ADLIAYLK.E ! R.ADLL	1514.94	0.00914	3	1	34	0
P12163_2_F1,23918	R.ADLIAYLK.E ! R.ADLL	1514.94	0.0035	3	1	32.5	0
P12163_2_F1,23981	R.ADLIAYLK.E ! R.ADLL	1514.94	0.00396	2	1	39.6	0
P12163_2_F4,20507	R.ADLIAYLK.E ! R.ADLL	1514.94	-0.0004	3	1	25.7	0
P12163_2_F9,20720	R.ADLIAYLK.E ! R.ADLL	1514.94	0.0065	3	1	25.2	0
P12163_2_F9,20884	R.ADLIAYLK.E ! R.ADLL	1514.94	0.00389	3	1	34.6	0
P12163_1_F4,10611	R.QSGTTPGYSSAANK.!	2140.113	0.00657	3	1	32.7	0
P12163_1_F4,12172	R.QSGTTPGYSSAANK.!	2140.113	0.00169	2	1	57.9	0
P12163_2_F1,11270	R.QSGTTPGYSSAANK.!	2140.113	0.00209	2	1	65.2	0
P12163_2_S5,11197	R.QSGTTPGYSSAANK.!	2140.113	0.01053	3	1	22.4	0
P12163_1_F4,4930	K.ESSEER.E	1169.559	0.00747	2	1	30.3	0
P12163_2_F1,4254	K.ESSEER.E	1169.559	0.00287	2	1	31.2	0
P12163_1_F7,22839	K.KEVLDPVPSPLLSLAR	2344.442	0.00723	3	1	31.3	0
P12163_1_F8,14633	K.LHSIM*QPPSEFDHAEF	2490.291	0.01359	3	1	22.2	0
P12163_1_F8,14679	K.LHSIM*QPPSEFDHAEF	2490.291	0.0059	4	1	30.9	0
P12163_1_S10,1459	K.LHSIM*QPPSEFDHAEF	2490.291	0.00887	4	1	22.1	0
P12163_2_F10,1360	K.LHSIM*QPPSEFDHAEF	2490.291	0.00491	4	1	32	0
P12163_2_F4,13709	K.LHSIM*QPPSEFDHAEF	2490.291	0.00225	3	1	41.1	0
P12163_2_S5,13873	K.LHSIM*QPPSEFDHAEF	2490.291	0.00819	4	1	26.9	0
P12163_1_F5,17000	K.LHSIMQPPSEFDHAEK	2474.296	0.00666	3	1	41.2	0

P12163_1_F8,17069	K.LHSIMQPPSEFDHAEK	2474.296	0.01187	4	1	33.6	0
P12163_2_F10,1562'	K.LHSIMQPPSEFDHAEK	2474.296	0.00143	4	1	34.3	0
P12163_2_F4,16056	K.LHSIMQPPSEFDHAEK	2474.296	0.00947	4	1	37.3	0
P12163_2_F4,16099	K.LHSIMQPPSEFDHAEK	2474.296	0.0054	3	1	38	0
P12163_1_F3,24862	K.EFPWGPDLFEK.K	2030.084	0.01001	2	1	40.8	0
P12163_1_F6,7281	K.GHPHYEPPR.Y	1522.77	0.00284	3	1	24.5	0
P12163_2_F7,6390	K.GHPHYEPPR.Y	1522.77	0.00149	4	1	23.3	0
P12163_2_F7,6396	K.GHPHYEPPR.Y	1522.77	0.00065	3	1	25.4	0
P12163_2_S3,6823	K.GHPHYEPPR.Y	1522.77	-0.00519	4	1	43.7	0
P12163_2_S3,6837	K.GHPHYEPPR.Y	1522.77	-0.00502	3	1	31.9	0
P12163_2_S5,7279	K.GHPHYEPPR.Y	1522.77	0.00153	4	1	39.7	0
P12163_1_F5,15787	R.YEYLHIR.N	1297.721	0.00309	3	1	22.9	0
P12163_1_F6,16472	R.YEYLHIR.N	1297.721	0.00408	3	1	27.3	0
P12163_1_F9,16039	R.YEYLHIR.N	1297.721	0.00444	3	1	29.4	0
P12163_2_F4,15183	R.YEYLHIR.N	1297.721	-0.00184	3	1	24.2	0
P12163_2_S5,15497	R.YEYLHIR.N	1297.721	0.00237	3	1	28.6	0
P12163_2_S5,15707	R.YEYLHIR.N	1297.721	0.00144	3	1	31.4	0
P12163_1_F5,20003	K.GMAVIWEEK.T	1670.94	0.01045	3	1	31.1	0
P12163_1_F4,24590	R.ADLIAYLK.E ! R.ADLL	1514.94	0.00767	3	1	36.4	0
P12163_1_F4,24603	R.ADLIAYLK.E ! R.ADLL	1514.94	0.00882	2	1	40.3	0
P12163_1_F5,23016	R.ADLIAYLK.E ! R.ADLL	1514.94	0.00914	3	1	34	0
P12163_2_F1,23918	R.ADLIAYLK.E ! R.ADLL	1514.94	0.0035	3	1	32.5	0
P12163_2_F1,23981	R.ADLIAYLK.E ! R.ADLL	1514.94	0.00396	2	1	39.6	0
P12163_2_F4,20507	R.ADLIAYLK.E ! R.ADLL	1514.94	-0.0004	3	1	25.7	0
P12163_2_F9,20720	R.ADLIAYLK.E ! R.ADLL	1514.94	0.0065	3	1	25.2	0
P12163_2_F9,20884	R.ADLIAYLK.E ! R.ADLL	1514.94	0.00389	3	1	34.6	0
P12163_1_F4,10611	R.QSGTTPGYSYSAANK.	2140.113	0.00657	3	1	32.7	0
P12163_1_F4,12172	R.QSGTTPGYSYSAANK.	2140.113	0.00169	2	1	57.9	0
P12163_2_F1,11270	R.QSGTTPGYSYSAANK.	2140.113	0.00209	2	1	65.2	0
P12163_2_S5,11197	R.QSGTTPGYSYSAANK.	2140.113	0.01053	3	1	22.4	0
P12163_1_S1,18196	K.ISQLNNAIDNVSSR.L	1834.992	0.00529	3	1	51.4	0
P12163_1_S1,18711	K.ISQLNNAIDNVSSR.L	1834.992	0.00354	2	1	38.4	0
P12163_1_S1,18762	K.ISQLNNAIDNVSSR.L	1834.992	0.00164	3	1	65.4	0
P12163_1_S1,18922	K.ISQLNNAIDNVSSR.L	1834.992	0.00408	2	1	61.6	0
P12163_1_S1,18990	K.ISQLNNAIDNVSSR.L	1834.992	0.00232	3	1	62.6	0
P12163_1_F6,14252	K.RPIYYDEGLER.T	1714.907	0.00298	3	1	43.5	0
P12163_2_F6,13472	K.RPIYYDEGLER.T	1714.907	-0.00389	3	1	35.6	0
P12163_1_F2,15895	R.SLLNEDEYGFR.R	1646.833	0.0018	3	1	37.8	0
P12163_1_F2,15970	R.SLLNEDEYGFR.R	1646.833	0.00536	2	1	28.9	0
P12163_1_F2,18628	R.SLLNEDEYGFR.R	1646.833	-0.00108	3	1	49	0
P12163_1_F2,18687	R.SLLNEDEYGFR.R	1646.833	0.00374	2	1	40.6	0
P12163_1_F9,18078	R.SLLNEDEYGFR.R	1646.833	0.00178	2	1	36.3	0
P12163_2_F4,17319	R.SLLNEDEYGFR.R	1646.833	0.00342	2	1	32.3	0
P12163_2_F1,13743	R.AYVENLNK.Q	1558.905	0.01099	2	1	30.6	0
P12163_2_F2,14217	R.AYVENLNK.Q	1558.905	0.00195	2	1	33.9	0
P12163_2_F2,14256	R.AYVENLNK.Q	1558.905	0.0045	3	1	31.6	0
P12163_1_F5,22526	R.FLEEFK.S ! K.FLEEFK..	1420.83	0.00492	2	1	26	0
P12163_1_F5,22753	R.FLEEFK.S ! K.FLEEFK..	1420.83	0.00394	2	1	26.6	0
P12163_1_F6,21627	R.FLEEFK.S ! K.FLEEFK..	1420.83	0.00616	2	1	25.1	0
P12163_1_F7,20836	R.FLEEFK.S ! K.FLEEFK..	1420.83	0.0043	2	1	27.4	0
P12163_2_F1,22438	R.FLEEFK.S ! K.FLEEFK..	1420.83	0.00622	2	1	24.3	0

P12163_2_F2,21999	R.FLEEFK.S ! K.FLEEFK..	1420.83	0.00652	2	1	24.5	0
P12163_2_S5,19995	R.FLEEFK.S ! K.FLEEFK..	1420.83	0.00072	3	1	25.1	0
P12163_1_F3,18116	R.LNVDNAVNPFPSEK.D	2152.186	0.01247	3	1	32.1	0
P12163_1_F3,19324	R.LNVDNAVNPFPSEK.D	2152.186	0.00665	3	1	45.7	0
P12163_1_F3,19325	R.LNVDNAVNPFPSEK.D	2152.186	0.00512	2	1	64	0
P12163_1_F5,9231	K.AQMEEEEK.R	1472.787	0.00636	2	1	26.1	0
P12163_2_F2,10006	K.AQMEEEEK.R	1472.787	0.0058	2	1	25.2	0
P12163_1_F6,12134	K.HGLSDAISK.V	1535.9	0.00605	3	1	32.4	0
P12163_1_F7,10945	K.HGLSDAISK.V	1535.9	-0.00322	3	1	26.4	0
P12163_1_F9,12120	K.HGLSDAISK.V	1535.9	0.00611	3	1	42.7	0
P12163_2_S3,10874	K.HGLSDAISK.V	1535.9	0.00635	3	1	24.5	0
P12163_2_S5,11399	K.HGLSDAISK.V	1535.9	0.00062	3	1	22.3	0
P12163_1_F8,18938	R.VAPLTHAVGNVLK.R	1927.195	0.00454	4	1	22.8	0
P12163_1_F8,18971	R.VAPLTHAVGNVLK.R	1927.195	0.00554	3	1	32.6	0
P12163_2_F6,18471	R.VAPLTHAVGNVLK.R	1927.195	-0.00019	3	1	30.6	0
P12163_2_F6,18496	R.VAPLTHAVGNVLK.R	1927.195	0.0021	4	1	23.8	0
P12163_2_F6,18514	R.VAPLTHAVGNVLK.R	1927.195	0.00202	2	1	44.5	0
P12163_1_S1,15464	K.GSPDVYLSGPIR.K	1564.864	0.00248	3	1	48.6	0
P12163_1_F8,20430	K.VVIDHGAVPIFVK.L	2002.231	0.00546	3	1	27.7	0
P12163_1_F8,20438	K.VVIDHGAVPIFVK.L	2002.231	0.00485	2	1	63.4	0
P12163_2_S5,18220	K.VVIDHGAVPIFVK.L	2002.231	0.00243	3	1	22.6	0
P12163_2_S5,18227	K.VVIDHGAVPIFVK.L	2002.231	0.00405	4	1	28.7	0
P12163_1_F3,23216	R.NAIALALSPVVK.A ! R.	1804.152	0.00542	3	1	37.9	0
P12163_1_F3,23225	R.NAIALALSPVVK.A ! R.	1804.152	0.00351	2	1	53.4	0
P12163_1_F4,23973	R.NAIALALSPVVK.A ! R.	1804.152	0.00245	2	1	45.9	0
P12163_1_F4,24020	R.NAIALALSPVVK.A ! R.	1804.152	0.01118	3	1	47.5	0
P12163_2_F1,23421	R.NAIALALSPVVK.A ! R.	1804.152	0.00254	3	1	34.3	0
P12163_2_F1,23478	R.NAIALALSPVVK.A ! R.	1804.152	0.00511	2	1	63.2	0
P12163_2_F4,20850	R.NAIALALSPVVK.A ! R.	1804.152	0.00173	3	1	30.5	0
P12163_1_F5,14463	K.AVAVLK.G	1208.819	0.00345	3	1	25.3	0
P12163_2_F1,14669	K.AVAVLK.G	1208.819	0.00153	3	1	27	0
P12163_2_F1,14677	K.AVAVLK.G	1208.819	0.00757	2	1	26.7	0
P12163_2_F2,15235	K.AVAVLK.G	1208.819	0.00699	3	1	31.8	0
P12163_2_S5,13152	K.AVAVLK.G	1208.819	0.00108	3	1	24.9	0
P12163_1_F6,11444	K.GGHELSTTGNAGGR.	1730.909	0.00009	3	1	41.6	0
P12163_1_F6,11488	K.GGHELSTTGNAGGR.	1730.909	0.00515	2	1	63.8	0
P12163_2_F7,10551	K.GGHELSTTGNAGGR.	1730.909	0.00222	2	1	49	0
P12163_1_F8,19403	R.AFVVHELEDDLK.G	2080.153	-0.00026	3	1	46.3	0
P12163_1_F8,19418	R.AFVVHELEDDLK.G	2080.153	0.01155	2	1	56.6	0
P12163_2_F8_1207C	R.AFVVHELEDDLK.G	2080.153	0.00352	3	1	24.3	0
P12163_2_F8_1207C	R.AFVVHELEDDLK.G	2080.153	0.00643	3	1	36.7	0
P12163_1_F6,16575	K.AFQLDPK.I ! K.AFQLD	1426.851	0.00959	2	1	24.4	0
P12163_2_S5,14696	K.AFQLDPK.I ! K.AFQLD	1426.851	0.00116	3	1	27.3	0
P12163_1_F4,14626	K.DGVFVNGK.F	1443.842	0.00528	2	1	25.4	0
P12163_1_F5,13061	K.DGVFVNGK.F	1443.842	0.00786	2	1	25.9	0
P12163_1_F8,20024	R.AEDFFFSLGLKPGNTA	2536.34	0.00737	4	1	24.8	0
P12163_1_F8,21386	R.AEDFFFSLGLKPGNTA	2536.34	0.00985	3	1	43.1	0
P12163_1_F8,21436	R.AEDFFFSLGLKPGNTA	2536.34	0.00745	4	1	36.9	0
P12163_1_F8,21671	R.AEDFFFSLGLKPGNTA	2536.34	0.01363	3	1	27.3	0
P12163_1_F8,21682	R.AEDFFFSLGLKPGNTA	2536.34	0.00849	4	1	30.8	0
P12163_2_F6,21051	R.AEDFFFSLGLKPGNTA	2536.34	-0.00155	4	1	30.3	0

P12163_2_F8_12070	R.AEDFFFSGLGKPGNTA	2536.34	0.00033	4	1	27.4	0
P12163_1_F9,6607	K.HAVSEGTK.A	1436.832	0.00212	3	1	27	0
P12163_1_S10,7890	K.HAVSEGTK.A	1436.832	0.00554	3	1	44.2	0
P12163_2_S5,7037	K.HAVSEGTK.A	1436.832	0.00701	3	1	32.7	0
P12163_1_F8,13222	K.QVHPDIGISSK.A	1789.043	0.00487	3	1	32.3	0
P12163_1_F3,20797	R.LVLPGELAK.H	1547.998	0.00158	3	1	32.4	0
P12163_1_F3,20817	R.LVLPGELAK.H	1547.998	0.00622	2	1	28	0
P12163_1_F4,21448	R.LVLPGELAK.H	1547.998	0.00742	2	1	27.5	0
P12163_1_F4,21461	R.LVLPGELAK.H	1547.998	0.00719	3	1	26	0
P12163_1_F6,19794	R.LVLPGELAK.H	1547.998	0.00017	3	1	28.6	0
P12163_2_F1,20911	R.LVLPGELAK.H	1547.998	0.0099	2	1	24.9	0
P12163_2_F1,20916	R.LVLPGELAK.H	1547.998	0.00368	3	1	28.3	0
P12163_1_F7,17538	K.ECDLNLDGELDHEEFV	2670.318	0.00649	3	1	48.1	0
P12163_1_F7,17867	K.ECDLNLDGELDHEEFV	2670.318	0.01501	3	1	27.9	0
P12163_1_F7,18055	K.ECDLNLDGELDHEEFV	2670.318	0.00327	4	1	33	0
P12163_1_F7,18080	K.ECDLNLDGELDHEEFV	2670.318	0.00362	2	1	40.8	0
P12163_2_S5,17598	K.ECDLNLDGELDHEEFV	2670.318	0.00466	3	1	43.7	0
P12163_2_S5,17661	K.ECDLNLDGELDHEEFV	2670.318	0.00539	4	1	24.6	0
P12163_1_F6,14305	K.HLPGPHFDPPSK.E	1937.085	0.00887	4	1	25.7	0
P12163_2_F9,13044	K.HLPGPHFDPPSK.E	1937.085	0.00511	4	1	25.8	0
P12163_2_F6,11359	R.ATEGVPHVGK.V	1602.942	0.00469	2	1	33.7	0
P12163_2_F7,10709	R.ATEGVPHVGK.V	1602.942	0.00187	3	1	25.5	0
P12163_2_F7,10849	R.ATEGVPHVGK.V	1602.942	0.00621	2	1	32.7	0
P12163_1_F4,25001	K.DEPWWPVLK.T	1778.01	0.00298	2	1	24.4	0
P12163_1_F5,21256	K.GVPYSISL.-	1139.661	0.00418	2	1	52.8	0
P12163_2_F2,21781	K.GVPYSISL.-	1139.661	0.00252	2	1	45.5	0
P12163_1_F6,13238	R.QLSVM*HPIYR.L	1563.862	0.00189	3	1	33.6	0
P12163_1_F6,16087	R.QLSVMHPIYR.L	1547.867	0.00171	3	1	41	0
P12163_1_F6,16104	R.QLSVMHPIYR.L	1547.867	0.00112	2	1	30.7	0
P12163_1_F8,15978	R.QLSVMHPIYR.L	1547.867	0.00321	3	1	67.7	0
P12163_2_F6,15403	R.QLSVMHPIYR.L	1547.867	0.00312	3	1	48.9	0
P12163_2_F6,15427	R.QLSVMHPIYR.L	1547.867	-0.00028	2	1	30.2	0
P12163_2_S3,13965	R.QLSVMHPIYR.L	1547.867	0.003	3	1	28.9	0
P12163_2_S5,14981	R.QLSVMHPIYR.L	1547.867	0.00156	3	1	25.6	0
P12163_1_F4,16168	K.DFVCVENAK.I ! K.DFV	1689.909	0.01307	2	1	44.8	0
P12163_1_F4,16205	K.DFVCVENAK.I ! K.DFV	1689.909	0.0047	3	1	39	0
P12163_2_F1,15350	K.DFVCVENAK.I ! K.DFV	1689.909	0.00329	3	1	40.4	0
P12163_2_F1,15417	K.DFVCVENAK.I ! K.DFV	1689.909	0.00925	2	1	38.5	0
P12163_2_F1,17657	K.VQLEPEQSWTAK.Q	2024.127	0.00114	2	1	27.7	0
P12163_2_F1,17686	K.VQLEPEQSWTAK.Q	2024.127	0.00658	3	1	37.5	0
P12163_1_F5,10022	R.ASVTGASVK.G	1427.868	0.00499	3	1	48	0
P12163_1_F5,10036	R.ASVTGASVK.G	1427.868	0.00644	2	1	35	0
P12163_2_F2,10914	R.ASVTGASVK.G	1427.868	0.00658	3	1	44.5	0
P12163_2_F2,10916	R.ASVTGASVK.G	1427.868	0.00576	2	1	38.2	0
P12163_1_S1,22687	K.AEEVLEVLK.K	1361.794	0.00504	2	1	36	0
P12163_1_S1,22762	K.AEEVLEVLK.K	1361.794	0.00283	3	1	38.7	0
P12163_1_S1,22906	K.AEEVLEVLK.K	1361.794	0.00388	2	1	40.2	0
P12163_1_F9,11780	R.FSHSGIEEK.R	1641.906	0.00808	2	1	31.5	0
P12163_2_F9,11323	R.FSHSGIEEK.R	1641.906	0.01028	2	1	24.8	0
P12163_1_F2,4811	R.TLEENEDNSR.T	1510.729	0.00088	3	1	22.7	0
P12163_1_F2,5781	R.TLEENEDNSR.T	1510.729	0.00661	3	1	28.4	0

P12163_1_F2,7032	R.TLEENEDNSR.T	1510.729	0.00457	3	1	27.6	0
P12163_1_F2,8310	R.TLEENEDNSR.T	1510.729	0.00492	2	1	29	0
P12163_1_S1,6393	R.TLEENEDNSR.T	1510.729	0.00427	3	1	23.1	0
P12163_2_F1,24433	K.LILYGLYK.Q	1591.008	0.00575	2	1	32.8	0
P12163_2_F9,21059	K.LILYGLYK.Q	1591.008	0.00463	3	1	28.1	0
P12163_1_F4,11472	K.TLPESTTNENK.L	1842.006	0.00737	2	1	43.1	0
P12163_1_F4,11514	K.TLPESTTNENK.L	1842.006	0.00703	3	1	23.3	0
P12163_2_F1,10641	K.TLPESTTNENK.L	1842.006	-0.00067	2	1	35.9	0
P12163_2_F1,10671	K.TLPESTTNENK.L	1842.006	0.00643	3	1	24.4	0
P12163_1_F8,15588	M.GLQEEFEEHAEK.A	2054.065	0.00513	3	1	38.4	0
P12163_1_F8,15648	M.GLQEEFEEHAEK.A	2054.065	0.0019	2	1	43.9	0
P12163_2_F6,15041	M.GLQEEFEEHAEK.A	2054.065	0.00372	3	1	49.7	0
P12163_2_F6,15089	M.GLQEEFEEHAEK.A	2054.065	0.00538	2	1	66.8	0
P12163_1_F4,14641	K.VYGPAYASPK.R	1660.952	0.00484	2	1	33.4	0
P12163_1_F4,14682	K.VYGPAYASPK.R	1660.952	0.00755	3	1	32.4	0
P12163_2_F1,13654	K.VYGPAYASPK.R	1660.952	0.00611	3	1	25.6	0
P12163_2_F9,13034	K.VYGPAYASPK.R	1660.952	0.00644	2	1	35.4	0
P12163_1_F4,14715	R.SQGTELLGK.T	1540.915	0.00963	2	1	28.9	0
P12163_1_F5,13311	R.SQGTELLGK.T	1540.915	0.00999	2	1	36	0
P12163_2_F1,13708	R.SQGTELLGK.T	1540.915	0.0039	3	1	34.1	0
P12163_1_F4,24969	R.VILCLVEK.E	1581.986	0.00288	3	1	25.3	0
P12163_2_F1,24175	R.VILCLVEK.E	1581.986	0.00869	2	1	40.3	0
P12163_2_F1,24219	R.VILCLVEK.E	1581.986	0.00573	3	1	34.8	0
P12163_1_F5,12774	-.MCGITSAK.D ! K.MCGI	1475.817	0.01152	2	1	25.6	0
P12163_2_F2,13588	-.MCGITSAK.D ! K.MCGI	1475.817	0.01558	2	1	37.8	0
P12163_1_F6,18716	R.ASDSADLEFLQLHGDC	2222.099	0.00364	3	1	70.6	0
P12163_1_F6,18761	R.ASDSADLEFLQLHGDC	2222.099	0.00063	2	1	28.5	0
P12163_1_F7,17825	R.ASDSADLEFLQLHGDC	2222.099	0.00298	3	1	60.9	0
P12163_1_F7,17847	R.ASDSADLEFLQLHGDC	2222.099	-0.00083	2	1	54.4	0
P12163_2_F10,1670	R.ASDSADLEFLQLHGDC	2222.099	0.00076	3	1	40.7	0
P12163_2_F4,17409	R.ASDSADLEFLQLHGDC	2222.099	0.00175	3	1	49.6	0
P12163_2_S5,17361	R.ASDSADLEFLQLHGDC	2222.099	0.00451	3	1	62.6	0
P12163_2_F1,18418	R.SAFPDLVQK.N	1612.952	0.00328	2	1	27.2	0
P12163_1_F2,6171	K.GSSFHR.I ! K.GSSFHR.	994.5372	0.00346	3	1	23.2	0
P12163_2_F2,6195	K.GSSFHR.I ! K.GSSFHR.	994.5372	0.00151	3	1	32	0
P12163_1_S10,1275	K.HVVFGK.V ! R.HVVFG	1294.809	0.00417	3	1	30.5	0
P12163_2_F8_1207	K.HVVFGK.V ! R.HVVFG	1294.809	0.00426	3	1	27	0
P12163_1_F5,9906	R.ALCTGEK.G	1386.787	0.00705	2	1	26.7	0
P12163_1_F6,10902	R.ALCTGEK.G	1386.787	0.01195	2	1	26.2	0
P12163_1_F8,10102	R.ALCTGEK.G	1386.787	0.00237	2	1	27.1	0
P12163_2_F2,10720	R.ALCTGEK.G	1386.787	0.00655	2	1	27	0
P12163_2_F2,10838	R.ALCTGEK.G	1386.787	0.00185	3	1	29.9	0
P12163_2_F2,11178	R.ALCTGEK.G	1386.787	0.00683	2	1	26.2	0
P12163_1_F3,17765	K.ATGDNVGPLLLK.K	1806.094	-0.00078	3	1	22.1	0
P12163_1_F3,19769	K.ATGDNVGPLLLK.K	1806.094	0.00507	3	1	25	0
P12163_1_F3,19770	K.ATGDNVGPLLLK.K	1806.094	0.00516	2	1	34.2	0
P12163_1_F6,18742	K.ATGDNVGPLLLK.K	1806.094	0.00072	3	1	34.1	0
P12163_1_F2,16436	R.AEQGINLDIR.K	1489.828	0.00229	2	1	34.9	0
P12163_1_F2,16519	R.AEQGINLDIR.K	1489.828	0.00184	3	1	25.7	0
P12163_1_F6,14950	R.SGTFPLCDGSHVK.H	2013.068	0.0074	3	1	31.4	0
P12163_1_F8,14789	R.SGTFPLCDGSHVK.H	2013.068	0.00315	2	1	26.1	0

P12163_1_F8,14802	R.SGTFPLCDGSHVK.H	2013.068	0.0083	3	1	38.1	0
P12163_2_F6,14205	R.SGTFPLCDGSHVK.H	2013.068	0.00003	2	1	29.9	0
P12163_1_F7,18105	K.DYGLIDGVIM*NPHK.I	2196.194	0.00394	3	1	53.3	0
P12163_1_F7,19397	K.DYGLIDGVIM*NPHK.I	2196.194	0.00631	3	1	49.1	0
P12163_1_F8,18942	K.DYGLIDGVIM*NPHK.I	2196.194	0.00745	3	1	64.8	0
P12163_1_F8,18953	K.DYGLIDGVIM*NPHK.I	2196.194	0.0051	4	1	26.8	0
P12163_2_F6,18510	K.DYGLIDGVIM*NPHK.I	2196.194	0.00394	3	1	78	0
P12163_2_F6,19976	K.DYGLIDGVIM*NPHK.I	2196.194	0.00302	4	1	35	0
P12163_2_F6,19943	K.DYGLIDGVIMNPHK.I	2180.199	0.00046	4	1	32.2	0
P12163_2_F6,25125	R.FQNVLSQLFQHR.I	1821.007	0.00556	3	1	28.1	0
P12163_1_F7,17805	R.IMIHQPLGGAQGGQSE	3646.904	0.00994	4	1	25.2	0
P12163_1_F5,20291	K.DLEWFK.E	1445.825	0.00816	2	1	26.7	0
P12163_2_F1,20692	K.DLEWFK.E	1445.825	0.01488	2	1	24.3	0
P12163_2_F2,20783	K.DLEWFK.E	1445.825	0.00792	2	1	26.6	0
P12163_1_F5,16898	K.ELEFYK.W ! K.ELEFYF	1436.824	0.01113	2	1	25.1	0
P12163_1_F4,19688	R.CLEETELSFK.H	1863.998	0.01094	2	1	25.6	0
P12163_1_F4,19707	R.CLEETELSFK.H	1863.998	0.00919	3	1	25.5	0
P12163_1_F4,19870	R.CLEETELSFK.H	1863.998	0.01368	2	1	28.6	0
P12163_2_F1,19075	R.CLEETELSFK.H	1863.998	0.00312	2	1	31.8	0
P12163_2_F1,19105	R.CLEETELSFK.H	1863.998	0.0088	3	1	36.8	0
P12163_2_F6,17778	K.GHIDVDTPFGAM*K.L	2012.073	0.00287	3	1	50.5	0
P12163_2_F6,17780	K.GHIDVDTPFGAM*K.L	2012.073	0.00343	4	1	39	0
P12163_2_F6,14849	K.GHIDVDTPFGAMK.L	1996.078	-0.00069	4	1	33.4	0
P12163_2_F6,17734	K.GHIDVDTPFGAMK.L	1996.078	-0.00532	3	1	31.9	0
P12163_2_F6,17758	K.GHIDVDTPFGAMK.L	1996.078	0.00763	2	1	61.4	0
P12163_1_F2,23999	K.IPVTLIYDDIK.N	1898.146	0.01154	3	1	26.7	0
P12163_1_F3,25202	K.IPVTLIYDDIK.N	1898.146	0.01064	3	1	27.9	0
P12163_1_F3,25214	K.IPVTLIYDDIK.N	1898.146	0.00708	2	1	37.2	0
P12163_1_F8,22348	K.NGISYIDIPITFRPK.D	2342.369	0.00584	3	1	40.8	0
P12163_1_F9,4442	K.DHGAPSDNER.H	1401.666	-0.00044	3	1	47.9	0
P12163_1_F9,4444	K.DHGAPSDNER.H	1401.666	-0.00044	2	1	26.2	0
P12163_2_F9,5687	K.DHGAPSDNER.H	1401.666	0.00141	3	1	36.1	0
P12163_1_S10,9055	K.GGHELSK.T	1335.784	0.00625	3	1	23.2	0
P12163_1_F8,14742	R.AVVVHADPDDLKG.G	1944.101	0.0068	3	1	31	0
P12163_1_F8,14762	R.AVVVHADPDDLKG.G	1944.101	0.00586	2	1	79.5	0
P12163_2_S5,13434	R.AVVVHADPDDLKG.G	1944.101	0.00854	3	1	32.6	0
P12163_2_S5,13438	R.AVVVHADPDDLKG.G	1944.101	0.00551	4	1	23.5	0
P12163_2_S5,13515	R.AVVVHADPDDLKG.G	1944.101	0.00524	2	1	75.9	0
P12163_1_F8,16743	K.IDHDANPQLIEEYK.V	2293.228	0.00914	3	1	37	0
P12163_1_F8,16745	K.IDHDANPQLIEEYK.V	2293.228	0.00229	2	1	66.8	0
P12163_2_F6,16229	K.IDHDANPQLIEEYK.V	2293.228	0.00707	3	1	38.1	0
P12163_2_F6,16258	K.IDHDANPQLIEEYK.V	2293.228	0.00131	2	1	59.8	0
P12163_1_F2,6992	K.NGQEVPEZR.R	1319.686	0.00313	2	1	25.5	0
P12163_1_F3,5845	K.NGQEVPEZR.R	1319.686	0.00334	3	1	25.4	0
P12163_1_F3,7118	K.NGQEVPEZR.R	1319.686	0.00349	2	1	33.4	0
P12163_1_F3,28022	K.VYGLPTLILFK.N	1872.182	0.00597	3	1	31.3	0
P12163_1_F3,28030	K.VYGLPTLILFK.N	1872.182	0.00231	2	1	29.9	0
P12163_1_F3,14221	K.GNVQPGAVLQTVSK.T	2006.185	0.00671	3	1	41.9	0
P12163_1_F3,17407	K.GNVQPGAVLQTVSK.T	2006.185	0.00353	3	1	44.7	0
P12163_1_F3,17455	K.GNVQPGAVLQTVSK.T	2006.185	0.00037	2	1	55.7	0
P12163_1_S1,19223	K.M*DGVETFDIDLK.E	2007.056	0.00584	3	1	36.1	0

P12163_1_S1,21053	K.MDGVETFDIDLK.E	1991.062	-0.00457	3	1	38.4	0
P12163_1_F4,12830	K.VGM*SCEGCVGAVK.I	1978.002	0.00678	3	1	23.1	0
P12163_2_F1,11940	K.VGM*SCEGCVGAVK.I	1978.002	0.00121	2	1	24.3	0
P12163_1_F4,14858	K.VGMSCEGCVGAVK.R	1962.007	0.00455	2	1	64.4	0
P12163_2_F1,13903	K.VGMSCEGCVGAVK.R	1962.007	0.00599	2	1	78.3	0
P12163_1_F3,20735	K.QTCLFVVVGPK.S	1856.092	0.00023	3	1	41.4	0
P12163_1_F3,20746	K.QTCLFVVVGPK.S	1856.092	0.00304	2	1	36.1	0
P12163_1_F4,21379	K.QTCLFVVVGPK.S	1856.092	0.00197	3	1	31.8	0
P12163_1_F7,20602	R.DLNLGDLVGEAYGTH	2034.056	0.0035	3	1	55.4	0
P12163_1_F7,20656	R.DLNLGDLVGEAYGTH	2034.056	-0.00483	2	1	40.7	0
P12163_2_F10,1907	R.DLNLGDLVGEAYGTH	2034.056	-0.00664	3	1	56	0
P12163_2_F10,1910	R.DLNLGDLVGEAYGTH	2034.056	0.00449	3	1	73.2	0
P12163_2_F6,19326	R.TIDIAHAWIM*K.N	1923.098	0.00883	3	1	29.7	0
P12163_1_F2,7035	K.AVDDPR.T	976.5365	0.00178	2	1	26.1	0
P12163_2_F1,6810	K.AVDDPR.T	976.5365	0.00264	2	1	32	0
P12163_1_F4,19473	K.FIVEASVK.A	1500.925	0.00598	3	1	39.2	0
P12163_1_F4,19481	K.FIVEASVK.A	1500.925	0.00679	2	1	31.3	0
P12163_2_F1,18739	K.FIVEASVK.A	1500.925	0.00505	2	1	27.4	0
P12163_2_F4,16957	K.FIVEASVK.A	1500.925	-0.00149	3	1	31	0
P12163_1_F4,19511	R.LITAIK.T ! K.LITAIK.E	1266.86	0.01187	3	1	24.4	0
P12163_2_F1,18791	R.LITAIK.T ! K.LITAIK.E	1266.86	0.00587	3	1	33	0
P12163_1_F5,12831	K.DYAEAIK.G	1417.815	0.00585	3	1	24.2	0
P12163_1_F6,13699	K.DYAEAIK.G	1417.815	0.00545	2	1	26.7	0
P12163_1_S10,1374	K.DYAEAIK.G	1417.815	0.00801	3	1	36	0
P12163_2_F8_12070	K.DYAEAIK.G	1417.815	0.00417	3	1	26.3	0
P12163_2_F8_12070	K.DYAEAIK.G	1417.815	0.00783	2	1	32.8	0
P12163_1_F3,20646	K.GVNPWIEVDGGVGP	2132.196	0.00285	3	1	63.5	0
P12163_1_F3,20684	K.GVNPWIEVDGGVGP	2132.196	0.00351	2	1	60.4	0
P12163_1_S1,20060	K.SDIIVSPSILSANFAK.L	2270.322	0.00429	3	1	51.4	0
P12163_1_S1,22688	K.LELFSYENNPYAR.I	1919.98	-0.00115	3	1	40.6	0
P12163_1_F3,20109	K.LLVDITGSK.E	1553.972	0.00732	2	1	28.8	0
P12163_1_F3,21715	K.LLVDITGSK.E	1553.972	0.00456	2	1	39.3	0
P12163_1_F3,21749	K.LLVDITGSK.E	1553.972	0.00355	3	1	26.1	0
P12163_1_F4,22661	K.LLVDITGSK.E	1553.972	0.00247	3	1	27.4	0
P12163_1_F4,22701	K.LLVDITGSK.E	1553.972	0.00836	2	1	38.4	0
P12163_1_F8,20105	R.ERNDTLEVATSSLSTL	2267.214	0.00408	3	1	56.2	0
P12163_2_S5,18774	R.ERNDTLEVATSSLSTL	2267.214	-0.00417	4	1	36.1	0
P12163_1_F3,21875	K.APAASGSSFNQLLGIK	2169.249	0.00554	3	1	41.9	0
P12163_2_F1,22169	K.APAASGSSFNQLLGIK	2169.249	0.00293	3	1	31.8	0
P12163_2_F7,18945	K.APAASGSSFNQLLGIK	2169.249	0.00353	3	1	26.9	0
P12163_1_F5,6204	K.GAAQETNK.W	1426.811	0.00721	2	1	39.5	0
P12163_1_F5,6226	K.GAAQETNK.W	1426.811	0.00334	3	1	26.9	0
P12163_2_F2,7132	K.GAAQETNK.W	1426.811	0.00679	2	1	40	0
P12163_1_S1,19529	R.AM*GLQSLPVAFGPET	2341.305	0.00047	3	1	47.1	0
P12163_1_S1,21122	R.AMGLQSLPVAFGPET	2325.31	0.00302	4	1	61.2	0
P12163_1_F4,13363	K.DLAEPGVK.R	1436.857	0.00837	2	1	27.3	0
P12163_1_F4,13422	K.DLAEPGVK.R	1436.857	0.01121	3	1	34.2	0
P12163_2_F1,12383	K.DLAEPGVK.R	1436.857	0.00199	2	1	39	0
P12163_2_F1,12433	K.DLAEPGVK.R	1436.857	0.00443	3	1	33.5	0
P12163_2_F8_12070	K.ELLDQNPPIGPAM*IHP	2856.539	0.00616	4	1	32.6	0
P12163_1_S10,18190	K.ELLDQNPPIGPAMIHP	2840.544	0.00993	4	1	29.9	0

P12163_2_F8_12070	K.ELLDQNP	IGPAMIHPSI	2840.544	0.0054	4	1	22.4	0
P12163_1_F4,12640	R.IYLHQEGV	PASHR.G	1810.987	0.00016	3	1	24	0
P12163_1_F3,19225	K.NDEIYDAIEV	K.E	1917.042	0.00689	3	1	51.9	0
P12163_1_F3,19249	K.NDEIYDAIEV	K.E	1917.042	0.00369	2	1	56.7	0
P12163_1_F6,11060	K.QLESYHK	.G	1512.863	0.00503	3	1	24.5	0
P12163_1_S1,9175	R.SLEEM*NQEADQYR	.S	1932.891	0.006	3	1	23.1	0
P12163_1_S1,11522	R.SLEEM*NQEADQYR	.S	1932.891	0.00501	3	1	35.1	0
P12163_1_S1,11888	R.SLEEMNQEADQYR	.S	1916.896	-0.01506	3	1	56.5	0
P12163_1_S1,15671	R.SLEEMNQEADQYR	.S	1916.896	0.00418	2	1	41.4	0
P12163_1_S1,15717	R.SLEEMNQEADQYR	.S	1916.896	0.00294	3	1	46.3	0
P12163_1_F4,17242	K.GISASALPYK	.R	1614.967	0.00216	2	1	37.9	0
P12163_1_F4,17264	K.GISASALPYK	.R	1614.967	0.00398	3	1	25.9	0
P12163_1_F9,16304	K.GISASALPYK	.R	1614.967	0.00184	2	1	25	0
P12163_1_F3,15346	K.ISSQDVEDNICK	.F	2016.053	0.00609	3	1	54.1	0
P12163_1_F3,15375	K.ISSQDVEDNICK	.F	2016.053	0.00832	2	1	63.8	0
P12163_1_F9,9888	R.DSHGIAQVK	.S	1562.911	0.00504	2	1	38.3	0
P12163_1_F9,9898	R.DSHGIAQVK	.S	1562.911	0.00541	3	1	47.7	0
P12163_2_F9,9500	R.DSHGIAQVK	.S	1562.911	0.00697	3	1	28.1	0
P12163_1_F2,15527	K.IQQLTEER	.K	1320.742	0.00149	2	1	24.5	0
P12163_1_F3,11378	K.IQQLTEER	.K	1320.742	0.0028	3	1	36.7	0
P12163_2_F4,13726	K.IQQLTEER	.K	1320.742	-0.00033	2	1	26.6	0
P12163_2_F1,18914	K.VIEFTK.L ! K.VLEFTK		1344.835	0.00662	3	1	22.4	0
P12163_1_F3,18585	R.TIQT DINELK	.K	1783.042	-0.00887	2	1	33	0
P12163_1_F4,19032	R.TIQT DINELK	.K	1783.042	0.00502	3	1	49.1	0
P12163_1_F4,19133	R.TIQT DINELK	.K	1783.042	0.01057	2	1	51.2	0
P12163_2_F1,18329	R.TIQT DINELK	.K	1783.042	0.00775	3	1	33.2	0
P12163_1_F3,19176	K.ATIGADFITK.E ! K.ATI		1644.978	0.00716	3	1	22.9	0
P12163_1_F4,20773	K.ATIGADFITK.E ! K.ATI		1644.978	0.00971	3	1	45.6	0
P12163_2_F1,20163	K.ATIGADFITK.E ! K.ATI		1644.978	0.00517	2	1	36	0
P12163_1_F3,18945	K.VIVLGDSGVGK	.T	1652.02	0.00634	3	1	34	0
P12163_1_F4,18190	R.GNIPYFETSAK.E ! K.G		1835.016	0.00836	2	1	39	0
P12163_1_F4,18247	R.GNIPYFETSAK.E ! K.G		1835.016	0.00761	3	1	33	0
P12163_2_F1,17433	R.GNIPYFETSAK.E ! K.G		1835.016	0.00354	2	1	27.7	0
P12163_1_F8,21321	K.DFPQCGFSHTVVQILK		2484.353	0.00438	3	1	44	0
P12163_1_F8,21346	K.DFPQCGFSHTVVQILK		2484.353	0.00956	4	1	28.1	0
P12163_1_F4,19089	K.SGELQELLEK	.A	1754.016	0.00687	3	1	29.1	0
P12163_2_F1,21584	K.SGELQELLEK	.A	1754.016	0.00669	3	1	30.6	0
P12163_2_F1,22677	K.VVLFM*K	.G	1360.848	0.00392	3	1	23.4	0
P12163_1_F5,21870	K.VVLFMK	.G	1344.853	0.00572	3	1	22.6	0
P12163_2_F2,22236	K.VVLFMK	.G	1344.853	-0.00011	2	1	36.6	0
P12163_1_F4,24160	K.AMQLLESGLK	.V	1698.008	0.00906	2	1	29.1	0
P12163_1_F4,24164	K.AMQLLESGLK	.V	1698.008	0.00839	3	1	47	0
P12163_2_F1,23551	K.AMQLLESGLK	.V	1698.008	0.00689	3	1	56.1	0
P12163_1_F3,20847	K.VLEQLSGQTPVFSK	.A	2141.243	-0.00014	3	1	59.8	0
P12163_1_F3,22939	K.VLEQLSGQTPVFSK	.A	2141.243	0.0043	3	1	41.8	0
P12163_1_F9,7103	R.VGIQHR	.V	1013.616	0.00684	3	1	25.5	0
P12163_2_F8_12070	R.VGIQHR	.V	1013.616	0.00135	3	1	29.5	0
P12163_1_F2,12998	K.SSDDIFVCER	.V	1531.736	0.00442	3	1	22.8	0
P12163_1_F2,13358	K.SSDDIFVCER	.V	1531.736	0.00247	3	1	33.8	0
P12163_1_F2,15358	K.SSDDIFVCER	.V	1531.736	0.00446	2	1	27.8	0
P12163_1_S1,15385	K.SSDDIFVCER	.V	1531.736	0.00235	3	1	28.4	0

P12163_1_S10,5561 R.RAEEQR.L	1092.606	0.00202	3	1	30.8	0
P12163_2_F10,4973 R.RAEEQR.L	1092.606	0.00238	3	1	29.4	0
P12163_1_F7,18176 R.TVCVNQHQPWNWDI	2557.271	0.00198	3	1	22.6	0
P12163_1_F2,22136 K.ILDTPSLLSEGSSGVK.I	2211.269	0.00922	3	1	26.5	0
P12163_1_F3,20638 K.ILLIGDSGVGK.S ! K.LI	1680.052	0.00865	3	1	25.3	0
P12163_1_F3,22883 K.ILLIGDSGVGK.S ! K.LI	1680.052	0.00487	3	1	44.5	0
P12163_1_F3,22897 K.ILLIGDSGVGK.S ! K.LI	1680.052	0.00801	2	1	43.1	0
P12163_1_F6,21587 K.ILLIGDSGVGK.S ! K.LI	1680.052	0.00223	3	1	32.2	0
P12163_2_F4,20559 K.ILLIGDSGVGK.S ! K.LI	1680.052	0.00142	3	1	28.6	0
P12163_1_F3,26076 R.VNVEQCFEELVLK.I	2215.225	0.00734	3	1	48.6	0
P12163_1_F4,22603 K.FGFDDAFNYK.E ! K.FC	1831.947	0.00457	2	1	40.1	0
P12163_1_F4,22629 K.FGFDDAFNYK.E ! K.FC	1831.947	0.00624	3	1	30.9	0
P12163_1_F3,28499 K.FLELVMPAIK.E	1769.085	0.00415	2	1	26.5	0
P12163_1_S1,21705 K.M*LDAVLLNMR.L ! K.	1495.828	0.00183	3	1	49	0
P12163_1_S1,21951 K.M*LDAVLLNMR.L ! K.	1495.828	0.00207	3	1	64	0
P12163_1_S1,22184 K.MLDAVLLNM*R.L ! K.	1495.828	0.00264	3	1	33.4	0
P12163_1_S1,22431 K.MLDAVLLNM*R.L ! K.	1495.828	-0.00063	3	1	30.8	0
P12163_2_F2,16045 K.IEEWNK.I	1426.815	0.01246	2	1	26.6	0
P12163_1_F8,15610 K.LDM*IDDHLGGSR.Y	1648.827	0.00253	3	1	22.5	0
P12163_1_F8,18925 K.LDMIDDHLGGSR.Y	1632.832	0.00229	3	1	39.9	0
P12163_2_S5,17813 K.LDMIDDHLGGSR.Y	1632.832	0.00424	3	1	31.5	0
P12163_1_F2,19999 R.NPDLDLAPVELK.G	1932.126	0.00957	3	1	28.9	0
P12163_1_S1,18649 R.NPDLDLAPVELK.G	1932.126	0.0057	3	1	27.7	0
P12163_1_S1,18691 R.NPDLDLAPVELK.G	1932.126	0.00425	2	1	46.6	0
P12163_1_F4,23747 K.IELLVDK.T ! R.IELLVI	1437.914	0.00718	2	1	29.1	0
P12163_1_F4,24583 K.IELLVDK.T ! R.IELLVI	1437.914	0.00762	2	1	31	0
P12163_2_F1,23179 K.IELLVDK.T ! R.IELLVI	1437.914	0.00392	2	1	30.4	0
P12163_2_F1,23808 K.IELLVDK.T ! R.IELLVI	1437.914	0.00634	2	1	30.9	0
P12163_1_F8,18363 K.RTDGLTVLCMADDTA	2156.074	0.00403	3	1	30.2	0
P12163_2_F1,16728 R.NVMIIENIDK.V	1683.956	0.01363	2	1	36.1	0
P12163_2_F1,16756 R.NVMIIENIDK.V	1683.956	0.00974	3	1	26.5	0
P12163_2_F1,11523 K.EETVDTVK.T	1528.868	0.00906	3	1	23.7	0
P12163_1_F9,17826 K.FYAPGDFK.A	1552.862	0.00444	2	1	26.2	0
P12163_1_F4,24354 R.DLLM*VLK.A	1455.906	0.00423	3	1	29.4	0
P12163_2_F1,23765 R.DLLM*VLK.A	1455.906	0.00405	3	1	24	0
P12163_1_F4,24287 R.DLLMVLK.A	1439.912	0.0064	2	1	33.8	0
P12163_1_F4,24291 R.DLLMVLK.A	1439.912	0.00624	3	1	23.5	0
P12163_2_F1,23710 R.DLLMVLK.A	1439.912	0.00252	3	1	22.8	0
P12163_1_F3,25950 K.AVPVLLFK.N	1594.055	0.00296	3	1	36.6	0
P12163_1_F4,26864 K.AVPVLLFK.N	1594.055	0.00287	3	1	37.6	0
P12163_1_F5,24695 K.AVPVLLFK.N	1594.055	0.00329	3	1	33.5	0
P12163_2_F1,25905 K.AVPVLLFK.N	1594.055	0.00605	3	1	31.3	0
P12163_2_F1,25917 K.AVPVLLFK.N	1594.055	0.00667	2	1	34.3	0
P12163_1_F2,20865 K.EFYIAAIER.V	1415.784	0.00673	2	1	34.8	0
P12163_1_F4,15020 R.ETVVG TMPK.E	1569.913	0.00545	3	1	36.5	0
P12163_1_F5,17338 K.GVTFGSFK.V	1450.851	0.00384	2	1	28.9	0
P12163_1_F5,17359 K.GVTFGSFK.V	1450.851	0.00509	3	1	33.4	0
P12163_2_F1,17881 K.GVTFGSFK.V	1450.851	0.00474	2	1	25.6	0
P12163_2_F2,18074 K.GVTFGSFK.V	1450.851	0.00557	3	1	29.9	0
P12163_2_S5,16060 K.GVTFGSFK.V	1450.851	0.00381	3	1	29.5	0
P12163_2_F1,18710 K.LMMEQLSK.R	1587.906	0.00764	3	1	22.4	0

P12163_2_F1,4806	R.NNDEATAAR.L	1265.639	0.00038	2	1	32.4	0
P12163_1_F2,16518	K.ALAVVDQTPDSAK.K	1923.101	0.01029	3	1	30.5	0
P12163_1_F2,16548	K.ALAVVDQTPDSAK.K	1923.101	0.00777	2	1	68	0
P12163_1_F5,11369	R.AWEESEK.S ! K.AWEE	1486.8	0.01136	2	1	26	0
P12163_2_F2,12038	R.AWEESEK.S ! K.AWEE	1486.8	-0.0014	2	1	25.9	0
P12163_2_F2,12057	R.AWEESEK.S ! K.AWEE	1486.8	-0.00313	3	1	35.3	0
P12163_1_F3,16496	R.DVALAEVEK.E	1581.931	0.0102	3	1	28.1	0
P12163_1_F3,16507	R.DVALAEVEK.E	1581.931	0.00811	2	1	49.3	0
P12163_1_F4,18512	K.YLLDAASGK.D	1545.91	0.00706	2	1	35.6	0
P12163_1_F4,18543	K.YLLDAASGK.D	1545.91	0.01102	3	1	23.8	0
P12163_2_F1,17771	K.YLLDAASGK.D	1545.91	0.00472	3	1	30.3	0
P12163_1_F3,19923	R.LDISSVSLAK.S	1698.026	0.00715	3	1	42	0
P12163_1_F3,19943	R.LDISSVSLAK.S	1698.026	0.00626	2	1	52.8	0
P12163_1_F7,21365	R.SPLSADLFGSICCTVQH	2685.395	0.00162	3	1	63.6	0
P12163_2_F6,19210	K.AALELAQNVKDPIEEK	2680.565	0.00716	3	1	32.7	0
P12163_1_F6,13940	K.YHSM*VLQISER.E	1682.884	0.00495	3	1	22.7	0
P12163_1_F6,16911	K.YHSMVLQISER.E	1666.889	0.00192	3	1	26.9	0
P12163_2_F6,16204	K.YHSMVLQISER.E	1666.889	0.0084	3	1	23	0
P12163_1_F2,17679	R.IPEDEVIVDPK.K	1862.073	0.00453	3	1	30.3	0
P12163_1_S1,16600	R.IPEDEVIVDPK.K	1862.073	0.00621	3	1	23.9	0
P12163_1_S1,21700	R.CGDFIQATYDAFNND	2816.341	0.00445	3	1	54.4	0
P12163_1_F6,18015	R.NTIDLITHYPGR.L	1703.938	-0.00371	3	1	27.9	0
P12163_1_F7,17089	R.NTIDLITHYPGR.L	1703.938	0.00307	3	1	29.2	0
P12163_1_F8,17856	R.NTIDLITHYPGR.L	1703.938	0.00451	3	1	48.8	0
P12163_2_F6,17364	R.NTIDLITHYPGR.L	1703.938	-0.00797	3	1	48	0
P12163_1_F7,22883	R.VSLPEAFLVHLSR.E	1859.069	-0.00159	3	1	65.4	0
P12163_1_F6,16707	K.LSVQVFHVHAGR.E	1653.949	0.0023	3	1	51.6	0
P12163_1_F6,16718	K.LSVQVFHVHAGR.E	1653.949	0.00376	4	1	29.1	0
P12163_2_S5,15344	K.LSVQVFHVHAGR.E	1653.949	0.00112	4	1	43.1	0
P12163_2_S5,15369	K.LSVQVFHVHAGR.E	1653.949	0.00188	3	1	27.2	0
P12163_1_S1,25163	R.FALVPLGPPLLAYSSK.	2281.378	0.00944	3	1	33.4	0
P12163_1_F3,11444	R.VATQLVR.M	1090.689	0.00172	3	1	22.8	0
P12163_1_F4,20486	K.GEQFSPDFLK.I	1775.979	0.00902	2	1	41.8	0
P12163_2_F1,19897	K.GEQFSPDFLK.I	1775.979	0.00464	3	1	24.7	0
P12163_2_F1,19905	K.GEQFSPDFLK.I	1775.979	0.00846	2	1	44.2	0
P12163_1_S10,1458	K.GLEYEYK.A	1509.841	0.00548	3	1	25.9	0
P12163_2_F2,14399	K.GLEYEYK.A	1509.841	0.01374	2	1	24.6	0
P12163_1_F2,20561	K.YQPPLLPSDLK.R	1976.168	0.003	3	1	31	0
P12163_1_F8,11331	R.DGHVEIANDQGNR.F	1841.941	0.00345	3	1	38.8	0
P12163_1_F8,11571	R.DGHVEIANDQGNR.F	1841.941	0.0033	3	1	41.1	0
P12163_1_F5,17500	R.TIFDVK.R	1330.819	0.00764	2	1	32.9	0
P12163_1_F5,17524	R.TIFDVK.R	1330.819	0.0059	3	1	23.8	0
P12163_2_F1,18011	R.TIFDVK.R	1330.819	0.0053	2	1	32.5	0
P12163_2_F1,23795	R.VMDYFIK.L	1523.875	0.00386	2	1	28.9	0
P12163_2_F1,7853	K.GEGAPECDK.F	1570.799	0.00467	3	1	25.5	0
P12163_2_F1,7854	K.GEGAPECDK.F	1570.799	0.00756	2	1	27.7	0
P12163_1_S1,15636	K.LETAPADFR.F	1323.721	0.00311	2	1	26.2	0
P12163_1_S1,15699	K.LETAPADFR.F	1323.721	0.00403	3	1	36.3	0
P12163_1_F4,21453	R.ALCPSDWIEK.W	1826.993	0.00858	2	1	35.8	0
P12163_1_F4,21463	R.ALCPSDWIEK.W	1826.993	0.00977	3	1	35.1	0
P12163_1_F5,18830	K.LSNFYMK.K	1510.855	0.01073	2	1	26.2	0

P12163_1_F8,18507	R.APHFELPEPLTGK.M	2044.169	0.00205	4	1	23.9	0
P12163_1_F8,20007	R.APHFELPEPLTGK.M	2044.169	0.00175	3	1	39.9	0
P12163_1_F8,20017	R.APHFELPEPLTGK.M	2044.169	0.00421	4	1	27.3	0
P12163_2_F6,19551	R.APHFELPEPLTGK.M	2044.169	0.00319	3	1	36.8	0
P12163_1_F2,16775	R.IESQGVSLGFR.A	1496.837	0.00268	3	1	33.5	0
P12163_1_F3,18041	K.DLSVVLATAK.T	1625.009	0.00153	3	1	33.7	0
P12163_1_F3,20624	K.DLSVVLATAK.T	1625.009	0.00687	2	1	49.3	0
P12163_1_F3,20627	K.DLSVVLATAK.T	1625.009	0.00678	3	1	39.2	0
P12163_1_F4,20055	K.EPNNLYNLNSFK.H	2061.122	0.00745	3	1	29.4	0
P12163_1_F4,20068	K.EPNNLYNLNSFK.H	2061.122	-0.00272	2	1	31.1	0
P12163_2_F2,15340	K.NNCFLVK.E ! K.NNCFI	1502.861	0.00176	3	1	22.4	0
P12163_1_F3,22850	K.GLGYAINTSEELNFVK	2363.307	0.00665	3	1	53.5	0
P12163_2_F1,14093	R.DIVNIQNSK.G	1638.963	0.00813	2	1	40.8	0
P12163_2_F1,14094	R.DIVNIQNSK.G	1638.963	0.0048	3	1	26.9	0
P12163_2_F7,7904	R.M*DVHESVPR.K	1389.71	-0.00222	3	1	24.8	0
P12163_1_F6,11221	R.MDVHESVPR.K	1373.715	0.00414	3	1	26.8	0
P12163_2_F7,10372	R.MDVHESVPR.K	1373.715	0.00108	3	1	26.5	0
P12163_1_F4,14800	K.GSAITGPIGK.E	1508.926	0.00574	2	1	43.2	0
P12163_1_F4,14816	K.GSAITGPIGK.E	1508.926	0.00758	3	1	30.8	0
P12163_1_F5,19521	K.NLYIISVK.G	1557.982	0.01075	2	1	31.9	0
P12163_2_F1,20188	K.NLYIISVK.G	1557.982	0.00318	3	1	30.5	0
P12163_2_F1,20207	K.NLYIISVK.G	1557.982	0.00276	2	1	28.2	0
P12163_1_S1,19026	R.MSLGLPVAATVNCAD	2598.384	0.00161	3	1	43.4	0
P12163_1_F3,18555	K.LLGEAQSPEEGLK.E	1979.127	0.0038	3	1	37.3	0
P12163_2_S3,14441	R.ASISGHVQTLLR.E	1585.933	0.00592	3	1	26.9	0
P12163_1_F2,15508	R.GVDNFM*STVR.D	1445.736	0.0015	3	1	26.2	0
P12163_1_F2,17654	R.GVDNFM*STVR.D	1445.736	0.00764	2	1	26.9	0
P12163_1_F2,15484	R.GVDNFMSTVR.D	1429.741	0.00066	3	1	38.6	0
P12163_1_F3,18210	R.GVDNFMSTVR.D	1429.741	0.00524	2	1	35.4	0
P12163_2_F7,10983	K.HVPITIGGTR.I	1354.811	0.00163	3	1	24	0
P12163_2_F7,12450	K.HVPITIGGTR.I	1354.811	0.00151	3	1	48.7	0
P12163_1_F3,21019	R.QVFSGPIVTLK.V	1797.109	0.00486	3	1	31	0
P12163_1_F3,21024	R.QVFSGPIVTLK.V	1797.109	0.00277	2	1	56.2	0
P12163_1_S1,14048	R.VLVVDGGGSLR.C	1375.821	0.00722	3	1	31.7	0
P12163_1_S1,16689	R.VLVVDGGGSLR.C	1375.821	0.00599	3	1	52.1	0
P12163_1_F4,11047	K.EDTVPNASDK.M	1683.901	0.00804	2	1	27.7	0
P12163_1_F2,17361	K.NSTIEQEILGSSGR.A	1794.95	0.00491	3	1	27.8	0
P12163_1_S1,18527	K.NSTIEQEILGSSGR.A	1794.95	-0.00316	3	1	32.6	0
P12163_1_S1,18531	K.NSTIEQEILGSSGR.A	1794.95	0.00321	2	1	37.8	0
P12163_1_F3,10568	K.QISQPDAESADNK.N	2011.055	0.00759	3	1	47.4	0
P12163_1_F3,10582	K.QISQPDAESADNK.N	2011.055	0.00445	2	1	41.7	0
P12163_1_F8,20229	K.AEFPFHVIPK.L	1793.057	-0.00585	2	1	34.3	0
P12163_1_F8,20236	K.AEFPFHVIPK.L	1793.057	0.00692	3	1	34.9	0
P12163_2_F6,19770	K.AEFPFHVIPK.L	1793.057	0.00125	3	1	51.1	0
P12163_2_F8_12070	K.HQDDVDK.N	1464.79	0.00501	3	1	25.1	0
P12163_1_F4,20701	K.VEGGWILEGQK.R	1824.048	0.00816	2	1	32.7	0
P12163_2_F1,20057	K.VEGGWILEGQK.R	1824.048	0.00498	3	1	34.8	0
P12163_1_F2,20847	K.LSDAPLAIVDK.R	1750.057	0.00696	2	1	44.3	0
P12163_1_F2,20877	K.LSDAPLAIVDK.R	1750.057	0.00554	3	1	36.6	0
P12163_1_S1,22553	K.LVANLITEAGANR.V	1645.954	0.00134	3	1	45.4	0
P12163_1_S1,22764	K.LVANLITEAGANR.V	1645.954	0.0014	3	1	47.2	0

P12163_1_S1,22974	K.LVANLITEAGANR.V	1645.954	0.00332	3	1	30.2	0
P12163_1_S1,22878	K.NITAVIPYFGYAR.A	1788.995	0.0006	3	1	29.7	0
P12163_2_S5,17463	K.IAGFSTHLMK.R	1712.998	0.00298	3	1	28.3	0
P12163_1_F2,23738	K.ILEEVAIIPSK.R	1820.135	0.00308	3	1	41.2	0
P12163_1_F2,23750	K.ILEEVAIIPSK.R	1820.135	0.00403	2	1	45.8	0
P12163_1_F2,23911	K.ILEEVAIIPSK.R	1820.135	0.00404	3	1	28.2	0
P12163_1_S1,22585	K.ILEEVAIIPSK.R	1820.135	0.00278	3	1	35.2	0
P12163_1_F2,19381	R.M*DFVPDESAIK.T	1875.998	0.00707	2	1	23.9	0
P12163_2_F8_12070	K.GSDDAHLNTHVLVD	2583.252	0.01151	3	1	44.6	0
P12163_1_F8,18776	K.M*HLFDVDIPGGR.S	1676.873	0.00561	3	1	28.3	0
P12163_2_F6,18293	K.M*HLFDVDIPGGR.S	1676.873	0.0045	3	1	59.4	0
P12163_1_F8,21506	K.MHLFDVDIPGGR.S	1660.878	0.00513	3	1	51.6	0
P12163_1_F2,19198	R.AIETQCYVIAAAQAGK	2302.268	0.00838	3	1	43.2	0
P12163_1_F3,19690	R.AIETQCYVIAAAQAGK	2302.268	-0.00026	3	1	45.4	0
P12163_1_F4,24574	R.EFALLLK.Q	1441.924	0.00621	2	1	26.1	0
P12163_1_S1,26125	R.ILEFLNPELSR.T	1634.942	0.00076	3	1	22.9	0
P12163_1_S1,26184	R.ILEFLNPELSR.T	1634.942	0.00424	2	1	27.6	0
P12163_1_F4,18698	R.LQNSIENLPK.L	1764.048	0.0063	3	1	54	0
P12163_2_F1,17913	R.LQNSIENLPK.L	1764.048	0.00516	3	1	41.3	0
P12163_2_F1,17932	R.LQNSIENLPK.L	1764.048	0.00859	2	1	35.3	0
P12163_1_F6,14922	R.LAGGANVVAHGYTK.0	1966.133	0.00975	3	1	36.6	0
P12163_1_F6,14945	R.LAGGANVVAHGYTK.0	1966.133	0.00907	2	1	31.4	0
P12163_1_F8,14780	R.LAGGANVVAHGYTK.0	1966.133	0.00756	3	1	22.6	0
P12163_2_F6,14254	R.LAGGANVVAHGYTK.0	1966.133	-0.00228	3	1	42.6	0
P12163_1_F3,10620	R.QPIGTAAQTQDGK.D	1923.076	0.00729	3	1	36.8	0
P12163_1_F9,17632	R.SLGAIIYNK.D ! R.SL0	1658.01	0.00613	3	1	27.2	0
P12163_1_F8,21375	K.LDDSHYFFTLR.V	1717.885	0.00364	3	1	33.3	0
P12163_1_F4,21638	K.VATGILSGVVK.V	1652.057	0.00961	2	1	38.4	0
P12163_1_F4,21672	K.VATGILSGVVK.V	1652.057	0.005	3	1	51.8	0
P12163_2_F1,21214	K.VATGILSGVVK.V	1652.057	0.00739	2	1	71.8	0
P12163_1_F4,18727	R.MIAAGSGQLIK.G	1697.024	0.00876	2	1	27.9	0
P12163_2_F1,18008	R.MIAAGSGQLIK.G	1697.024	0.00054	2	1	42.7	0
P12163_1_F4,20826	K.WLVENTDIK.L	1726	0.00062	3	1	27.4	0
P12163_2_F1,20148	K.WLVENTDIK.L	1726	0.00118	2	1	30.5	0
P12163_2_F1,20157	K.WLVENTDIK.L	1726	0.00245	3	1	29.1	0
P12163_1_F3,20104	R.EIIPVEGLK.L	1606.004	0.00586	3	1	34.1	0
P12163_1_F2,9263	R.M*VGAEGSPVR.C	1322.704	0.00455	3	1	40.9	0
P12163_1_F2,9285	R.MVGAEGSPVR.C	1306.709	0.0044	3	1	36.2	0
P12163_2_F1,18936	K.IGPLGLSPK.K	1489.956	0.00141	3	1	25.9	0
P12163_1_F2,22385	K.VAVVPSAAALVIK.A	1846.199	0.00364	3	1	37.7	0
P12163_1_F2,22434	K.VAVVPSAAALVIK.A	1846.199	0.0028	2	1	24.5	0
P12163_1_F3,12810	R.VTGGEVGAASSLAPK.	1952.127	0.00362	3	1	33.4	0
P12163_1_F3,15667	R.VTGGEVGAASSLAPK.	1952.127	0.0014	2	1	83	0
P12163_1_F3,15674	R.VTGGEVGAASSLAPK.	1952.127	0.00671	3	1	59.3	0
P12163_2_F10,19590	K.DYHDPPPAPLIDFEEL0	2661.402	-0.00169	4	1	27.7	0
P12163_1_F4,18413	R.SFGAAVIYNK.E	1677.978	0.01291	2	1	49.4	0
P12163_1_F4,14836	R.YGGGANELADGYNK.0	2037.05	0.00967	2	1	75.8	0
P12163_1_F4,14871	R.YGGGANELADGYNK.0	2037.05	0.00862	3	1	55.1	0
P12163_1_F9,14235	R.YGGGANELADGYNK.0	2037.05	0.01393	3	1	29.1	0
P12163_1_F9,14244	R.YGGGANELADGYNK.0	2037.05	0.01204	3	1	22.6	0
P12163_1_F3,16347	K.DASATAGLLEK.L	1683.974	0.00134	3	1	38.2	0

P12163_2_F6,19022	K.SFM*EMVHEVAESQK.	2276.151	0.00775	3	1	23.3	0
P12163_1_F5,12746	R.FGSVENCK.S	1548.83	0.00613	2	1	34.2	0
P12163_2_F1,13077	R.FGSVENCK.S	1548.83	0.00507	2	1	32.1	0
P12163_2_F2,13527	R.FGSVENCK.S	1548.83	0.01185	2	1	26.4	0
P12163_2_F2,13608	R.FGSVENCK.S	1548.83	0.00882	3	1	35	0
P12163_1_F5,16327	R.ADVFQVK.V	1414.851	0.01075	3	1	23.5	0
P12163_2_F1,16724	R.ADVFQVK.V	1414.851	0.0022	3	1	31.8	0
P12163_2_F1,16835	R.ADVFQVK.V	1414.851	0.00554	2	1	30.5	0
P12163_2_F7,10177	R.DLDIDRR.S	1206.674	0.00274	3	1	32.2	0
P12163_1_F2,15317	R.VSLEQNTLVIR.G	1575.937	0.00174	3	1	26.6	0
P12163_1_S1,17617	R.VSLEQNTLVIR.G	1575.937	0.00455	2	1	53.7	0
P12163_1_F4,18904	K.DSLQGSLACLK.L	1800.015	-0.00369	2	1	40	0
P12163_2_F1,18172	K.DSLQGSLACLK.L	1800.015	0.00217	2	1	38.2	0
P12163_2_F1,18223	K.DSLQGSLACLK.L	1800.015	0.00598	3	1	37.4	0
P12163_1_F5,18236	R.KTSGSVVLIP.-	1609.014	0.01546	2	1	41	0
P12163_2_F2,19049	R.KTSGSVVLIP.-	1609.014	0.00522	2	1	50.1	0
P12163_2_S5,13410	R.VNHTYPLSQAAQAHT	2542.295	-0.00529	4	1	66.6	0
P12163_1_F8,15312	K.AFDLGGHQIAR.R	1488.822	0.00303	3	1	61.6	0
P12163_2_F6,14680	K.AFDLGGHQIAR.R	1488.822	0.00312	3	1	69.2	0
P12163_1_F3,25309	K.ILFLGLDNAGK.T	1769.078	0.00394	3	1	35.7	0
P12163_1_F3,25325	K.ILFLGLDNAGK.T	1769.078	0.00417	2	1	51.4	0
P12163_1_F7,16040	R.LVQHQPQYPTSEELS	2763.514	0.0053	3	1	71.5	0
P12163_2_F10,1510	R.LVQHQPQYPTSEELS	2763.514	0.00551	4	1	22.5	0
P12163_1_F3,21037	K.MQYLFDENGR.R ! -.M	1576.773	0.00632	2	1	27.5	0
P12163_1_F9,12497	R.HDIIGDVR.G	1228.695	0.00355	2	1	32.7	0
P12163_1_F9,12502	R.HDIIGDVR.G	1228.695	0.00292	3	1	43.4	0
P12163_2_F9,11713	R.HDIIGDVR.G	1228.695	0.00247	3	1	34.9	0
P12163_1_F7,11246	R.QAHCADVGSHLLGR.I	1824.944	0.00379	3	1	46.2	0
P12163_1_F4,22945	K.AIYEIPYIK.E	1718.035	0.00442	2	1	41.5	0
P12163_2_F1,22408	K.AIYEIPYIK.E	1718.035	-0.00216	2	1	24.8	0
P12163_2_F1,22413	K.AIYEIPYIK.E	1718.035	0.0007	3	1	22.4	0
P12163_1_F3,23450	K.GNLEAQVDQLLNTEK	2280.266	0.00242	3	1	58.2	0
P12163_1_F4,25076	K.LLDLVEK.S	1437.914	0.00628	2	1	31.1	0
P12163_1_F4,13562	K.AQTVDLNAK.S	1654.958	0.01145	2	1	45.8	0
P12163_2_F6,12225	K.DIPDVEGDRK.S ! K.DI	1751.975	-0.00414	2	1	34.2	0
P12163_1_F3,20715	R.TLPVILGK.E	1448.966	0.00815	2	1	30.1	0
P12163_1_F4,21143	R.TLPVILGK.E	1448.966	0.01081	2	1	26.8	0
P12163_2_F1,20559	R.TLPVILGK.E	1448.966	0.00995	2	1	24.3	0
P12163_1_F3,24793	K.GVADFLQEVTSK.K	1902.079	0.01008	3	1	43.7	0
P12163_1_F3,24810	K.GVADFLQEVTSK.K	1902.079	0.00251	2	1	51.5	0
P12163_1_S1,22245	K.TTLMVLAGR.K	1380.782	0.00404	2	1	38.6	0
P12163_1_F3,24783	R.LTLLGPPSSGK.T	1791.12	0.01004	2	1	44.5	0
P12163_1_F3,24799	R.LTLLGPPSSGK.T	1791.12	0.00649	3	1	42.4	0
P12163_1_F2,14341	K.AVDPQLETVVK.N	1822.053	0.00952	2	1	35.3	0
P12163_1_F3,12406	K.AVDPQLETVVK.N	1822.053	0.00648	3	1	23.9	0
P12163_1_F3,14784	K.AVDPQLETVVK.N	1822.053	0.00422	2	1	39.6	0
P12163_1_F4,24935	K.NLEAYFDAWDK.F	1980.032	0.00417	3	1	24.8	0
P12163_1_F3,19641	R.GNALLEFR.G	1223.705	0.00358	2	1	25.4	0
P12163_1_S1,17960	K.SFEVTELPVR.S	1480.831	0.00303	3	1	34.3	0
P12163_2_F6,15697	K.VFEAHTDYIR.C	1554.822	0.00374	3	1	43.7	0
P12163_1_F4,20285	R.ANEILPSIPK.E	1690.036	0.00245	2	1	24.9	0

P12163_1_F4,20300	R.ANEILPSIPK.E	1690.036	0.00353	3	1	35.1	0
P12163_2_F1,19791	R.ANEILPSIPK.E	1690.036	0.00371	2	1	25	0
P12163_2_F6,16345	K.GRVPILMDGGVR.R	1573.915	-0.00073	3	1	30.4	0
P12163_1_F5,19283	K.NLEGLLSTK.V	1582.962	0.00869	3	1	31.3	0
P12163_2_F1,19973	K.NLEGLLSTK.V	1582.962	0.00356	3	1	36.8	0
P12163_2_F1,20007	K.NLEGLLSTK.V	1582.962	0.00436	2	1	28.1	0
P12163_1_F3,23515	R.SITNLPILIK.G	1720.119	0.01059	2	1	33	0
P12163_1_F3,20065	R.FQAQTEAANLICGAK.	2230.211	0.0037	3	1	58.4	0
P12163_1_F4,20718	R.FQAQTEAANLICGAK.	2230.211	0.00517	3	1	31.9	0
P12163_1_F3,24720	R.IIVFVGSPIK.H	1681.087	0.00556	3	1	26.4	0
P12163_1_F2,17547	R.VLVTPTSDBGK.I	1738.057	-0.00529	2	1	34.1	0
P12163_1_F3,18176	R.VLVTPTSDBGK.I	1738.057	0.00163	2	1	29.6	0
P12163_1_F5,21048	K.LWDINVK.S	1495.909	0.00557	2	1	25.4	0
P12163_1_F7,19771	K.SSILLQDAAPHLQK.C	2242.338	0.00511	3	1	28	0
P12163_1_F8,20706	K.SSILLQDAAPHLQK.C	2242.338	0.0086	3	1	32	0
P12163_1_F2,11037	R.QTIEQNTLLNR.L	1633.917	0.00687	3	1	25.2	0
P12163_1_F2,11337	R.QTIEQNTLLNR.L	1633.917	0.00483	3	1	40.8	0
P12163_1_F3,14449	R.GYGLSDPPAEPEK.A !	1968.053	0.00574	2	1	29.5	0
P12163_1_F3,14469	R.GYGLSDPPAEPEK.A !	1968.053	0.01036	3	1	27.7	0
P12163_2_F7,13153	R.HQMVG VATAGFR.A	1577.852	0.00023	3	1	24.2	0
P12163_1_F3,15114	R.SEIPIAPENK.E	1705.994	0.00427	2	1	30.7	0
P12163_1_F4,15434	R.SEIPIAPENK.E	1705.994	0.01151	2	1	24.2	0
P12163_1_F5,10503	K.EYVEDCK.Q	1550.798	0.00895	2	1	24.9	0
P12163_2_F1,10946	K.EYVEDCK.Q	1550.798	0.00687	2	1	24.5	0
P12163_2_F1,22388	K.FAVMFNK.S	1464.849	0.0016	3	1	22.8	0
P12163_2_F2,21959	K.FAVMFNK.S	1464.849	0.00181	3	1	22.9	0
P12163_1_F6,23058	K.VNLFVDHSQVM*DLE	2395.205	0.00864	3	1	45.7	0
P12163_2_F1,21693	K.SIFVYPIK.S	1574.977	0.00229	3	1	28.6	0
P12163_1_F5,14548	R.INNCTFQGVK.L	1788.989	0.0039	2	1	41.9	0
P12163_2_F2,15297	R.INNCTFQGVK.L	1788.989	0.0011	2	1	44	0
P12163_1_F5,9480	R.KVNSAAEAAA.-	1539.895	0.01111	2	1	31.5	0
P12163_2_F2,10342	R.KVNSAAEAAA.-	1539.895	0.00633	2	1	46.9	0
P12163_1_F5,20165	K.LCAVLNVNK.R	1638.982	0.00312	3	1	33.2	0
P12163_1_F3,18113	R.GQTASSLVEFPSK.E	1959.101	0.00541	2	1	66.7	0
P12163_1_F2,24162	R.LLELANATEPTVLEK.I	2249.321	0.00502	3	1	45.5	0
P12163_1_S1,23323	R.LLELANATEPTVLEK.I	2249.321	0.00619	3	1	64.8	0
P12163_1_S1,23358	R.LLELANATEPTVLEK.I	2249.321	0.00676	4	1	60.4	0
P12163_2_S3,10286	K.GHVVTNYHVIR.G	1598.907	0.00091	3	1	28.9	0
P12163_2_S3,10291	K.GHVVTNYHVIR.G	1598.907	0.00411	4	1	45.6	0
P12163_1_F8,19385	K.IVGFDQDKDVAVLR.I	2183.264	0.00345	2	1	53.2	0
P12163_2_S5,17715	K.IVGFDQDKDVAVLR.I	2183.264	0.0046	3	1	28.6	0
P12163_1_S1,12589	K.LQTDELATVR.L	1449.821	0.00344	3	1	52.1	0
P12163_1_F3,12009	K.EGQTIVVGGASEANTK	2169.197	0.0033	3	1	31.6	0
P12163_1_F4,13876	K.SLSSGEPAPSNIK.E	1895.069	0.00526	2	1	69.5	0
P12163_1_S1,9409	R.AVATEDAQSYAER.E	1714.855	0.00112	3	1	44.4	0
P12163_1_S1,9883	R.AVATEDAQSYAER.E	1714.855	-0.00116	3	1	33.2	0
P12163_1_S1,12246	R.AVATEDAQSYAER.E	1714.855	0.00068	2	1	35.5	0
P12163_1_F6,14929	K.HGEIDYEAVVK.L	1868.037	0.00841	3	1	22.6	0
P12163_1_F2,18232	K.LAEGFNGADLR.N	1466.79	0.00073	2	1	26	0
P12163_1_F3,18476	R.GVLLYGPPGTGK.T ! K	1767.062	0.00594	2	1	41	0
P12163_2_F1,18240	R.GVLLYGPPGTGK.T ! K	1767.062	0.0061	2	1	41	0

P12163_2_F1,18262	R.GVLLYGPPGTGK.T ! K	1767.062	0.00702	3	1	43.8	0
P12163_1_F2,17193	K.AFVDSGAQSTIISK.S	2032.153	0.00826	3	1	42.9	0
P12163_1_F8,16783	K.DIPSHFLDEER.Y	1661.844	0.00227	3	1	47.2	0
P12163_2_F6,16224	K.DIPSHFLDEER.Y	1661.844	0.00179	3	1	36.6	0
P12163_1_F6,21336	K.GIDENWAAALEHNPE.	2415.199	-0.0008	3	1	45	0
P12163_1_F7,20552	K.GIDENWAAALEHNPE.	2415.199	0.00316	3	1	54.1	0
P12163_1_F5,7525	R.AAGQGVGSQTK.D	1611.927	0.00286	2	1	42.7	0
P12163_2_F1,7992	R.AAGQGVGSQTK.D	1611.927	0.0018	2	1	44.5	0
P12163_1_S1,17646	R.APSIAEEFER.V	1452.764	0.00504	2	1	27.6	0
P12163_2_F1,8931	R.GGSNVDSVK.N	1470.837	0.00843	2	1	25.8	0
P12163_2_F2,9102	R.GGSNVDSVK.N	1470.837	0.00623	2	1	49.2	0
P12163_2_F6,19592	K.HPELFESLGIAQPK.G	2174.243	-0.00077	4	1	25.5	0
P12163_1_F3,18476	R.GVLLYGPPGTGK.T ! K	1767.062	0.00594	2	1	41	0
P12163_2_F1,18240	R.GVLLYGPPGTGK.T ! K	1767.062	0.0061	2	1	41	0
P12163_2_F1,18262	R.GVLLYGPPGTGK.T ! K	1767.062	0.00702	3	1	43.8	0
P12163_1_F4,14387	R.VSGSELVQK.Y	1554.931	0.01722	2	1	26.4	0
P12163_1_F7,21898	K.AGLTM*SSIDWLLLHC	2474.313	-0.00099	3	1	22.6	0
P12163_1_F7,23658	K.AGLTM*SSIDWLLLHC	2474.313	-0.00654	3	1	48.5	0
P12163_1_F2,15518	R.LDVPMER.V	1163.64	0.00289	2	1	25.7	0
P12163_1_F3,22186	R.VVPQTIESALEK.A	1922.142	0.00212	3	1	31	0
P12163_1_F5,21011	R.VVPQTIESALEK.A	1922.142	0.00304	3	1	28.2	0
P12163_1_F4,14342	K.DIAAEAVK.K	1424.857	0.01163	2	1	35.9	0
P12163_1_F3,20020	R.SDSQVFLFANSK.C	1951.074	-0.00037	3	1	27.4	0
P12163_1_F4,20566	R.SDSQVFLFANSK.C	1951.074	0.00245	2	1	51.9	0
P12163_1_F3,23125	R.SIVGATLEVIQK.R	1866.152	0.00612	3	1	64.5	0
P12163_1_F3,23177	R.SIVGATLEVIQK.R	1866.152	0.00367	2	1	66.9	0
P12163_1_F4,26541	K.ADWLVLNFK.D	1714.015	0.01009	3	1	30.9	0
P12163_1_F4,26571	K.ADWLVLNFK.D	1714.015	0.01398	2	1	38.9	0
P12163_1_S1,17790	R.AMGGSVPFEEALAAAR.	1809.947	0.00243	3	1	26.6	0
P12163_1_F3,20197	R.LSPGIDELVK.K	1679.02	0.00618	3	1	37.5	0
P12163_1_F3,20205	R.LSPGIDELVK.K	1679.02	0.00539	2	1	42.2	0
P12163_1_F5,19073	K.AFEFVAK.E	1419.846	0.00365	2	1	28.1	0
P12163_2_F1,19202	K.AFEFVAK.E	1419.846	0.00449	2	1	33	0
P12163_2_F2,19747	K.AFEFVAK.E	1419.846	-0.00474	2	1	25.6	0
P12163_1_S1,15111	K.LSDLDPETR.S	1349.721	0.00447	3	1	30	0
P12163_2_F1,20988	R.FVLCEIK.K	1516.902	0.00841	3	1	24.6	0
P12163_1_F5,12578	K.SLGLGQEEK.A	1568.91	0.00689	2	1	31.4	0
P12163_2_F1,12977	K.SLGLGQEEK.A	1568.91	0.00547	2	1	33.4	0
P12163_1_F8,10933	R.EPGATPTMHVPR.K	1596.847	0.00195	3	1	27.3	0
P12163_2_F6,11826	R.EPGATPTMHVPR.K	1596.847	-0.00015	3	1	41.8	0
P12163_1_S1,25237	R.IFTQFFDPEGIANAQK.!	2434.323	0.00165	3	1	31.1	0
P12163_2_F1,15900	K.SSLGPVGLDK.M	1580.947	0.0025	2	1	29.3	0
P12163_2_F1,15915	K.SSLGPVGLDK.M	1580.947	0.00315	3	1	30.1	0
P12163_1_S1,23925	K.VLVELAELQDR.E	1588.921	-0.00104	3	1	40.4	0
P12163_1_S1,24137	K.VLVELAELQDR.E	1588.921	0.00214	3	1	55.9	0
P12163_1_S1,17432	R.GANDYMLDEMERA	1747.793	0.00039	2	1	29.5	0
P12163_2_F9,12688	K.DHPYDPAQDSVLSR.V	1903.945	0.00142	3	1	27	0
P12163_1_S1,12064	K.NLVSVESVASDR.R	1579.859	0.01024	3	1	23.9	0
P12163_1_S1,15692	K.NLVSVESVASDR.R	1579.859	0.00322	3	1	55.9	0
P12163_1_F4,17798	K.TNYLIVDSK.T	1660.973	0.00624	3	1	28.9	0
P12163_2_F1,16922	K.TNYLIVDSK.T	1660.973	0.00318	3	1	33	0

P12163_1_S1,17671	K.DVVAWHAQQEALTV	1999.055	0.0061	2	1	30.7	0
P12163_1_S1,17964	K.FSDVYLDER.V	1447.737	0.00274	2	1	30.7	0
P12163_1_F5,17828	K.SAAEFANLYK.E	1721.968	0.00354	2	1	53.3	0
P12163_2_F1,18295	K.SAAEFANLYK.E	1721.968	-0.00166	2	1	46.3	0
P12163_2_F2,18536	K.SAAEFANLYK.E	1721.968	0.00574	2	1	37.9	0
P12163_1_F4,19464	K.EDALVDFK.S	1544.878	0.00628	3	1	35.5	0
P12163_2_F1,18730	K.EDALVDFK.S	1544.878	0.00553	3	1	26.5	0
P12163_2_F4,16726	K.FIQSHLLSR.L	1404.826	0.00423	3	1	26.5	0
P12163_1_F4,9331	K.LSEANQQNR.F	1363.723	0.0034	2	1	26.5	0
P12163_2_F1,8468	K.LSEANQQNR.F	1363.723	0.00424	2	1	25.5	0
P12163_1_F9,12740	K.ILHAAGPAK.V	1485.936	0.0037	3	1	23.7	0
P12163_2_F7,11785	K.ILHAAGPAK.V	1485.936	0.00565	3	1	33.7	0
P12163_1_S1,22344	K.LYVPSELVSVYR.E	1728.984	0.00071	3	1	31	0
P12163_2_F6,22956	K.LYVPSELVSVYR.E	1728.984	0.00405	2	1	29.3	0
P12163_1_S1,13729	R.LIQSQDDIR.N	1391.78	0.00223	2	1	28.2	0
P12163_1_F4,13258	K.ETQLEVEQK.L	1711.969	0.00179	2	1	48.3	0
P12163_1_F4,13264	K.ETQLEVEQK.L	1711.969	-0.00325	3	1	27.1	0
P12163_2_F1,12268	K.ETQLEVEQK.L	1711.969	-0.00107	2	1	47.4	0
P12163_1_S1,23509	K.IYYSPLGNFMDER.D	1908.947	0.00048	3	1	27.9	0
P12163_1_F4,17433	R.AEISAALTK.M	1511.925	0.00301	3	1	23.3	0
P12163_1_F8,16502	K.FAATVEPAHLK.T	1792.058	0.00576	3	1	46.9	0
P12163_2_F6,15995	K.FAATVEPAHLK.T	1792.058	0.00306	3	1	41.6	0
P12163_1_F3,6655	R.DNEAEVR.I	1136.585	0.00232	2	1	24.7	0
P12163_1_F3,22616	R.LLPVVINASK.D	1662.077	0.00406	3	1	44.9	0
P12163_1_F3,22677	R.LLPVVINASK.D	1662.077	0.00228	2	1	31.9	0
P12163_1_F3,6490	K.DAYGDGR.H	1057.522	0.00229	2	1	26.4	0
P12163_1_F9,12615	K.EHLNAESVTVK.D	1835.048	0.01328	3	1	37.2	0
P12163_1_F9,12719	K.EHLNAESVTVK.D	1835.048	0.00714	2	1	43.9	0
P12163_2_F1,8233	K.TPAEADV.K	1438.836	0.00295	2	1	24.7	0
P12163_2_F1,10175	K.TPAEADV.K	1438.836	0.00688	3	1	33.2	0
P12163_2_F2,11705	K.ICAEAEK.V	1428.798	0.00369	3	1	22.5	0
P12163_1_S1,17587	R.GLYPVETISIVGK.I	1984.194	0.00213	3	1	23.3	0
P12163_1_S1,20283	R.GLYPVETISIVGK.I	1984.194	0.00735	3	1	47.4	0
P12163_1_F8,18496	R.NNIDFLSLSHTR.G	1720.928	-0.00085	3	1	24	0
P12163_2_F6,18010	R.NNIDFLSLSHTR.G	1720.928	0.00404	3	1	33.4	0
P12163_1_F8,18160	K.FAATVEAAHLK.S	1766.042	0.00581	3	1	39.9	0
P12163_2_F6,17741	K.FAATVEAAHLK.S	1766.042	0.00365	3	1	53.8	0
P12163_1_F3,6655	R.DNEAEVR.I	1136.585	0.00232	2	1	24.7	0
P12163_1_F4,21341	R.LLAVEGCGALGK.L	1796.056	0.00712	2	1	52.5	0
P12163_1_F4,21342	R.LLAVEGCGALGK.L	1796.056	0.01303	3	1	63.4	0
P12163_1_S1,20601	K.EDAQAIIDSLR.E	1534.838	0.0056	2	1	33.7	0
P12163_1_S1,20625	K.EDAQAIIDSLR.E	1534.838	0.00501	3	1	48.2	0
P12163_1_F6,9555	R.AVPLHDHK.G	1524.911	0.00304	3	1	30.7	0
P12163_1_F3,24518	R.VIELDIWPNSK.K	1922.121	0.01314	3	1	29.5	0
P12163_1_F3,24522	R.VIELDIWPNSK.K	1922.121	0.00388	2	1	38.2	0
P12163_1_F3,23185	K.LYDNSAMENLFK.S	2053.088	0.00435	2	1	24.1	0
P12163_1_F5,16585	R.ASQFDLVK.A	1515.899	0.00659	2	1	26.8	0
P12163_2_F1,16978	R.ASQFDLVK.A	1515.899	-0.01613	2	1	27.5	0
P12163_1_F7,19716	R.SVYLSFVPDEEIGGHD	2757.419	0.00644	3	1	33.4	0
P12163_1_F7,19722	R.SVYLSFVPDEEIGGHD	2757.419	0.00579	4	1	30.5	0
P12163_1_F4,14566	K.SEVVIGDAK.E	1525.905	0.00859	2	1	37.4	0

P12163_2_F1,13601	K.SEVVIGDAK.E	1525.905	0.00021	2	1	37	0
P12163_1_F8,21596	R.ITQAIIDHALK.I	1831.126	0.00271	3	1	28.9	0
P12163_2_F6,21336	R.ITQAIIDHALK.I	1831.126	0.00628	3	1	42	0
P12163_2_F2,19448	R.WAIDNLK.L	1467.878	0.00566	2	1	26.3	0
P12163_1_F4,22632	K.EDLMEQMGLK.S	1801.965	0.00882	3	1	35	0
P12163_1_F4,22634	K.EDLMEQMGLK.S	1801.965	0.00784	2	1	32.3	0
P12163_1_F3,27427	K.NSTNIDTVIDWLVK.H	2226.259	0.00524	3	1	33	0
P12163_1_F3,22491	K.QEM*ELSLIGLQNAGK	2255.252	0.02168	3	1	27.9	0
P12163_1_F3,22450	K.QEMELSLIGLQNAGK.	2239.258	-0.00736	2	1	43.4	0
P12163_1_F8,15312	K.AFDLGGHQIAR.R	1488.822	0.00303	3	1	61.6	0
P12163_2_F6,14680	K.AFDLGGHQIAR.R	1488.822	0.00312	3	1	69.2	0
P12163_1_F3,25309	K.ILFLGLDNAGK.T	1769.078	0.00394	3	1	35.7	0
P12163_1_F3,25325	K.ILFLGLDNAGK.T	1769.078	0.00417	2	1	51.4	0
P12163_1_F6,18063	R.YHLGLTNFTTGK.G	1960.111	0.00618	3	1	52.3	0
P12163_1_F7,19007	K.AFVVVGDTDGHVGLC	2278.302	-0.00449	3	1	33.9	0
P12163_1_F4,21184	K.ATFECLLK.T	1589.918	0.00607	3	1	31.3	0
P12163_2_F1,20453	K.ATFECLLK.T	1589.918	-0.00119	3	1	31.2	0
P12163_2_F1,16781	R.GAILLAK.L	1293.871	0.00602	2	1	29.3	0
P12163_2_F1,16813	R.GAILLAK.L	1293.871	0.00479	3	1	37.1	0
P12163_1_F3,17905	K.ALAVLR.S ! K.ALAVLI	946.6351	0.00409	2	1	24.4	0
P12163_1_F5,15460	K.QYAVFDEK.V	1607.889	0.01119	2	1	27.8	0
P12163_1_S10,1585	K.QYAVFDEK.V	1607.889	0.00787	3	1	27	0
P12163_1_S1,18883	K.SPPEIPVVTLPK.F	2014.204	0.01576	2	1	32.1	0
P12163_1_S1,18887	K.SPPEIPVVTLPK.F	2014.204	0.00747	3	1	44.4	0
P12163_1_F3,14321	K.AVMVEEPPK.R	1639.918	0.00671	2	1	43.6	0
P12163_1_S1,23117	R.NLDLLLGLENR.V	1573.921	0.00258	3	1	47.4	0
P12163_1_S1,23214	R.NLDLLLGLENR.V	1573.921	-0.0005	2	1	27.1	0
P12163_1_S1,19826	R.VTGLLECDGIR.D	1536.836	0.002	2	1	26	0
P12163_1_S1,19889	R.VTGLLECDGIR.D	1536.836	0.00395	3	1	77.2	0
P12163_1_S1,17745	K.LFPDEISADQSK.A	1958.069	0.00579	3	1	39.9	0
P12163_1_F6,17648	K.NTYDHLLFSR.S	1569.833	0.00249	2	1	29.4	0
P12163_2_S3,15575	K.NTYDHLLFSR.S	1569.833	0.00264	3	1	23.2	0
P12163_1_F3,23573	K.YLASMEGAVLSGK.L	1934.088	0.01348	3	1	32	0
P12163_1_F4,24275	K.YLASMEGAVLSGK.L	1934.088	0.00613	3	1	48	0
P12163_1_F7,21858	K.IDYPAACNAM*ETLLV	2570.357	0.00466	3	1	45.2	0
P12163_1_F3,20480	R.EEIPDLLK.L	1564.941	0.00698	3	1	30.3	0
P12163_1_F9,15992	R.VGTLFHR.D	1133.673	0.0034	3	1	24.9	0
P12163_1_S10,1605	R.VGTLFHR.D	1133.673	0.00481	3	1	30.9	0
P12163_2_F9,15101	R.VGTLFHR.D	1133.673	0.00721	3	1	49.5	0
P12163_1_F3,24590	K.NLLNFVELPPK.D	1892.147	0.00209	2	1	35.6	0
P12163_1_F3,24602	K.NLLNFVELPPK.D	1892.147	-0.00001	3	1	42.1	0
P12163_1_F6,18163	R.NFLLEQYAGHER.S	1780.928	-0.00005	3	1	27.2	0
P12163_2_F6,17528	R.NFLLEQYAGHER.S	1780.928	0.00283	3	1	28.3	0
P12163_2_F1,18291	R.SEESIEAAFEK.L	1847.985	0.00423	3	1	25.5	0
P12163_1_F4,17601	R.IVMAAAK.H	1382.865	0.00884	3	1	30.5	0
P12163_1_F9,19400	R.IVNPFFHAR.L	1404.805	0.0015	3	1	37.9	0
P12163_2_F7,17508	R.IVNPFFHAR.L	1404.805	0.00066	3	1	27.2	0
P12163_1_S1,24369	R.VVEGAVAETSALLEQF	2252.296	0.00817	3	1	29.6	0
P12163_2_F6,17214	K.IPFHTDAAQALGK.I	1977.138	0.00426	3	1	39	0
P12163_1_F9,11786	R.ITALHDR.L	1129.663	0.00127	3	1	36.4	0
P12163_2_F9,11167	R.ITALHDR.L	1129.663	0.0022	3	1	43.7	0

P12163_1_F4,20653	R.SQIADLIGASPK.E	1808.074	0.00423	3	1	35.6	0
P12163_1_F3,23746	K.SNGQMLAINEIFEK.N	2202.205	0.00655	3	1	35.3	0
P12163_1_F8,10887	R.ALPTESDEHPK.I	1832.001	0.00358	3	1	41	0
P12163_1_F8,10891	R.ALPTESDEHPK.I	1832.001	0.00495	2	1	28	0
P12163_2_F1,16960	R.SPCIQHK.T	1566.95	0.00885	3	1	31.3	0
P12163_1_F2,15645	K.ADLLDAR.K	1077.621	0.00126	2	1	26.2	0
P12163_1_F3,23331	K.LVLLGDVVGAGK.S	1650.041	0.0082	3	1	38.6	0
P12163_1_F3,23374	K.LVLLGDVVGAGK.S	1650.041	0.00403	2	1	50.3	0
P12163_1_F3,23875	K.TATNVNDIFYEIAK.R	2207.217	0.00531	3	1	47.7	0
P12163_1_F3,26157	K.FDDIVLLTEGK.L	1858.078	0.00965	3	1	36.5	0
P12163_1_F3,26159	K.FDDIVLLTEGK.L	1858.078	0.00448	2	1	39.2	0
P12163_1_S1,24413	R.IDSLAESFLQR.S	1582.874	0.00109	3	1	30.3	0
P12163_2_F1,23497	R.LLAIMGPSGSGK.T	1739.035	0.00428	3	1	34.2	0
P12163_2_F6,9875	K.QLDAEVHR.K	1271.701	0.00303	3	1	22.5	0
P12163_1_F4,22600	R.ALLDVGLVK.T	1535.998	0.00504	3	1	30.9	0
P12163_1_F3,19934	R.GIEADNLEELYK.K	2002.095	0.00176	2	1	75.1	0
P12163_1_F3,19952	R.GIEADNLEELYK.K	2002.095	0.00547	3	1	32.8	0
P12163_1_F4,21767	K.ILVDIK.S	1379.908	0.00993	2	1	24.9	0
P12163_2_F6,19768	K.LLDIVHPAAK.I	1685.057	-0.00126	3	1	29.7	0
P12163_2_F6,19855	K.LLDIVHPAAK.I	1685.057	0.0032	2	1	52.6	0
P12163_1_F5,20360	R.LNMIGIK.K	1396.881	0.0092	2	1	24.1	0
P12163_2_F1,11606	K.LASCGCDNTVK.V	1832.945	0.00968	2	1	31.1	0
P12163_1_F4,14202	R.LATASSDSSIK.I	1687.969	0.00381	2	1	48.8	0
P12163_1_F4,22359	R.SVAWAPNLGLPK.S	1861.116	0.00577	3	1	35.8	0
P12163_1_F4,22377	R.SVAWAPNLGLPK.S	1861.116	0.00263	2	1	31.1	0
P12163_1_S1,17311	K.VVGTQAPVQLGSLR.A	1729.027	0.00311	2	1	31.7	0
P12163_1_S1,17317	K.VVGTQAPVQLGSLR.A	1729.027	0.00387	3	1	47.2	0
P12163_1_F3,24659	R.FFYASSACIYPEFK.Q	2338.204	0.00517	3	1	34	0
P12163_1_F8,20778	R.ISVTGAGGFIASHIAR.F	1861.06	0.00169	3	1	97.5	0
P12163_1_F8,20945	K.QFVIDVLHPGR.A	1584.916	0.00257	3	1	41.9	0
P12163_2_F6,20545	K.QFVIDVLHPGR.A	1584.916	0.00131	3	1	50.1	0
P12163_1_F2,21363	K.STGFGLIYDSVDSAK.k	2168.17	0.00626	3	1	38.5	0
P12163_1_F7,19607	R.KQFVIDVLHPGR.A	2017.217	0.00674	4	1	42.3	0
P12163_1_F4,10543	K.SSPAVTEPK.S	1523.889	0.00487	2	1	43.8	0
P12163_2_F1,9710	K.SSPAVTEPK.S	1523.889	0.00669	2	1	35	0
P12163_1_S1,18596	R.LNISGLEQANQIPR.V	1857.05	0.0032	3	1	62.2	0
P12163_2_F2,11076	R.VSYAGAGQK.M	1488.863	0.01113	3	1	25.4	0
P12163_1_F3,26562	K.IVLAIVEDETEEK.S	2096.195	0.00758	3	1	55	0
P12163_1_F3,19682	K.QEIDAFPTLK.I	1770.026	0.01144	3	1	41.3	0
P12163_1_F3,19698	K.QEIDAFPTLK.I	1770.026	0.00862	2	1	41.6	0
P12163_1_S1,19974	R.LAPQLDEAAPILAK.L	2058.242	0.00471	3	1	46.3	0
P12163_1_F4,16935	K.DKQVVDEVSTGV.-	1884.053	-0.00113	2	1	41.4	0
P12163_2_F1,17576	K.VIVNLK.G	1293.871	0.00409	3	1	22.4	0
P12163_1_F3,25859	R.NIFIILVPNK.A	1779.135	-0.00103	3	1	22.6	0
P12163_1_F3,25874	R.NIFIILVPNK.A	1779.135	0.00882	2	1	43.5	0
P12163_1_F3,23657	K.IFLENVIR.D	1307.799	0.00128	2	1	24	0
P12163_1_F3,22224	K.TVTAMDVVYALK.R	1919.113	0.00422	3	1	23.3	0
P12163_2_F6,9587	R.DAVTYTEHAR.R	1466.754	0.00372	3	1	29.2	0
P12163_2_F7,9136	R.DAVTYTEHAR.R	1466.754	0.00228	3	1	31.6	0
P12163_2_F6,13234	K.AQLEEDPIVHR.H	1610.88	0.00182	3	1	37.5	0
P12163_1_F9,7558	K.AVADAHSK.R	1406.821	0.00641	2	1	41.5	0

P12163_1_F9,7574	K.AVADAHSK.R	1406.821	0.00582	3	1	31.9	0
P12163_1_F3,25861	R.LAALLMESR.E	1307.766	-0.00223	2	1	25.8	0
P12163_2_F1,15335	K.SIAEQADELK.I	1711.969	-0.00826	2	1	51.2	0
P12163_1_F3,14813	R.DITFQNTAGPSK.H	1887.043	0.0061	2	1	58.4	0
P12163_1_F3,14826	R.DITFQNTAGPSK.H	1887.043	0.00849	3	1	54.7	0
P12163_1_F3,20650	R.IGATSDLLAVK.G	1696.046	-0.00108	2	1	48.2	0
P12163_1_F8,18871	K.HAVELEQSFMEGAYN	2185.065	0.00517	3	1	24.3	0
P12163_2_F6,18392	K.HAVELEQSFMEGAYN	2185.065	0.00087	3	1	48.6	0
P12163_1_F2,13657	K.LTEVSQQFDR.F	1526.812	0.00146	3	1	39.5	0
P12163_1_F8,19697	R.DIYEHAVLLSVK.V	1995.173	0.001	3	1	27.3	0
P12163_1_F5,13511	K.GLCGGINSTAVK.I	1785.015	0.00734	2	1	30.5	0
P12163_1_F9,16441	K.KNVIVTISSDK.G	2116.31	0.00774	3	1	33	0
P12163_1_F2,18524	K.LGELDSYEIEGGETK.C	2248.18	0.00833	3	1	28.4	0
P12163_1_S1,19031	K.LGELDSYEIEGGETK.C	2248.18	0.00503	3	1	34.3	0
P12163_1_S10,1629	K.FLSHIR.E	1076.652	0.00508	3	1	30.1	0
P12163_1_S10,1648	K.FLSHIR.E	1076.652	0.00364	3	1	24.3	0
P12163_1_F7,16396	R.AGMTAPQAAGVIHSD	2438.296	0.00575	3	1	59.6	0
P12163_2_F2,13619	R.TYFTSGEK.E	1540.847	0.0035	2	1	25.4	0
P12163_1_F3,22451	K.AEDVVSTMLAK.G	1772.008	0.00912	2	1	24.1	0
P12163_1_F3,15754	K.ISNVSLGATEQDIK.E	2083.185	0.00874	3	1	47.9	0
P12163_1_F3,18201	K.ISNVSLGATEQDIK.E	2083.185	0.00712	3	1	59.8	0
P12163_1_F3,22535	K.SAFSAAEQTVSNAGSA	2478.312	0.00123	3	1	68.1	0
P12163_1_F8,16240	K.HVELPVPTPSK.D	1812.084	0.0033	3	1	25.3	0
P12163_1_F3,23172	K.LEATALNPVDWK.I	1965.126	0.00126	3	1	40.4	0
P12163_1_F3,23192	K.LEATALNPVDWK.I	1965.126	0.00317	2	1	44.1	0
P12163_1_F8,21574	R.KFPCIPATDVAGEVVG	3171.785	0.00283	3	1	36.7	0
P12163_2_F1,16057	K.LNSFDTAPK.K	1600.915	0.00381	2	1	27.7	0
P12163_1_F9,17192	K.VHNLIFGR.T	1259.753	0.0026	3	1	34.9	0
P12163_1_S10,1734	K.VHNLIFGR.T	1259.753	0.00467	3	1	22	0
P12163_1_S1,16950	R.YEVDGYVYDAAEQPK	2355.196	0.01018	3	1	41	0
P12163_1_F4,24833	K.EGM*DCNLLFWK.G	2037.039	0.00817	3	1	33.3	0
P12163_1_F4,24865	K.EGMDCNLLFWK.G	2021.044	0.00877	3	1	34.6	0
P12163_1_S1,17493	K.VGSNIEVDGAPWR.V	1703.902	0.002	2	1	31.3	0
P12163_1_F4,13447	R.LNETDVGDK.K	1598.885	0.00797	2	1	37.8	0
P12163_1_F7,17701	K.AVYGTLFEAHR.S	1696.896	-0.00099	3	1	29.8	0
P12163_1_F8,18605	K.AVYGTLFEAHR.S	1696.896	0.00246	3	1	38.9	0
P12163_1_S1,21780	K.IINDCLDGLIR.N	1605.894	0.00417	2	1	27.2	0
P12163_1_S1,20724	R.LYPQPPLLIR.R	1513.941	0.00428	3	1	26.6	0
P12163_1_F3,10533	K.LDEAGSLR.E	1164.653	0.00194	3	1	27.2	0
P12163_1_S1,20339	R.AVVNEIESISR.L	1520.859	0.00649	2	1	40.5	0
P12163_1_S1,21795	R.LAEVLCECPGEYYR.F	2062.988	0.00063	2	1	24.4	0
P12163_1_S1,21807	R.LAEVLCECPGEYYR.F	2062.988	0.00105	3	1	42.2	0
P12163_2_F9,7350	K.EMAAPHNR.K	1229.636	0.00163	3	1	27.1	0
P12163_1_F2,11576	M.TLGSGGSSVVVPR.N	1519.875	-0.00072	3	1	53.3	0
P12163_1_S1,11131	M.TLGSGGSSVVVPR.N	1519.875	0.00138	3	1	73.7	0
P12163_1_F3,26030	R.EYTMEDILTQLK.K	2092.146	0.00745	3	1	27.4	0
P12163_1_F4,27097	K.ILALLGSGDK.Q	1594.999	0.00686	3	1	26.2	0
P12163_2_F1,26116	K.ILALLGSGDK.Q	1594.999	0.00233	3	1	32.4	0
P12163_2_F6,19560	K.VFEHAGDLVNIK.V	1950.127	0.00405	3	1	22.5	0
P12163_1_F3,24439	R.IVLNEIETLK.R	1780.104	0.00595	3	1	22.5	0
P12163_2_F6,11317	K.IVQEHGAVEK.A	1718.006	0.00526	2	1	24.8	0

P12163_2_F7,10739	K.IVQEHGAVEK.A	1718.006	0.00522	3	1	24.2	0
P12163_1_F3,15090	K.TVEDANAVIEK.L	1797.021	0.00798	2	1	53.3	0
P12163_2_F1,16047	K.VYVGNLAK.T	1471.909	0.00483	3	1	28.7	0
P12163_1_F2,19755	R.EALGALPLYQR.T	1534.889	0.00559	2	1	27.8	0
P12163_1_S1,18685	R.EALGALPLYQR.T	1534.889	0.00595	3	1	41.4	0
P12163_1_F2,10405	R.EIVDAR.A ! R.EIVDAR	1006.583	0.00473	2	1	26.9	0
P12163_2_F9,18738	R.NYLQDM*LALVK.R	1932.108	0.01359	3	1	23.4	0
P12163_1_F8,19770	K.LHVIPVLASR.S	1408.894	0.00208	3	1	32.2	0
P12163_2_F6,19204	K.LHVIPVLASR.S	1408.894	0.00127	3	1	30.7	0
P12163_2_F7,8458	K.NGGPVDIHR.V ! K.NG	1268.701	0.00326	3	1	41.2	0
P12163_2_F1,7373	R.DSDTGGQVK.Y	1514.827	0.00213	2	1	26.7	0
P12163_1_F2,22923	R.DIPIEVLELDNK.N	2006.163	0.00691	3	1	26.5	0
P12163_2_F1,25379	R.FIVLAGLK.G	1468.971	0.00236	3	1	28.3	0
P12163_1_S10,5063	R.TAQHAGR.V	1044.585	0.00459	3	1	24.6	0
P12163_2_F8_12070	R.TAQHAGR.V	1044.585	0.00066	3	1	43.7	0
P12163_2_S5,5902	K.HESCGQCTPCR.E	1695.73	0.00044	3	1	27.8	0
P12163_1_S1,15401	K.STDVVDIAR.L	1350.753	0.0058	2	1	34.5	0
P12163_1_F7,14983	K.VSDGRPSYLVVNADE!	2988.519	0.0058	3	1	49.2	0
P12163_1_F7,14997	K.VSDGRPSYLVVNADE!	2988.519	0.00796	4	1	25.5	0
P12163_2_S5,13685	K.SVCTSVNECMCHGIPE	2413.067	0.00111	3	1	28	0
P12163_1_F4,13917	K.VTEECLEK.G	1615.882	0.00715	2	1	45.9	0
P12163_2_F1,12914	K.VTEECLEK.G	1615.882	0.00557	2	1	36.1	0
P12163_2_F9,11475	R.FVGHGVGK.V	1408.852	0.00283	3	1	45.8	0
P12163_1_S1,21200	K.LVPVALEGSAPFR.S	1562.921	0.00518	3	1	50.4	0
P12163_1_F4,21352	K.VYDLAYYK.A	1642.93	0.01202	2	1	35.4	0
P12163_2_F1,20774	K.VYDLAYYK.A	1642.93	0.00708	2	1	24.1	0
P12163_2_F1,18451	R.ELCFIER.E	1270.677	0.00212	2	1	26.8	0
P12163_1_F9,16143	K.RDELTLEGIK.Q	1782.058	0.00668	3	1	41.2	0
P12163_2_F9,15208	K.RDELTLEGIK.Q	1782.058	0.00797	3	1	40.4	0
P12163_1_F4,19120	R.DELTLEGIK.Q	1625.957	0.0048	2	1	45.9	0
P12163_2_S5,11848	R.ELYIHR.I	1134.657	0.00602	3	1	24.6	0
P12163_1_F5,11484	K.SVGIDPK.Q	1323.809	0.00534	2	1	29.3	0
P12163_1_S10,1649	K.VAHVQEFDYGDHPVP	2495.262	0.00261	4	1	33.9	0
P12163_2_S5,15812	K.VAHVQEFDYGDHPVP	2495.262	0.00297	4	1	22.8	0
P12163_1_F8,15398	R.ETVPEVNPDVKVSD!	2883.571	0.00706	4	1	30.6	0
P12163_1_F6,17777	K.AVVIHIPYR.L	1371.841	0.00355	3	1	27.2	0
P12163_2_S5,16125	K.AVVIHIPYR.L	1371.841	0.0052	3	1	26.8	0
P12163_1_S1,15037	K.DVILIATR.R	1204.757	0.00439	3	1	26.2	0
P12163_1_F2,15432	K.LDTFAAVYR.K	1359.757	0.00991	3	1	26.5	0
P12163_1_F8,17789	K.NIAKPIIAEQIPK.Y	2347.484	0.02045	3	1	23.9	0
P12163_1_F4,12851	K.SFEESQTVQK.A	1790.974	0.0076	2	1	37.8	0
P12163_2_F1,11899	K.SFEESQTVQK.A	1790.974	0.00018	2	1	32.4	0
P12163_2_S5,13632	K.YHLIDSK.N	1483.873	0.00237	3	1	24.6	0
P12163_1_S1,23221	K.EGLSFLETSALEATNV	2546.381	0.01307	3	1	26.9	0
P12163_1_F3,20987	K.IVLIGDSGVGK.S ! K.L	1666.036	0.00077	2	1	38	0
P12163_1_F3,25149	R.GAVGALLVYDITK.R	1928.168	0.00212	3	1	46.7	0
P12163_1_F3,25181	R.GAVGALLVYDITK.R	1928.168	0.00304	2	1	53.5	0
P12163_1_F2,12689	K.IVCTLGPASR.S	1377.783	0.00296	3	1	22.4	0
P12163_1_F2,14970	K.IVCTLGPASR.S	1377.783	0.0005	3	1	49.3	0
P12163_2_F6,10540	K.KGDSVVALHR.V	1690.022	0.00545	4	1	29.3	0
P12163_1_F3,20358	R.GDLGMEIPIEK.I	1810.024	0.01006	2	1	42.1	0

P12163_2_F2,11431	K.EQQAFEK.T	1487.831	0.00239	2	1	30.9	0
P12163_2_F9,13436	R.CQHENVFLK.C	1912.021	0.00398	3	1	36.8	0
P12163_2_F2,21324	R.CVLGLLK.D	1410.896	0.00655	3	1	26.6	0
P12163_2_F2,21344	R.CVLGLLK.D	1410.896	0.00367	2	1	29.4	0
P12163_2_F8_12070	K.GYVQNFLQK.E	1704.989	0.00252	3	1	22.1	0
P12163_1_F7,16255	K.NFFEEHLHTDEEIR.Y	2120.035	0.00029	4	1	34.6	0
P12163_1_F3,20005	R.FTLDTDNYIK.A	1838.016	0.002	2	1	54.3	0
P12163_1_F3,20006	R.FTLDTDNYIK.A	1838.016	0.00594	3	1	27.9	0
P12163_2_F2,16961	R.AQLLAQAK.V	1450.92	-0.00197	2	1	26.9	0
P12163_1_F4,16281	R.QLGESQFQQMK.A	1932.047	0.0108	3	1	29.1	0
P12163_2_F8_12070	R.TDAEIATIIGHEVAHAN	2278.246	0.00156	4	1	35.1	0
P12163_2_F8_12070	R.TDAEIATIIGHEVAHAN	2278.246	0.00226	3	1	35.8	0
P12163_1_F4,20605	K.SANIPIAVIEK.G	1763.089	0.00609	3	1	31.9	0
P12163_2_F1,20040	K.SANIPIAVIEK.G	1763.089	0.00349	2	1	46.2	0
P12163_1_F4,25038	R.LM*NVITESVK.L	1758.029	0.00668	3	1	43.4	0
P12163_2_F2,19033	R.QFLENLK.L	1499.904	0.00796	3	1	25.5	0
P12163_1_S1,19225	K.ELPFDNVIQR.D	1534.853	0.00295	3	1	40.3	0
P12163_1_F2,14062	K.ILVSQPDR.I	1231.731	0.00733	2	1	27.4	0
P12163_1_F8,18594	K.VLAPVFPDGRPR.E	1627.959	0.00562	3	1	30.9	0
P12163_2_F6,18089	K.VLAPVFPDGRPR.E	1627.959	0.00727	3	1	32.6	0
P12163_1_F3,20247	K.ENVQIIVLGTGK.K	1879.147	0.00592	3	1	28.3	0
P12163_1_F3,25567	R.ALATYGTQALAEMMK	2207.202	-0.00055	3	1	35.6	0
P12163_1_S1,23258	R.FSLLCQAALAPR.I	1779.973	0.00067	2	1	26.6	0
P12163_1_S1,23351	R.FSLLCQAALAPR.I	1779.973	0.0026	3	1	52.3	0
P12163_1_F7,16503	K.DDVASPGGTTIAGIHEI	2518.361	0.00646	3	1	61.6	0
P12163_1_S10,8988	K.HPGQLK.D	1287.799	0.00555	3	1	22.4	0
P12163_1_F4,18138	R.DAFESIGVK.V	1573.905	0.00855	3	1	29.3	0
P12163_2_F1,17430	R.DAFESIGVK.V	1573.905	0.00552	3	1	31.8	0
P12163_1_F4,18674	K.DFLNECLSSK.D	1820.967	0.00412	2	1	53.5	0
P12163_2_F1,17950	K.DFLNECLSSK.D	1820.967	0.00214	2	1	29.8	0
P12163_1_F9,9617	K.DLSSNQLHR.S	1373.744	0.00291	3	1	31.2	0
P12163_2_F1,23864	K.LAGLILK.N	1335.918	0.00669	2	1	25.7	0
P12163_1_F7,14095	K.EHVIKPVIEK.Y	2201.378	0.0062	4	1	23.8	0
P12163_2_F7,14553	K.TIFHLNPSGR.F	1445.817	0.00234	3	1	28	0
P12163_1_F7,17230	R.SIGFVSDDVGLDADHC	2443.238	0.00697	3	1	68.9	0
P12163_2_S5,16669	R.SIGFVSDDVGLDADHC	2443.238	0.00745	3	1	55.6	0
P12163_1_F8,13779	K.NIPAHENEVNQPIIGR.S	2105.14	0.0077	3	1	26.2	0
P12163_2_S5,12721	K.NIPAHENEVNQPIIGR.S	2105.14	0.0023	3	1	35.3	0
P12163_1_F8,19821	K.QLVEGAQLLVHTK.F	2044.237	0.00343	3	1	53.3	0
P12163_2_F4,14914	R.FVASEESYAHPEYK.R	2265.165	0.00175	3	1	27.2	0
P12163_1_F2,13867	K.AVGFECDVR.R	1253.679	-0.00185	2	1	27.2	0
P12163_1_S1,20762	K.QVLDAAVSALR.S	1446.858	0.00323	2	1	30.8	0
P12163_1_S1,20795	K.QVLDAAVSALR.S	1446.858	0.00364	3	1	74.1	0
P12163_2_F6,19628	K.VVESTFEHFGK.L	1888.042	0.00626	3	1	26.9	0
P12163_1_F2,13868	K.AAAIVSAAGSGGAR.	1519.849	0.00393	3	1	40.1	0
P12163_1_F2,15474	K.AAAIVSAAGSGGAR.	1519.849	0.00488	2	1	33.4	0
P12163_1_F3,21356	K.AVLLALR.A	1059.719	0.00323	2	1	26.6	0
P12163_1_F4,9461	R.AQYHLR.Q	1091.626	0.00463	3	1	24.9	0
P12163_1_F4,23535	K.TLSFISEVEEK.D	1890.068	0.00593	2	1	31	0
P12163_1_F8,16538	R.FTNDLDIDEHK.G	1955.033	0.00775	3	1	36	0
P12163_1_F8,16586	R.FTNDLDIDEHK.G	1955.033	0.00636	2	1	30.6	0

P12163_1_S1,20886	R.TFILIAETSNCR.I	1728.926	0.0046	2	1	25.5	0
P12163_2_F6,18638	R.ENNWLTEHVDFQR.V	1991.988	0.01217	2	1	51.2	0
P12163_1_F8,20697	R.VAGAIPIHPGFLR.Q	1651.995	0.00096	3	1	27.4	0
P12163_1_F6,20630	R.VFLIGDSSGGNVVHEV	2231.209	0.00326	3	1	87.6	0
P12163_2_F10,1818	R.VFLIGDSSGGNVVHEV	2231.209	0.00239	3	1	47.5	0
P12163_1_S1,22412	-.SIFDFEAIR.K	1401.768	0.0016	3	1	37.6	0
P12163_1_F8,14835	K.EDFGGGHPDPNLTYAI	2326.192	0.00889	3	1	31.6	0
P12163_2_S5,14017	K.EDFGGGHPDPNLTYAI	2326.192	0.00514	3	1	26.7	0
P12163_2_F1,14714	R.NMILGK.G ! R.NMILG	1283.797	0.00506	3	1	24.2	0
P12163_1_F4,15920	K.LQEEEEAAEAEK.S	1926.028	0.00892	3	1	49.9	0
P12163_1_F2,18566	K.TTEEINEEVVDLK.G	2127.164	0.00358	3	1	46.7	0
P12163_2_F1,13527	R.ELEEGINK.R	1539.884	0.0046	2	1	32.2	0
P12163_2_S5,16670	K.DPLYLGLQEHR.L	1644.901	0.00387	3	1	24.5	0
P12163_1_F3,12281	R.DGPTDPNALAK.W	1706.953	0.00563	2	1	26.8	0
P12163_1_F2,15930	R.MLGNNESAFDSAR.S	1715.832	0.00446	2	1	28.2	0
P12163_1_F2,22144	K.ILDTPSLLAEGSK.G	1952.152	0.00214	3	1	49	0
P12163_1_F3,21707	K.LLMIGDSGVGK.S	1698.008	-0.0094	3	1	33.9	0
P12163_1_F3,25092	R.VNVQOCFEELVLK.I	2214.241	0.00659	3	1	51.2	0
P12163_1_F4,18855	K.DFLDAVNK.V	1529.878	0.0048	2	1	49.4	0
P12163_2_F1,15834	K.GVLCYGPPTGK.T	1814.009	0.0131	2	1	36	0
P12163_2_F1,17446	R.VIGSELVQK.Y	1580.983	0.00403	2	1	27.1	0
P12163_1_F7,17775	K.GTVVLVVFQAEEGGG	2461.366	0.00459	3	1	27.7	0
P12163_1_F7,18866	K.IHQNPGLGYQEFETSQ	2606.352	0.00444	3	1	48	0
P12163_1_F9,10821	R.IIQEHR.T ! K.IIQEHR.L	1099.652	0.00465	3	1	27.5	0
P12163_1_F2,15154	K.NIEVAVM*TR.E	1352.751	0.00631	3	1	25.6	0
P12163_2_F1,22268	R.ALLEVVESGGK.N	1710.026	0.00558	2	1	46.2	0
P12163_1_F3,15662	R.GTDTIVLGVEK.K	1740.036	0.00555	3	1	30.7	0
P12163_1_S1,22312	K.AIGELIPYEVNIEK.K	2293.326	0.00598	3	1	38.3	0
P12163_1_F4,12264	K.ATTVAPVK.D	1394.883	0.00892	2	1	30.6	0
P12163_2_F2,18331	K.LFLANQEK.F	1570.941	0.00343	2	1	29.8	0
P12163_1_F2,21437	K.VDFGDITALEK.I	1816.031	0.00593	3	1	39.1	0
P12163_2_F6,18836	R.GFGPLLPGLHK.V	1744.073	0.00121	3	1	25.1	0
P12163_1_F4,22592	R.GLFNAVEFDK.T	1747.984	0.00975	2	1	50.6	0
P12163_1_F9,6924	K.HEEGAIEER.A	1373.696	0.00624	3	1	40.1	0
P12163_1_F3,27620	R.ILVFIVEDGK.L	1741.072	0.00413	3	1	29.5	0
P12163_1_F3,25066	R.LEELQVLDIK.F	1808.099	0.00394	3	1	36.4	0
P12163_1_S1,23483	K.IYEVGDVVLLDEK.K	2100.205	0.00606	3	1	40	0
P12163_1_F9,9277	R.MQLHAER.S	1188.646	0.00306	3	1	22.5	0
P12163_1_S1,9543	R.QTDESTAVVGNPR.T	1677.871	0.00102	2	1	24	0
P12163_1_F3,10881	K.GEFEEAER.E	1270.622	0.00638	2	1	27.7	0
P12163_1_F2,22967	K.INELLPADGLTVK.H	1991.2	0.00746	3	1	37	0
P12163_1_F2,7031	K.TGEDVGVSR.R	1223.653	0.0038	3	1	22.8	0
P12163_1_F5,19365	K.GLEIFCK.S	1474.855	0.00752	2	1	23.9	0
P12163_2_F4,17400	K.LYEEGYHCILEGEPDD	2399.113	0.00507	3	1	33.8	0
P12163_2_F6,20055	K.VSSPLLILHGAEDK.V	2087.232	-0.00148	3	1	26.6	0
P12163_1_F3,12562	K.SSELVEDEAETK.Q	1945.022	0.00837	3	1	37.7	0
P12163_1_F4,9816	R.EYSEEESEGNGK.S	1965.95	0.00003	2	1	29	0
P12163_2_F7,16656	R.WFSPLECGSHTR.D	1780.874	0.00701	3	1	39.1	0
P12163_1_F3,8423	K.QVAAQEAER.A	1305.706	0.00537	2	1	34.2	0
P12163_1_F4,17751	K.VPGGGAASALIK.V	1649.021	0.00691	3	1	25.4	0
P12163_2_F6,14761	R.EIAQTIAHSANK.V	1891.086	-0.00801	3	1	27	0

P12163_1_F6,18092	K.GLLTLNPYHSDR.F	1689.923	0.00455	3	1	36.4	0
P12163_1_F7,22508	R.M*LLTVDENLKPLSVP	2548.499	0.01165	4	1	24.4	0
P12163_1_F3,13352	R.VQDPDPGLQK.V	1704.974	-0.0004	2	1	28.3	0
P12163_1_F2,11760	K.DAFGSCVQQGANR.V	1713.828	0.00305	3	1	47.3	0
P12163_1_F7,12471	K.HCLSHAVGDADECVV	2632.197	-0.0013	3	1	39.4	0
P12163_1_F6,21155	K.TGYLIVEPAHMELAEP	2706.5	-0.0013	3	1	28.4	0
P12163_2_F9,11007	K.EGITHALR.S	1200.7	-0.00063	3	1	22.9	0
P12163_1_F9,14353	K.RGEILQLER.K	1417.843	0.00391	3	1	38.8	0
P12163_1_F9,7903	R.HTAVIEDR.R	1244.69	0.00288	3	1	37.4	0
P12163_2_F1,19800	K.ANNLTVGLDGLK.T	1823.085	0.00335	3	1	40.5	0
P12163_1_F7,20735	K.DIVIGSGPQGPFDHLLF	2125.171	0.00099	3	1	51.9	0
P12163_1_S1,24093	K.VLLQSLSEFPVR.A	1692	0.00263	3	1	35.4	0
P12163_1_F3,21666	K.FVENDISMIPK.I	1901.066	0.0147	2	1	43.1	0
P12163_1_S1,24706	R.LVGPLDTHIQISK.I	2005.252	0.00727	3	1	44.5	0
P12163_1_F4,19460	R.VDFWPNQEQL.L	1899.022	0.00158	2	1	29	0
P12163_2_F6,21845	K.HM*LDVPELIEM*K.R	2095.139	0.01062	3	1	22.6	0
P12163_2_F4,9124	K.SAIHGQQGLK.A	1646.98	0.00245	3	1	30.5	0
P12163_1_S1,15442	R.SEQDLLSGIGR.E	1478.812	-0.00003	3	1	32.9	0
P12163_2_F2,12558	K.FANTPPK.D ! R.FANTP	1382.825	0.01025	2	1	28.9	0
P12163_1_S10,9771	K.HAFSK.G	1197.72	0.00613	3	1	25.8	0
P12163_2_F10,1916	R.LDVDYIDLYYQHR.V !	2017.033	0.00299	3	1	28.7	0
P12163_1_F7,22069	K.AYSSLLEDNPLDPVLH	2519.397	0.0049	3	1	64.4	0
P12163_2_F2,16948	K.GLWAEAEK.A	1511.868	-0.00441	2	1	32	0
P12163_1_F4,25387	R.LEGILLEAK.G	1594.004	0.00756	3	1	29.1	0
P12163_2_F6,15229	K.TSGIPVAELCEHR.F	1772.927	0.0054	3	1	37.9	0
P12163_2_S5,20746	R.MEIYVVALSQHR.G	1749.962	0.00299	3	1	36	0
P12163_1_S1,12410	R.NVGSCVADVETAR.V	1681.848	0.00279	3	1	47.9	0
P12163_1_F9,11359	R.HIQGLPCR.G	1284.715	0.00202	3	1	31.5	0
P12163_1_F4,20198	R.QILVDLK.M	1436.93	0.00394	3	1	24.3	0
P12163_1_F4,15472	R.VGGVEIPNNK.R	1634.969	0.01036	3	1	23.3	0
P12163_1_F4,17601	R.IVMAAAAK.H	1382.865	0.00884	3	1	30.5	0
P12163_2_F4,10806	R.IVNSNHFAR.L	1361.759	0.00139	3	1	41.3	0
P12163_1_S1,24171	R.VVEGAVAETSALLDQI	2238.28	0.00817	3	1	27	0
P12163_1_F3,24686	K.LGLVYQINIAPK.K	1937.204	0.00984	3	1	23.3	0
P12163_2_S5,8319	K.QHLSTDAGK.A	1564.89	0.00431	3	1	30	0
P12163_1_F4,18737	K.SDALLEQMK.Q	1642.929	0.01134	2	1	49.1	0
P12163_1_F2,12446	K.EVDELAR.K	1135.626	0.00276	2	1	26.2	0
P12163_2_F6,19502	K.IIAHGINCFVNR.Q	1717.947	0.00309	3	1	33.3	0
P12163_1_F3,25985	K.LIEEIMIGEDK.L	1898.076	0.0017	3	1	37	0
P12163_1_F6,12065	K.DYDFGHK.F	1489.79	0.01332	3	1	23.8	0
P12163_1_F3,17036	K.SLVTVSAEYDSK.A	1907.058	0.00638	2	1	37.9	0
P12163_1_F4,13450	K.VDTYSSVSTK.V	1694.942	0.01047	2	1	30.4	0
P12163_1_F7,20486	K.DTPIASVEELHNLGG	2658.456	0.00637	4	1	26.7	0
P12163_1_F7,14455	K.GTEAVQLPAEQTEHIG	2416.329	0.0074	3	1	31.1	0
P12163_2_F2,19681	R.AFESMLK.E	1433.828	0.005	2	1	28.8	0
P12163_2_S5,15350	K.HDFVFYSDR.L	1489.738	-0.0004	3	1	29	0
P12163_1_F7,20822	K.TTVCDMIIQQLHDQR.'	2162.1	0.00653	3	1	25.6	0
P12163_2_F10,1715	R.LVVEHGLGHLPFTEK.(	2284.327	0.00692	3	1	33.2	0
P12163_1_S1,14384	R.IISVSDEER.K	1351.737	0.01005	2	1	29.3	0
P12163_1_F5,20308	R.LLSLAQK.S	1380.903	0.00892	2	1	24.3	0
P12163_1_F7,23131	R.SVPIEDFVMHGLVDR.I	2018.068	0.00333	3	1	49.8	0

P12163_1_F4,13467	K.GDDVVQYK.F	1531.858	0.00643	2	1	39.3	0
P12163_1_F3,20768	K.SSQUALTSNAFQDVIFK.	2364.302	0.0019	3	1	36.1	0
P12163_2_F6,19268	R.AASLPILLCHGK.G	1888.13	0.00351	3	1	35.7	0
P12163_1_F2,9549	K.DLEGAEER.D	1222.622	0.00324	2	1	25.5	0
P12163_1_F3,22467	K.DMGFFDITK.E	1681.908	0.00116	3	1	24.4	0
P12163_1_F7,18409	K.VACGSEHVVALVSAG	2585.385	0.00851	3	1	45.3	0
P12163_2_F8_12070	K.ELNVDEGHPDVHR.L	1820.919	0.01584	3	1	48.9	0
P12163_2_F9,20117	K.LHLFELEEEMK.I	2026.114	0.00481	3	1	28.9	0
P12163_2_F1,17552	K.LSSAGLVYK.H	1545.946	0.00303	2	1	35.2	0
P12163_1_F4,15400	K.LIGATDPQK.S	1550.936	0.00512	2	1	26.5	0
P12163_1_S1,21223	R.GLISEIISR.F	1291.789	0.00444	2	1	36.4	0
P12163_2_F6,16198	R.TFIAIKPDGVQR.G	1953.174	0.00075	2	1	36.1	0
P12163_2_F8_12070	K.GIVAQLHAEKPPQEVIT	3200.841	0.00999	4	1	26.7	0
P12163_1_F3,16704	K.QTEPVIDYYSK.K	1951.063	0.00651	2	1	24.5	0
P12163_1_F3,20214	R.LILVGPPGSGK.G	1646.046	0.00451	2	1	28.2	0
P12163_1_F3,28278	K.VLTAIALYEMASK.E	2018.182	0.00705	3	1	36.9	0
P12163_2_F1,18007	R.CAVESTLFLK.Q	1662.934	0.00561	3	1	23	0
P12163_1_F9,10703	R.DHGELIK.V	1419.842	0.00802	3	1	31	0
P12163_2_F1,22121	K.AMVEELK.N ! K.AMV	1540.923	0.00716	2	1	25.5	0
P12163_2_F1,14310	K.NFTLEEQAK.V	1687.947	0.00742	2	1	39.2	0
P12163_2_F1,9396	R.SNNELDASK.L	1585.864	0.00701	2	1	25	0
P12163_2_F9,11322	K.GHFLNPEQR.D	1401.754	0.00031	3	1	31.8	0
P12163_1_F7,16433	R.ENLSGEGEEFIYHSK.G	2347.203	0.00906	3	1	53.3	0
P12163_2_F1,14133	R.GATLVGVDK.F	1467.899	0.00262	3	1	22.3	0
P12163_1_F2,13555	K.GIAVVAAR.A	1060.678	0.00231	2	1	33.6	0
P12163_1_F2,8992	R.AAPVNTLNPQR.T	1484.849	-0.00105	3	1	24.6	0
P12163_1_F3,23952	R.TAMIVADFK.T	1703.002	0.00245	3	1	23	0
P12163_1_F4,18056	K.DVSSMFDEK.W	1665.861	0.00529	2	1	34	0
P12163_2_F7,12819	K.HIVGLAGPPGAGK.S	1782.085	0.00841	3	1	50.2	0
P12163_1_F3,20932	R.LLPTSALASNVNVK.H	2035.237	0.00416	3	1	57.7	0
P12163_1_F7,18560	K.LILAAHVQPITR.T	1636.021	-0.00171	3	1	36.5	0
P12163_1_F9,7307	K.NLGGGAEAHAR.F	1356.729	0.002	3	1	49.2	0
P12163_1_F3,22428	R.NPALLYGLAPEVLK.E	1993.194	0.00529	3	1	36.6	0
P12163_2_S5,12104	K.KPTEPQPQPQQAQP	3375.812	0.00417	4	1	26.1	0
P12163_1_F3,23077	K.TWPGLVGLTAEAEK.	2209.232	0.00802	3	1	52.6	0
P12163_2_F1,19225	R.TYQQLGPNAAAIK.T	2025.195	0.01172	3	1	34.7	0
P12163_2_F6,19412	K.NSYLVATLHSIR.K	1677.959	0.00304	3	1	38.5	0
P12163_2_F1,4811	K.SPGSEGNEQR.T	1364.671	0.00122	2	1	31.9	0
P12163_1_F3,18664	R.NLGFEPDPEGIK.G	1924.064	0.0047	2	1	48.4	0
P12163_1_S1,8750	K.AAEDTEGVGVAR.L	1478.775	0.00323	3	1	38.8	0
P12163_1_F8,16927	K.MELDTHNIDTLK.Y	2038.11	0.0006	3	1	25.8	0
P12163_2_F6,14885	R.LEVDPHLK.Q	1558.941	0.00161	3	1	35.7	0
P12163_1_F3,25155	K.LMLTPEYLELK.F	1958.149	0.00756	3	1	33.7	0
P12163_2_F10,1930	R.GGALLETITHPGFHLK.	2299.338	0.00023	4	1	23.5	0
P12163_1_F3,13857	R.NFEQMEEER.T	1515.705	0.00694	2	1	40.3	0
P12163_1_S1,15229	K.IGNSPVVCNSNLSAVR	1991.065	0.0022	3	1	46.9	0
P12163_1_S1,14850	R.GGSELLVEAGDQR.R	1634.865	0.0043	2	1	51.4	0
P12163_2_F6,17404	R.VIHLPPQIQGK.V	1838.147	0.00503	3	1	23.2	0
P12163_1_S1,10841	K.ITEESADCEPR.I	1610.763	0.00768	2	1	28.6	0
P12163_1_F5,20598	R.IATYFYK.G ! R.IATYF'	1513.887	0.01195	2	1	25.4	0
P12163_1_F3,22877	R.M*LADPSFLFK.I ! R.M	1793.013	0.00916	3	1	23.4	0

P12163_1_F4,21425	K.SEILASLK.N	1468.919	0.00457	3	1	24.7	0
P12163_2_F1,6429	R.EETGGNSAQK.V	1628.87	0.00412	2	1	36.1	0
P12163_1_F2,22801	R.VQASTLTFPEIIAK.L	2126.268	0.00343	3	1	48	0
P12163_2_F6,18880	K.SIRDESNLILLPR.Q	1830.075	0.00629	2	1	41.2	0
P12163_1_S1,18868	R.DESNLILLPR.Q	1473.858	0.00336	2	1	24.1	0
P12163_1_F3,24365	R.VFCEQWYGPF.R.N	1792.878	0.00056	2	1	24.5	0
P12163_1_S1,22872	K.AISLFGDVVR.L	1380.815	0.00149	2	1	42.4	0
P12163_2_F7,14454	K.HPEVAQFLGGR.L	1514.838	0.00296	3	1	37.6	0
P12163_1_F4,20827	R.GIETNLYAQFK.C	1892.074	0.00777	3	1	47.5	0
P12163_1_F3,12344	K.GAVLQEAR.V	1147.674	0.0034	2	1	24.8	0
P12163_1_F3,25728	K.IEATEVFFAVTK.L	1963.136	0.00582	3	1	39	0
P12163_1_F3,27629	R.SIATLAITLLK.T	1853.193	0.00425	3	1	37.2	0
P12163_1_S1,15471	K.LADDPNIGLQR.Y	1515.843	0.00186	3	1	24	0
P12163_2_F1,18296	K.SGNEQFLTEISK.W	1961.08	-0.00097	2	1	52.6	0
P12163_1_S1,13123	K.VGESDEPAIYR.I	1539.796	0.00571	2	1	41.9	0
P12163_1_S1,16550	K.DSTGDELVDVVK.V	1885.037	0.00162	3	1	29.2	0
P12163_1_S1,15869	R.NGGVVVAFSDAR.V	1495.817	0.00446	2	1	39.3	0
P12163_1_F3,10845	R.NLDVAGR.I	1048.605	0.00368	2	1	24.2	0
P12163_1_F8,19637	K.IDFIHAVER.S	1403.795	0.00355	3	1	24.2	0
P12163_1_S1,16385	R.ISTGALDDIR.R	1364.769	0.0011	2	1	29.4	0
P12163_1_S1,15678	R.SDVLDPALR.R	1289.737	0.00241	2	1	32.8	0
P12163_1_S1,15068	R.AVPGNPPLGISR.G	1595.917	0.00119	3	1	46.7	0
P12163_1_F3,19561	R.VDSGVVIDLK.N	1653.004	0.00318	2	1	42.9	0
P12163_1_F3,25030	R.WAMEGEFWELDQSTP	2562.279	0.00716	3	1	30	0
P12163_2_F6,20429	K.NLLISAQFLHK.E	1892.158	0.00231	3	1	33.8	0
P12163_1_F2,11201	K.VSDEGGIPR.S	1290.696	0.00806	2	1	25.2	0
P12163_1_F4,18777	R.DFTQMIK.A	1490.85	0.0146	2	1	25.9	0
P12163_1_F7,14833	K.DLGNSSNNTTVFLPHC	2523.301	0.00649	4	1	25.3	0
P12163_1_F3,18448	R.ANADDAFYELQNP.K.E	2204.144	0.00783	3	1	30.2	0
P12163_1_F4,24165	R.MTLDELFEQK.G	1862.019	0.00798	3	1	27.6	0
P12163_1_F3,26378	K.CFAAIEEIVTSGFDNK	2538.301	0.00762	3	1	57.7	0
P12163_1_F3,22767	K.NVTALTVLNIDPK.V	2006.211	0.00919	3	1	26.5	0
P12163_2_F1,12277	K.QVLTASADK.S	1540.915	0.0111	3	1	28.3	0
P12163_1_F3,23878	R.DALVDLFGK.V	1585.941	0.00362	2	1	25.3	0
P12163_1_F3,21866	R.FYPGIPDALK.F	1729.014	0.0042	3	1	22.9	0
P12163_1_S1,23520	R.IQLLQLSDFSR.K	1623.937	0.00033	3	1	38.5	0
P12163_1_F2,17852	K.EQSVFPEIR.Y	1408.774	0.0021	2	1	28.6	0
P12163_1_F3,16475	K.IVVNCGIGDAAQNAK.	2138.185	-0.00086	3	1	78.9	0
P12163_1_F8,15639	R.EEFSYTNIHQVPK.I	2200.186	0.00683	3	1	29.2	0
P12163_2_F1,12930	K.GVEQLPEK.K	1507.894	0.00099	2	1	24.7	0
P12163_1_F8,14444	R.AIVPALHQK.Y	1585.005	0.0003	3	1	25.9	0
P12163_1_F3,20718	R.LTLDVIGK.A	1466.94	0.00487	2	1	39.8	0
P12163_1_F2,17086	K.CEYELVMER.M	1532.739	0.00549	2	1	28.4	0
P12163_1_F3,19975	K.GAPIPLIPK.T	1513.993	0.00242	3	1	44.6	0
P12163_2_F6,17954	R.DQCAHLLIPLNK.C	2030.168	0.00366	2	1	47.9	0
P12163_1_F6,18040	R.DIIYTQQAEPVQGEGPI	2973.614	0.00058	3	1	48	0
P12163_1_F4,10458	R.IDAEDSSSSK.L	1646.869	0.01213	2	1	48.6	0
P12163_1_F4,19213	R.VWVADVDTGK.A	1697.968	0.0062	2	1	29.2	0
P12163_2_F8_12070	K.AIASLLSDDDHFTDAT	2652.373	0.0033	4	1	41.9	0
P12163_2_F7,6886	R.ENAHGESVCCNNVR.A	1949.886	0.00269	3	1	38	0
P12163_1_F4,26400	R.LCVYYALLK.A	1751.039	0.00311	3	1	43.4	0

P12163_1_F3,20842	K.IQGIHPCTSLEK.K	2024.167	0.00271	2	1	26.9	0
P12163_1_F8,14929	R.APHDDAELIIR.D	1553.859	0.00099	3	1	38.9	0
P12163_2_S5,17865	R.SHPDIPTLPYAPLR.C	1881.054	0.00388	3	1	51.1	0
P12163_1_F4,19238	K.LVSEFDK.S	1445.846	0.00513	2	1	24.7	0
P12163_1_S1,17736	R.FAVSLPDGPSR.G	1449.8	0.00308	3	1	40.7	0
P12163_1_F9,7716	R.VPAHGK.L	1216.762	0.00499	3	1	29.4	0
P12163_1_F4,17840	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00685	2	1	36.2	0
P12163_1_F4,17849	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00546	3	1	29.5	0
P12163_1_F4,18755	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00627	3	1	29.5	0
P12163_1_F4,18793	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00573	2	1	36.3	0
P12163_1_F5,16593	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00381	2	1	33	0
P12163_1_F6,17094	K.LSGGVAVIK.V ! K.LSC	1451.941	0.0066	3	1	25.3	0
P12163_1_F7,15767	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00323	2	1	24.7	0
P12163_1_F7,15810	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00276	3	1	32.1	0
P12163_1_F7,16269	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00321	3	1	25.8	0
P12163_1_F8,17074	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00288	3	1	34.2	0
P12163_1_F9,16894	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00606	3	1	33.7	0
P12163_2_F1,16989	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00463	2	1	27.1	0
P12163_2_F1,17994	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00413	2	1	33.8	0
P12163_2_F2,356	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00372	3	1	27.9	0
P12163_2_F2,835	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00492	3	1	35.2	0
P12163_2_F2,864	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00453	2	1	37.9	0
P12163_2_F2,1030	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00414	3	1	33.4	0
P12163_2_F2,1058	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00323	2	1	37.1	0
P12163_2_F2,1221	K.LSGGVAVIK.V ! K.LSC	1451.941	0.0039	3	1	31.6	0
P12163_2_F2,1252	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00427	2	1	39.5	0
P12163_2_F2,1417	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00498	3	1	29.2	0
P12163_2_F2,1500	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00493	2	1	24.3	0
P12163_2_F2,1603	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00693	3	1	29.1	0
P12163_2_F2,1801	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00441	3	1	28.2	0
P12163_2_F2,1909	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00331	2	1	29.3	0
P12163_2_F2,1994	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00531	3	1	32.3	0
P12163_2_F2,2097	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00349	2	1	38.1	0
P12163_2_F2,2189	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00324	3	1	24.9	0
P12163_2_F4,15464	K.LSGGVAVIK.V ! K.LSC	1451.941	-0.00073	2	1	24.6	0
P12163_2_F4,15934	K.LSGGVAVIK.V ! K.LSC	1451.941	0.0063	3	1	24.1	0
P12163_2_F9,15243	K.LSGGVAVIK.V ! K.LSC	1451.941	0.00042	3	1	22.6	0
P12163_2_S5,15426	K.LSGGVAVIK.V ! K.LSC	1451.941	0.0042	3	1	27.3	0
P12163_1_F6,19646	R.GLLNVAVVK.C	1520.998	0.01057	3	1	26.5	0
P12163_2_F4,18422	R.GLLNVAVVK.C	1520.998	0.0082	3	1	31.8	0
P12163_2_F4,18435	R.GLLNVAVVK.C	1520.998	0.01051	2	1	24.3	0
P12163_1_F3,20810	K.GYVLTCIAYPK.S	1893.076	0.00196	2	1	49.2	0
P12163_1_F3,20839	K.GYVLTCIAYPK.S	1893.076	0.00054	3	1	38.8	0
P12163_1_F4,21382	K.GYVLTCIAYPK.S	1893.076	0.00938	2	1	33.1	0
P12163_1_F6,19620	K.GYVLTCIAYPK.S	1893.076	-0.00328	3	1	24.9	0
P12163_1_F6,19872	K.GYVLTCIAYPK.S	1893.076	-0.00333	3	1	25	0
P12163_1_F6,19928	K.GYVLTCIAYPK.S	1893.076	-0.00284	2	1	54.1	0
P12163_2_F1,20928	K.GYVLTCIAYPK.S	1893.076	0.00408	2	1	56.6	0
P12163_2_F4,18379	K.GYVLTCIAYPK.S	1893.076	0.00075	3	1	25.3	0
P12163_2_F4,18725	K.GYVLTCIAYPK.S	1893.076	-0.00249	3	1	24.3	0
P12163_2_F7,18050	K.GYVLTCIAYPK.S	1893.076	-0.01224	2	1	59.1	0

P12163_2_F7,18093	K.GYVLTCIAYPK.S	1893.076	0.00567	3	1	37.6	0
P12163_2_F9,18366	K.GYVLTCIAYPK.S	1893.076	0.00786	3	1	33.7	0
P12163_2_F9,18571	K.GYVLTCIAYPK.S	1893.076	0.00678	3	1	39.1	0
P12163_1_F4,12348	K.SDCVIYTHK.E	1730.936	0.007	2	1	28.2	0
P12163_1_F6,10058	K.SDCVIYTHK.E	1730.936	0.00553	3	1	27.4	0
P12163_1_F6,11050	K.SDCVIYTHK.E	1730.936	0.00434	2	1	25.4	0
P12163_1_F6,11771	K.SDCVIYTHK.E	1730.936	0.0067	2	1	39.6	0
P12163_1_F7,11177	K.SDCVIYTHK.E	1730.936	0.00694	3	1	27.6	0
P12163_2_F4,10265	K.SDCVIYTHK.E	1730.936	0.00037	3	1	34.3	0
P12163_2_F4,10835	K.SDCVIYTHK.E	1730.936	0.00487	3	1	22.6	0
P12163_2_F6,9756	K.SDCVIYTHK.E	1730.936	0.00391	3	1	37.7	0
P12163_2_F6,9794	K.SDCVIYTHK.E	1730.936	0.00713	4	1	24.1	0
P12163_2_F6,11235	K.SDCVIYTHK.E	1730.936	0.00382	3	1	34.6	0
P12163_2_F6,11458	K.SDCVIYTHK.E	1730.936	0.00492	2	1	53	0
P12163_2_F7,9256	K.SDCVIYTHK.E	1730.936	0.00229	3	1	32	0
P12163_2_F7,10867	K.SDCVIYTHK.E	1730.936	0.00514	3	1	44.7	0
P12163_2_F7,10880	K.SDCVIYTHK.E	1730.936	0.0054	2	1	47.9	0
P12163_2_S3,10677	K.SDCVIYTHK.E	1730.936	0.00697	3	1	33.5	0
P12163_1_F9,8368	R.EATHPDALR.A	1313.711	0.00342	3	1	50.7	0
P12163_2_F6,6902	R.EATHPDALR.A	1313.711	0.0029	4	1	22	0
P12163_2_F6,8368	R.EATHPDALR.A	1313.711	0.00245	2	1	27.1	0
P12163_1_F7,7901	R.NIAVGHPR.E	1167.69	0.00217	3	1	38.3	0
P12163_1_F9,8655	R.NIAVGHPR.E	1167.69	0.00334	3	1	27.6	0
P12163_1_F9,8759	R.NIAVGHPR.E	1167.69	0.00287	2	1	24	0
P12163_1_F9,8904	R.NIAVGHPR.E	1167.69	0.00364	3	1	32.4	0
P12163_1_F9,11296	R.NIAVGHPR.E	1167.69	0.00397	3	1	37.8	0
P12163_1_F9,12059	R.NIAVGHPR.E	1167.69	0.0043	3	1	38.8	0
P12163_1_F9,12337	R.NIAVGHPR.E	1167.69	0.00316	3	1	39.2	0
P12163_1_F9,12635	R.NIAVGHPR.E	1167.69	0.00085	3	1	38.5	0
P12163_1_F9,12946	R.NIAVGHPR.E	1167.69	-0.00305	3	1	37	0
P12163_1_F9,13257	R.NIAVGHPR.E	1167.69	0.00127	3	1	39.1	0
P12163_2_F10,8689	R.NIAVGHPR.E	1167.69	0.0079	3	1	32.5	0
P12163_2_F8_12070	R.NIAVGHPR.E	1167.69	0.00082	3	1	31.5	0
P12163_2_F9,8451	R.NIAVGHPR.E	1167.69	0.00316	3	1	30.3	0
P12163_2_F9,8659	R.NIAVGHPR.E	1167.69	0.00247	3	1	34.3	0
P12163_1_F8,16721	K.LDQLPGDM*AIGHVR.	1841.985	-0.00066	3	1	30.6	0
P12163_1_F8,19345	K.LDQLPGDM*AIGHVR.	1841.985	0.00237	3	1	34.8	0
P12163_1_F8,19367	K.LDQLPGDM*AIGHVR.	1841.985	0.00191	2	1	24.3	0
P12163_2_F6,16221	K.LDQLPGDM*AIGHVR.	1841.985	0.003	3	1	38.1	0
P12163_2_S5,15553	K.LDQLPGDM*AIGHVR.	1841.985	0.0021	3	1	44.7	0
P12163_1_F8,19327	K.LDQLPGDMAIGHVR.Y	1825.99	0.00114	3	1	50.7	0
P12163_2_F6,18852	K.LDQLPGDMAIGHVR.Y	1825.99	-0.00293	2	1	38	0
P12163_2_S5,17823	K.LDQLPGDMAIGHVR.Y	1825.99	0.0024	3	1	49.1	0
P12163_1_F4,14959	R.YSTAGSSMLK.N	1652.914	0.0027	2	1	28.5	0
P12163_1_F4,14993	R.YSTAGSSMLK.N	1652.914	0.00498	3	1	47.2	0
P12163_2_F1,13888	R.YSTAGSSMLK.N	1652.914	0.00736	2	1	24.5	0
P12163_2_F2,14436	R.YSTAGSSMLK.N	1652.914	0.00826	2	1	35.4	0
P12163_2_F8_12070	R.YSTAGSSMLK.N	1652.914	0.0041	2	1	32.3	0
P12163_1_F7,18326	K.DFEEPGSLAPTGLHLG	2534.371	0.00425	4	1	45	0
P12163_2_S5,16442	K.DFEEPGSLAPTGLHLG	2534.371	0.00157	4	1	39.7	0
P12163_2_S5,17511	K.DFEEPGSLAPTGLHLG	2534.371	0.00617	4	1	41.6	0

P12163_2_S5,17513	K.DFEPPGSLAPTGLHLG	2534.371	0.00393	3	1	57.9	0
P12163_1_S1,16549	K.YM*VIQGEPEGAVIR.G	1752.962	0.00349	2	1	24.2	0
P12163_2_F6,19020	K.YM*VIQGEPEGAVIR.G	1752.962	0.00059	2	1	35.5	0
P12163_1_F8,19535	K.YMVIQGEPEGAVIR.G	1736.967	0.00249	2	1	39.5	0
P12163_1_S1,18334	K.YMVIQGEPEGAVIR.G	1736.967	0.014	2	1	34.3	0
P12163_1_S1,18372	K.YMVIQGEPEGAVIR.G	1736.967	0.00249	3	1	34.2	0
P12163_1_S1,18581	K.YMVIQGEPEGAVIR.G	1736.967	0.00072	2	1	35	0
P12163_1_S1,18615	K.YMVIQGEPEGAVIR.G	1736.967	0.00141	3	1	25.3	0
P12163_2_F6,18988	K.YMVIQGEPEGAVIR.G	1736.967	0.00242	2	1	37	0
P12163_1_F4,14706	R.AAENVYIQK.M	1643.958	0.00348	2	1	46.7	0
P12163_1_F4,14708	R.AAENVYIQK.M	1643.958	0.00271	3	1	34.7	0
P12163_1_F5,13407	R.AAENVYIQK.M	1643.958	0.00492	2	1	46.5	0
P12163_1_F7,12989	R.AAENVYIQK.M	1643.958	0.00679	3	1	28.8	0
P12163_1_F9,13977	R.AAENVYIQK.M	1643.958	0.00214	2	1	50.8	0
P12163_2_F1,13724	R.AAENVYIQK.M	1643.958	0.00228	2	1	47.2	0
P12163_2_F1,13750	R.AAENVYIQK.M	1643.958	0.00541	3	1	32.3	0
P12163_2_F8_12070	R.AAENVYIQK.M	1643.958	0.00732	2	1	46.9	0
P12163_2_F9,13143	R.AAENVYIQK.M	1643.958	0.00634	2	1	37.2	0
P12163_1_F3,8678	R.VLSEEER.A	1165.637	-0.02292	3	1	23.8	0
P12163_1_F3,8702	R.VLSEEER.A	1165.637	0.00543	3	1	31.1	0
P12163_1_F3,12062	R.VLSEEER.A	1165.637	0.00426	2	1	23.9	0
P12163_1_F3,21625	K.IVTEILPAK.R ! K.IVTE	1592.024	0.00544	2	1	32	0
P12163_1_F3,21639	K.IVTEILPAK.R ! K.IVTE	1592.024	0.0033	3	1	38.8	0
P12163_1_F3,21850	K.IVTEILPAK.R ! K.IVTE	1592.024	0.0056	2	1	38.2	0
P12163_1_F3,21881	K.IVTEILPAK.R ! K.IVTE	1592.024	0.00393	3	1	38.9	0
P12163_1_F5,21296	K.IVTEILPAK.R ! K.IVTE	1592.024	0.00645	2	1	26	0
P12163_1_F5,21310	K.IVTEILPAK.R ! K.IVTE	1592.024	-0.00024	3	1	25	0
P12163_1_F6,20695	K.IVTEILPAK.R ! K.IVTE	1592.024	0.00367	2	1	32.6	0
P12163_1_F6,20736	K.IVTEILPAK.R ! K.IVTE	1592.024	0.00153	3	1	30.8	0
P12163_2_F4,19880	K.IVTEILPAK.R ! K.IVTE	1592.024	0.00513	3	1	29.3	0
P12163_2_F7,6739	R.HDPTTLNR.Q	1257.685	0.00114	3	1	31	0
P12163_1_F9,12608	K.ETPEAHVFK.V ! K.ETF	1665.942	0.00626	3	1	28.9	0
P12163_1_F9,12736	K.ETPEAHVFK.V ! K.ETF	1665.942	0.00388	2	1	31	0
P12163_2_F10,11550	K.ETPEAHVFK.V ! K.ETF	1665.942	0.00257	3	1	32.4	0
P12163_2_F6,12210	K.ETPEAHVFK.V ! K.ETF	1665.942	0.00614	3	1	32.6	0
P12163_2_F7,11639	K.ETPEAHVFK.V ! K.ETF	1665.942	0.00062	2	1	28.2	0
P12163_2_F8_12070	K.ETPEAHVFK.V ! K.ETF	1665.942	0.00332	3	1	30.6	0
P12163_2_F9,11708	K.ETPEAHVFK.V ! K.ETF	1665.942	0.00665	3	1	23.8	0
P12163_1_F2,20367	R.ASIEDGVLTVTVPK.E	2037.205	0.0045	2	1	32	0
P12163_1_F2,20407	R.ASIEDGVLTVTVPK.E	2037.205	0.00575	3	1	24.5	0
P12163_1_F4,16877	R.EEGPPALLK.G	1561.941	0.01159	2	1	25.9	0
P12163_1_F4,16959	R.EEGPPALLK.G	1561.941	0.00171	3	1	24.8	0
P12163_2_F1,16138	R.EEGPPALLK.G	1561.941	0.00575	2	1	29	0
P12163_1_F8,14296	R.LQTGQYASAPDAVR.L	1780.949	0.00359	2	1	52.4	0
P12163_1_S1,11561	R.LQTGQYASAPDAVR.L	1780.949	0.00175	3	1	48.2	0
P12163_1_S1,13481	R.LQTGQYASAPDAVR.L	1780.949	-0.00087	2	1	50.2	0
P12163_1_S1,13600	R.LQTGQYASAPDAVR.L	1780.949	0.00187	3	1	31.7	0
P12163_2_F6,13823	R.LQTGQYASAPDAVR.L	1780.949	0.00265	2	1	60.6	0
P12163_1_F9,14301	R.HDVVFPVR.F	1272.737	0.00468	3	1	26.9	0
P12163_2_F7,12830	R.HDVVFPVR.F	1272.737	0.003	3	1	48.9	0
P12163_1_F7,16876	R.TVAYTNHTVLPEALEK	2394.349	0.00513	3	1	47	0

P12163_2_F10,1565	R.TVAYTNHTVLPEALEK	2394.349	0.00483	3	1	26.9	0
P12163_2_F10,1567	R.TVAYTNHTVLPEALEK	2394.349	0.00723	4	1	27.5	0
P12163_2_F10,1584	R.TVAYTNHTVLPEALEK	2394.349	0.00738	3	1	32.7	0
P12163_2_S5,16154	R.TVAYTNHTVLPEALEK	2394.349	0.00431	4	1	26.4	0
P12163_2_S5,16169	R.TVAYTNHTVLPEALEK	2394.349	0.00285	3	1	32.5	0
P12163_1_F5,17540	K.SVIAALK.S	1309.866	0.00872	3	1	31.4	0
P12163_2_F1,18052	K.SVIAALK.S	1309.866	0.00473	3	1	25.2	0
P12163_2_F2,18270	K.SVIAALK.S	1309.866	0.00539	3	1	29.9	0
P12163_2_F2,18284	K.SVIAALK.S	1309.866	0.00606	2	1	35.6	0
P12163_1_F4,18952	R.YNVEDEFVAVK.S	1821.984	0.00569	2	1	56.3	0
P12163_2_F1,18214	R.YNVEDEFVAVK.S	1821.984	0.00381	3	1	45.4	0
P12163_2_F1,18248	R.YNVEDEFVAVK.S	1821.984	0.00647	2	1	50.9	0
P12163_2_F9,16770	R.YNVEDEFVAVK.S	1821.984	0.00511	2	1	24.6	0
P12163_2_F4,8789	K.HLHAIGAK.M	1454.905	0.00321	3	1	24.4	0
P12163_2_S5,9196	K.HLHAIGAK.M	1454.905	0.00506	4	1	23.7	0
P12163_2_S5,9208	K.HLHAIGAK.M	1454.905	0.00372	3	1	25.6	0
P12163_1_S1,18620	K.QLNYVECFPDGYR.K	1964.948	0.00276	2	1	36.4	0
P12163_1_S1,18698	K.QLNYVECFPDGYR.K	1964.948	0.00284	3	1	39.4	0
P12163_2_F6,18810	K.QLNYVECFPDGYR.K	1964.948	0.00664	2	1	37.8	0
P12163_2_F7,17181	K.QLNYVECFPDGYR.K	1964.948	0.00036	2	1	37.2	0
P12163_1_F8,16603	K.EGDTVLLPNYGGDHV	2322.255	0.00229	2	1	39.2	0
P12163_1_F8,16628	K.EGDTVLLPNYGGDHV	2322.255	0.00875	3	1	33.5	0
P12163_2_F10,1499	K.EGDTVLLPNYGGDHV	2322.255	0.00356	3	1	50.7	0
P12163_2_F10,1500	K.EGDTVLLPNYGGDHV	2322.255	0.00496	4	1	34.2	0
P12163_2_S5,15388	K.EGDTVLLPNYGGDHV	2322.255	0.00323	3	1	39.4	0
P12163_1_F4,18386	K.TNAGILLPEK.S	1664.02	0.00956	3	1	26.4	0
P12163_1_F4,18409	K.TNAGILLPEK.S	1664.02	0.00991	2	1	51.4	0
P12163_1_F2,24851	K.QLVPLLLIPK.R	1742.176	0.0025	3	1	33.3	0
P12163_1_F3,26402	K.QLVPLLLIPK.R	1742.176	0.00848	3	1	37.8	0
P12163_1_F3,26411	K.QLVPLLLIPK.R	1742.176	0.00526	2	1	39	0
P12163_1_F5,24770	K.QLVPLLLIPK.R	1742.176	0.00722	3	1	21.9	0
P12163_1_F3,16417	K.SLGADEVLDYK.T	1818.01	0.00438	2	1	26.5	0
P12163_1_F3,18493	K.SLGADEVLDYK.T	1818.01	0.0055	2	1	72.2	0
P12163_1_F3,18546	K.SLGADEVLDYK.T	1818.01	0.00359	3	1	46.4	0
P12163_1_F8,18882	K.IPTAHYEFGANYIDPK.	2444.307	0.00687	3	1	29.7	0
P12163_2_F10,1676	K.IPTAHYEFGANYIDPK.	2444.307	0.00356	4	1	23.7	0
P12163_2_F10,1677	K.IPTAHYEFGANYIDPK.	2444.307	0.00465	3	1	32.6	0
P12163_1_F6,19610	K.VDYM*NLPCPIPYEEIF	2466.21	0.0035	3	1	42.2	0
P12163_1_F6,21412	K.VDYM*NLPCPIPYEEIF	2466.21	0.00677	3	1	44.6	0
P12163_1_F6,21414	K.VDYM*NLPCPIPYEEIF	2466.21	0.00038	3	1	37.3	0
P12163_1_F6,21413	K.VDYMNLPCPIPYEEIHI	2450.215	0.00338	3	1	27.6	0
P12163_1_S1,15901	K.FAVAAAPVAGGGDAP	2291.297	0.00675	3	1	44.7	0
P12163_1_S1,15969	K.FAVAAAPVAGGGDAP	2291.297	0.00502	4	1	50.2	0
P12163_1_F4,14916	K.VGSSEAALLAK.L	1653.999	0.01006	3	1	26.5	0
P12163_1_F4,17892	K.VGSSEAALLAK.L	1653.999	0.00421	3	1	22.9	0
P12163_2_F1,17096	K.VGSSEAALLAK.L	1653.999	-0.00041	3	1	33.9	0
P12163_2_F2,1129	K.VGSSEAALLAK.L	1653.999	0.00928	3	1	33	0
P12163_2_F2,1533	K.VGSSEAALLAK.L	1653.999	0.01435	3	1	30.4	0
P12163_1_F4,20502	K.LVPVGYGIK.K	1553.988	0.00408	3	1	28.5	0
P12163_2_F1,19960	K.LVPVGYGIK.K	1553.988	0.00411	3	1	26.2	0
P12163_1_F4,14652	R.SYITGYQASK.D	1725.963	0.00941	2	1	48.2	0

P12163_1_F4,14664	R.SYITGYQASK.D	1725.963	0.00653	3	1	30	0
P12163_1_F5,13417	R.SYITGYQASK.D	1725.963	0.00685	2	1	32.6	0
P12163_2_F1,13622	R.SYITGYQASK.D	1725.963	0.00371	2	1	44.5	0
P12163_2_F1,13659	R.SYITGYQASK.D	1725.963	0.00479	3	1	32.8	0
P12163_1_F2,13946	R.GDLAIVTGR.N	1205.716	0.00279	3	1	48.8	0
P12163_1_F2,15818	R.GDLAIVTGR.N	1205.716	0.00387	2	1	33.6	0
P12163_1_S1,15272	R.GDLAIVTGR.N	1205.716	0.00317	2	1	32.1	0
P12163_1_F6,11902	R.NIHGSDSVESAQK.E	2093.145	0.00809	3	1	63.3	0
P12163_1_F6,11941	R.NIHGSDSVESAQK.E	2093.145	0.0064	2	1	41.5	0
P12163_2_F4,10975	R.NIHGSDSVESAQK.E	2093.145	0.00461	3	1	45.4	0
P12163_1_F3,14120	R.TVEAAGITEEEIK.A	1998.121	0.00481	3	1	28.7	0
P12163_1_F3,14190	R.TVEAAGITEEEIK.A	1998.121	0.00399	2	1	29.9	0
P12163_1_F3,16988	R.TVEAAGITEEEIK.A	1998.121	0.01789	3	1	53.6	0
P12163_1_F3,17005	R.TVEAAGITEEEIK.A	1998.121	0.00475	2	1	70.3	0
P12163_1_F8,17412	R.TVEAAGITEEEIKAEDS	2832.56	0.0106	4	1	42.3	0
P12163_2_F6,16964	R.TVEAAGITEEEIKAEDS	2832.56	0.01015	3	1	32.3	0
P12163_1_F4,19435	K.EALSYALSAK.E	1660.973	0.00242	2	1	33.8	0
P12163_1_F9,18098	K.EALSYALSAK.E	1660.973	0.00249	3	1	24.8	0
P12163_2_F9,17193	K.EALSYALSAK.E	1660.973	0.00687	3	1	28.5	0
P12163_1_F3,19395	R.TLSDFGVPEYK.I	1977.115	0.00706	3	1	22.2	0
P12163_1_F3,22341	R.TLSDFGVPEYK.I	1977.115	0.00239	2	1	36.8	0
P12163_1_F3,22354	R.TLSDFGVPEYK.I	1977.115	0.00643	3	1	27.8	0
P12163_1_F3,4545	K.NSTTPATDR.I	1266.659	0.00304	3	1	34.9	0
P12163_1_F3,5722	K.NSTTPATDR.I	1266.659	0.00253	2	1	28	0
P12163_2_F1,4197	K.NSTTPATDR.I	1266.659	0.00295	3	1	29.8	0
P12163_2_F1,5362	K.NSTTPATDR.I	1266.659	0.00271	2	1	27.3	0
P12163_1_F5,10994	R.NPSLSHYVR.F	1376.759	0.00784	3	1	32.1	0
P12163_2_F4,10961	R.NPSLSHYVR.F	1376.759	0.00253	3	1	32.5	0
P12163_1_F9,16362	K.RVEEVYYDMK.I	1940.041	0.01195	3	1	34.3	0
P12163_2_F9,16143	K.RVEEVYYDMK.I	1940.041	0.00502	3	1	29.8	0
P12163_1_F8,19777	R.YVVNQVLAGNYDCPR	2072.054	0.00469	2	1	35.5	0
P12163_1_S1,19050	R.YVVNQVLAGNYDCPR	2072.054	0.00731	2	1	42.8	0
P12163_1_S1,19093	R.YVVNQVLAGNYDCPR	2072.054	0.00219	3	1	60.7	0
P12163_2_F6,19316	R.YVVNQVLAGNYDCPR	2072.054	0.00775	2	1	38.2	0
P12163_2_F7,14861	K.RYEDIPVLGQR.Q	1649.928	0.00128	3	1	43.2	0
P12163_1_F2,17464	R.SQGGLLEGLYR.V	1496.837	-0.00151	3	1	38.4	0
P12163_1_F3,17812	R.SQGGLLEGLYR.V	1496.837	0.00134	3	1	39.8	0
P12163_1_F3,20224	R.SQGGLLEGLYR.V	1496.837	0.00376	2	1	25.2	0
P12163_1_F3,20306	R.SQGGLLEGLYR.V	1496.837	0.00371	3	1	33	0
P12163_2_F1,19808	R.SQGGLLEGLYR.V	1496.837	0.00126	2	1	28.1	0
P12163_1_F5,15193	K.SIQTLYGK.E	1517.915	0.00546	3	1	24.9	0
P12163_1_F6,15871	K.SIQTLYGK.E	1517.915	0.00531	3	1	26.8	0
P12163_1_F9,15536	K.SIQTLYGK.E	1517.915	0.00715	2	1	30	0
P12163_2_F1,15513	K.SIQTLYGK.E	1517.915	0.00973	2	1	30.4	0
P12163_2_F2,15983	K.SIQTLYGK.E	1517.915	0.00708	3	1	33.4	0
P12163_2_F1,13238	R.SLEEIER.A	1179.652	0.00058	2	1	27.2	0
P12163_1_F7,17926	K.AFVEHYTTTFDANR.T	2037.997	0.00319	3	1	28	0
P12163_1_F8,18705	K.AFVEHYTTTFDANR.T	2037.997	-0.00021	2	1	45.5	0
P12163_1_F8,18708	K.AFVEHYTTTFDANR.T	2037.997	0.00337	3	1	40.2	0
P12163_2_F6,18270	K.AFVEHYTTTFDANR.T	2037.997	0.00424	3	1	29.7	0
P12163_1_F4,14483	K.IQGSQNIVAK.L	1666.011	0.01452	3	1	24.1	0

P12163_2_F1,13526	K.IQGSQNIVAK.L	1666.011	0.00438	3	1	26.5	0
P12163_1_F2,11517	K.SSFAGALTTPR.V	1411.785	-0.00321	3	1	29	0
P12163_1_F2,13876	K.SSFAGALTTPR.V	1411.785	0.00132	3	1	35.6	0
P12163_1_F2,15062	K.SSFAGALTTPR.V	1411.785	0.00162	3	1	32.1	0
P12163_1_F3,17084	R.AVAEDTYNIVK.G	1831.042	0.00541	3	1	44	0
P12163_1_F3,17184	R.AVAEDTYNIVK.G	1831.042	0.00527	2	1	64.2	0
P12163_1_F4,17651	R.AVAEDTYNIVK.G	1831.042	0.00427	2	1	65.2	0
P12163_1_S1,22559	K.EVVGDLFNQLR.L	1593.89	0.00235	3	1	40.6	0
P12163_1_S1,22594	K.EVVGDLFNQLR.L	1593.89	0.00394	2	1	32.3	0
P12163_1_F4,23202	R.LVELINQK.E	1564.988	0.00838	2	1	36.4	0
P12163_1_F4,23211	R.LVELINQK.E	1564.988	0.00582	3	1	27.3	0
P12163_2_F1,22649	R.LVELINQK.E	1564.988	0.00646	2	1	37.1	0
P12163_2_F1,22653	R.LVELINQK.E	1564.988	0.00526	3	1	29.9	0
P12163_1_F2,6464	K.DNPETDECR.T	1439.637	0.00362	2	1	33.3	0
P12163_1_S1,7122	K.DNPETDECR.T	1439.637	0.00293	3	1	42.1	0
P12163_1_F3,13835	K.DSDPLEAYCK.D	1805.92	0.00561	3	1	22.8	0
P12163_1_F3,15873	K.DSDPLEAYCK.D	1805.92	0.00711	2	1	30.1	0
P12163_1_F9,15490	K.DSDPLEAYCK.D	1805.92	0.00639	3	1	22.5	0
P12163_2_F2,15302	K.DSDPLEAYCK.D	1805.92	-0.00593	2	1	28.2	0
P12163_1_F8,12132	R.ELDVAHPAAK.S	1658.969	0.00636	3	1	24.9	0
P12163_1_F8,12155	R.ELDVAHPAAK.S	1658.969	0.00575	2	1	36.3	0
P12163_2_F6,11851	R.ELDVAHPAAK.S	1658.969	0.00345	3	1	30.5	0
P12163_1_F3,21493	R.IDDIVSGIK.K	1567.952	0.013	2	1	31.2	0
P12163_1_F4,22380	R.IDDIVSGIK.K	1567.952	0.00752	2	1	37.9	0
P12163_1_F4,22406	R.IDDIVSGIK.K	1567.952	0.00675	3	1	22	0
P12163_1_F4,21415	K.ALEIAQEINQK.G	1865.095	0.00202	2	1	47.1	0
P12163_1_F4,21417	K.ALEIAQEINQK.G	1865.095	0.00404	3	1	40.7	0
P12163_2_F1,20929	K.ALEIAQEINQK.G	1865.095	0.00014	3	1	29.8	0
P12163_1_F4,24621	R.LEGLAAFAEK.R	1656.978	0.01254	2	1	32.2	0
P12163_1_F4,24714	R.LEGLAAFAEK.R	1656.978	0.00827	3	1	38.2	0
P12163_2_F1,23958	R.LEGLAAFAEK.R	1656.978	0.00653	3	1	29.6	0
P12163_1_S1,23046	R.DLCDPYLNLFR.N	1729.888	0.00496	3	1	43.1	0
P12163_1_S1,23270	R.DLCDPYLNLFR.N	1729.888	0.0208	3	1	41.3	0
P12163_1_F8,21706	R.ERPSGSLNTPLVVAA	2589.518	0.0022	4	1	23.2	0
P12163_1_F8,21742	R.ERPSGSLNTPLVVAA	2589.518	0.00461	3	1	48.1	0
P12163_2_F6,21364	R.ERPSGSLNTPLVVAA	2589.518	0.00572	3	1	25.8	0
P12163_1_F7,11321	K.APELHM*EIHK.H ! K.A	1829.02	0.01066	4	1	22.6	0
P12163_1_F7,13987	K.APELHM*EIHK.H ! K.A	1829.02	0.00794	4	1	24.5	0
P12163_1_F7,13984	K.APELHMEIHK.H ! K.AI	1813.025	0.00802	4	1	32.1	0
P12163_1_F7,14262	K.APELHMEIHK.H ! K.AI	1813.025	0.00814	4	1	29.2	0
P12163_2_F7,18782	R.LLFFEহার.K	1336.768	0.00299	3	1	46	0
P12163_1_F4,13323	R.ATEGPVCDK.N	1697.935	0.009	3	1	29.5	0
P12163_1_F3,25753	R.VVTALTLLK.K ! R.VV	1566.045	0.00126	3	1	26.7	0
P12163_1_F3,25788	R.VVTALTLLK.K ! R.VV	1566.045	0.00523	2	1	35.2	0
P12163_2_F1,25701	R.VVTALTLLK.K ! R.VV	1566.045	0.00467	2	1	26.2	0
P12163_2_F1,25722	R.VVTALTLLK.K ! R.VV	1566.045	0.00462	3	1	34.3	0
P12163_1_F4,24699	K.VAEFFNAAVK.L	1703.994	0.00734	3	1	40	0
P12163_1_F4,24716	K.VAEFFNAAVK.L	1703.994	0.00941	2	1	62.6	0
P12163_2_F1,24035	K.VAEFFNAAVK.L	1703.994	0.00487	2	1	44.7	0
P12163_2_F1,24040	K.VAEFFNAAVK.L	1703.994	0.00368	3	1	43.5	0
P12163_1_F4,18186	R.GFVEEDFEK.V	1707.905	0.00859	2	1	26.9	0

P12163_1_F4,25690	K.AFFVPVWK.W	1601.966	0.00476	2	1	27.1	0
P12163_1_F4,25760	K.AFFVPVWK.W	1601.966	0.00402	3	1	25.6	0
P12163_1_F5,23848	K.AFFVPVWK.W	1601.966	0.00576	2	1	30.1	0
P12163_1_F3,17088	R.CINCGSTADLVEYEK.V	2367.178	0.01013	3	1	50.4	0
P12163_1_F3,17129	R.CINCGSTADLVEYEK.V	2367.178	0.0031	2	1	39.7	0
P12163_1_F3,11009	K.ALAGAAADR.K	1119.642	-0.00061	2	1	28.2	0
P12163_1_F5,16131	K.FIYDEEK.A	1551.851	0.00831	3	1	29.7	0
P12163_1_F6,16685	K.FIYDEEK.A	1551.851	0.00753	2	1	28.2	0
P12163_1_F9,16333	K.FIYDEEK.A	1551.851	0.00469	2	1	31.2	0
P12163_1_S10,1644	K.FIYDEEK.A	1551.851	0.00657	3	1	32.2	0
P12163_1_F4,21208	K.SVNYLPNVLSK.M	1842.094	0.00743	3	1	24.7	0
P12163_1_F9,19614	K.SVNYLPNVLSK.M	1842.094	0.00395	3	1	28.1	0
P12163_2_F1,20719	K.SVNYLPNVLSK.M	1842.094	0.006	2	1	53.1	0
P12163_1_F4,13630	K.VGNVTVEEGK.K	1639.947	0.00563	2	1	39.3	0
P12163_2_F1,12692	K.VGNVTVEEGK.K	1639.947	0.00419	2	1	38.3	0
P12163_1_F6,16904	K.VAVSFTHTIK.A	1711.036	0.00525	2	1	38.8	0
P12163_1_F6,16910	K.VAVSFTHTIK.A	1711.036	0.00655	3	1	37.3	0
P12163_1_F6,12212	R.VSPVTHSVGNCVK.R	1992.116	0.00666	3	1	37	0
P12163_2_F6,11812	R.VSPVTHSVGNCVK.R	1992.116	0.00348	3	1	35.4	0
P12163_2_F7,11229	R.VSPVTHSVGNCVK.R	1992.116	0.00159	3	1	31.1	0
P12163_1_F4,5217	R.GGGAGAPSSGGNR.V	1348.687	0.00045	2	1	35.1	0
P12163_2_F1,4565	R.GGGAGAPSSGGNR.V	1348.687	0.0028	3	1	26.5	0
P12163_1_F3,7149	R.VNSGPPPPR.R	1224.7	0.00248	3	1	31.5	0
P12163_1_F3,8533	R.VNSGPPPPR.R	1224.7	0.00527	3	1	28.2	0
P12163_1_F3,8560	R.VNSGPPPPR.R	1224.7	0.00425	2	1	33.3	0
P12163_1_F5,14304	K.TAQGFLNK.-	1486.884	0.00716	3	1	22.4	0
P12163_2_F2,15017	K.TAQGFLNK.-	1486.884	0.00397	2	1	28.3	0
P12163_2_F2,15020	K.TAQGFLNK.-	1486.884	0.00386	3	1	34.8	0
P12163_1_F5,11583	K.YGNLEENK.Y	1574.863	0.00506	2	1	33	0
P12163_2_F2,12366	K.YGNLEENK.Y	1574.863	0.00824	2	1	28.5	0
P12163_1_F4,20297	R.AEAFVNLGEPK.I	1783.021	0.00526	2	1	56.1	0
P12163_1_F4,20315	R.AEAFVNLGEPK.I	1783.021	0.00566	3	1	56.4	0
P12163_2_F1,19710	R.AEAFVNLGEPK.I	1783.021	0.00366	2	1	50.3	0
P12163_2_F1,19723	R.AEAFVNLGEPK.I	1783.021	0.00611	3	1	60.7	0
P12163_2_F6,15868	R.TLEVHWGELHR.G	1680.912	0.00483	3	1	34.5	0
P12163_1_F2,18647	K.EGTAQDQIDQLIK.D	2067.154	0.00794	3	1	38.3	0
P12163_1_F3,19157	K.EGTAQDQIDQLIK.D	2067.154	-0.00298	3	1	47.1	0
P12163_1_F3,19180	K.EGTAQDQIDQLIK.D	2067.154	0.00515	2	1	35.5	0
P12163_1_F8,18896	K.VLVIDYKPTTVR.V	2012.236	0.00526	2	1	34.9	0
P12163_2_F6,18461	K.VLVIDYKPTTVR.V	2012.236	0.00356	2	1	33.4	0
P12163_1_F4,15468	K.AAVEAELK.K	1438.873	0.00121	2	1	32.4	0
P12163_1_F5,14218	K.AAVEAELK.K	1438.873	0.01133	2	1	31.6	0
P12163_1_F5,11369	R.AWEESEK.S ! K.AWEE	1486.8	0.01136	2	1	26	0
P12163_2_F2,12038	R.AWEESEK.S ! K.AWEE	1486.8	-0.0014	2	1	25.9	0
P12163_2_F2,12057	R.AWEESEK.S ! K.AWEE	1486.8	-0.00313	3	1	35.3	0
P12163_2_S5,11573	-.M*IQPQTHLNVADNSG	2172.113	0.00403	3	1	31.7	0
P12163_1_F7,13799	-.MIQPQTHLNVADNSGA	2156.118	-0.00122	3	1	38	0
P12163_2_S5,13349	-.MIQPQTHLNVADNSGA	2156.118	0.00037	3	1	44.4	0
P12163_1_F8,14499	R.YDDNAAVVIDHEGNP!	2365.224	0.00691	2	1	43.2	0
P12163_2_S5,13669	R.YDDNAAVVIDHEGNP!	2365.224	0.00586	3	1	54.5	0
P12163_1_F9,15958	K.QYAVFDAK.V	1549.883	0.00538	2	1	30.9	0

P12163_1_S10,1589	K.QYAVFDAK.V	1549.883	0.01111	3	1	31.7	0
P12163_2_F1,16002	K.QYAVFDAK.V	1549.883	0.00217	3	1	35.3	0
P12163_2_F1,16003	K.QYAVFDAK.V	1549.883	0.01122	2	1	34.5	0
P12163_2_F6,20169	R.IELNHAFVLR.S	1586.932	-0.00073	3	1	25.2	0
P12163_1_F3,14981	K.LQGACGSCPSSVMTM	2338.148	0.00585	3	1	33.3	0
P12163_1_F3,15025	K.LQGACGSCPSSVMTM	2322.153	0.01089	3	1	34.5	0
P12163_1_F3,17001	K.LQGACGSCPSSVMTM	2322.153	0.00921	3	1	61.6	0
P12163_2_F1,16755	K.LQGACGSCPSSVMTM	2322.153	0.00696	3	1	43.8	0
P12163_1_S1,13483	R.ITGPAAGVMTVR.V	1476.851	0.00754	3	1	35	0
P12163_1_F4,19326	K.AGATVLFEEANK.G	1858.053	0.01729	3	1	24.1	0
P12163_1_F4,19357	K.AGATVLFEEANK.G	1858.053	0.01019	2	1	63.1	0
P12163_2_F1,18630	K.AGATVLFEEANK.G	1858.053	0.00525	2	1	60.1	0
P12163_1_F2,16181	K.GTNNLGVVNPVR.V	1642.954	0.00465	2	1	54.7	0
P12163_2_F6,18824	K.LQHEGFVVLDPK.A	2119.201	0.00454	3	1	27	0
P12163_1_F4,20586	K.NAILTAGFYQEK.L	1963.111	0.00254	3	1	36.4	0
P12163_1_F4,20608	K.NAILTAGFYQEK.L	1963.111	-0.00085	2	1	38.6	0
P12163_2_F1,19985	K.NAILTAGFYQEK.L	1963.111	0.00413	3	1	40.1	0
P12163_2_S3,14311	K.GILSSYDHASIR.R	1622.88	-0.00068	3	1	28.1	0
P12163_1_F2,15812	R.DLVGVAYTEEETK.A	2062.116	0.00929	3	1	34.9	0
P12163_1_F2,17323	R.DLVGVAYTEEETK.A	2062.116	0.00481	2	1	43.3	0
P12163_1_F2,17385	R.DLVGVAYTEEETK.A	2062.116	0.00557	3	1	49.9	0
P12163_1_S1,23225	K.LAESGIFNLNAVTR.K	1910.065	0.00355	3	1	44.5	0
P12163_1_S1,23283	K.LAESGIFNLNAVTR.K	1910.065	0.00409	2	1	27.8	0
P12163_1_F7,18516	R.AFGASDIIAVDVHDEK	2295.244	0.00417	3	1	58.6	0
P12163_1_F8,19510	R.AFGASDIIAVDVHDEK	2295.244	0.0105	3	1	52.4	0
P12163_1_S1,16516	R.GNLEAVGVPTSVPVR.	1799.033	0.00381	3	1	29.7	0
P12163_1_S1,16522	R.GNLEAVGVPTSVPVR.	1799.033	0.00213	2	1	35.4	0
P12163_1_F6,13908	R.VAHELLQAGHR.Y	1534.876	0.00258	3	1	34.5	0
P12163_2_F6,13070	R.VAHELLQAGHR.Y	1534.876	0.00051	3	1	31	0
P12163_1_F2,14290	K.GNVQPD AVLQTVSK.A	2064.191	0.0041	3	1	28.3	0
P12163_1_F2,17481	K.GNVQPD AVLQTVSK.A	2064.191	0.00071	2	1	46.5	0
P12163_1_S1,19223	K.M*DG VETFDIDLK.E	2007.056	0.00584	3	1	36.1	0
P12163_1_S1,21053	K.MDGVETFDIDLK.E	1991.062	-0.00457	3	1	38.4	0
P12163_1_F6,20958	K.HAFDWALIHLCR.L	1842.974	0.00431	3	1	60.3	0
P12163_2_F6,20709	K.HAFDWALIHLCR.L	1842.974	0.00488	3	1	43.3	0
P12163_1_F3,16548	K.TAPIVVPGK.A ! K.TA	1603.04	0.00655	3	1	25.2	0
P12163_1_F3,18651	K.TAPIVVPGK.A ! K.TA	1603.04	0.00694	2	1	29.7	0
P12163_1_F3,10237	K.HFQSIHK.H	1504.884	0.01125	4	1	33.8	0
P12163_1_F6,12156	R.GIYNM*SHGIGK.K	1800.989	0.01281	3	1	24.1	0
P12163_2_S5,11496	R.GIYNM*SHGIGK.K	1800.989	0.00801	3	1	26.4	0
P12163_2_S5,14227	R.GIYNM*SHGIGK.K	1784.994	0.00342	3	1	33.4	0
P12163_1_S1,18677	K.FAVLNTGIYECR.S	1746.915	0.00225	3	1	32.9	0
P12163_1_S1,20792	K.FAVLNTGIYECR.S	1746.915	-0.00138	2	1	28.5	0
P12163_1_F4,18686	R.CPTCGAAQSFESK.S	2198.083	0.00827	3	1	35.7	0
P12163_2_F1,17926	R.CPTCGAAQSFESK.S	2198.083	0.00734	3	1	33.5	0
P12163_1_S1,20996	K.AVCVEAGMLALR.R	1593.876	0.00358	3	1	42.8	0
P12163_1_F3,18476	R.GVLLYGPPGTGK.T ! K	1767.062	0.00594	2	1	41	0
P12163_2_F1,18240	R.GVLLYGPPGTGK.T ! K	1767.062	0.0061	2	1	41	0
P12163_2_F1,18262	R.GVLLYGPPGTGK.T ! K	1767.062	0.00702	3	1	43.8	0
P12163_1_S10,1286	K.HDIFK.K	1267.762	0.00958	3	1	23.5	0
P12163_2_F8_12070	K.HDIFK.K	1267.762	0.00229	3	1	25.5	0

P12163_1_F6,22921	K.LAFGEHFPGVVNPLDC	2228.213	0.00037	3	1	36.5	0
P12163_1_F7,22085	K.LAFGEHFPGVVNPLDC	2228.213	-0.00254	3	1	33.1	0
P12163_1_F6,16372	K.AHGGGLSGQAQAITLC	2068.156	0.0025	3	1	36.1	0
P12163_1_F7,15535	K.AHGGGLSGQAQAITLC	2068.156	0.00301	3	1	31.6	0
P12163_1_F4,14412	R.VVLQEGTGK.F	1538.936	0.01394	2	1	38.2	0
P12163_2_F1,13384	R.VVLQEGTGK.F	1538.936	0.00754	2	1	33.1	0
P12163_2_F6,14157	K.DIHPQFYEDAK.V	1971.043	0.00512	3	1	36.8	0
P12163_1_F2,14626	R.SAVVVDADQVEK.F	1868.059	0.00757	3	1	51.3	0
P12163_1_F2,14628	R.SAVVVDADQVEK.F	1868.059	0.00192	2	1	68.6	0
P12163_1_F3,15148	R.SAVVVDADQVEK.F	1868.059	0.01015	3	1	35.3	0
P12163_2_F2,17554	K.NLAILNK.R	1393.899	0.00864	2	1	28.1	0
P12163_2_F2,17602	K.NLAILNK.R	1393.899	0.0036	3	1	23.7	0
P12163_1_F6,20113	R.LIDDLQHVDTDSR.L	2045.045	0.00072	3	1	41	0
P12163_1_F6,20140	R.LIDDLQHVDTDSR.L	2045.045	0.00509	2	1	54	0
P12163_1_F3,24973	K.SPEEMLMILQK.V	1927.085	0.00877	3	1	41.3	0
P12163_1_F4,23586	R.IALLQQVEGPK.S	1804.115	0.00564	3	1	29.7	0
P12163_1_F4,23598	R.IALLQQVEGPK.S	1804.115	0.00934	2	1	59.9	0
P12163_2_F1,23001	R.IALLQQVEGPK.S	1804.115	0.00294	3	1	25.9	0
P12163_2_S5,13394	K.YSEHFLR.K	1255.674	0.00202	3	1	24.5	0
P12163_1_F3,18846	R.AAGVLENYAEGEK.Y	1959.064	0.01104	2	1	33.5	0
P12163_1_F4,19280	R.AAGVLENYAEGEK.Y	1959.064	0.0097	2	1	60.8	0
P12163_1_F4,19307	R.AAGVLENYAEGEK.Y	1959.064	0.00954	3	1	39.9	0
P12163_1_F3,26525	K.LGDIM*GILNK.R	1698.008	0.00823	3	1	22.4	0
P12163_1_F3,26543	K.LGDIMGILNK.R	1682.013	0.00247	3	1	23.5	0
P12163_1_F7,14228	R.AVEASESERPIPDIR.T	1973.06	0.00203	3	1	30.6	0
P12163_1_F7,14230	R.AVEASESERPIPDIR.T	1973.06	-0.00527	2	1	50.8	0
P12163_1_F2,13461	R.EDNMVEIR.K	1309.672	0.00246	2	1	24.4	0
P12163_1_F7,19310	R.VVIDHGAVPIFVR.L	1726.032	0.00253	3	1	45.4	0
P12163_1_F7,19370	R.VVIDHGAVPIFVR.L	1726.032	0.00354	2	1	46.7	0
P12163_2_S5,18279	R.VVIDHGAVPIFVR.L	1726.032	0.00184	3	1	62.7	0
P12163_2_F2,15834	K.AVQTVWK.V	1439.883	0.00436	2	1	28	0
P12163_2_F2,15939	K.AVQTVWK.V	1439.883	0.0054	3	1	25	0
P12163_2_F2,16072	K.AVQTVWK.V	1439.883	0.00136	2	1	24.4	0
P12163_2_F4,16864	K.DGIEVGTMVPEVPEF	2441.312	-0.00012	3	1	28	0
P12163_1_F4,16976	K.YAVSGLAEASEK.Y	1833.021	0.00566	2	1	54.3	0
P12163_1_F4,16988	K.YAVSGLAEASEK.Y	1833.021	0.00841	3	1	58.4	0
P12163_2_F1,16154	K.YAVSGLAEASEK.Y	1833.021	-0.0042	2	1	53	0
P12163_1_F3,26987	R.LVEYFADEFNK.Q	1983.068	0.00398	3	1	29.1	0
P12163_1_F7,21938	K.VGIFALAYAAHK.A	1869.121	0.00769	3	1	26.2	0
P12163_1_F8,22878	K.VGIFALAYAAHK.A	1869.121	0.00706	3	1	29.8	0
P12163_1_F3,12870	K.VGISTDATGEK.V	1685.953	0.00683	2	1	47.8	0
P12163_1_F4,13432	K.VGISTDATGEK.V	1685.953	0.00921	2	1	33.8	0
P12163_1_F4,23910	K.LMELVGESEK.L	1742.982	0.01344	3	1	32.5	0
P12163_1_F4,23926	K.LMELVGESEK.L	1742.982	0.00837	2	1	47.8	0
P12163_2_F1,23309	K.LMELVGESEK.L	1742.982	0.00513	3	1	32	0
P12163_1_F9,9149	K.VQAHLGR.V	1084.653	0.00248	3	1	32.8	0
P12163_1_F6,19864	R.DIEPQAPTHILIIPK.V	2293.374	0.00391	3	1	31.2	0
P12163_1_F7,19046	R.DIEPQAPTHILIIPK.V	2293.374	0.00589	3	1	30	0
P12163_1_F7,19057	R.DIEPQAPTHILIIPK.V	2293.374	0.00256	4	1	25.1	0
P12163_1_S10,1076	R.HCEILGR.L	1188.646	0.00802	3	1	24.6	0
P12163_1_F3,25255	K.YWLPELPGIAK.M	1895.125	0.00506	2	1	37.5	0

P12163_1_F3,25265	K.YWLPELPGIAK.M	1895.125	0.00465	3	1	41.2	0
P12163_1_F5,17435	R.LMFASK.Y	1304.786	0.00556	3	1	32.2	0
P12163_2_F1,17804	R.LMFASK.Y	1304.786	0.00466	3	1	27.2	0
P12163_1_F3,22480	K.M*YADNQNMFEDFK	2424.146	0.00658	3	1	39.3	0
P12163_1_F3,23732	K.MYADNQNMFEDFK.]	2408.151	0.00718	3	1	58.9	0
P12163_1_F2,15435	R.LDSMEPDPEGK.L	1825.946	0.00798	2	1	24.3	0
P12163_1_S1,15077	R.LDSMEPDPEGK.L	1825.946	0.00615	2	1	24.8	0
P12163_1_F3,14679	K.DIPDVEGDK.A ! K.DIP	1595.874	0.00691	2	1	35.9	0
P12163_1_F3,20715	R.TLPVILGK.E	1448.966	0.00815	2	1	30.1	0
P12163_1_F4,21143	R.TLPVILGK.E	1448.966	0.01081	2	1	26.8	0
P12163_2_F1,20559	R.TLPVILGK.E	1448.966	0.00995	2	1	24.3	0
P12163_1_F8,17995	K.GTLDIIEHVR.S	1456.843	0.00334	3	1	33.7	0
P12163_2_F6,17476	K.GTLDIIEHVR.S	1456.843	0.00067	3	1	56.2	0
P12163_1_F4,25408	K.ISALALLK.M	1436.966	0.00516	2	1	28.7	0
P12163_2_F1,24733	K.ISALALLK.M	1436.966	-0.00188	3	1	26.5	0
P12163_1_F5,18056	K.ASNPFVNLK.K	1597.952	0.00762	2	1	41.2	0
P12163_1_F5,18089	K.ASNPFVNLK.K	1597.952	0.00524	3	1	33.3	0
P12163_2_F2,18769	K.ASNPFVNLK.K	1597.952	0.0051	2	1	43.7	0
P12163_1_F3,20923	R.YVDAVLTVPK.G	1713.041	0.00636	2	1	28.1	0
P12163_1_F4,22322	K.AFEEWNSLTAK.F	1904.037	0.00469	2	1	31.1	0
P12163_2_F1,21739	K.AFEEWNSLTAK.F	1904.037	0.00426	3	1	22.6	0
P12163_1_F5,12622	R.NLLAGNK.A	1337.836	0.00623	2	1	28.8	0
P12163_2_F2,13438	R.NLLAGNK.A	1337.836	0.01121	2	1	28.7	0
P12163_1_F3,18794	K.NPAFITLR.K	1235.741	0.00283	2	1	25.8	0
P12163_2_F1,18535	K.NPAFITLR.K	1235.741	0.00231	2	1	28.3	0
P12163_2_F1,13947	R.EIAQTISK.S	1497.91	0.004	3	1	24.6	0
P12163_2_F1,13958	R.EIAQTISK.S	1497.91	0.00246	2	1	27.6	0
P12163_2_F9,16691	K.LPASHVIHTVGPIYDAI	2963.553	0.00094	4	1	44.1	0
P12163_2_F6,9812	R.M*LGGGGADGAIHR.A	1531.795	0.00447	3	1	62.3	0
P12163_1_F8,12734	R.MLGGGGADGAIHR.A	1515.8	0.00096	3	1	65.9	0
P12163_2_F6,12283	R.MLGGGGADGAIHR.A	1515.8	0.00093	3	1	42.8	0
P12163_1_F7,21247	K.SVHDFVVEVVEGDAR	1962.023	0.00321	3	1	47.9	0
P12163_2_S5,21052	K.SVHDFVVEVVEGDAR	1962.023	0.00402	3	1	61	0
P12163_1_F4,18764	R.NILCEAVEK.H	1683.956	0.0107	3	1	41.2	0
P12163_1_F5,17444	R.NILCEAVEK.H	1683.956	0.00891	2	1	33	0
P12163_2_F2,13990	K.MIYASSK.D ! K.MLYA	1407.813	0.00478	2	1	30.3	0
P12163_1_F2,20338	R.YAVYDYDFVTAENCQ	2594.269	0.00671	3	1	47.6	0
P12163_1_S1,19878	R.YAVYDYDFVTAENCQ	2594.269	0.01418	3	1	54.2	0
P12163_2_F6,19829	R.YAVYDYDFVTAENCQ	2594.269	0.00923	3	1	43.1	0
P12163_1_S1,19345	K.YIDPTYMIR.A	1475.787	0.00236	3	1	30.4	0
P12163_1_F5,12311	R.HAYIPIAR.V	1244.742	0.0074	3	1	29	0
P12163_2_F4,12417	R.HAYIPIAR.V	1244.742	0.00329	3	1	32	0
P12163_2_F9,11953	R.HAYIPIAR.V	1244.742	0.00392	3	1	25.3	0
P12163_1_F2,20406	K.ELEEVGGLEELEK.E	2082.143	0.00705	2	1	44.7	0
P12163_1_F2,20491	K.ELEEVGGLEELEK.E	2082.143	0.00577	3	1	66.1	0
P12163_1_F3,20881	K.ELEEVGGLEELEK.E	2082.143	0.01012	3	1	40.5	0
P12163_1_F8,22280	K.RFPVGPIADVPYFR.R	1938.09	-0.00005	3	1	59.8	0
P12163_1_F3,26426	K.ISLTELATVVK.S	1796.135	0.00936	2	1	25.6	0
P12163_1_F3,26429	K.ISLTELATVVK.S	1796.135	0.00025	3	1	30.9	0
P12163_1_F2,7830	R.TSSGAAGEAELR.E	1452.76	-0.00283	3	1	38.9	0
P12163_1_F2,9752	R.TSSGAAGEAELR.E	1452.76	0.00335	2	1	32.1	0

P12163_1_F3,29075	K.AINPLELAM*EALK.V	2037.187	0.00185	3	1	31.1	0
P12163_1_F3,29060	K.AINPLELAMEALK.V	2021.192	0.00428	3	1	36.2	0
P12163_1_F4,20185	K.DAYVNLLSK.L	1630.962	-0.00154	3	1	27.5	0
P12163_2_F1,19636	K.DAYVNLLSK.L	1630.962	0.005	2	1	29.4	0
P12163_1_F5,20591	R.GNLFILK.M ! K.GNLFILK.M	1412.909	0.0078	2	1	26.9	0
P12163_1_F5,20610	R.GNLFILK.M ! K.GNLFILK.M	1412.909	0.00507	3	1	24.4	0
P12163_1_F4,24773	R.IAGLIPIK.S	1432.971	0.00423	3	1	24.2	0
P12163_2_F1,24159	R.IAGLIPIK.S	1432.971	0.00657	2	1	24.9	0
P12163_1_F3,24926	K.EQDFWLVIIEPK.F	2012.131	0.00363	2	1	35.4	0
P12163_1_F3,24932	K.EQDFWLVIIEPK.F	2012.131	0.00146	3	1	29.3	0
P12163_1_F4,20886	K.YYFVVANAK.F	1682.973	0.01494	3	1	22.7	0
P12163_1_F9,19299	K.YYFVVANAK.F	1682.973	0.00642	3	1	31.8	0
P12163_1_S1,15979	K.GAVDLGIAVQR.A	1402.832	0.00094	3	1	68.1	0
P12163_1_S1,16003	K.GAVDLGIAVQR.A	1402.832	0.00327	2	1	34.6	0
P12163_1_F4,13513	R.ACENVTQPLK.F	1767.988	-0.00319	2	1	31.1	0
P12163_2_F1,12531	R.ACENVTQPLK.F	1767.988	0.00003	2	1	35.8	0
P12163_1_F4,13427	K.NGVDAENAGIYGSQK	2131.124	-0.00027	2	1	48.4	0
P12163_1_F5,10237	R.AGASYTVK.D	1404.831	0.00919	3	1	26.5	0
P12163_1_F5,10239	R.AGASYTVK.D	1404.831	0.00109	2	1	25.2	0
P12163_2_F2,11075	R.AGASYTVK.D	1404.831	0.00037	2	1	36	0
P12163_2_F4,12388	K.VLHITTR.K	1143.715	0.00507	3	1	23.6	0
P12163_1_F2,24002	R.VIDLFSSPDVVK.Q	1927.136	0.007	3	1	49	0
P12163_1_F5,23862	R.VIDLFSSPDVVK.Q	1927.136	0.00172	3	1	29.6	0
P12163_1_S1,23269	R.VIDLFSSPDVVK.Q	1927.136	0.00553	3	1	51.1	0
P12163_2_F1,8493	K.AMEESGNDK.F	1588.81	0.00556	2	1	25.7	0
P12163_1_S1,8076	R.EDDNVETIR.K	1394.706	0.00344	3	1	25	0
P12163_1_S1,10698	R.EDDNVETIR.K	1394.706	0.00284	2	1	28.1	0
P12163_1_S1,6580	K.VGEASH.-	903.4837	0.00465	2	1	27.1	0
P12163_1_F3,23092	K.VNFWEDPLSPSK.W	2027.106	0.00775	2	1	37.3	0
P12163_1_F3,23107	K.VNFWEDPLSPSK.W	2027.106	0.00822	3	1	44.4	0
P12163_1_F8,15011	K.ATAEHVADAIADNR.A	1757.908	0.00084	3	1	24.7	0
P12163_2_F6,14481	K.ATAEHVADAIADNR.A	1757.908	0.00257	3	1	34.3	0
P12163_1_F5,10627	R.GSGVQYQVK.G	1701.974	0.00793	2	1	35	0
P12163_2_F8_1207C	R.CDEVSEALVAEGLHA'	2594.33	0.00235	4	1	31.9	0
P12163_1_F5,13818	R.ELAQQIEK.E ! R.ELAQQIEK.E	1566.931	0.00899	2	1	37.3	0
P12163_1_F5,13853	R.ELAQQIEK.E ! R.ELAQQIEK.E	1566.931	0.00404	3	1	24	0
P12163_1_S10,1404	K.MHDLIR.D ! R.MHDLIR.D	1088.619	0.00092	3	1	22.5	0
P12163_2_F8_1207C	K.MHDLIR.D ! R.MHDLIR.D	1088.619	0.00263	3	1	24.5	0
P12163_1_F9,7678	R.GIHEIR.E	1028.615	0.0037	3	1	31.3	0
P12163_1_F4,14948	K.LYDAEATK.Q	1518.862	0.01073	2	1	27.8	0
P12163_1_F8,16395	R.LGSGVLSEHYVR.S	1620.901	0.00302	3	1	33.8	0
P12163_2_S3,14400	R.LGSGVLSEHYVR.S	1620.901	0.0023	3	1	36.2	0
P12163_1_F3,19365	K.GIGLDGLNEAQIAK.A	2007.169	0.00615	3	1	64.3	0
P12163_1_F3,19391	K.GIGLDGLNEAQIAK.A	2007.169	0.00535	2	1	84.1	0
P12163_1_S1,15187	R.ILLCQTSPSSSTR.S	1840.974	-0.00272	2	1	34.4	0
P12163_1_F8,19598	K.GTEELNNILEHAK.Q	2076.154	0.00687	3	1	40.5	0
P12163_2_F6,19228	K.GTEELNNILEHAK.Q	2076.154	0.00111	3	1	28.2	0
P12163_2_F2,8862	K.NANVTNPK.V	1465.858	0.00626	2	1	27.2	0
P12163_1_F8,13020	R.DALSDGQVHVEK.M	1906.049	0.00748	3	1	31.4	0
P12163_1_F3,14813	R.DITFQNTAGPSK.H	1887.043	0.0061	2	1	58.4	0
P12163_1_F3,14826	R.DITFQNTAGPSK.H	1887.043	0.00849	3	1	54.7	0

P12163_2_S5,21298	K.LNDELYEVHQIMTR.N	2065.069	-0.00254	3	1	40.5	0
P12163_2_F1,17553	R.NVQEV LGVGEK.L	1780.042	0.00726	2	1	28.7	0
P12163_2_F1,17602	R.NVQEV LGVGEK.L	1780.042	0.00225	3	1	22	0
P12163_1_F9,16989	K.IHNAEVLFR.E	1402.811	-0.00185	3	1	25.2	0
P12163_1_S10,5223	K.SHSNAPAR.I	1143.617	0.00402	3	1	28.9	0
P12163_2_F8_12070	K.SHSNAPAR.I	1143.617	0.00333	3	1	27.6	0
P12163_1_F6,19320	K.ITPLPVWHGAGYR.S	1770.996	0.0006	3	1	32.8	0
P12163_2_F6,18872	K.ITPLPVWHGAGYR.S	1770.996	-0.00345	3	1	34	0
P12163_1_F5,15102	K.VNEELLK.L	1452.888	0.00535	2	1	24.5	0
P12163_1_F2,12052	K.EGYASIGGG SPLR.R	1567.838	-0.00199	3	1	24.5	0
P12163_2_F1,16184	K.SQNFSTASLVGDEK.I	2091.118	0.00754	3	1	48.2	0
P12163_2_F1,16206	K.SQNFSTASLVGDEK.I	2091.118	0.00361	2	1	67.9	0
P12163_2_F2,13171	K.SYADNFK.W	1452.794	0.0072	2	1	34.5	0
P12163_1_F5,5799	R.TATQQSGSK.L	1485.848	0.00843	2	1	34.2	0
P12163_2_F2,6696	R.TATQQSGSK.L	1485.848	0.00295	2	1	36.6	0
P12163_1_S1,23949	R.FLTLQEADSLIR.Q	1709.974	-0.00011	3	1	40.1	0
P12163_1_F8,20002	R.FVLVPGTHVQIDK.L	2061.232	0.00504	3	1	24.7	0
P12163_2_F6,19569	R.FVLVPGTHVQIDK.L	2061.232	0.00456	3	1	26.9	0
P12163_1_F2,9373	K.GETQVVS GTNYR.L	1614.839	0.00442	2	1	26	0
P12163_1_F8,19192	K.HVMEIGQFAVTEY NK.	2374.268	0.00929	3	1	44.4	0
P12163_2_F6,18735	K.HVMEIGQFAVTEY NK.	2374.268	0.00233	3	1	45.4	0
P12163_1_F3,24551	K.TELNITSLFAK.R	1845.094	0.00367	3	1	33.4	0
P12163_1_F3,24561	K.TELNITSLFAK.R	1845.094	0.01117	2	1	29.4	0
P12163_2_F1,15149	R.VFVTAGSEEK.L	1674.952	0.00157	2	1	30.1	0
P12163_1_F9,17618	K.RIDSFVQSIR.V	1524.88	0.00351	3	1	48.3	0
P12163_1_F2,18023	R.IDSFVQSIR.V	1368.779	0.00303	3	1	24	0
P12163_1_F2,22099	R.IDSFVQSIR.V	1368.779	0.00511	2	1	24.4	0
P12163_1_S1,19095	K.SGVTVLDALR.E	1334.794	0.00307	2	1	24	0
P12163_1_F3,24003	R.DVLFPQILK.E	1681.051	0.0025	2	1	27.5	0
P12163_1_F3,24008	R.DVLFPQILK.E	1681.051	0.0016	3	1	36.6	0
P12163_1_F2,8937	K.DYEQAEP R.N	1311.648	0.00011	2	1	24.5	0
P12163_1_F3,5809	R.DGADV R.G ! K.DGADV	936.5052	0.0015	2	1	33.7	0
P12163_2_F1,5481	R.DGADV R.G ! K.DGADV	936.5052	0.00236	2	1	28.5	0
P12163_2_F6,15452	K.HGVVAETMTEMGDPK	2210.141	0.01013	3	1	25.6	0
P12163_1_F4,17295	K.IVICEAAEK.H	1640.95	0.00511	3	1	29.8	0
P12163_1_F4,17319	K.IVICEAAEK.H	1640.95	0.0104	2	1	24	0
P12163_2_F7,5943	K.ASEQQHSLSR.S	1446.76	0.00126	3	1	29	0
P12163_2_S5,6819	K.ASEQQHSLSR.S	1446.76	0.0021	3	1	46.3	0
P12163_1_S1,23692	K.DALPTLLYGFR.F	1569.894	0.00226	3	1	36.1	0
P12163_1_F3,20987	K.IVLIGDSGVGK.S ! K.L	1666.036	0.00077	2	1	38	0
P12163_1_F9,12267	R.HLVAVSTEDGK.S ! R.I	1764.011	0.00715	3	1	56.2	0
P12163_2_F7,11303	R.HLVAVSTEDGK.S ! R.I	1764.011	0.00289	3	1	47.6	0
P12163_1_F5,22435	K.FGEAVWFK.A	1591.909	0.00903	2	1	27.2	0
P12163_1_F9,12965	R.ELEVIHSR.W	1286.737	0.00316	3	1	38.7	0
P12163_2_F7,11920	R.ELEVIHSR.W	1286.737	0.00121	3	1	40.4	0
P12163_1_F4,18352	R.AALLVSQDPK.V ! R.A.	1650.005	0.00603	2	1	32.7	0
P12163_1_F8,18504	R.QLSHPLL VLR.A	1479.931	0.00045	3	1	29.1	0
P12163_2_F6,17924	R.QLSHPLL VLR.A	1479.931	0.00399	3	1	28.5	0
P12163_1_F7,16147	K.DVANAHIQAFEVPSAS	2173.13	-0.00069	3	1	42.7	0
P12163_1_F8,15224	K.TGHLLALDGASER.L	1643.902	0.00435	3	1	38.2	0
P12163_2_F6,14610	K.TGHLLALDGASER.L	1643.902	0.00423	3	1	34.6	0

P12163_1_F4,12595	K.GDYTAAAVK.I	1503.863	0.00762	2	1	35.7	0
P12163_2_F1,11659	K.GDYTAAAVK.I	1503.863	0.006	3	1	39.3	0
P12163_1_F3,27630	R.GLLLLAEM*SSAGNLA	2212.283	0.006	3	1	50.5	0
P12163_2_F6,19571	R.LNEAVM*HFGESIK.E	2099.141	0.00449	3	1	30.2	0
P12163_2_F6,20780	R.LNEAVMHFGESIK.E	2083.147	0.00174	3	1	40.5	0
P12163_1_F3,19217	R.VVITFDGK.Y	1486.909	0.00249	2	1	28.1	0
P12163_2_F1,18758	K.LLLDNPAAAK.V	1634.01	0.00555	2	1	43.4	0
P12163_1_F4,15078	K.SESNEPNVQDFK.L	2002.034	0.00707	2	1	29.1	0
P12163_2_F1,14024	K.SESNEPNVQDFK.L	2002.034	-0.00279	2	1	41.9	0
P12163_1_F6,17910	K.HYVGPFESEFGK.I	1876.021	0.01119	3	1	24.9	0
P12163_1_F9,16478	R.EHGFLGFR.N ! K.EHGI	1266.69	0.00344	3	1	25.4	0
P12163_1_S10,1680	R.EHGFLGFR.N ! K.EHGI	1266.69	0.0023	3	1	24.6	0
P12163_1_F7,16557	K.FLPADPYAHKD.-	1882.032	0.00881	3	1	41.3	0
P12163_2_F6,16573	K.FLPADPYAHKD.-	1882.032	0.00038	3	1	35.6	0
P12163_2_F2,15052	R.EWVVQNK.L	1510.884	0.00287	2	1	27.3	0
P12163_1_F9,17850	K.AISNYAPVLK.A	1684.025	0.01478	3	1	26.5	0
P12163_2_F9,16525	K.AISNYAPVLK.A	1684.025	0.00551	3	1	24.9	0
P12163_1_S1,21739	R.M*CMPSPSIDQFIDAVI	2463.254	0.00877	3	1	22.9	0
P12163_1_F5,17636	R.ACGLVDFK.C	1517.861	0.00373	2	1	24.8	0
P12163_1_F4,22485	R.QNFVWGGFPGPEK.E	2071.122	0.01157	3	1	36.7	0
P12163_2_F1,21930	R.QNFVWGGFPGPEK.E	2071.122	0.00479	3	1	32.3	0
P12163_1_F2,17602	R.FADNLGDDATIEK.I	2017.07	0.00129	3	1	40.2	0
P12163_1_F6,19370	R.YELEPPHVLITATAAGI	2256.229	0.00665	3	1	34.9	0
P12163_2_F10,1705	R.YELEPPHVLITATAAGI	2256.229	0.00428	3	1	23.2	0
P12163_2_F2,17720	K.AGGWYNSLK.N	1603.905	0.00777	2	1	26.3	0
P12163_1_F8,17247	K.CLADMVINHR.T	1532.798	-0.00144	3	1	31.8	0
P12163_2_F6,16591	K.CLADMVINHR.T	1532.798	0.00192	3	1	52.6	0
P12163_1_F3,20722	K.VIDPLLSEK.G	1621.998	0.0097	3	1	32.5	0
P12163_1_F3,20733	K.VIDPLLSEK.G	1621.998	0.0068	2	1	33.9	0
P12163_2_F9,11000	R.ALHIVNR.T	1126.7	0.00192	3	1	31.4	0
P12163_2_F7,11487	R.NEACIAGLHDK.G	1835.989	-0.0094	3	1	33	0
P12163_1_F8,16978	R.SALSGFVDVHR.L	1491.822	0.00388	3	1	48.2	0
P12163_2_F6,16397	R.SALSGFVDVHR.L	1491.822	0.0013	3	1	35.7	0
P12163_2_F6,20955	K.VSQLEHVFIK.G	1531.89	0.0033	2	1	38.8	0
P12163_1_F3,26716	R.FMVIPDMLK.N	1701.989	0.00208	3	1	23.9	0
P12163_1_F3,26736	R.FMVIPDMLK.N	1701.989	0.00355	2	1	26.6	0
P12163_2_F9,20156	R.GVLDSAGFPAVVTAHI	3038.648	0.00046	4	1	30.4	0
P12163_2_F6,21957	R.VLELLCHR.D	1343.777	0.00294	3	1	34.9	0
P12163_2_F7,19862	R.VLELLCHR.D	1343.777	0.00267	3	1	30.7	0
P12163_1_F8,16410	K.HEVCNAYTELNDPIVC	2362.176	0.00333	3	1	55.3	0
P12163_2_F6,15876	K.HEVCNAYTELNDPIVC	2362.176	0.00216	3	1	45.1	0
P12163_1_F4,18101	R.NPETYILK.D	1585.941	0.00594	3	1	23.7	0
P12163_2_S5,16044	K.NVADSIPLEHITR.I	1768.986	0.00072	3	1	34.3	0
P12163_1_F4,22610	R.TVLAEAINLK.G	1680.052	0.00096	2	1	61.9	0
P12163_2_F1,22128	R.TVLAEAINLK.G	1680.052	0.00814	2	1	60.7	0
P12163_1_F9,19351	K.HNGILGFEEFAR.A	1693.896	-0.00113	3	1	41.5	0
P12163_2_F7,17524	K.HNGILGFEEFAR.A	1693.896	0.001	3	1	43.2	0
P12163_1_F4,26704	R.VFDLFDTK.H ! K.VFDI	1592.914	0.00595	2	1	26.1	0
P12163_1_F6,15074	K.FEFVAHHK.G	1622.926	0.00777	4	1	25.8	0
P12163_2_F6,11681	K.GPASDQIHDFR.D	1546.792	0.00079	3	1	42.2	0
P12163_2_F7,11052	K.GPASDQIHDFR.D	1546.792	0.00766	3	1	50	0

P12163_1_F4,23327	K.LAFIDVAK.G	1484.93	0.00443	2	1	27.8	0
P12163_1_F6,19641	K.VPQSDEEFFLHPATVR	2176.134	0.00608	3	1	31.2	0
P12163_2_S5,18390	K.VPQSDEEFFLHPATVR	2176.134	0.00161	3	1	45.5	0
P12163_2_F1,18895	R.ALLDGLEK.A	1466.904	0.00984	2	1	26.4	0
P12163_2_F1,18937	R.ALLDGLEK.A	1466.904	0.00433	3	1	25.2	0
P12163_1_F2,10405	R.EIVDAR.A ! R.EIVDAR	1006.583	0.00473	2	1	26.9	0
P12163_1_F4,24970	K.M*SLAELLDESK.V	1860.024	0.01177	3	1	44.2	0
P12163_1_F9,17392	R.LFLHDIR.R	1217.731	0.00351	3	1	31.4	0
P12163_2_F9,16526	R.LFLHDIR.R	1217.731	0.00138	3	1	39	0
P12163_1_S1,14691	R.EILQNQDTSFCNR.T ! R	1928.944	0.00185	2	1	33	0
P12163_1_F8,20925	R.LHPAVPLLIPR.K ! R.LI	1529.983	0.00367	3	1	22.8	0
P12163_2_F6,20544	R.LHPAVPLLIPR.K ! R.LI	1529.983	0.00181	3	1	25.4	0
P12163_1_F4,24000	K.ASVATGLATILK.-	1753.104	0.00234	3	1	42.7	0
P12163_2_F1,23473	K.ASVATGLATILK.-	1753.104	0.00522	3	1	30	0
P12163_2_F1,25778	K.VFAIIGVK.V	1454.955	0.01043	2	1	31.2	0
P12163_2_F6,16406	K.HLYVQVIDDTK.M	1939.111	0.00596	3	1	40.3	0
P12163_1_F5,14492	R.EHGLQF.-	1034.557	0.00257	2	1	24	0
P12163_2_F2,15130	R.EHGLQF.-	1034.557	0.00211	2	1	25.4	0
P12163_1_S1,11815	K.EVSNSFGVDSR.I	1500.76	0.00329	3	1	29	0
P12163_1_S1,12976	K.EVSNSFGVDSR.I	1500.76	0.01028	2	1	26.5	0
P12163_2_F1,17840	R.LGAEMTLK.Q	1470.881	0.00046	2	1	25.1	0
P12163_1_F8,19142	K.HMDPLLPLPR.L	1492.861	0.0017	3	1	26.8	0
P12163_2_F6,18665	K.HMDPLLPLPR.L	1492.861	0.00284	3	1	26.7	0
P12163_1_F7,21669	R.QGIALALHSAADVLR.	1839.075	0.00884	3	1	49.6	0
P12163_1_F7,14609	K.GTIAGGGVIPHIHK.S	1965.185	0.00149	4	1	22.8	0
P12163_1_F3,19051	R.GDEELDTLIK.G	1740.984	0.00233	2	1	56.2	0
P12163_1_F3,19073	R.GDEELDTLIK.G	1740.984	0.00429	3	1	38.4	0
P12163_1_F3,26366	K.GLEILAFPCNQFLK.Q	2258.283	0.00918	3	1	26.5	0
P12163_1_F4,15166	R.VNGPNAEPLYK.F	1810.032	0.00183	2	1	35.4	0
P12163_2_F1,14125	R.VNGPNAEPLYK.F	1810.032	0.00379	2	1	36.2	0
P12163_2_F1,10586	K.VNVEESK.I	1412.82	0.00591	2	1	25.5	0
P12163_1_F4,22328	R.SIFCIVEK.A	1603.934	0.00474	2	1	34.5	0
P12163_2_F1,21915	R.SIFCIVEK.A	1603.934	0.00459	3	1	29.9	0
P12163_2_F2,17214	K.NINLEIK.K	1451.904	0.00254	2	1	28	0
P12163_2_F2,12769	R.GINLSGGQK.Q ! K.GLN	1481.89	0.00533	2	1	34.5	0
P12163_2_F2,12799	R.GINLSGGQK.Q ! K.GLN	1481.89	0.00305	3	1	37.4	0
P12163_1_F9,9837	K.HIGGCTETVK.L	1709.946	0.00216	3	1	31.6	0
P12163_2_F9,9472	K.HIGGCTETVK.L	1709.946	0.00723	3	1	59.6	0
P12163_2_F2,15698	K.TWCSYSSEVK.L	1854.952	0.00854	2	1	33.2	0
P12163_1_F7,22066	K.KDVM*DASGVALVLI	2936.634	0.00205	4	1	33	0
P12163_1_F5,16435	K.NLLDTVK.V	1410.878	0.00598	2	1	28.4	0
P12163_2_F1,16864	K.NLLDTVK.V	1410.878	0.0049	2	1	29.6	0
P12163_1_F3,20656	K.VYVVGEDGILK.E	1800.073	0.00277	2	1	60.5	0
P12163_1_F3,20660	K.VYVVGEDGILK.E	1800.073	0.00158	3	1	38.6	0
P12163_1_S1,17348	R.ENPGCLFIATNR.D	1695.879	0.0057	3	1	34.6	0
P12163_1_F3,19917	R.GASLPSDMFEAAK.S	1932.036	0.00298	3	1	28.5	0
P12163_1_F3,19945	R.GASLPSDMFEAAK.S	1932.036	0.0084	2	1	48.3	0
P12163_1_F3,22877	R.M*LADPSFLFK.I ! R.M	1793.013	0.00916	3	1	23.4	0
P12163_1_F3,18759	K.DFVGDVPLSK.K	1684.973	0.00727	2	1	36.4	0
P12163_1_F3,18760	K.DFVGDVPLSK.K	1684.973	0.00723	3	1	22	0
P12163_1_F3,22101	R.NAIINAAELASYDQVK	2328.302	0.00824	3	1	55	0

P12163_1_F4,28678	K.LSAAISAILEK.K	1724.078	0.00595	3	1	28.3	0
P12163_1_F4,16953	M.PCLNISTNVK.L	1754.009	0.00151	3	1	26.6	0
P12163_2_F1,16170	M.PCLNISTNVK.L	1754.009	0.00539	2	1	28.7	0
P12163_1_F3,14066	K.DVVSADSLQSK.D	1756.99	0.00442	2	1	60.8	0
P12163_1_F6,15187	K.LVNYQHLM*PTR.Y	1691.92	0.00423	3	1	30.2	0
P12163_1_F8,17960	K.LVNYQHLMPTR.Y	1675.926	0.01402	3	1	32.4	0
P12163_1_F3,12113	K.ALGVER.V	948.5779	0.0036	2	1	28.4	0
P12163_1_F4,12220	K.ALGVER.V	948.5779	0.00217	2	1	29.2	0
P12163_1_F5,20487	K.CLTQRVLPEK.L	1852.093	-0.01955	3	1	29.9	0
P12163_1_F2,20249	K.NAAVELGQFGIR.V	1578.891	0.0052	2	1	29.4	0
P12163_1_F2,20278	K.NAAVELGQFGIR.V	1578.891	0.00558	3	1	48	0
P12163_2_F2,13285	K.VFAQQGAK.V	1456.873	0.01287	2	1	24.4	0
P12163_1_F2,22641	K.DVVFDYPITDA.-	1558.794	0.00185	2	1	39.9	0
P12163_1_S1,13862	K.DVVLIATR.R	1190.741	0.00229	3	1	35.6	0
P12163_1_S1,16183	K.DVVLIATR.R	1190.741	0.00339	2	1	25.1	0
P12163_1_F5,25262	K.LIELLGK.F ! K.LLELLC	1393.924	0.00623	2	1	30.6	0
P12163_2_F1,26492	K.LIELLGK.F ! K.LLELLC	1393.924	0.00689	2	1	30.1	0
P12163_1_F9,8433	R.LAPPHSR.D	1081.642	0.00792	3	1	22.9	0
P12163_1_F6,20082	K.SSSVFIPHGPQAVQDIA	2484.351	0.00299	3	1	32.5	0
P12163_1_F3,13872	R.AMNEINAAAR.L	1364.726	0.00626	2	1	38.6	0
P12163_2_F1,13121	R.AMNEINAAAR.L	1364.726	0.00294	2	1	39.4	0
P12163_2_S3,7087	K.DYQSDHK.F	1500.79	0.00535	3	1	25	0
P12163_2_S5,7516	K.DYQSDHK.F	1500.79	0.00472	3	1	26.1	0
P12163_1_S1,24005	K.SIFSIVPDQR.S	1612.9	0.00272	3	1	42.6	0
P12163_1_F3,13872	R.AMNEINAAAR.L	1364.726	0.00626	2	1	38.6	0
P12163_2_F1,13121	R.AMNEINAAAR.L	1364.726	0.00294	2	1	39.4	0
P12163_1_S1,23866	R.SQIQAYVFDVIR.A	1742.974	0.00741	3	1	30.9	0
P12163_2_F1,23391	K.FASFLAGK.N	1448.872	0.00459	2	1	30.4	0
P12163_1_F5,13997	R.ASAIGLK.I	1267.819	0.00719	3	1	27.8	0
P12163_2_F2,14811	R.ASAIGLK.I	1267.819	0.00287	3	1	29.5	0
P12163_1_F3,23152	K.AIELFAFDTVNK.H	1976.131	0.00245	3	1	30.3	0
P12163_1_F3,25708	K.AIELFAFDTVNK.H	1976.131	0.00161	3	1	44.1	0
P12163_1_S1,15929	R.TAVAPLETIR.T	1374.826	0.0002	3	1	31.4	0
P12163_1_F4,12660	K.DVSDSIQAK.Y	1570.89	0.00735	2	1	29	0
P12163_1_F5,19348	K.SFAFQLAK.T	1519.909	0.00666	3	1	24.6	0
P12163_1_F5,19373	K.SFAFQLAK.T	1519.909	0.00865	2	1	35.6	0
P12163_2_F1,12615	K.VIATPNAK.T	1421.894	0.00156	2	1	32.9	0
P12163_1_F3,20036	R.SDIVITPVIK.Q	1693.072	0.00817	2	1	34.5	0
P12163_1_F3,20040	R.SDIVITPVIK.Q	1693.072	0.00596	3	1	23.6	0
P12163_2_F1,14599	K.SLGDFK.E	1274.756	0.00249	3	1	23.3	0
P12163_2_F7,15934	K.VAVSFTHVIK.S	1709.057	0.01029	3	1	35.7	0
P12163_2_S5,16734	K.VAVSFTHVIK.S	1709.057	0.00444	3	1	24.5	0
P12163_1_F3,11232	K.QQENVLAESR.M	1477.791	0.00186	2	1	38.2	0
P12163_1_F4,24710	R.LESALAEK.A	1581.967	0.00636	3	1	36.6	0
P12163_2_F1,24000	R.LESALAEK.A	1581.967	-0.0012	3	1	32.3	0
P12163_1_F4,14485	R.EGNIVTQVK.T	1595.958	0.00976	3	1	27.3	0
P12163_2_F1,13477	R.EGNIVTQVK.T	1595.958	0.00841	2	1	35.9	0
P12163_1_F4,18169	R.LQSVDFEAGQK.L	1887.043	0.00874	2	1	48.3	0
P12163_1_F4,20476	K.GMAGSQALIAK.S	1768.061	0.00855	3	1	33.8	0
P12163_2_F1,19879	K.GMAGSQALIAK.S	1768.061	0.00201	3	1	35.7	0
P12163_2_F1,22932	K.LSFQTDWLK.A	1746.005	0.00238	2	1	24.6	0

P12163_2_F1,11597	K.EVDGIK.V ! K.EVDGLI	1268.767	0.00441	3	1	23.8	0
P12163_1_F5,7531	K.NSAEQTVK.E	1484.853	0.01286	2	1	24.9	0
P12163_2_F2,8421	K.NSAEQTVK.E	1484.853	0.00632	2	1	27.7	0
P12163_1_F9,9069	R.QAAINVHR.G	1212.711	0.00364	3	1	40.8	0
P12163_1_F8,16419	R.SQLDQLHTEFETTR.A	2009.024	0.00038	2	1	54.4	0
P12163_2_S5,15758	R.SQLDQLHTEFETTR.A	2009.024	0.0066	3	1	34.1	0
P12163_2_F1,24462	K.SILSLLPK.F	1478.977	0.00641	2	1	38.5	0
P12163_2_F1,24465	K.SILSLLPK.F	1478.977	0.00504	3	1	39.9	0
P12163_2_S5,12386	K.TSTVSEADDGNASSVK	2700.426	0.00562	4	1	46.7	0
P12163_1_F5,19686	R.GFTLEELK.A	1544.914	0.00566	2	1	37.2	0
P12163_1_F5,19709	R.GFTLEELK.A	1544.914	0.00464	3	1	31.2	0
P12163_1_F2,13793	R.SLEGLQSNVQR.L	1534.849	0.00028	2	1	25.2	0
P12163_1_F7,19457	K.SLGVDHVVDLSNESVI	2702.518	-0.00581	3	1	24.5	0
P12163_1_F4,24601	R.ELLWAAK.G	1551.972	0.00977	2	1	24.5	0
P12163_2_F1,23915	R.ELLWAAK.G	1551.972	0.01087	2	1	31.1	0
P12163_2_F7,14527	R.LHIEVIR.T	1183.746	0.00285	3	1	31.2	0
P12163_1_F2,7566	R.TGGPAAA AVGSR.L	1318.738	0.00505	3	1	40.3	0
P12163_1_F2,9346	R.TGGPAAA AVGSR.L	1318.738	0.00329	2	1	36	0
P12163_1_S1,12971	K.GNPIEESDITR.L ! R.GN	1534.801	0.00298	2	1	40.2	0
P12163_1_F8,20925	R.LHPAVPLLIPR.K ! R.LI	1529.983	0.00367	3	1	22.8	0
P12163_2_F6,20544	R.LHPAVPLLIPR.K ! R.LI	1529.983	0.00181	3	1	25.4	0
P12163_1_F4,19277	R.LELEQTIGK.C ! R.LELI	1638.989	0.00645	3	1	23.1	0
P12163_1_F8,20925	R.LHPAVPLLIPR.K ! R.LI	1529.983	0.00367	3	1	22.8	0
P12163_2_F6,20544	R.LHPAVPLLIPR.K ! R.LI	1529.983	0.00181	3	1	25.4	0
P12163_1_F3,24097	K.DFMIQAGDFLK.G	1893.04	0.00727	3	1	38.6	0
P12163_1_F4,7410	K.TAENFR.Q ! K.TAENFF	1041.563	0.00249	3	1	33.7	0
P12163_2_F2,7039	K.TAENFR.Q ! K.TAENFF	1041.563	0.00225	3	1	31.4	0
P12163_2_F7,18501	K.SVFM*FNALSEDEKK.	2573.405	0.01139	4	1	29	0
P12163_1_F3,23337	K.SVFMFNALSEDEK.K	2125.11	0.00846	3	1	33.9	0
P12163_1_F3,23351	K.SVFMFNALSEDEK.K	2125.11	0.0159	2	1	52.8	0
P12163_1_F7,22078	K.FFLASSPPDVPLNFHK.	2424.354	0.00439	4	1	26.6	0
P12163_2_S5,21035	K.FFLASSPPDVPLNFHK.	2424.354	0.00354	3	1	36.2	0
P12163_2_F7,9637	R.DPHVTLR.C	1141.663	0.00273	3	1	24.6	0
P12163_1_S1,19585	K.LITPSILSDR.L	1418.852	-0.00045	3	1	50.4	0
P12163_1_F5,15424	K.LLSEAPK.Y ! K.LLSEA	1365.856	-0.0032	2	1	26.3	0
P12163_2_F1,15725	K.LLSEAPK.Y ! K.LLSEA	1365.856	0.00027	3	1	26.8	0
P12163_2_F2,8985	R.QGNIGAAK.L	1366.826	0.00267	2	1	29	0
P12163_1_F4,18389	R.VVLLNTK.N	1394.919	0.00522	2	1	29.3	0
P12163_2_F1,17783	R.VVLLNTK.N	1394.919	0.00046	3	1	28.8	0
P12163_1_F9,18336	R.HPFILAIR.D	1270.794	-0.00012	3	1	23	0
P12163_2_F7,16099	R.HPFILAIR.D	1270.794	0.00157	3	1	22.8	0
P12163_2_F6,22085	R.VLEHEVEFWNM*SR.G	1995.99	0.00208	3	1	21.9	0
P12163_1_F3,25097	K.ILFLGLDNSGK.T	1785.073	0.00753	2	1	29.4	0
P12163_1_F7,16040	R.LVQHQPQTQYPTSEELS	2763.514	0.0053	3	1	71.5	0
P12163_2_F10,1510	R.LVQHQPQTQYPTSEELS	2763.514	0.00551	4	1	22.5	0
P12163_1_F6,5447	K.ATQEEGHSTTR.L	1520.761	0.00502	3	1	24.3	0
P12163_2_F7,4417	K.ATQEEGHSTTR.L	1520.761	-0.0029	3	1	24.4	0
P12163_1_F4,5765	K.EAEENER.K	1180.575	-0.00199	2	1	26.6	0
P12163_1_F4,20243	K.EAFEVFCNK.G	1751.925	0.00818	3	1	22.3	0
P12163_2_F1,19634	K.EAFEVFCNK.G	1751.925	0.01707	2	1	31.5	0
P12163_2_F9,4612	R.SANDDHER.S ! K.SANI	1247.592	0.0025	3	1	51.9	0

P12163_2_F6,16076	R.GQIFLGCDNHPLSR.Q	1917.991	-0.00362	3	1	47.4	0
P12163_2_F6,16102	R.GQIFLGCDNHPLSR.Q	1917.991	-0.00122	2	1	35.2	0
P12163_1_F4,22065	R.QEIMDLVAK.S	1654.966	0.00513	3	1	25	0
P12163_1_F4,10157	K.AEVNEASSAK.R	1613.895	0.01046	3	1	40.5	0
P12163_2_F1,9239	K.AEVNEASSAK.R	1613.895	0.00641	2	1	47	0
P12163_2_F2,17993	R.ACYPFK.L	1506.86	0.00328	2	1	25.8	0
P12163_1_F2,8462	K.TTSTALVDR.F	1267.716	0.00326	3	1	33.2	0
P12163_1_F2,10715	K.TTSTALVDR.F	1267.716	-0.00248	2	1	27.4	0
P12163_2_F2,11970	R.QQYGLAK.S	1415.847	0.00652	3	1	28.2	0
P12163_2_F6,18279	K.EPWLLNHGDFER.L	1816.928	-0.00268	3	1	28.4	0
P12163_2_F6,18291	K.EPWLLNHGDFER.L	1816.928	-0.00044	2	1	34.7	0
P12163_1_F4,18818	R.MLVCVAGK.D	1485.874	0.00524	2	1	25.7	0
P12163_1_F3,25187	K.GGIEFLELCGFEK.T ! K	2107.135	0.00207	3	1	43.7	0
P12163_1_S1,23814	K.IEGGEFLFLPR.E	1581.894	0.00022	3	1	33.3	0
P12163_1_S1,23839	K.IEGGEFLFLPR.E	1581.894	0.00181	2	1	26.8	0
P12163_1_F7,17783	K.INIIDTPGHSDFGGEVE	2260.151	0.00756	3	1	43	0
P12163_1_F7,14597	R.NIAIIAHVDHGK.T	1896.128	0.00197	4	1	22.4	0
P12163_1_F7,14631	R.NIAIIAHVDHGK.T	1896.128	0.00776	3	1	30.5	0
P12163_1_F4,20277	K.QPNTGLFVGLNK.G	1896.116	0.00702	3	1	33.3	0
P12163_2_F1,19727	K.QPNTGLFVGLNK.G	1896.116	0.00552	3	1	23.6	0
P12163_1_F4,17629	R.EVAGFAPYEK.R ! R.EV	1718.957	0.00934	2	1	24.2	0
P12163_1_F7,20866	R.ESYDM*LGILYDNHPR	2143.043	0.00252	3	1	42.1	0
P12163_2_S5,20400	R.ESYDMLGILYDNHPR.I	2127.048	0.00852	3	1	24.1	0
P12163_2_F2,22869	R.LSAWLVK.H	1424.909	0.0024	2	1	26	0
P12163_1_F5,23809	R.LLAYLSK.K	1415.908	0.00589	2	1	32.1	0
P12163_1_F6,13785	R.LTSHLELHR.K	1409.817	0.00232	3	1	40.2	0
P12163_2_F6,12984	R.LTSHLELHR.K	1409.817	0.00358	3	1	43.9	0
P12163_2_F1,17886	K.ATGCNVLLIQK.S	1825.083	0.00123	2	1	41.5	0
P12163_1_F9,10928	R.HAQGEINSGINVR.K	1698.919	0.0047	3	1	40.6	0
P12163_2_F7,10186	R.HAQGEINSGINVR.K	1698.919	0.00236	3	1	22.6	0
P12163_1_F7,20771	R.GPTILFFQENAGNIAHF	2189.177	0.00391	3	1	50.7	0
P12163_1_F8,21252	R.SIQEFLAEHVR.K	1632.901	-0.00018	3	1	32.8	0
P12163_2_F6,20888	R.SIQEFLAEHVR.K	1632.901	0.00045	3	1	39.7	0
P12163_1_F7,22238	K.LGAELSAPAWIVHTVF	2024.159	0.00405	3	1	60.7	0
P12163_1_F5,4791	R.RQQSPASADG.-	1320.681	0.00366	2	1	34.6	0
P12163_2_S3,5318	R.RQQSPASADG.-	1320.681	-0.00176	2	1	32	0
P12163_2_F2,13989	K.NSVIQINNK.L	1637.979	0.00103	2	1	25.2	0
P12163_1_F3,16521	R.AFVEQYEPQDK.S	1962.043	0.00761	2	1	32	0
P12163_1_F3,16546	R.AFVEQYEPQDK.S	1962.043	0.00721	3	1	23.3	0
P12163_2_F6,20430	R.AHIFLLEYPDAK.G	2025.163	0.0044	3	1	56.4	0
P12163_2_F7,18485	R.AHIFLLEYPDAK.G	2025.163	0.0055	4	1	29.6	0
P12163_1_F3,18732	R.VVYTSSNAAVFYNDK	2286.223	0.00268	3	1	31.3	0
P12163_1_F9,8169	K.ELPPHR.L	1052.615	0.0046	3	1	28.6	0
P12163_1_F2,18107	K.IIAVCADDPEYK.H	2002.078	0.00611	2	1	25.9	0
P12163_1_F2,18145	K.IIAVCADDPEYK.H	2002.078	0.00805	3	1	25.7	0
P12163_1_F3,18013	R.NYTLMQPLPQDCK.L	2216.166	0.00948	3	1	40.2	0
P12163_1_F3,18042	R.NYTLMQPLPQDCK.L	2216.166	0.00279	2	1	37.9	0
P12163_1_F2,8984	R.VEVDDR.K	1036.558	0.00079	2	1	32.4	0
P12163_1_F8,11968	K.DATNDFEDVGHSDSAI	2039.921	0.00684	3	1	51	0
P12163_2_S5,11928	K.DATNDFEDVGHSDSAI	2039.921	0.00174	3	1	45.7	0
P12163_1_F6,15578	K.IHQFEEVATHNK.T	2061.134	0.00809	3	1	41.1	0

P12163_1_F8,15875	R.ACGLATHFVPSR.L	1706.895	0.00733	3	1	23.5	0
P12163_1_F3,27233	R.ADAWISDAIQLK.K	2026.143	0.01309	3	1	45.7	0
P12163_1_F9,16242	R.EHIPLFR.L	1215.715	0.00379	3	1	38.5	0
P12163_2_F1,22218	R.LLLDDLK.Q	1437.914	0.00396	2	1	30.3	0
P12163_2_F1,12870	K.ALGSSSIDAK.G	1556.91	0.00681	2	1	36	0
P12163_1_F2,11836	R.QTISDNFSVR.Q	1470.785	0.00343	3	1	23.4	0
P12163_1_F2,23177	K.SAIDSVALLQSTLTK.V	2155.279	0.00802	3	1	31.9	0
P12163_1_F3,22672	K.YILELQPAIK.G	1796.114	0.00191	2	1	33.5	0
P12163_2_F4,18520	K.AM*LPEIVQAGDPVLF	2363.269	0.00108	3	1	29.8	0
P12163_1_F5,12678	K.EYISYQSK.E	1625.899	0.00408	2	1	24.5	0
P12163_1_S1,18425	K.SFIAMVAMPPR.N	1392.797	0.00292	3	1	39.6	0
P12163_1_F2,10747	K.TVAVEVVR.L	1176.725	-0.00247	2	1	25.2	0
P12163_1_F3,10576	K.NENSAVLAGGCGAR.I	1679.844	-0.00196	2	1	31.9	0
P12163_2_F1,22587	R.ISSLLCSNDLK.T	1858.056	0.00318	2	1	44.5	0
P12163_1_F2,12642	K.YEESLQDAR.D	1414.712	0.00323	2	1	23.9	0
P12163_1_F7,20883	R.QSLLDHITVQLAPR.A	1895.102	0.00143	3	1	26.9	0
P12163_1_F4,12285	K.VAVCSAATK.S	1514.882	0.00534	2	1	24.5	0
P12163_2_F6,16736	R.QAYNDAFSHFNVR.C	1872.929	-0.00111	3	1	37	0
P12163_1_F2,18582	K.DPITQAAALAQK.N	1835.085	0.00396	3	1	31.9	0
P12163_1_F4,15532	K.TSDFIDGAK.Q	1561.868	0.00641	2	1	25.4	0
P12163_2_F7,10446	K.AHFTAPSSVR.R	1376.759	0.00026	3	1	23.7	0
P12163_1_F9,17413	K.WVIHIER.I	1256.742	0.0051	3	1	33.7	0
P12163_2_F7,6251	K.TIQDHADR.Y	1259.665	0.0005	3	1	22.3	0
P12163_1_F7,16385	R.VFHADPVVLHYR.N	1756.98	0.00516	4	1	45.8	0
P12163_1_F9,10219	R.ALEVHPR.L	1125.668	0.0001	3	1	32.3	0
P12163_1_F3,27353	R.LPLITIFDSK.H	1755.088	0.00533	3	1	25.1	0
P12163_1_S1,22564	K.ETLTNVVIPTFDIK.L	2198.289	0.00481	3	1	30.6	0
P12163_1_S1,21701	K.LLQPVIFSTTDGK.E	2027.2	0.00521	3	1	29.9	0
P12163_1_F3,12139	K.FDEVASR.L	1127.6	0.00198	3	1	25.3	0
P12163_1_F9,13692	R.ASHILIK.H	1389.904	0.00822	2	1	28.2	0
P12163_2_F2,15051	K.TVSLCVK.R	1414.855	0.00228	2	1	25	0
P12163_2_F1,16881	R.LVYTNENGEIVK.G	1987.132	0.00683	2	1	41.8	0
P12163_1_S10,1570	R.HFLDLR.K	1104.647	0.00619	3	1	30.9	0
P12163_2_S5,11749	R.ICGHVHFER.L	1458.758	-0.0002	4	1	28.5	0
P12163_1_S1,22716	K.SVLADTVIVATGAVAI	2123.29	0.00635	3	1	38.5	0
P12163_1_F8,22973	K.VSGLFFAIGHEPATK.F	2182.248	0.00737	3	1	50.5	0
P12163_2_F1,9304	K.AGQDDAIK.V	1425.816	0.00773	2	1	36.7	0
P12163_2_F1,14556	K.TCNAALLETGK.S	1887.047	0.00265	2	1	59.5	0
P12163_1_F9,5728	K.ACQTHGNLR.S	1360.706	0.00471	3	1	28.9	0
P12163_1_F9,6347	R.DDEAEHCK.T	1611.789	0.00523	2	1	31.9	0
P12163_1_F7,17807	K.GGTVVNDEEPTLEQLC	2848.497	-0.00084	3	1	71.5	0
P12163_2_F6,15425	R.AYPFHEIEPK.W	1839.026	0.006	3	1	24.9	0
P12163_1_F3,13088	K.EEGPAPVPTPAK.V	1801.032	0.00991	2	1	30.1	0
P12163_1_F5,20265	K.GNWLDLQYK.E	1744.984	0.00335	2	1	28.9	0
P12163_1_F5,22435	K.FGEAVWFK.A	1591.909	0.00903	2	1	27.2	0
P12163_2_F7,12289	R.ELEVIHCR.W	1359.736	0.00324	3	1	27.1	0
P12163_1_F2,19332	R.GVEDIILR.S	1218.736	0.00319	2	1	26.8	0
P12163_2_F1,13813	R.SAQMGQIVEK.V	1698.967	-0.0048	2	1	35.8	0
P12163_1_F7,18727	K.EAAAALAAIEAQHR.	1854.013	-0.00407	3	1	37.5	0
P12163_1_F3,25327	K.VAEVFTAIGYK.H	1806.062	0.00967	3	1	27.3	0
P12163_1_F4,12269	K.IQNNPVTDTK.L	1867.038	0.00398	2	1	33.5	0

P12163_1_S1,21865	K.VSSSSNNEAHSIFGR.I	1985.06	-0.00015	3	1	44.5	0
P12163_2_F7,17538	K.HNFGAELLQLR.N	1601.906	0.00394	3	1	36.5	0
P12163_2_F1,6191	R.AEAAAAR.K	963.5524	0.00182	2	1	29.3	0
P12163_2_F7,19432	K.EAHLFFLEGMK.N	1930.072	-0.00044	3	1	26	0
P12163_1_F7,21781	K.EILLTPGENFLVVTHK.	2418.422	0.0024	3	1	45.8	0
P12163_1_F7,22651	K.ESQSSFALFVNSLPHI	2307.24	-0.0002	3	1	45.4	0
P12163_1_F8,20568	K.IFAGETLLHDR.K	1575.88	0.0027	3	1	51.1	0
P12163_1_S1,22359	K.YADAATFLLR.W	1444.81	0.00408	3	1	50.6	0
P12163_1_F4,11898	R.SQPASDALAK.A	1595.921	0.0076	2	1	25.5	0
P12163_1_F3,14642	K.IDIPR.V ! K.IDLPR.G !	917.5721	0.00308	2	1	25.5	0
P12163_1_S1,24338	K.LAVLLLSGGQGTR.L	1588.969	0.00022	3	1	22.6	0
P12163_2_F1,19019	K.LFDQISK.L	1458.878	0.00624	2	1	25.8	0
P12163_1_S1,22608	K.LTETFMSLSER.L	1617.846	0.00033	2	1	25	0
P12163_1_F8,12928	K.KDDEINSETEQNDLSV	2729.369	0.00729	3	1	45.8	0
P12163_1_S1,15845	K.VTIQEPTFDR.I	1509.821	0.00478	2	1	26	0
P12163_1_F4,24096	K.ALLAEYLAAQK.R	1799.089	0.00934	2	1	48.8	0
P12163_1_F4,25393	R.LLPLLAK.S	1375.95	0.0082	3	1	29.2	0
P12163_1_F9,7006	R.AEICHGER.L	1275.642	0.00267	3	1	29.5	0
P12163_1_F9,19468	R.HIEDFWK.K	1695.968	0.00316	3	1	30.8	0
P12163_1_S1,22421	K.GPLGELSLVYPR.E	1604.931	0.00294	2	1	27.8	0
P12163_1_F3,7534	K.VNVEENTR.I	1264.68	0.0025	3	1	25.8	0
P12163_2_S5,21909	K.IPLTELLPHK.I	1882.199	0.00371	3	1	28.9	0
P12163_1_F9,16071	K.ITLHLK.V ! K.ITLHLK.	1332.882	0.00619	3	1	29.9	0
P12163_2_F1,16744	K.ITFPEK.G	1342.819	0.00417	3	1	23.5	0
P12163_1_F3,14628	R.DGNDLIVTQK.I	1710.985	0.00324	2	1	39	0
P12163_2_F1,18309	R.GAFEWSVQK.I	1659.931	0.00526	2	1	43.1	0
P12163_2_F6,23744	R.GLHLLLEYFVNR.C	1664.943	0.00106	3	1	26	0
P12163_1_F3,20007	K.NVPYVFVPSK.Q	1758.041	0.00383	2	1	29.6	0
P12163_2_F2,13373	K.TQIQQLK.D	1466.915	0.00641	2	1	27.9	0
P12163_1_S1,17919	K.EGDTVLLPEYGGAEVI	2285.248	0.00602	3	1	43.3	0
P12163_1_S10,1607	K.RLIPAFSR.V	1263.784	0.00344	3	1	30.3	0
P12163_1_S1,22213	K.SSILNALVGEDR.T	1577.88	0.00166	2	1	29.8	0
P12163_1_F8,17883	K.TTIGNVPEHLLPR.V	1751.012	0.00051	3	1	36.6	0
P12163_1_F4,13434	K.AEFQDSSVEK.I	1747.932	0.00273	2	1	28.5	0
P12163_1_F3,25418	K.VLPQALALIK.S	1674.114	0.00795	3	1	49.2	0
P12163_1_F4,19379	K.AIGPQALDLK.L	1634.01	0.00801	2	1	39.4	0
P12163_2_S5,16325	R.YTIYSPLDDQPCADHD	2370.097	0.00212	3	1	39.2	0
P12163_1_F9,13592	K.LLHEGIR.F	1141.699	0.0039	3	1	25	0
P12163_1_F9,17481	K.VVQFLHR.Q	1202.731	0.00578	3	1	32.6	0
P12163_1_S1,20814	R.AAGALALAPLVDR.G	1541.932	0.00424	3	1	62.8	0
P12163_2_F2,22500	R.GLSWFTVK.F	1545.925	0.0021	3	1	22.2	0
P12163_2_F8_12070	K.AVLHPTGPLFDQESQA	2812.593	0.00749	4	1	24.6	0
P12163_1_F3,18717	R.EIETCIECSALK.Q	2061.082	0.00322	3	1	36.5	0
P12163_1_F4,12597	K.ITEEAEQK.R	1555.879	0.00298	2	1	25	0
P12163_1_F7,19581	R.DRPLSSPESLQLYLD'	2409.256	-0.00111	3	1	49.4	0
P12163_1_S1,11822	K.TGPSLADA AVGR.I	1418.79	0.00127	3	1	43	0
P12163_1_F4,22742	K.VVIPLSQLK.A	1605.056	0.0031	3	1	23.6	0
P12163_1_S1,16322	K.APSVDISALR.E	1332.779	0.00478	2	1	31.2	0
P12163_2_F8_12070	R.HVLYQQYK.E	1686.979	0.00529	3	1	36.4	0
P12163_1_F6,14892	K.FYHPDVYDGR.G	1572.775	0.01158	2	1	32.3	0
P12163_1_F9,12675	R.HTLVLK.K	1318.867	-0.00032	3	1	23.8	0

P12163_2_F6,14924	K.HVIDLANTVR.R	1441.843	0.00361	3	1	39.1	0
P12163_1_S1,12018	K.QIIQAEGPSGPNR.D	1670.913	0.00403	3	1	30.8	0
P12163_2_F1,23654	K.AMFEEWIAK.Q	1732.955	0.00574	3	1	26.1	0
P12163_2_F1,20029	R.NWLHDGLVMNN.-	1616.816	0.00218	2	1	45.6	0
P12163_2_F1,8102	K.EASAPEK.T	1339.768	0.00513	2	1	24	0
P12163_2_F6,15155	K.TKEDVVVAADSVEK.V	2402.391	0.00713	3	1	33	0
P12163_1_F2,19498	K.VVIDAFR.L	1123.678	-0.00015	2	1	26	0
P12163_1_S1,19086	R.AVAVVVDPIQSVK.G	1933.194	0.00917	3	1	48.5	0
P12163_2_F6,20005	K.GQHFELLPFGGGR.R	1718.928	-0.00201	3	1	23.2	0
P12163_2_F6,22384	R.ATPLEILLKPR.L	1859.194	0.00388	3	1	31.9	0
P12163_1_F4,15323	K.AANFIER.L	1124.637	0.00152	2	1	25.1	0
P12163_1_F3,24685	R.GYLTSAFFTTGLK.V	2014.147	0.00374	3	1	32.4	0
P12163_1_F3,25203	K.LPLVGLISK.C	1548.034	0.00518	3	1	30.3	0
P12163_1_F3,23690	R.NLILSDIGLAEK.R	1894.147	0.00678	3	1	37.2	0
P12163_1_F9,8576	K.HECLVDDR.F	1347.663	0.00303	3	1	31.6	0
P12163_1_F4,20412	R.NTLNYLTAASAVK.D	1974.148	0.00259	3	1	27.2	0
P12163_2_F6,19917	K.GQHFELIPFGAGR.R	1732.944	0.00339	3	1	32	0
P12163_1_F3,23666	R.FIDSPIDFK.G ! R.FLDS	1689.967	0.00644	2	1	35.2	0
P12163_1_F3,25770	K.EVISLIFDK.A	1672.014	0.00663	3	1	30.8	0
P12163_1_F3,24661	K.LILAGGLDFK.V	1655.035	0.00317	3	1	28.8	0
P12163_2_S5,15370	K.VAGIPIATTEEHR.N	1798.996	0.00217	3	1	28.6	0
P12163_1_F5,17892	R.FAAEQFVK.K	1547.904	-0.00171	2	1	28.7	0
P12163_1_F3,17942	K.TMGPVPLPTK.K	1648.992	0.00208	2	1	35.3	0
P12163_2_F8_12070	R.FHFEIR.T	1152.647	0.00271	3	1	26.7	0
P12163_1_F4,27805	K.FLLALTGVK.A	1570.019	0.00545	2	1	40.5	0
P12163_1_F3,23666	R.FIDSPIDFK.G ! R.FLDS	1689.967	0.00644	2	1	35.2	0
P12163_2_F6,19474	K.TVFGQYGELVHVK.L !	2085.195	0.00705	3	1	24.9	0
P12163_1_F5,20308	R.LLSLAQK.S	1380.903	0.00892	2	1	24.3	0
P12163_1_F4,12865	K.ATNIDDVDK.T	1598.885	0.00551	2	1	43.1	0
P12163_1_F4,24873	K.LNETLEM*LEK.K	1844.029	0.0055	3	1	30	0
P12163_1_F5,12152	K.QLLEQNK.Q ! R.QLLEQ	1480.894	0.00909	3	1	28.3	0
P12163_1_F3,15185	K.QYIQEPPTVEK.C	1940.095	-0.00432	2	1	31.9	0
P12163_1_F7,20914	K.FETELNTLHPILSECR.V	2263.169	0.00404	3	1	53.8	0
P12163_2_F6,17530	R.YCTDHLELFR.Q	1657.831	0.00019	3	1	39.1	0
P12163_2_S5,20913	K.VLPYFHFYR.G	1545.852	0.00278	3	1	24.8	0
P12163_2_F6,18199	R.TAEHPEIVFLK.V	2021.153	0.01038	2	1	29.3	0
P12163_2_F6,19734	K.LVFVDFHSR.A	1423.8	0.00043	3	1	31.7	0
P12163_2_F6,16422	K.RDGSTLGEIVLR.G	1619.938	-0.00128	3	1	45.8	0
P12163_1_F4,16556	K.ALAETGGDIVK.A	1681.994	0.00875	3	1	60.7	0
P12163_2_F6,15079	R.EDLISKPENIR.E	1922.117	-0.00395	2	1	26	0
P12163_1_F4,16556	K.ALAETGGDIVK.A	1681.994	0.00875	3	1	60.7	0
P12163_1_S1,19476	K.DISSFLDER.D	1385.721	0.00663	2	1	28.2	0
P12163_1_S1,21822	K.LDDVVNYIR.R	1410.789	0.00629	2	1	42.8	0
P12163_2_F1,17247	K.TAEFVISK.L	1502.904	-0.00224	2	1	24.3	0
P12163_2_F1,19765	K.FSPASLNIGAK.T	1713.015	0.00165	3	1	29.1	0
P12163_1_F7,19241	K.YPLVPGHEIVGIVK.E	2129.294	0.00659	3	1	34.3	0
P12163_1_S1,23659	R.LDNEDLILGYISGK.I	2158.222	0.00464	3	1	26.6	0
P12163_1_F5,6028	R.SSEEGANSEK.W	1645.849	0.00734	2	1	39.7	0
P12163_1_F4,13185	K.AAAAAASDVAK.A	1553.911	0.00874	3	1	36.9	0
P12163_1_F3,16848	K.ITEVGEDEIK.A	1740.984	0.00559	2	1	35.9	0
P12163_1_S1,16274	K.GETFGEIVGLAR.A	1552.864	-0.00148	3	1	28	0

P12163_1_S1,13013	K.VNTLAEGVALAR.E	1517.895	0.00441	3	1	37.5	0
P12163_1_F9,6599	K.VQHPGVR.D	1096.653	0.0027	3	1	23.6	0
P12163_1_F5,15757	R.AAEIYAGYK.I ! R.AAE	1593.91	0.00531	3	1	32	0
P12163_1_F3,20063	K.LTNEDVILYSAK.V	1974.137	0.00285	3	1	28.1	0
P12163_1_F3,18036	K.VEDIDAYAPK.D	1728.963	-0.00046	2	1	26.6	0
P12163_2_F2,13472	K.NQLAIAK.R	1365.867	0.00795	2	1	27.1	0
P12163_1_S1,16044	R.ENQNLTDPESISSAYAI	2661.346	0.0106	3	1	42.2	0
P12163_1_F6,13648	K.ALHHIDLEK.L	1684	0.00798	2	1	47.7	0
P12163_2_F1,14795	R.GPVIQSPIR.S	1270.778	0.00624	2	1	27.2	0
P12163_2_F1,22121	K.AMVEELK.N ! K.AM	1540.923	0.00716	2	1	25.5	0
P12163_1_F3,23580	K.EFPELLSIK.D ! K.EFPE	1684.014	0.0022	3	1	23.1	0
P12163_1_F2,13313	R.AAMEMQAEAEER.K	1540.74	0.00677	2	1	61.7	0
P12163_1_F9,11943	R.QAHINIADGK.K	1674.975	0.00895	3	1	25.3	0
P12163_2_S3,14311	K.GILSSYDHASIR.R	1622.88	-0.00068	3	1	28.1	0
P12163_1_S1,16062	R.DLVGVAYTEDETK.A	2048.101	0.01124	3	1	76.5	0
P12163_1_F4,24718	K.AFIFVVGK.Q	1488.94	0.00697	3	1	25.6	0
P12163_1_F8,18792	R.VLPFHAALDQETR.L	1800.991	0.00571	3	1	34.2	0
P12163_2_F4,19936	R.LVLLPFEHHVYAAR.E	1969.132	0.00217	4	1	26.7	0
P12163_2_S5,20807	R.SLLPLVELARPEEK.L	2289.364	0.00464	4	1	22.8	0
P12163_2_F9,20179	K.HVLGEFLEFK.G	1827.062	0.00313	3	1	45.8	0
P12163_1_F2,15629	K.TSMFGLAPSR.L	1370.74	0.00583	3	1	25	0
P12163_1_F4,21053	R.FVDSCIDFK.G	1738.929	0.01439	2	1	35.3	0
P12163_1_F7,20877	R.FYQELIDEHLDPNR.T	2093.06	0.0033	3	1	41.9	0
P12163_2_F6,19917	K.GQHFELIPFGAGR.R	1732.944	0.00339	3	1	32	0
P12163_1_F4,21053	R.FVDSCIDFK.G	1738.929	0.01439	2	1	35.3	0
P12163_1_F4,17217	K.ALSITQSVQK.Y	1683.026	0.0053	2	1	42.2	0
P12163_2_F1,8168	K.SGASDDVCSK.L ! K.SC	1633.831	0.00118	2	1	24.2	0
P12163_1_F3,17905	K.ALAVLR.S ! K.ALAVLI	946.6351	0.00409	2	1	24.4	0
P12163_2_F1,18837	K.IESIDSLK.N	1512.909	0.00686	2	1	31.8	0
P12163_1_F7,19250	K.HQGPLPPPPEVDDVLL	2183.213	0.00104	3	1	22	0
P12163_1_F2,8997	R.AEEEEVEER.I	1294.643	0.00058	2	1	36	0
P12163_2_S5,13546	K.GPDVHYDEPLGSSNEA	3046.533	0.00696	4	1	54.9	0
P12163_2_F6,10943	R.TADTAIHSGEVEK.G	1966.07	0.00513	3	1	30.9	0
P12163_1_F2,15714	K.DFLLTAR.R	1139.673	0.00536	3	1	24.7	0
P12163_1_F9,10383	K.QIHEIK.D	1375.852	0.00959	3	1	22.9	0
P12163_2_F6,17512	K.DAQALFHSLR.S	1461.812	0.00247	3	1	44.1	0
P12163_2_F1,13767	R.SAYAATPTTLK.I	1732.01	0.00316	2	1	33.2	0
P12163_1_F9,8169	K.ELPPHR.L	1052.615	0.0046	3	1	28.6	0
P12163_1_F7,11387	K.TPVSQPPAHPPLNER.I	1944.06	0.00287	3	1	24.1	0
P12163_1_F3,19663	K.FSLGLTEEDAK.N	1818.01	0.0069	2	1	53.7	0
P12163_1_F4,8248	K.NSPFVQR.H	1151.647	0.00346	3	1	35.2	0
P12163_1_F3,17119	K.FGGVASDEVVGEK.V	1902.043	0.00666	2	1	55.1	0
P12163_1_F3,19332	K.IAMTAPVITK.S	1653.023	0.00893	3	1	36.4	0
P12163_1_S1,21826	R.GGGGSGFIPIAEYGA	2146.087	0.00272	3	1	50.9	0
P12163_2_F8_12070	R.NHYDLLF.-	1225.652	0.00289	2	1	33.8	0
P12163_1_F2,20839	K.DTTISTLANEVTGK.L	2058.154	0.0057	3	1	33.7	0
P12163_1_F3,26291	R.VGVLLGSSF.K.G	1714.072	-0.0005	3	1	28	0
P12163_2_F6,8399	K.AADTLHQEER.S	1473.76	0.00063	2	1	32.3	0
P12163_1_F4,22870	K.ELLQLEEDVK.L	1824.057	0.00628	2	1	38.2	0
P12163_1_F4,21439	K.DYSAITLLK.K	1631.983	-0.00282	2	1	33.8	0
P12163_1_F3,24158	K.FTMFNPNFVR.Q	1576.825	0.00319	2	1	27.8	0

P12163_2_S5,16600	K.QVVGLDLVDDESKPEI	2407.329	-0.003	3	1	27	0
P12163_2_F1,23303	R.LLLLEQK.F	1464.961	0.0054	2	1	30.2	0
P12163_2_F6,11109	K.GPPVTPLHER.M	1406.806	0.00026	3	1	33.1	0
P12163_1_F7,22100	R.GLGDFLLVGIHNDQTV	2592.461	-0.00025	3	1	56.2	0
P12163_1_F7,21613	R.EVLVELELPHLQR.S	1879.095	0.00168	3	1	45.3	0
P12163_2_F1,15751	R.QILIEK.A ! K.QILLEK.I	1351.877	0.00587	3	1	23.9	0
P12163_1_F7,19279	R.ALGFLPEEGHGVYVAI	2019.096	0.00443	3	1	38.7	0
P12163_1_F3,28728	R.LEDLISVLSK.L	1725.062	0.00653	3	1	36.9	0
P12163_1_F2,13166	K.GESENLYEVR.L	1499.764	0.00874	2	1	28.7	0
P12163_1_S1,19037	K.TLVPDDEFTLAK.V	1957.11	0.01156	3	1	37	0
P12163_2_F6,10396	K.DAAVEIEHR.L	1343.722	0.0012	3	1	23.6	0
P12163_1_F7,23759	K.EVNDEEPLFPAFHFFK.	2574.349	0.00913	3	1	21.9	0
P12163_1_F6,10641	K.NHAAGVGGYAVDGC	1807.881	-0.00084	3	1	28	0
P12163_1_F7,17572	R.EFMASGEEGTAAALTC	2761.21	0.0084	3	1	63.1	0
P12163_1_F2,7801	K.CTAAASLDGER.K	1454.721	0.00382	3	1	27.6	0
P12163_1_F4,16624	R.QYCEISANLSK.K	1921.031	0.00426	3	1	42.3	0
P12163_1_F9,12015	K.HLVQDISR.A	1271.737	0.00243	3	1	25.8	0
P12163_2_F1,24192	R.VLNLGLLK.A	1477.993	0.00818	2	1	27.1	0
P12163_1_F3,25101	K.MELPPWTDIVK.T	1937.103	0.00481	3	1	45.5	0
P12163_1_F2,11595	R.DLDQVAGR.I	1177.648	-0.00008	2	1	24.6	0
P12163_1_F8,18490	K.VTEHIIPSFK.K	1779.062	0.00466	3	1	30.5	0
P12163_1_F3,27535	R.ALFLGIANVLK.E	1767.135	0.00464	3	1	30.7	0
P12163_1_S1,24246	R.FLQDAVTAIER.C	1566.879	0.00434	3	1	35.2	0
P12163_2_F1,17037	R.LVAEGIAEK.S	1537.941	0.00291	3	1	34.6	0
P12163_1_S1,9065	K.DTGETSGSVDVR.F	1526.76	0.00306	3	1	37.9	0
P12163_1_S1,15141	K.IVFPSPTR.R	1321.778	0.00058	3	1	25.6	0
P12163_2_F7,16760	K.KGSVDVMELELK.K	2260.335	0.01156	3	1	34.7	0
P12163_1_S10,1328	K.YNVVNPNDGHPLPESI	2525.336	0.01453	4	1	23.6	0
P12163_1_S1,11368	K.AALDQMSVEASR.T	1581.821	0.00472	3	1	33.7	0
P12163_2_F7,10243	R.TVHIGDDEK.A	1621.901	0.00519	3	1	30.1	0
P12163_1_S1,23081	K.DVVELLTSAADGAK.S	1997.137	0.01403	3	1	40.7	0
P12163_2_F6,21511	R.VLIPLHFK.L	1704.067	0.00127	3	1	28	0
P12163_1_F4,13793	K.EALEGNDVPAK.V	1750.979	0.01051	2	1	40.4	0
P12163_1_F3,13318	K.VLSTEQDPSAK.R	1783.006	0.00942	2	1	33	0
P12163_1_F4,14038	K.VNQSDGGVSLAK.E	1783.017	0.01252	2	1	26.8	0
P12163_1_S1,23039	R.TGPDDLVASILSK.V	1924.121	0.00454	3	1	28.8	0
P12163_1_S1,20376	K.LFTFDSDEGR.D	1490.743	0.00255	2	1	25.3	0
P12163_1_S1,21659	R.ISLFQSLQSEQQAR.L	1939.055	0.00045	3	1	33.2	0
P12163_1_F9,16780	K.QLGHLLVK.S	1515.983	0.0036	3	1	29.7	0
P12163_1_F4,11556	K.STSLQPEPK.D	1594.926	0.00444	2	1	26.6	0
P12163_1_S1,25015	K.GVPDDLVLFLDK.K	1939.136	0.01084	3	1	36.3	0
P12163_1_F9,10851	R.AAVHYAAAESK.H	1725.974	0.00916	3	1	33	0
P12163_1_S1,12573	K.GFDSSVGEDQVR.A	1599.792	0.00842	2	1	23.9	0
P12163_1_F4,12581	R.EAEDAIEK.L	1512.837	0.01168	2	1	39.3	0
P12163_1_S1,21873	K.LISGTGLQLLR.R	1474.926	0.00312	3	1	61	0
P12163_1_F3,27880	R.GVPVAINCLAALLK.E	2047.256	0.00623	3	1	26.1	0
P12163_1_F3,14151	K.SALLCIQR.L	1264.735	0.00561	3	1	33.1	0
P12163_2_S3,18447	K.YASFLQA.-	1103.604	0.00123	2	1	32.1	0
P12163_2_F1,7929	K.SSAAASSAASK.A	1646.917	0.00378	2	1	47.3	0
P12163_1_F9,8839	K.THNLQNPENK.R	1802.997	0.00814	3	1	29.6	0
P12163_1_F3,23580	K.EFPELLSIK.D ! K.EFPE	1684.014	0.0022	3	1	23.1	0

P12163_2_F1,9396	R.SNNELDASK.L	1585.864	0.00701	2	1	25	0
P12163_2_F1,21209	K.VDYLLGK.Q	1415.872	0.00455	2	1	28.2	0
P12163_1_F4,7336	R.TADGDEGGK.H	1457.769	0.00749	2	1	28.8	0
P12163_1_F4,19171	K.SISAISMEVK.E	1672.976	0.00101	2	1	37.2	0
P12163_1_S1,12768	K.TSPSPLPQTSTAVSPGS	2350.307	-0.00118	3	1	36.3	0
P12163_2_F6,15719	K.NLQLHPIQVK.S	1798.116	0.00541	3	1	22.7	0
P12163_1_F4,14896	R.DFQLTNSEGK.V	1860.991	0.01019	2	1	35.1	0
P12163_1_F8,15922	R.AVNVVHVVDASGK.F	1903.122	0.00689	3	1	39	0
P12163_1_F4,20667	R.GFSEFEAIK.H	1635.92	0.00834	3	1	26	0
P12163_1_F4,23213	K.VDLLNQLK.E	1550.973	0.00268	2	1	25.8	0
P12163_1_F3,28088	R.LSIAQVLTVISQK.Q	2008.263	0.00298	3	1	29.1	0
P12163_1_F2,18384	K.FYTLTTGANER.R	1576.827	-0.00083	2	1	31.7	0
P12163_1_S1,20664	R.DFGPPQEVAETLIK.K	2152.211	0.00022	3	1	40.5	0
P12163_2_F2,13990	K.MIYASSK.D ! K.MLYA	1407.813	0.00478	2	1	30.3	0
P12163_2_F1,11693	K.QVVVEK.L	1309.83	0.00639	2	1	26.3	0
P12163_2_F2,19092	R.FLSAAVK.L	1343.851	0.00536	3	1	27.5	0
P12163_1_F7,14600	R.QILNAGADHVLHK.V	2024.186	0.00969	3	1	29.1	0
P12163_1_F3,25665	K.DGVLVEGLFWK.D	1871.089	-0.00275	3	1	32	0
P12163_1_F3,16371	K.SISAGQPVEFTK.S	1872.069	0.01442	2	1	36.7	0
P12163_1_F3,22131	K.APPGFPGSPYAINFK.L	2171.211	0.00584	3	1	34.8	0
P12163_1_F3,23800	R.VGPLYFVVK.D	1727.072	0.00703	3	1	24.8	0
P12163_1_F3,26769	R.EAAVLALGAI AEGCIK	2194.272	0.00663	3	1	49.1	0
P12163_2_F2,17985	R.QAAGLLLK.N	1421.93	0.00882	3	1	27.2	0
P12163_1_F3,14787	K.QLVLGAR.V	1060.678	0.00485	2	1	25.7	0
P12163_2_F1,18440	R.LFINQCYSK.G	1780.988	-0.00264	2	1	32.9	0
P12163_1_S1,23193	K.LVFDDLLER.V	1423.81	0.00261	2	1	52.4	0
P12163_2_S5,18118	R.DLFDDHLEELR.Q	1705.87	0.00151	3	1	37	0
P12163_2_F1,11939	K.TNEAEAVETAK.E	1770.969	-0.00599	2	1	33.8	0
P12163_1_F4,22894	R.ICLDILK.D ! K.LCLDLI	1482.917	0.00625	2	1	27.7	0
P12163_1_S1,12971	K.GNPIEESDITR.L ! R.GN	1534.801	0.00298	2	1	40.2	0
P12163_2_F6,19766	R.LHPAVPLLIAR.K	1503.968	0.00134	3	1	26.4	0
P12163_1_F4,23538	K.AVEIALQQIK.S	1721.078	0.01041	3	1	28.1	0
P12163_1_F9,16489	R.ELHNVFIK.K	1607.973	0.00849	2	1	36.5	0
P12163_2_F2,14147	K.AAENVYIK.K	1515.899	0.0024	2	1	39.7	0
P12163_2_F1,12663	K.VLSEEEK.A	1441.836	0.00218	2	1	25.2	0
P12163_2_F10,1597	K.FPTLVTHQESLESK.V	2224.243	0.00375	3	1	23.7	0
P12163_1_F8,16963	K.VCMLGDAQHV EEA EK	2324.183	0.01746	3	1	36.1	0
P12163_1_F8,19687	R.DLKPSNLLL NANC DLK	2740.579	0.00606	3	1	22.6	0
P12163_1_F9,7998	R.QLPQHPR.Q	1179.69	0.00457	3	1	22.8	0
P12163_1_F2,15546	K.NFVITDPR.I ! K.NFVIT	1265.716	0.00565	2	1	29	0
P12163_1_F4,19401	R.AAEWGLVLK.T	1594.978	-0.01686	3	1	24.2	0
P12163_1_F6,14964	K.HKPATVIPFR.R	1871.148	0.00279	4	1	31.5	0
P12163_2_F9,20538	K.YELEYILR.E	1402.788	0.00379	2	1	26	0
P12163_1_F3,20090	K.VPVLA EVEK.V	1591.988	0.00427	3	1	28.1	0
P12163_1_F3,14536	R.DVAEATVDVK.A	1654.947	0.01035	2	1	63	0
P12163_2_F6,14729	K.IENLQSHDNNEIYEK.A	2454.272	0.00756	3	1	32.1	0
P12163_1_S1,7914	K.TGVDADEAR.R	1237.633	0.00828	2	1	31.8	0
P12163_1_F2,20782	K.EATGIDFNELGNDLK.V	2244.197	0.00883	3	1	25.1	0
P12163_1_F3,24420	R.DVIAFPILK.I	1624.029	0.00377	3	1	49.5	0
P12163_2_F2,16695	K.AASLAFK.D	1315.819	0.00326	3	1	22.1	0
P12163_1_F3,24697	R.EYTGAPYFAAISALK.I	2210.232	0.00224	3	1	34.2	0

P12163_2_F2,10309	K.ETNVSVK.I	1384.826	0.00547	2	1	25.7	0
P12163_1_F3,9212	R.QATEYDPR.R	1283.653	0.0045	2	1	37.5	0
P12163_2_F1,22633	K.LTELIVDK.S	1538.961	0.00959	2	1	36.5	0
P12163_1_F4,24661	R.LNILPFK.V	1452.94	0.001	3	1	26.6	0
P12163_1_S1,17300	K.SDLEVIQVTEPPK.R	2063.184	0.0038	3	1	43.9	0
P12163_1_F3,17405	K.YTPQELNVDVK.S	1914.079	0.00782	2	1	26.5	0
P12163_1_F4,7064	K.AASSEENDGNK.D	1729.881	0.0032	2	1	24.9	0
P12163_1_S1,18062	R.TMEEMAQEADEYR.S	1906.846	0.00167	2	1	55.8	0
P12163_1_F9,14451	K.HSLSLTLR.H	1230.747	0.00525	3	1	27.2	0
P12163_2_F6,11351	R.VVDESHVGPPR.G	1495.817	0.00307	3	1	27.1	0
P12163_1_F8,12341	K.ETPSAVPPPKPK.N	2257.368	0.00805	3	1	24.9	0
P12163_1_F3,12380	K.GLAEVAR.N	1019.615	0.00329	2	1	29.7	0
P12163_1_F2,9093	K.GASLAPGDSR.F	1234.669	0.00127	2	1	39.9	0
P12163_1_S1,20269	K.LQNFTEAVADANR.A	1752.918	0.00346	2	1	32.3	0
P12163_2_F6,9088	K.KDPTAVTSSESQSR.L	2101.135	0.00179	3	1	28.2	0
P12163_1_F4,21405	R.EVLINLYNK.T	1714.036	0.00675	2	1	31.7	0
P12163_2_F6,17483	K.LDVGSYGYDNSYTVR	2012.987	0.00532	2	1	29.7	0
P12163_2_F2,16613	K.VNMLEK.S	1341.802	0.00538	2	1	28.7	0
P12163_1_F2,8727	R.GSASVGQSTLTR.F	1467.807	0.00287	3	1	49	0
P12163_1_S1,22693	R.LEIQAIADDITSK.Y	2025.169	0.0047	3	1	39.5	0
P12163_1_S1,19476	K.DISSFLDER.D	1385.721	0.00663	2	1	28.2	0
P12163_2_F6,15079	R.EDLISKPENIR.E	1922.117	-0.00395	2	1	26	0
P12163_1_S1,16196	K.DIVGELPR.R	1202.705	0.00382	2	1	24.1	0
P12163_1_S1,21714	K.VALVAEDELIR.G	1531.9	-0.00101	2	1	39.8	0
P12163_2_F2,8297	K.NEQYQAK.L	1488.827	0.00735	2	1	27.5	0
P12163_2_F2,11571	R.AIQYGSK.F	1374.82	0.00598	2	1	28.5	0
P12163_2_F1,17448	K.QEMFQPTASIK.D	1888.046	-0.00044	2	1	28.9	0
P12163_1_S1,20767	R.AFGADLILTDPK.G	1940.131	0.00278	3	1	36.1	0
P12163_2_F1,5610	K.GEPEPR.N	988.5365	0.00152	2	1	26.5	0
P12163_1_F4,17747	R.ATVVEAIK.E	1438.909	0.00194	3	1	32.8	0
P12163_1_S1,9320	R.DAQDYEQPR.E	1425.691	-0.00264	2	1	25.9	0
P12163_2_F6,7808	R.EHEQVDAVDR.D	1501.755	0.00412	3	1	30.2	0
P12163_2_F4,6236	K.ELSAHGR.D	1073.6	0.00026	3	1	31.4	0
P12163_2_F6,14625	R.ENQLEIDHLK.F	1847.048	0.00414	3	1	42.9	0
P12163_2_F8_12070	K.IQNHF.K.F ! R.LQNHFK	1394.836	0.00239	3	1	22.9	0
P12163_1_F2,22593	R.VAGAAALAPFIDK.G	1852.115	0.00348	3	1	40.2	0
P12163_1_F4,10105	K.AGGALQGPR.A	1187.68	0.00663	2	1	26.2	0
P12163_1_S1,17145	R.DVQEACVYDGYTLPK	2366.216	0.00656	3	1	52.9	0
P12163_1_F3,20245	K.ISIEPVLGK.K	1563.993	0.00887	3	1	36.8	0
P12163_2_F10,1912	R.LFLSPYELTPTHR.N	1878.043	-0.00173	3	1	41.4	0
P12163_2_F2,16799	K.AYAVGASFK.G	1521.889	0.00286	3	1	27.7	0
P12163_1_F4,21519	K.SLAAALMSDAK.F	1685.972	0.01016	3	1	29.1	0
P12163_1_F8,15735	K.ALTNSGLIDPASHR.L	1755.965	0.00127	3	1	53.8	0
P12163_2_F9,11797	R.VLNLHSR.L	1142.695	-0.00015	3	1	30.8	0
P12163_2_F9,17594	R.LSWALVHSR.Q	1372.8	0.00085	3	1	39.1	0
P12163_2_F1,6086	R.QAEDVQR.G	1149.617	0.00617	2	1	30.3	0
P12163_1_F4,18856	K.DYNQLFVK.K	1634.936	0.00718	2	1	35.6	0
P12163_2_F1,15625	K.VYCPDELAK.V	1702.929	0.0069	2	1	26	0
P12163_2_F1,12694	K.NLELQEGK.L	1538.9	0.00217	2	1	32.1	0
P12163_1_S1,19405	R.LVFDEPEPGVTVVK.L	2137.236	0.00776	3	1	30.9	0
P12163_2_F1,11156	K.SQSSVLDQK.A	1599.916	0.00668	2	1	26.2	0

P12163_1_S1,25566	K.VPLSILGLPFR.S	1515.956	0.00042	3	1	37.6	0
P12163_1_F5,20417	K.SLGLMCFK.K	1563.885	0.00794	2	1	27	0
P12163_2_F2,6046	R.ASSDQNK.L	1357.753	0.00596	2	1	28.2	0
P12163_1_S10,1448	R.FAVHIR.E	1046.641	0.00646	3	1	30.3	0
P12163_2_F1,22248	R.IGGGVFPVIK.E	1595.014	0.00316	3	1	29.9	0
P12163_2_F9,16424	K.IFDLHR.H	1104.647	0.00439	3	1	25.6	0
P12163_1_F3,25335	K.LGEVFSGAYLVGK.K	1948.136	0.00522	3	1	41.1	0
P12163_2_F2,14669	R.LNQYVQGNK.E	1671.964	0.00674	2	1	27.3	0
P12163_1_F4,17277	R.VCQMVLQDNNAK.K	2028.083	0.00527	2	1	43	0
P12163_1_F4,25017	K.LVESIIDAEK.A	1725.025	0.00853	3	1	37.1	0
P12163_1_F3,18909	K.NFDYVVVNAEGK.L	1963.074	-0.00071	2	1	54.1	0
P12163_2_F1,9199	R.DTEATYK.D	1435.789	0.00534	2	1	24.8	0
P12163_1_F8,16460	R.THALDTGEAVNVLK.C	2076.191	0.00717	3	1	29.3	0
P12163_1_S1,12971	K.GNPIEESDITR.L ! R.GN	1534.801	0.00298	2	1	40.2	0
P12163_2_F6,19917	K.GQHFELIPFGAGR.R	1732.944	0.00339	3	1	32	0
P12163_1_F9,10365	K.ENVEAFHR.I	1305.685	0.00575	3	1	45.9	0
P12163_1_F8,19166	K.MYYDFYAGGAEDEH1	2618.269	0.01368	3	1	53	0
P12163_1_F5,6774	R.AGACSTCAGK.L	1590.819	0.00652	2	1	44.9	0
P12163_1_F6,8019	R.AGACSTCAGK.L	1590.819	0.01581	3	1	39.2	0
P12163_1_F8,7160	R.AGACSTCAGK.L	1590.819	0.00344	2	1	38.4	0
P12163_1_F8,7180	R.AGACSTCAGK.L	1590.819	0.00225	3	1	37.3	0
P12163_1_S10,8490	R.AGACSTCAGK.L	1590.819	0.00927	3	1	34.8	0
P12163_2_F1,7268	R.AGACSTCAGK.L	1590.819	0.0047	2	1	46.3	0
P12163_2_F2,7592	R.AGACSTCAGK.L	1590.819	0.00728	2	1	44.6	0
P12163_2_F2,7635	R.AGACSTCAGK.L	1590.819	0.00621	3	1	44.2	0
P12163_2_F2,7818	R.AGACSTCAGK.L	1590.819	0.0071	2	1	38.1	0
P12163_2_F2,8026	R.AGACSTCAGK.L	1590.819	0.00526	2	1	37.7	0
P12163_2_S5,7118	R.AGACSTCAGK.L	1590.819	0.00177	3	1	38.7	0
P12163_2_S5,7794	R.AGACSTCAGK.L	1590.819	0.00852	3	1	33.8	0
P12163_1_F3,20263	K.ALLADDPVLK.R	1663.025	0.00729	2	1	58.6	0
P12163_1_F3,20298	K.ALLADDPVLK.R	1663.025	0.00525	3	1	44.6	0
P12163_1_F4,20799	K.ALLADDPVLK.R	1663.025	0.00175	2	1	43.5	0
P12163_2_F1,20201	K.ALLADDPVLK.R	1663.025	0.00321	3	1	37.7	0
P12163_2_F1,20208	K.ALLADDPVLK.R	1663.025	0.00173	2	1	44.8	0
P12163_1_F3,22606	K.LAVAINDSLK.S	1652.02	0.0059	3	1	38.7	0
P12163_1_F4,23363	K.LAVAINDSLK.S	1652.02	0.00691	2	1	45.5	0
P12163_1_F4,23364	K.LAVAINDSLK.S	1652.02	0.00485	3	1	34.4	0
P12163_2_F1,22786	K.LAVAINDSLK.S	1652.02	0.00559	2	1	48	0
P12163_2_F1,22815	K.LAVAINDSLK.S	1652.02	0.00257	3	1	35	0
P12163_1_F6,7026	-.M*HETGASEEVARE	1636.79	0.00137	3	1	44.2	0
P12163_2_F6,6578	-.M*HETGASEEVARE	1636.79	-0.00424	3	1	43.5	0
P12163_2_F7,6141	-.M*HETGASEEVARE	1636.79	0.00263	3	1	52.5	0
P12163_2_F7,8062	-.M*HETGASEEVARE	1636.79	0.00032	3	1	35.5	0
P12163_2_F7,8080	-.MHETGASEEVARE	1620.795	0.00323	3	1	33.7	0
P12163_1_F4,19914	K.EQWSPALTISK.V	1868.074	0.0093	2	1	43.8	0
P12163_1_F4,19915	K.EQWSPALTISK.V	1868.074	0.00624	3	1	38.3	0
P12163_2_F1,19347	K.EQWSPALTISK.V	1868.074	0.00921	3	1	34.2	0
P12163_2_F1,19352	K.EQWSPALTISK.V	1868.074	-0.00356	2	1	62.6	0
P12163_1_F2,19212	K.AADEGLVILESPK.V	1950.137	0.00597	3	1	40.8	0
P12163_1_F2,20215	K.AADEGLVILESPK.V	1950.137	0.00531	2	1	87.7	0
P12163_1_F2,20358	K.AADEGLVILESPK.V	1950.137	0.00462	3	1	42.5	0

P12163_1_F9,17247	K.AHELYLEIK.S	1724.02	0.00235	3	1	44.3	0
P12163_2_F9,16518	K.AHELYLEIK.S	1724.02	0.00589	3	1	34.3	0
P12163_2_F9,16577	K.AHELYLEIK.S	1724.02	-0.00016	4	1	34.7	0
P12163_1_F4,20033	K.GLTLEEIEAK.C	1711.01	0.00987	2	1	56.7	0
P12163_2_F1,19494	K.GLTLEEIEAK.C	1711.01	0.00381	3	1	48.6	0
P12163_2_F1,19510	K.GLTLEEIEAK.C	1711.01	0.00747	2	1	55.3	0
P12163_1_F2,8502	M.TQSNPNEQNVELNR.T	1946.983	-0.00314	3	1	37.2	0
P12163_1_F2,8516	M.TQSNPNEQNVELNR.T	1946.983	0.00433	3	1	35.4	0
P12163_1_S1,9943	M.TQSNPNEQNVELNR.T	1946.983	0.00277	3	1	63	0
P12163_1_F3,21214	K.ELATDIEALK.K	1711.01	0.00609	3	1	51.2	0
P12163_1_F3,21334	K.ELATDIEALK.K	1711.01	0.00923	2	1	57.8	0
P12163_1_F3,21423	K.ELATDIEALK.K	1711.01	0.00519	3	1	52.8	0
P12163_1_S1,22321	K.LAEAADALEEGVR.G	1647.885	0.00933	2	1	38.9	0
P12163_1_S1,22370	K.LAEAADALEEGVR.G	1647.885	0.00347	3	1	54.9	0
P12163_1_F7,19712	R.TSELGGFFANVDANHI	2265.12	0.00291	3	1	37.7	0
P12163_2_S5,19491	R.TSELGGFFANVDANHI	2265.12	-0.00231	3	1	35.4	0
P12163_1_F2,23076	K.DDVVIQFLNPK.V	1896.105	0.00653	3	1	35	0
P12163_1_F3,23889	K.DDVVIQFLNPK.V	1896.105	0.01267	2	1	39.6	0
P12163_1_F8,15108	R.VQAIADAAHR.I	1355.77	0.00262	3	1	47.7	0
P12163_2_F6,14455	R.VQAIADAAHR.I	1355.77	0.00202	3	1	42.6	0
P12163_1_F2,10771	R.EASEEEIQAAR.N	1536.781	-0.00267	2	1	48.5	0
P12163_1_S1,8163	R.EASEEEIQAAR.N	1536.781	0.00378	3	1	40.2	0
P12163_1_F4,21333	K.SLIVEGLAESK.K	1754.052	0.00648	3	1	35.3	0
P12163_1_F4,21368	K.SLIVEGLAESK.K	1754.052	0.00454	2	1	54.6	0
P12163_1_S1,22856	R.LINILDQR.L	1288.789	-0.00496	2	1	30	0
P12163_1_S1,23066	R.LINILDQR.L	1288.789	-0.00468	2	1	28.3	0
P12163_1_F2,21688	K.ILAGTYVPVDAVK.L	1954.183	0.00861	3	1	37.8	0
P12163_2_F6,21344	K.ILAGTYVPVDAVK.L	1954.183	-0.00999	3	1	37.9	0
P12163_1_F2,7722	R.AQGDGDSAIDR.L ! R./	1408.697	0.00225	2	1	36.6	0
P12163_1_S1,6538	R.AQGDGDSAIDR.L ! R./	1408.697	0.00393	3	1	47.1	0
P12163_1_F9,16056	K.QHALAIGFTK.M	1694.021	0.01343	3	1	39.5	0
P12163_2_F9,14912	K.QHALAIGFTK.M	1694.021	0.00134	3	1	52.9	0
P12163_1_F4,22780	R.ALLADLTGK.D	1509.946	0.00823	2	1	55	0
P12163_2_F1,22355	R.ALLADLTGK.D	1509.946	0.00459	2	1	53.2	0
P12163_2_F7,4330	R.AAESDQGAHR.R	1345.676	0.00181	3	1	38.5	0
P12163_2_S5,5364	R.AAESDQGAHR.R	1345.676	0.00436	3	1	43.3	0
P12163_1_F3,18924	K.FVLDPNANVEK.I	1854.058	-0.00108	2	1	40.4	0
P12163_1_F3,18967	K.FVLDPNANVEK.I	1854.058	0.00744	3	1	40.4	0
P12163_1_F7,19580	R.IAVGQKPAIADVETPLI	2627.57	0.00923	3	1	37	0
P12163_2_S5,18483	R.IAVGQKPAIADVETPLI	2627.57	0.00656	3	1	33.6	0
P12163_1_F6,9619	R.GSFGEAGSHAK.T	1655.896	-0.00223	2	1	38.8	0
P12163_1_F9,9339	R.GSFGEAGSHAK.T	1655.896	0.00901	2	1	40.7	0
P12163_1_F7,20446	R.FVTHIDDPAAALTK.Y	2220.285	0.00253	3	1	48.6	0
P12163_2_S5,19579	R.FVTHIDDPAAALTK.Y	2220.285	0.00275	4	1	38.7	0
P12163_1_F9,16313	R.GHSLLEIR.I	1343.758	0.00309	3	1	39.8	0
P12163_2_F7,14707	R.GHSLLEIR.I	1343.758	0.00546	3	1	46.9	0
P12163_1_F3,23015	K.NVDILGVEFAK.S	1813.068	0.00777	2	1	67	0
P12163_1_F3,23030	K.NVDILGVEFAK.S	1813.068	0.0061	3	1	53.3	0
P12163_1_F5,6069	K.GIAHDVHQR.Y	1336.739	0.00317	3	1	41.5	0
P12163_2_S5,7179	K.GIAHDVHQR.Y	1336.739	0.00333	4	1	34.7	0
P12163_1_F8,18426	R.IGPHGVEIPGLR.Q	1548.916	0.00376	3	1	39.2	0

P12163_2_F6,17911 R.IGPHGVEIPGLR.Q	1548.916	0.00238	3	1	46.7	0
P12163_1_F8,11194 K.VPPVHAPTR.L	1277.763	0.00568	3	1	39.5	0
P12163_2_F6,10986 K.VPPVHAPTR.L	1277.763	0.00478	3	1	40.7	0
P12163_1_F5,11756 R.GGPNYQTGLAK.M	1713.974	0.00326	2	1	40.9	0
P12163_2_F1,12176 R.GGPNYQTGLAK.M	1713.974	0.00946	2	1	48	0
P12163_2_F7,11757 R.ERDPLIVGR.V	1358.806	0.00286	3	1	35.7	0
P12163_2_F7,11767 R.ERDPLIVGR.V	1358.806	0.0027	2	1	32.8	0
P12163_1_S1,21072 K.LGLGGTSYEDFIR.N	1731.922	0.00589	2	1	43.7	0
P12163_1_S1,21096 K.LGLGGTSYEDFIR.N	1731.922	0.00521	3	1	65.2	0
P12163_1_F8,9506 R.QVADEDPVHR.K	1469.765	0.00164	3	1	37.7	0
P12163_2_F6,9411 R.QVADEDPVHR.K	1469.765	0.00089	3	1	43.4	0
P12163_1_S1,17096 K.MVTMTGASGAFLR.L	1645.871	0.00392	3	1	41.7	0
P12163_1_S1,19711 K.MVTMTGASGAFLR.L	1645.871	0.00425	2	1	36.1	0
P12163_1_F8,18535 K.VMALELGAHK.I	1676.998	0.01065	3	1	58.2	0
P12163_2_F6,17994 K.VMALELGAHK.I	1676.998	0.00408	3	1	54.4	0
P12163_1_F8,18690 R.VPTLAIHLDR.T	1438.868	0.00072	3	1	61.3	0
P12163_2_F6,18230 R.VPTLAIHLDR.T	1438.868	0.00045	3	1	58.5	0
P12163_1_S1,13003 R.FQQVATQPAEER.S	1707.897	-0.00211	2	1	51	0
P12163_1_S1,13020 R.FQQVATQPAEER.S	1707.897	0.00636	3	1	51.5	0
P12163_1_F9,12225 R.HDDVLESVR.S	1373.733	0.00576	3	1	33.2	0
P12163_2_F7,11231 R.HDDVLESVR.S	1373.733	0.0006	3	1	40.2	0
P12163_1_F4,20389 K.VQGLYDFCK.K	1737.945	0.00554	3	1	36.9	0
P12163_2_F1,19781 K.VQGLYDFCK.K	1737.945	0.00088	2	1	44.4	0
P12163_1_F7,15164 R.IAIGTPGEASHPDALK..	2185.244	0.00545	3	1	44.6	0
P12163_2_S5,14483 R.IAIGTPGEASHPDALK..	2185.244	0.00275	3	1	37.4	0
P12163_1_F7,17568 K.GIPCDEETLYGVIHR.M	2049.038	0.00384	3	1	35.9	0
P12163_2_S5,17209 K.GIPCDEETLYGVIHR.M	2049.038	0.00042	3	1	69.2	0
P12163_1_F4,24371 K.LTFLENSGLAK.Y	1801.068	0.00735	3	1	38.7	0
P12163_2_F1,23685 K.LTFLENSGLAK.Y	1801.068	-0.00471	3	1	42.6	0
P12163_1_F8,12796 R.VHTVVLNDPGR.L	1510.864	0.00497	3	1	49.5	0
P12163_2_F6,12355 R.VHTVVLNDPGR.L	1510.864	-0.0013	3	1	46.8	0
P12163_1_F8,12228 K.VIAM*NSHQLPR.K	1585.879	0.00162	3	1	42.8	0
P12163_1_F8,14995 K.VIAMNSHQLPR.K	1569.884	0.00451	3	1	69.5	0
P12163_1_F3,24234 K.VWPIEVDLK.F	1707.03	0.00506	3	1	41.4	0
P12163_1_F3,24266 K.VWPIEVDLK.F	1707.03	0.00566	2	1	40.4	0
P12163_1_F4,19169 K.ILSSGEQYEIK.L	1875.068	0.00709	2	1	47.8	0
P12163_2_F1,18461 K.ILSSGEQYEIK.L	1875.068	0.00653	2	1	62	0
P12163_1_F8,16876 K.GHTFIQFEPAPR.R	1703.917	0.00283	3	1	37.2	0
P12163_2_F6,16298 K.GHTFIQFEPAPR.R	1703.917	0.00181	3	1	33.4	0
P12163_1_F9,7304 R.VEHVQPSR.C	1255.706	0.00335	3	1	26.7	0
P12163_2_F7,6997 R.VEHVQPSR.C	1255.706	0.00215	3	1	26.5	0
P12163_1_F7,17181 K.AVPNLQLEHGLAVER.	1950.107	0.00235	3	1	50.8	0
P12163_2_S5,16448 K.AVPNLQLEHGLAVER.	1950.107	0.0025	3	1	49.4	0
P12163_1_F4,12320 R.NVSQADASIK.A	1640.943	0.00359	2	1	52.3	0
P12163_2_F1,11416 R.NVSQADASIK.A	1640.943	0.00157	2	1	43.3	0
P12163_1_F3,16728 R.GNLDIFSGR.G	1282.706	0.00844	3	1	33.6	0
P12163_1_F8,19681 R.GPAEASADAVHFVLK.	2120.196	0.01056	3	1	32.9	0
P12163_2_S5,15226 K.VDPSQVTPDVHFQK.D	2205.212	0.0041	3	1	38.4	0
P12163_2_F6,18201 R.QAELIDHFVK.Q	1808.053	0.00207	3	1	35.3	0
P12163_1_F3,24000 R.DGLLPSIFAK.V	1669.014	0.00777	3	1	43.1	0
P12163_1_F2,22026 K.VGIFYVDGVR.R	1428.815	0.00358	2	1	36.1	0

P12163_1_F3,24510	R.VPAIVSALEK.M	1635.03	0.00292	3	1	43.7	0
P12163_1_F6,20039	R.FDVIVVGGGHAGCEA.	2361.229	0.00511	3	1	46.7	0
P12163_1_F3,25332	R.FLQAVGLATDVK.L	1870.126	0.00498	3	1	54.1	0
P12163_1_F4,18892	R.NILEDPELK.S	1678.984	0.01529	3	1	35.4	0
P12163_1_F3,18907	R.VELPDAYPYK.S	1803.015	0.00563	2	1	39.9	0
P12163_2_F6,15433	K.HLDDFEVVR.W	1433.769	0.00042	3	1	41.4	0
P12163_1_F7,21388	R.DASIVEEFQTAVAAHK	2324.271	0.00268	3	1	53.1	0
P12163_1_F3,17110	K.ASGESSESSTSLTVFK.!	2225.176	0.00664	3	1	57.8	0
P12163_1_F3,24521	R.AAMLQGVSEVAEAVK	2111.199	0.00821	3	1	44.8	0
P12163_1_F3,25544	R.EGYITAMANLIEK.E	2061.151	0.00528	3	1	36.3	0
P12163_1_S1,8260	M.APPPPAQAAGGGGGG	2006.047	0.00385	3	1	35.6	0
P12163_1_F4,22357	R.GQETMLSFIQK.F	1890.061	0.00481	3	1	39.5	0
P12163_2_F10,1640'	K.EVVHCVTLHEIDVINS!	2324.233	0.00472	3	1	52	0
P12163_1_S1,19343	K.TFYEEAQLETLR.Q	1803.943	0.00316	3	1	42.8	0
P12163_1_F8,16996	R.IVVVTHGGVIR.T	1453.916	0.00252	3	1	39.7	0
P12163_1_F8,14568	R.EPSETELALAEHQGK.!	2247.208	0.00924	3	1	41.4	0
P12163_1_S1,9468	R.DDNEEAANLR.K	1450.707	0.0076	2	1	40.1	0
P12163_1_F3,24641	R.LDIEDFLQK.K	1728.999	0.00635	3	1	28.3	0
P12163_1_F3,23567	R.ITMIVADAYK.G	1733.013	0.00222	3	1	42.7	0
P12163_2_F6,19054	R.GLFGGLVDHK.Q	1593.957	-0.00112	3	1	39.7	0
P12163_2_F6,8861	R.EVHSADYNPTR.R	1592.797	0.00315	3	1	34.2	0
P12163_2_S5,15690	R.VAHVLPVSDDGGSTAI	2226.203	0.00466	3	1	51.7	0
P12163_2_F6,22066	R.LIVIAQHRL.D	1366.884	0.00258	3	1	34	0
P12163_2_F1,20124	R.SSTFSTLLTK.L	1692.999	0.00399	2	1	32.9	0
P12163_1_S1,10286	R.QATAVIVQPSSPR.F	1657.954	0.00314	3	1	34.2	0
P12163_2_F1,11553	R.NTETGENVAIK.I	1784.001	0.00079	2	1	42.9	0
P12163_1_F3,22826	K.CVETLDLLK.I	1698.992	0.01032	3	1	41.7	0
P12163_1_F3,25656	K.LLALYLSSPDNK.E	1942.147	0.00153	3	1	32.9	0
P12163_1_F7,16568	K.AETEYTVTQAISAQEA	2585.367	0.00311	3	1	52.8	0
P12163_1_F3,25308	K.TVFNFMDLCK.T	1982.07	0.00849	3	1	43.5	0
P12163_1_F2,22812	R.GSGPVILELPLDK.I	1946.178	0.00394	2	1	38.9	0
P12163_1_F3,12765	K.EIDDVDAK.I	1512.837	0.00381	2	1	38.5	0
P12163_1_F7,20580	K.VPFSNVVYIEHSDFR.M	2113.102	-0.00156	3	1	34.3	0
P12163_2_F6,19181	R.DHSALMSILDR.R	1561.831	0.00053	3	1	33.9	0
P12163_1_F3,23933	R.DFQTVLQEFQK.I	1991.106	0.00707	3	1	52.9	0
P12163_1_F9,17731	R.HAFIGIGFR.E	1321.768	0.00262	3	1	44.7	0
P12163_1_S1,16390	K.ALDVGDDPAALPK.G	1890.079	0.00952	3	1	35	0
P12163_1_F4,18308	K.DAIQIITK.M	1509.946	0.01059	2	1	38	0
P12163_1_F7,22360	K.GSLIALPDHIPLK.F	2095.31	0.00472	3	1	34	0
P12163_1_F3,12840	K.NNTQVLINCR.N	1535.827	0.00076	2	1	35.9	0
P12163_1_F9,11791	R.EIHGQVLK.L ! K.EIHG	1531.942	0.00578	3	1	37.3	0
P12163_1_F2,11971	K.EVVAEDQPAAAEK.T	1965.075	0.00464	2	1	41.4	0
P12163_1_S1,20755	R.GQVLNTLEEIQER.H	1833.002	0.00728	3	1	39.8	0
P12163_1_F3,20860	R.LSDDLLAENFK.I	1987.096	0.00179	2	1	41.5	0
P12163_2_F6,14682	R.SLLQEDEFHR.L	1577.822	0.0025	3	1	37.7	0
P12163_1_S1,22391	R.GALVVLEGLDR.C	1445.863	0.00416	3	1	41.2	0
P12163_1_F3,24919	K.LLALDPLNK.E	1605.02	0.01037	2	1	35.7	0
P12163_1_F2,18064	K.NFADVGGGVLGCR.G	1625.837	0.00107	3	1	39	0
P12163_2_F1,16152	K.IFGGTTPK.T	1428.867	-0.00078	3	1	34.3	0
P12163_1_F3,24895	K.LLTEFQPFGGK.G	1845.073	0.0093	3	1	35.7	0
P12163_1_S1,20806	K.AVELVILPR.S	1313.846	0.00336	3	1	62.1	0

P12163_1_S1,24513	K.AFADELGIPFLETSAK.	2317.29	0.00952	3	1	34.9	0
P12163_1_S1,23503	K.LADDTVLLSQLPLK.S	2134.294	0.00555	3	1	40.5	0
P12163_1_S1,22077	K.IEDLSSQLQTQAAEQFI	2544.377	0.00702	3	1	60.5	0
P12163_1_F7,20553	R.TAIPEAITLEHVAK.S	2214.332	0.0043	3	1	70.6	0
P12163_1_S1,16223	K.LDTLVVGSR.G	1263.757	0.00581	3	1	44.5	0
P12163_2_F7,12389	R.FIDQGHNL.R.S	1403.77	0.00075	3	1	33.4	0
P12163_1_F7,17585	K.AVVESLPADSFVASHP	2086.123	0.00382	3	1	64.2	0
P12163_1_F3,6553	K.ADEDVR.M	1008.526	0.0006	2	1	35.9	0
P12163_1_F9,18855	R.ILCLHGFR.Q ! R.ILCLF	1319.756	0.00502	3	1	41.6	0
P12163_1_F3,26912	R.ALLFSFLPDDK.S	1874.088	0.0137	3	1	43.7	0
P12163_2_F1,20268	R.LWDAVPK.L	1436.872	0.0037	3	1	24.2	0
P12163_1_S1,18316	R.DRLGLRPCDQR.R	1689.912	0.00826	3	1	33.7	0
P12163_2_F6,15125	K.GVHYEYVEENLPNK.S	2299.218	0.00809	3	1	43.3	0
P12163_1_F3,11889	K.NCFAIASDR.R	1357.684	0.00447	3	1	36.3	0
P12163_1_S1,20363	K.NCGDSVFQQIHER.D	1869.943	0.01007	3	1	60.1	0
P12163_2_F7,16734	K.QVFGHFLR.K	1406.821	0.00198	3	1	39.8	0
P12163_1_F9,12220	R.HLVATVGK.F	1432.91	0.01229	3	1	35.6	0
P12163_1_F4,24113	R.ASAFTFGVVYGNMK.I	2100.141	0.01058	3	1	34	0
P12163_1_S1,14317	K.ADDVPLDVR.M	1303.716	-0.00095	2	1	39.3	0
P12163_1_F3,12427	R.ATSGVDDDLK.A	1628.895	0.00908	2	1	37	0
P12163_2_F6,21880	R.QTLINLLTNHDR.G	1741.986	0.00126	3	1	37.3	0
P12163_1_F3,18484	R.AAALNIVPTSTGAAK./	1993.19	0.00887	3	1	43.5	0
P12163_1_F9,8849	K.LVHGGAQNK.G	1531.916	0.00662	3	1	40.9	0
P12163_1_F4,25439	K.GPSWAALLEAGVK.R	1907.121	0.00112	3	1	49.1	0
P12163_1_F2,20234	K.IIM*VDPLEAK.R	1753.039	0.00394	3	1	43.5	0
P12163_1_F7,16992	K.ELNMAPHVVELDER.I	1956.016	0.00448	3	1	40.5	0
P12163_1_F4,27642	K.LSSTIAEILQTK.L	1912.157	-0.00149	3	1	36.3	0
P12163_2_F7,16732	R.LHLATLIR.A	1240.804	0.00357	3	1	34.2	0
P12163_1_F3,25826	R.LIEFAEAVQSK.L	1843.078	0.00675	3	1	40.8	0
P12163_1_F8,16041	R.TLDPHIEEQFGSGR.L	1889.966	0.00156	2	1	48.6	0
P12163_1_F3,12651	R.EAPTTTITNAPANEK.S	2166.186	0.00624	3	1	39.3	0
P12163_1_F3,20584	K.DEAGICFPDLK.L	1872.999	0.00533	2	1	45.8	0
P12163_2_F6,15050	K.ALADAGLHVDK.I	1718.006	0.00336	3	1	38.7	0
P12163_1_F3,24888	R.QLLTDLEEVVEVNK.Q	2267.259	0.00832	3	1	39.4	0
P12163_1_F4,9932	R.AGATDSEYSSK.R	1723.896	0.001	2	1	39.9	0
P12163_1_F9,19507	K.IIGLLGHK.A	1458.962	0.00832	3	1	35.8	0
P12163_1_F7,20295	K.TVADSLYPKPVVIFNP	2524.475	0.00337	3	1	37.5	0
P12163_2_F6,18385	K.IHENPELGFQEFETSK.I	2513.313	0.00315	3	1	40.2	0
P12163_1_F3,23347	R.FVTAVVGFVK.K	1632.993	0.00349	3	1	37.1	0
P12163_1_F9,15504	K.HSGFGLGFER.M	1410.743	0.00509	3	1	40.1	0
P12163_2_F6,18599	K.IIPLQDAHEFDK.I	2034.148	0.00275	3	1	44	0
P12163_1_S10,6004	K.QAEEHER.F	1202.607	0.00313	3	1	41.1	0
P12163_1_S1,22514	R.LFISNPDLVLR.F	1590.952	0.00319	3	1	43.2	0
P12163_1_F5,5610	K.ATDSNQSSK.T	1646.881	0.00174	2	1	46.5	0
P12163_1_F2,8985	K.AANDCVQEGVR.A	1522.759	0.00269	2	1	42.6	0
P12163_1_F3,22933	K.GGPNPTSNTVLAAVLI	2276.307	0.0004	3	1	33.4	0
P12163_2_F9,7953	K.THAVDSGK.I	1537.843	0.00132	3	1	42.8	0
P12163_1_S1,9953	R.AGDDGSSYPVER.A	1469.717	0.005	2	1	37	0
P12163_1_F4,13803	R.VQAEGDFNAK.L	1686.927	0.00047	2	1	39.1	0
P12163_1_F3,16902	K.GVLPENQPVVVK.A	1887.152	0.00338	3	1	38.1	0
P12163_2_S5,16400	K.LLDTDVESHIDR.N	1716.907	-0.0005	3	1	35	0

P12163_2_S5,20616	R.FVQPNIDHLIFNR.F	1917.065	0.00376	3	1	36.7	0
P12163_1_F5,18227	R.AFWNSPVGPK.T	1710.979	0.01407	3	1	35.9	0
P12163_1_F3,25054	R.VFITGALDELK.I	1814.088	0.00278	3	1	45.6	0
P12163_1_S1,18563	R.NVLVIGGDALSR.F	1517.895	-0.0005	3	1	49.9	0
P12163_1_F7,20860	K.IIILTDADVDGAHIR.T	1926.096	0.00109	3	1	46.5	0
P12163_1_F3,24437	R.NLAFTTTSTELEEAFK.	2410.296	0.0046	3	1	43.2	0
P12163_1_F8,14565	R.TVIVIAHR.L ! R.TVLVI	1212.773	0.00582	3	1	35.5	0
P12163_1_F3,24190	K.ILVYEFVFNK.S ! R.LL'	1830.098	0.00651	2	1	36.3	0
P12163_1_F8,21115	R.ICAACLLLDHK.T	1922.081	0.00859	3	1	40.4	0
P12163_1_F3,8402	R.NTLQQLER.V	1305.743	0.00071	3	1	33	0
P12163_1_F8,23867	R.SAAEALGLLHVLSR.E	1741.027	0.00235	3	1	60	0
P12163_1_F3,24608	K.NVIFTVWDVGGQEK.I	2200.222	-0.00136	3	1	51.7	0
P12163_1_F4,18429	K.ELFQGNPVEK.L	1866.058	-0.00002	2	1	47.7	0
P12163_1_F2,16189	R.AAEAGFIDQNEPVAK.'	2168.181	0.00861	3	1	49.5	0
P12163_1_F4,21414	K.ELLALAANK.D	1550.973	0.00603	2	1	47.7	0
P12163_1_F3,12012	K.ADVSDPAQVK.S	1637.932	-0.00117	2	1	42.2	0
P12163_1_S1,21726	-.MIYDVNSPLFR.S	1658.888	0.00166	3	1	34.6	0
P12163_1_F9,17728	K.HAFIGLGFNER.N	1564.854	0.00239	3	1	34.7	0
P12163_2_F6,19576	K.EFGFFQVTNHGVSK.D	2205.191	0.00295	3	1	43.6	0
P12163_2_F6,16410	R.DGPLVVFHR.T	1343.774	0.00257	3	1	41.3	0
P12163_1_F8,14189	K.SGPEGGNTLLSEPKPI	2702.439	0.00509	3	1	36.6	0
P12163_1_F7,20131	K.LCAQAAGLPVEIVHYI	2589.432	0.00862	3	1	40.5	0
P12163_1_F9,12632	R.HIQLAVR.N	1140.715	0.00278	3	1	33.2	0
P12163_1_S1,22531	K.FAGDVAELGIIR.A	1564.9	0.00349	3	1	41.9	0
P12163_1_F7,20350	K.LPFDEASLVNLHAAR.'	1957.081	0.00017	3	1	60	0
P12163_1_F9,12065	K.AVTLTHVR.Y	1200.737	0.00227	3	1	42.2	0
P12163_1_F3,27975	K.LVDIAAAGLGMK.K	1767.066	0.00748	3	1	46.1	0
P12163_1_F8,12535	R.APGGPPSNVAISHVR.L	1762.987	0.00128	3	1	37.3	0
P12163_2_F1,20769	R.TMVQLDELYK.D	1848.04	0.00717	2	1	38.1	0
P12163_1_S1,10480	R.VTAPPAPPR.K	1209.726	0.00204	3	1	38.2	0
P12163_1_S10,1010	K.FHGAEK.N	1425.795	0.00541	3	1	38.6	0
P12163_1_F3,24471	K.INDWVSLQESFDK.I	2189.17	0.01465	3	1	36.1	0
P12163_1_F9,9482	K.HAVVVK.V	1260.825	0.00669	3	1	37.1	0
P12163_1_S1,21553	R.SLTTEGLLYLEQR.I	1827.016	0.00378	3	1	34.8	0
P12163_1_S1,17331	K.DITELIASGR.E	1378.784	0.00364	3	1	35.2	0
P12163_1_S1,22492	K.IDPSLLEALEK.S	1836.094	0.00503	3	1	35.1	0
P12163_2_F1,13512	K.ALGGTITGSDK.R	1627.947	0.00731	2	1	46.8	0
P12163_1_F7,16141	K.GLLPDTHPLAAAAAR.	1778.023	0.00287	3	1	35.3	0
P12163_1_F8,22689	K.DIQLNIDHILLK.A	2043.242	0.00596	3	1	43	0
P12163_1_F3,22173	R.QVQCISFLAAKPPGV.-	2223.278	0.00629	3	1	45.8	0
P12163_1_F8,11825	R.QVAAGGTHSVVLTR.E	1699.976	-0.00171	3	1	39.4	0
P12163_2_F4,17612	R.TEGIIPAPEPTHAIAATI	2262.276	0.00422	3	1	35.6	0
P12163_1_F3,16366	K.AVQGNVGVLDQK.D	1964.138	0.00437	3	1	40.7	0
P12163_1_S1,25025	R.LQDTLLELVQR.E	1631.963	-0.00032	3	1	52.8	0
P12163_1_F3,26256	K.VSLYLADVVLPK.F	1925.193	0.00627	3	1	41.5	0
P12163_1_F3,24711	R.GAVGAMLVYDITK.R	1946.124	0.0045	3	1	47.8	0
P12163_1_F3,22311	K.SNAELALDYGFIESK.S	2265.222	0.00655	3	1	39.3	0
P12163_2_F1,19685	K.IEELSLEK.A	1683.962	0.0038	3	1	35.5	0
P12163_1_F2,12266	R.IAGGQEVCGVR.E	1577.837	0.00369	2	1	36.1	0
P12163_1_S1,19490	K.VLVIGGGDGGVLR.E	1515.916	-0.00153	3	1	53.2	0
P12163_1_F3,18567	R.VEVAEPANFTVK.E	1912.1	0.00615	3	1	43.9	0

P12163_1_F8,19102	R.LHPPAPLLIAR.D	1501.952	0.00324	3	1	34.7	0
P12163_2_F2,18592	K.AAQYFNIK.L	1562.915	-0.00221	2	1	35.6	0
P12163_1_F4,27244	K.LIDALLAK.G	1464.961	0.01098	2	1	45.5	0
P12163_1_F6,20890	K.AEAVHLAIDDLGPNCF	2520.318	0.00195	3	1	55.1	0
P12163_1_F3,26746	K.VLDEFFLSTAGK.F	1935.105	0.00358	3	1	40.8	0
P12163_2_F1,20179	K.AGPGILGVNIGK.N	1704.063	-0.00805	3	1	38.9	0
P12163_1_F3,22660	K.SNFDQLIEVATK.K	1973.116	0.00912	3	1	34.5	0
P12163_1_F7,19959	K.QSLIESITLEHSAPVR.R	2084.165	0.00403	3	1	47	0
P12163_1_F6,20961	K.ILTPEVVNTQTGAFLH	2200.239	0.00208	3	1	63.1	0
P12163_1_S1,22571	R.VQGLLEVLPNR.L	1541.932	0.00521	2	1	40.1	0
P12163_2_F6,16020	K.ILLETPHK.I	1558.978	0.00213	3	1	35	0
P12163_1_F6,20802	K.FIIEAANHPTDPEADEI	2818.508	0.00556	3	1	44.7	0
P12163_2_F8_12070	K.VTEAAGHFPNLHLEQI	2561.353	0.00509	4	1	33	0
P12163_1_F7,19426	R.LGVVDVNHLAAVAVSR	1825.06	-0.00164	3	1	40.2	0
P12163_1_F4,12412	R.EVIEGSEEK.I	1627.9	0.00484	2	1	39.1	0
P12163_1_F6,20986	K.GFVLTCVAYPTSDCVI	2939.526	0.00396	3	1	41.1	0
P12163_1_F3,24063	R.LVINGLSLVK.D	1664.093	-0.00381	3	1	41.5	0
P12163_2_F1,6786	K.SAGDTQNP.K.S	1525.843	0.00863	3	1	41.9	0
P12163_2_F2,19510	R.SLWEAMNTK.Q	1687.93	-0.00057	3	1	44.5	0
P12163_1_F4,17678	R.SLGAAVIYNK.D	1643.994	0.00773	2	1	42.4	0
P12163_1_F3,24428	R.DNVIDFVTSSMK.Y	1964.062	-0.00031	3	1	36.5	0
P12163_2_S5,21178	R.AFVPAVLLGEAEHK.A	2089.227	0.00215	3	1	37.6	0
P12163_1_F6,16577	K.LDHYQILK.Y	1637.983	0.00935	2	1	38.7	0
P12163_1_F6,20348	K.SLGNTLEPNELVHNFG	2573.326	-0.00075	3	1	40.1	0
P12163_2_F6,19712	R.IVVVLEHK.I	1544.998	0.00307	3	1	37.5	0
P12163_2_F2,13584	M.AGEASMLK.F	1414.818	0.00955	2	1	40.4	0
P12163_1_F3,26097	R.ALQVLDQVFPK.D	1866.131	0.00519	3	1	39	0
P12163_1_F4,24683	K.LLLGDVLK.D	1478.977	0.00424	3	1	33.6	0
P12163_1_F3,21444	K.GAFELGCTVCPVAIK.N	2230.218	0.01041	3	1	36.4	0
P12163_1_F8,15973	R.VLAEAGTDLNHR.D	1599.876	0.00323	3	1	67.7	0
P12163_2_F1,23840	K.LLLET.LAK.E	1508.987	0.00065	2	1	42.1	0
P12163_1_F9,11934	R.VCGNPHAIR.K	1440.805	0.00237	3	1	37.8	0
P12163_2_F8_12070	K.RLENTAR.H	1163.68	-0.00198	3	1	34.4	0
P12163_1_F3,10358	R.ESSSIQQEAQQQPNNQ	2639.348	0.0045	3	1	41.8	0
P12163_1_F4,20425	K.VTINYPF.K.G	1718.994	0.00821	2	1	37.1	0
P12163_1_F3,18661	R.DISELNLPK.T	1636.973	0.00308	3	1	34.6	0
P12163_1_F5,20246	R.LYQYYLDK.T	1713.967	0.00229	2	1	36.1	0
P12163_1_F9,14033	K.NHLEPFVDGR.A	1487.791	0.00277	3	1	23.4	0
P12163_1_S1,17832	R.FIEDESFER.G	1475.732	0.00547	2	1	39.1	0
P12163_2_F6,12950	K.HVTDLDAIDR.M	1458.785	0.00319	3	1	42.5	0
P12163_1_F3,11137	K.AEEASVETEPK.F	1797.969	0.00303	2	1	39.1	0
P12163_2_F7,17860	R.REELEQLLVAER.V	1789.012	0.00235	3	1	44.2	0
P12163_1_F4,22707	K.SEIEYYAMLAK.V	1926.05	0.00746	3	1	39.9	0
P12163_1_F4,21037	R.SLVDDVLNK.V	1610.957	0.00616	2	1	48.8	0
P12163_2_F6,22308	R.FQIGEVFAHVPR.E	1703.953	0.00148	3	1	46.6	0
P12163_1_F3,15515	R.AAIGVVDPDK.G	1592.947	0.00536	2	1	39.5	0
P12163_1_F9,12510	K.GHAVGDIPGVR.F	1381.785	-0.00273	3	1	38.4	0
P12163_1_F5,21623	R.ASSFSEFFK.H	1657.905	0.00693	3	1	35.1	0
P12163_1_F9,14036	R.LPHLPR.S	1036.657	0.00103	3	1	34	0
P12163_1_F9,13076	K.HIADLAGK.T	1432.873	0.00981	3	1	37	0
P12163_1_S1,21910	R.TFADPFEIYR.A	1562.816	0.00364	3	1	33.4	0

P12163_1_F3,27284	K.VLLELLVPGQK.A	1817.172	0.0056	3	1	38.1	0
P12163_1_S1,18462	K.DLSAALLGPR.S	1316.784	0.00181	3	1	48.9	0
P12163_1_F3,23813	K.NAECLADELADQFK.N	2232.143	0.01078	3	1	35.7	0
P12163_1_F4,17628	R.EALESVVSEQK.Y	1827.032	0.00764	3	1	42.3	0
P12163_1_F3,25396	K.FAFILYDSSSK.N	1886.052	0.00145	2	1	40.2	0
P12163_2_S5,15905	R.GTHAVIVVIDSTDR.A	1786.996	0.0028	3	1	49.9	0
P12163_1_F8,14049	K.AEATPGSALITTSHGK.	2149.207	0.00463	3	1	52.8	0
P12163_1_F5,16852	R.QFVNLQYK.K	1647.968	0.00329	2	1	35.6	0
P12163_1_F2,20266	K.AITAGILAGCSDAIAQF	2268.284	0.00758	3	1	46.6	0
P12163_1_F3,24322	K.LILPVLDK.F	1519.008	0.00255	3	1	33.3	0
P12163_2_F6,18076	R.IVHAPVFLR.C	1355.846	0.00519	3	1	39.4	0
P12163_2_F4,16974	R.VVEIEEPAADHGAVVI	2108.165	-0.00184	3	1	37.8	0
P12163_2_F2,8610	K.GCVEQCEK.T	1617.818	0.0035	2	1	36.7	0
P12163_1_F3,19145	K.VDIISVGP.K.E	1606.999	0.01005	2	1	36.9	0
P12163_1_S1,18295	K.LLLTPAEGNAAAQAA.	2305.333	0.00389	3	1	48	0
P12163_1_S1,9200	K.SSASGSVSQTQSASNQ	2371.175	0.00601	3	1	49.9	0
P12163_2_F6,18844	K.IFLDHLEGT.P.R.I	1601.895	0.00226	3	1	45.9	0
P12163_1_F7,21813	K.EASHVEGFSPELALVT	2706.492	0.00506	4	1	35.9	0
P12163_1_F7,19768	R.FGQEEETY.NIVAAHGY	2492.215	0.00218	3	1	44.1	0
P12163_1_F3,15821	R.LGANVGS.AQGPTGLG.I	2035.176	0.0088	3	1	56.4	0
P12163_1_F3,23081	R.IGNNEITILVNDAEK.S	2251.275	0.00323	3	1	50.7	0
P12163_2_F1,17161	R.IASTNITENVV.K.I	1897.121	0.00503	2	1	58.1	0
P12163_1_F6,16581	R.NAVQAAGDVALPNQF	2760.375	0.00111	3	1	50.7	0
P12163_1_S1,22678	K.QELLNLIADQDR.G	1731.954	0.00377	3	1	53.9	0
P12163_1_F2,17731	R.QQLQEAEAE.LER.L	1747.913	0.00575	2	1	45.3	0
P12163_1_F3,24633	K.VFGGQLVGQALAAAS	2125.259	0.00609	3	1	39	0
P12163_2_F6,16087	K.LTGEAILVHR.G	1412.853	0.00259	3	1	42.4	0
P12163_1_F3,27943	K.LILAILDNQNLGK.L	2033.258	0.00695	3	1	36.7	0
P12163_1_S1,23132	K.LEGFSVLQLAQR.E	1664.964	0.002	3	1	48.7	0
P12163_1_F7,18980	K.GFDQATNII.LDESHER.	2149.083	-0.0007	3	1	40.6	0
P12163_1_S1,24902	R.QILQSALVVLEQR.R	1801.085	0.00159	3	1	37.6	0
P12163_1_F3,11434	K.QVAEAGGENVEAGEK	2096.108	0.0076	3	1	42.2	0
P12163_1_F4,26169	R.VFYDLLEK.G	1634.961	0.00739	2	1	43.8	0
P12163_1_F5,11342	R.NMQPIP.NQK.I	1677.957	0.0022	2	1	36.8	0
P12163_1_F4,23776	R.IEELLQEDQN.VK.H	2066.159	0.00796	3	1	34.7	0
P12163_2_F1,12428	K.SISSQPQN.QFK.S	1872.044	0.00044	2	1	46	0
P12163_1_F3,22253	R.IDQIISAGEIGK.S	1852.1	0.01372	3	1	48.7	0
P12163_2_F7,6055	K.HDETSQHVEATE.-	1686.787	0.00437	3	1	35.1	0
P12163_1_F8,20547	R.ATAEHLFEVINSR.E	1790.97	0.001	3	1	41.4	0
P12163_1_F4,16731	K.LQSELVGNASK.V	1754.027	0.00951	2	1	40.1	0
P12163_1_F8,11830	K.EDVTLQVHGDR.I	1572.828	0.00571	3	1	44.7	0
P12163_1_S1,22000	R.LIVSYPSLLR.Q	1464.909	0.00171	3	1	40.3	0
P12163_1_F4,21893	R.NWTIENATQLGLK.G	2096.196	0.00422	3	1	35	0
P12163_1_F3,26659	R.LAEISDLVSLK.F	1796.099	-0.00008	3	1	34.7	0
P12163_2_F2,7648	K.AETGGAGGGPK.I	1509.848	0.00707	2	1	38.3	0
P12163_1_F9,11933	K.HDEIIVGCQSGK.R	1951.053	0.00863	3	1	35.1	0
P12163_1_S1,12278	K.TIVNNESA.EIIR.M	1662.933	0.00222	3	1	43	0

ExpectValu Ions	Reference	DIFF_MOIPI	Miss	Mod	Mat	Nurr	Engine	Tag	Dec	ITRAQ_T
1.86E-02 0|0	Cs6g21770.1/Cs6g217	4.03	0	0	0	2	MASCOT	T	PLEX8	
2.49E-06 0|0	Cs6g21770.1/Cs6g217	4.03	0	0	0	2	MASCOT	T	PLEX8	
3.06E-06 0|0	Cs6g21770.1/Cs6g217	4.03	0	0	0	2	MASCOT	T	PLEX8	
2.46E-06 0|0	Cs6g21770.1/Cs6g217	4.03	0	0	0	2	MASCOT	T	PLEX8	
1.02E-02 0|0	Cs6g21770.1/Cs6g217	4.03	0	0	0	2	MASCOT	T	PLEX8	
4.96E-05 0|0	Cs6g21770.1/Cs6g217	4.03	0	0	0	2	MASCOT	T	PLEX8	
9.45E-02 0|0	Cs6g21770.1/Cs6g217	4.03	0	0	0	2	MASCOT	T	PLEX8	
7.60E-06 0|0	Cs6g21770.1/Cs6g217	4.03	0	0	0	2	MASCOT	T	PLEX8	
1.63E-02 0|0	Cs6g21770.1/Cs6g217	4.03	0	0	0	2	MASCOT	T	PLEX8	
6.96E-04 0|0	Cs6g21770.1/Cs6g217	4.03	0	0	0	2	MASCOT	T	PLEX8	
3.06E-03 0|0	Cs6g21770.1/Cs6g217	4.03	0	0	0	2	MASCOT	T	PLEX8	
3.90E-05 0|0	Cs6g21770.1/Cs6g217	4.03	0	0	0	2	MASCOT	T	PLEX8	
4.10E-04 0|0	Cs6g21770.1/Cs6g217	4.03	0	0	0	2	MASCOT	T	PLEX8	
1.28E-01 0|0	Cs6g21770.1/Cs6g217	4.53	0	15.9	0	2	MASCOT	T		
2.63E-03 0|0	Cs6g21770.1/Cs6g217	4.53	0	15.9	0	2	MASCOT	T		
1.55E-02 0|0	Cs6g21770.1/Cs6g217	4.53	0	0	0	2	MASCOT	T		
5.27E-05 0|0	Cs6g21770.1/Cs6g217	4.53	0	0	0	2	MASCOT	T		
3.93E-06 0|0	Cs6g21770.1/Cs6g217	4.53	0	0	0	2	MASCOT	T		
3.93E-05 0|0	Cs6g21770.1/Cs6g217	4.53	0	0	0	2	MASCOT	T		
2.09E-02 0|0	Cs6g21770.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8	
1.66E-01 0|0	Cs6g21770.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8	
1.60E-01 0|0	Cs6g21770.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8	
5.18E-03 0|0	Cs6g21770.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8	
2.10E-01 0|0	Cs6g21770.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8	
8.92E-04 0|0	Cs6g21770.1	5.84	0	0	0	2	MASCOT	T	PLEX8	
1.11E-03 0|0	Cs6g21770.1	5.84	0	0	0	2	MASCOT	T	PLEX8	
9.06E-02 0|0	Cs6g21770.1	5.84	0	0	0	2	MASCOT	T	PLEX8	
1.01E-03 0|0	Cs6g21770.1	5.84	0	0	0	2	MASCOT	T	PLEX8	
8.16E-02 0|0	Cs6g21770.1	5.84	0	0	0	2	MASCOT	T	PLEX8	
1.75E-03 0|0	Cs6g21770.1	5.84	0	0	0	2	MASCOT	T	PLEX8	
1.35E-01 0|0	Cs6g21770.1/Cs6g217	4.53	0	0	0	2	MASCOT	T	PLEX8	
7.24E-02 0|0	Cs6g21770.1/Cs6g217	4.53	0	0	0	2	MASCOT	T	PLEX8	
2.28E-02 0|0	Cs6g21770.1/Cs6g217	4.53	0	0	0	2	MASCOT	T	PLEX8	
3.31E-01 0|0	Cs6g21770.1/Cs6g217	4.53	0	0	0	2	MASCOT	T	PLEX8	
5.38E-03 0|0	Cs6g21770.1/Cs6g217	4.53	0	0	0	2	MASCOT	T	PLEX8	
4.57E-02 0|0	Cs6g21770.1/Cs6g217	4.53	0	0	0	2	MASCOT	T	PLEX8	
8.06E-03 0|0	Cs6g21770.1/Cs6g217	4.53	0	0	0	2	MASCOT	T	PLEX8	
5.71E-02 0|0	Cs6g21770.1/Cs6g217	4.53	0	0	0	2	MASCOT	T	PLEX8	
8.64E-02 0|0	Cs6g21770.1/Cs6g217	4.53	0	0	0	2	MASCOT	T	PLEX8	
1.88E-02 0|0	Cs6g21770.1/Cs6g217	4.53	0	0	0	2	MASCOT	T	PLEX8	
1.57E-02 0|0	Cs6g21770.1/Cs6g217	4.53	0	0	0	2	MASCOT	T	PLEX8	
1.31E-02 0|0	Cs6g21770.1/Cs6g217	4.53	0	0	0	2	MASCOT	T	PLEX8	
1.83E-01 0|0	Cs6g21770.1/Cs6g217	4.53	0	0	0	2	MASCOT	T	PLEX8	
5.29E-01 0|0	Cs6g21760.1/Cs6g217	6	0	0	0	2	MASCOT	T	PLEX8	
7.63E-02 0|0	Cs6g21760.1/Cs6g217	6	0	0	0	2	MASCOT	T	PLEX8	
1.22E-01 0|0	Cs6g21760.1/Cs6g217	6	0	0	0	2	MASCOT	T	PLEX8	
5.92E-04 0|0	Cs6g21760.1/Cs6g217	6	0	0	0	2	MASCOT	T	PLEX8	
8.81E-03 0|0	Cs6g21760.1/Cs6g217	6	0	0	0	2	MASCOT	T	PLEX8	
1.69E-01 0|0	Cs6g21760.1/Cs6g217	6	0	0	0	2	MASCOT	T	PLEX8	
5.14E-05 0|0	Cs6g21760.1/Cs6g217	6	0	0	0	2	MASCOT	T	PLEX8	

6.00E-03	0|0	Cs6g21760.1/Cs6g217	6	0	0	2	MASCOT	T	PLEX8	
2.50E-02	0|0	Cs6g21760.1/Cs6g217	6	0	0	2	MASCOT	T		
3.72E-01	0|0	Cs6g21760.1/Cs6g217	6	0	0	2	MASCOT	T	PLEX8	
5.10E-01	0|0	Cs6g21760.1/Cs6g217	6	0	0	2	MASCOT	T		
2.72E-01	0|0	Cs6g21760.1/Cs6g217	6	0	0	2	MASCOT	T		
6.79E-02	0|0	Cs5g11720.1/Cs5g117	5.84	0	0	2	MASCOT	T	PLEX8	
3.38E-03	0|0	Cs5g11720.1/Cs5g117	5.84	0	0	2	MASCOT	T		
9.72E-02	0|0	Cs5g11720.1/Cs5g117	5.84	0	0	2	MASCOT	T		
8.05E-03	0|0	Cs6g21770.1/Cs6g217	5.84	0	15.9	0	2	MASCOT	T	PLEX8
1.23E-03	0|0	Cs6g21770.1/Cs6g217	5.33	0	0	2	MASCOT	T	PLEX8	
1.16E-01	0|0	Cs6g21770.1/Cs6g217	5.33	0	0	2	MASCOT	T	PLEX8	
1.46E-03	0|0	Cs6g21770.1/Cs6g217	5.33	0	0	2	MASCOT	T	PLEX8	
8.68E-04	0|0	Cs6g21770.1/Cs6g217	5.33	0	0	2	MASCOT	T	PLEX8	
1.89E-03	0|0	Cs6g21770.1/Cs6g217	5.33	0	0	2	MASCOT	T	PLEX8	
3.92E-01	0|0	Cs6g21770.1/Cs6g217	4.68	0	0	2	MASCOT	T	PLEX8	
4.87E-01	0|0	Cs6g21770.1/Cs6g217	4.68	0	0	2	MASCOT	T	PLEX8	
2.19E-03	0|0	Cs6g21770.1/Cs6g217	4.68	0	0	2	MASCOT	T	PLEX8	
6.12E-02	0|0	Cs7g06240.1/Cs7g062	6	0	0	2	MASCOT	T	PLEX8	
1.02E-03	0|0	Cs7g06240.1/Cs7g062	6	0	0	2	MASCOT	T	PLEX8	
6.15E-04	0|0	Cs7g06240.1/Cs7g062	6	0	0	2	MASCOT	T	PLEX8	
4.25E-03	0|0	Cs7g06240.1/Cs7g062	6	0	0	2	MASCOT	T	PLEX8	
4.20E-03	0|0	Cs7g06240.1/Cs7g062	6	0	0	2	MASCOT	T	PLEX8	
1.28E-01	0|0	Cs7g06240.1/Cs7g062	6	0	0	2	MASCOT	T		
6.49E-04	0|0	Cs7g06240.1/Cs7g062	6	0	0	2	MASCOT	T	PLEX8	
3.03E-01	0|0	Cs7g06240.1/Cs7g062	6	0	0	2	MASCOT	T		
1.05E-05	0|0	Cs7g06240.1/Cs7g062	6	0	0	2	MASCOT	T	PLEX8	
6.25E-05	0|0	Cs7g06240.1/Cs7g062	6	0	0	2	MASCOT	T	PLEX8	
7.74E-02	0|0	Cs7g06240.1/Cs7g062	6	0	0	2	MASCOT	T	PLEX8	
3.54E-02	0|0	Cs7g06240.1/Cs7g062	6	0	0	2	MASCOT	T	PLEX8	
6.61E-03	0|0	Cs7g06240.1/Cs7g062	6	0	0	2	MASCOT	T		
3.15E-02	0|0	Cs6g21770.1/Cs6g217	5.66	0	0	2	MASCOT	T	PLEX8	
5.33E-03	0|0	Cs6g21770.1/Cs6g217	5.66	0	0	2	MASCOT	T	PLEX8	
1.09E-02	0|0	Cs6g21770.1/Cs6g217	5.66	0	0	2	MASCOT	T	PLEX8	
1.41E-01	0|0	Cs6g21770.1/Cs6g217	5.66	0	0	2	MASCOT	T	PLEX8	
2.22E-01	0|0	Cs6g21770.1/Cs6g217	5.66	0	0	2	MASCOT	T	PLEX8	
1.07E-02	0|0	Cs6g21760.1/Cs6g217	5.97	0	0	2	MASCOT	T		
4.49E-02	0|0	Cs6g21760.1/Cs6g217	5.97	0	0	2	MASCOT	T		
1.47E-02	0|0	Cs6g21760.1/Cs6g217	5.97	0	0	2	MASCOT	T		
2.08E-05	0|0	Cs6g21760.1/Cs6g217	5.97	0	0	2	MASCOT	T		
1.09E-03	0|0	Cs6g21760.1/Cs6g217	5.97	0	0	2	MASCOT	T		
4.09E-02	0|0	Cs6g21770.1/Cs6g217	8.75	0	0	2	MASCOT	T	PLEX8	
2.71E-01	0|0	Cs6g21770.1	4.53	0	0	2	MASCOT	T		
4.04E-01	0|0	Cs6g21770.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.86E-01	0|0	Cs6g21770.1/Cs6g217	8.75	0	0	2	MASCOT	T	PLEX8	
2.73E-02	0|0	Cs6g21770.1/Cs6g217	8.75	0	0	2	MASCOT	T		
9.17E-02	0|0	Cs6g21770.1/Cs6g217	8.75	0	0	2	MASCOT	T	PLEX8	
6.15E-03	0|0	Cs6g21770.1/Cs6g217	4.68	1	0	2	MASCOT	T	PLEX8	
1.33E-03	0|0	Cs6g21770.1/Cs6g217	4.68	1	0	2	MASCOT	T	PLEX8	
2.92E-01	0|0	Cs6g21770.1/Cs6g217	8.8	0	15.9	0	2	MASCOT	T	
3.60E-02	0|0	Cs6g21770.1/Cs6g217	8.8	0	15.9	0	2	MASCOT	T	
2.89E-01	0|0	Cs6g21770.1/Cs6g217	8.8	0	0	2	MASCOT	T		

4.07E-02	0|0	Cs2g14410.1/Cs2g144	4.37	0	0	2	MASCOT	T	PLEX8	
2.28E-03	0|0	Cs2g14410.1/Cs2g144	4.37	0	0	2	MASCOT	T		
1.57E-08	0|0	Cs2g14410.1/Cs2g144	4.37	0	0	2	MASCOT	T		
5.34E-02	0|0	Cs2g14410.1/Cs2g144	6.06	1	0	2	MASCOT	T	PLEX8	
2.41E-03	0|0	Cs2g14410.1/Cs2g144	6.06	1	0	2	MASCOT	T	PLEX8	
1.81E-01	0|0	Cs6g21770.1/Cs6g217	8.25	0	0	2	MASCOT	T	PLEX8	
1.85E-01	0|0	Cs6g21770.1	5.84	0	0	2	MASCOT	T	PLEX8	
1.43E-03	0|0	Cs6g21770.1	5.84	0	0	2	MASCOT	T	PLEX8	
9.96E-03	0|0	Cs6g21770.1	5.84	0	0	2	MASCOT	T	PLEX8	
1.96E-01	0|0	Cs6g21770.1	5.84	0	0	2	MASCOT	T	PLEX8	
2.30E-02	0|0	Cs6g21770.1	5.84	0	0	2	MASCOT	T		
2.26E-02	0|0	Cs6g21760.1/Cs6g217	4.37	0	0	2	MASCOT	T	PLEX8	
1.04E-02	0|0	Cs6g21760.1/Cs6g217	4.37	0	0	2	MASCOT	T		
1.55E-03	0|0	Cs6g21760.1/Cs6g217	4.37	0	0	2	MASCOT	T		
5.97E-03	0|0	Cs6g21760.1/Cs6g217	4.37	0	0	2	MASCOT	T		
7.61E-04	0|0	Cs6g21760.1/Cs6g217	4.37	0	0	2	MASCOT	T		
1.56E-02	0|0	Cs6g21770.1/Cs6g217	5.84	0	0	2	MASCOT	T	PLEX8	
1.01E-01	0|0	Cs6g21770.1/Cs6g217	5.84	0	0	2	MASCOT	T	PLEX8	
8.10E-03	0|0	Cs6g21770.1/Cs6g217	4	0	0	2	MASCOT	T	PLEX8	
7.52E-03	0|0	Cs6g21770.1/Cs6g217	4	0	0	2	MASCOT	T		
4.61E-04	0|0	Cs6g21770.1/Cs6g217	4	0	0	2	MASCOT	T		
1.12E-01	0|0	Cs6g21770.1/Cs6g217	4	0	0	2	MASCOT	T		
3.64E-01	0|0	Cs6g21770.1/Cs6g217	4	0	0	2	MASCOT	T		
9.02E-03	0|0	Cs6g21770.1/Cs6g217	4	0	0	2	MASCOT	T		
5.18E-03	0|0	Cs6g21770.1/Cs6g217	4	0	0	2	MASCOT	T		
6.36E-07	0|0	Cs6g21770.1/Cs6g217	4	0	0	2	MASCOT	T		
6.75E-03	0|0	Cs6g21770.1/Cs6g217	4	0	0	2	MASCOT	T	PLEX8	
6.70E-02	0|0	Cs2g14410.1/Cs2g144	4.14	0	15.9	0	2	MASCOT	T	PLEX8
6.40E-04	0|0	Cs2g14410.1/Cs2g144	4.14	0	0	2	MASCOT	T	PLEX8	
5.38E-02	0|0	Cs2g14410.1/Cs2g144	4.14	0	0	2	MASCOT	T	PLEX8	
7.92E-03	0|0	Cs2g14410.1/Cs2g144	4.14	0	0	2	MASCOT	T	PLEX8	
8.70E-03	0|0	Cs6g21770.1/Cs6g217	4.03	0	0	2	MASCOT	T	PLEX8	
3.44E-02	0|0	Cs6g21770.1/Cs6g217	5.84	0	0	2	MASCOT	T		
1.01E-03	0|0	Cs6g21770.1/Cs6g217	8.59	1	15.9	0	2	MASCOT	T	PLEX8
2.72E-01	0|0	Cs6g21770.1/Cs6g217	4.53	0	0	2	MASCOT	T	PLEX8	
2.54E-02	0|0	Cs6g21770.1/Cs6g217	4.53	0	0	2	MASCOT	T	PLEX8	
4.09E-01	0|0	Cs6g21770.1/Cs6g217	4.53	0	0	2	MASCOT	T	PLEX8	
3.53E-01	0|0	Cs6g21770.1/Cs6g217	4.53	0	0	2	MASCOT	T		
1.96E-02	0|0	Cs6g21770.1/Cs6g217	4.53	0	0	2	MASCOT	T	PLEX8	
2.44E-02	0|0	Cs6g21770.1/Cs6g217	4.53	0	0	2	MASCOT	T		
2.47E-01	0|0	Cs6g21760.1/Cs6g217	4.53	0	0	2	MASCOT	T	PLEX8	
9.84E-02	0|0	Cs6g21760.1/Cs6g217	4.53	0	0	2	MASCOT	T	PLEX8	
2.16E-01	0|0	Cs6g21760.1/Cs6g217	4.53	0	0	2	MASCOT	T	PLEX8	
5.56E-02	0|0	Cs6g21760.1/Cs6g217	4.53	0	0	2	MASCOT	T	PLEX8	
2.10E-01	0|0	Cs6g21760.1/Cs6g217	4.53	0	0	2	MASCOT	T	PLEX8	
1.30E-01	0|0	Cs6g21760.1/Cs6g217	4.53	0	0	2	MASCOT	T	PLEX8	
3.88E-01	0|0	Cs6g21760.1/Cs6g217	4.53	0	0	2	MASCOT	T	PLEX8	
8.31E-02	0|0	Cs6g21760.1/Cs6g217	4.53	0	0	2	MASCOT	T	PLEX8	
8.45E-02	0|0	Cs6g21760.1/Cs6g217	4.53	0	0	2	MASCOT	T	PLEX8	
5.25E-04	0|0	Cs6g21770.1/Cs6g217	4.75	0	0	2	MASCOT	T	PLEX8	
9.28E-03	0|0	Cs6g21770.1/Cs6g217	4.53	0	0	2	MASCOT	T	PLEX8	

7.06E-02	0|0	Cs6g21770.1/Cs6g217	4.53	0	0	2	MASCOT	T	PLEX8
1.70E-01	0|0	Cs6g21770.1	4.03	0	0	2	MASCOT	T	PLEX8
3.50E-02	0|0	Cs6g21770.1	4.03	0	0	2	MASCOT	T	PLEX8
2.53E-02	0|0	Cs6g21770.1	4.03	0	0	2	MASCOT	T	PLEX8
2.19E-02	0|0	Cs6g21770.1	4.03	0	0	2	MASCOT	T	PLEX8
2.68E-01	0|0	Cs6g21770.1	4.03	0	0	2	MASCOT	T	PLEX8
4.49E-03	0|0	Cs6g21770.1/Cs6g217	3.84	1	0	2	MASCOT	T	
2.43E-05	0|0	Cs6g21770.1/Cs6g217	3.84	1	0	2	MASCOT	T	
6.99E-05	0|0	Cs6g21770.1/Cs6g217	3.84	1	0	2	MASCOT	T	
6.88E-07	0|0	Cs6g21770.1/Cs6g217	3.84	1	0	2	MASCOT	T	
6.30E-08	0|0	Cs6g21770.1/Cs6g217	3.84	1	0	2	MASCOT	T	
1.29E-04	0|0	Cs6g21770.1/Cs6g217	4.53	0	0	2	MASCOT	T	PLEX8
6.52E-03	0|0	Cs6g21770.1/Cs6g217	4.53	0	0	2	MASCOT	T	PLEX8
6.79E-06	0|0	Cs6g21770.1/Cs6g217	4.53	0	0	2	MASCOT	T	PLEX8
3.30E-04	0|0	Cs6g21770.1/Cs6g217	4.53	0	0	2	MASCOT	T	PLEX8
7.40E-02	0|0	Cs6g21770.1/Cs6g217	4.53	0	0	2	MASCOT	T	PLEX8
9.35E-02	0|0	Cs6g21770.1/Cs6g217	4.53	0	0	2	MASCOT	T	PLEX8
1.35E-01	0|0	Cs6g21770.1/Cs6g217	4.53	0	0	2	MASCOT	T	PLEX8
9.19E-02	0|0	Cs6g21770.1/Cs6g217	4.53	0	0	2	MASCOT	T	PLEX8
7.13E-02	0|0	Cs6g21770.1/Cs6g217	4.53	0	0	2	MASCOT	T	PLEX8
1.53E-01	0|0	Cs6g21770.1/Cs6g217	5.81	0	0	2	MASCOT	T	PLEX8
2.45E-03	0|0	Cs6g21770.1/Cs6g217	5.81	0	0	2	MASCOT	T	PLEX8
2.20E-03	0|0	Cs6g21770.1/Cs6g217	5.81	0	0	2	MASCOT	T	PLEX8
3.76E-02	0|0	Cs6g21770.1/Cs6g217	5.81	0	0	2	MASCOT	T	PLEX8
6.59E-02	0|0	Cs6g21770.1/Cs6g217	5.81	0	0	2	MASCOT	T	PLEX8
5.52E-02	0|0	Cs6g21770.1/Cs6g217	5.81	0	0	2	MASCOT	T	PLEX8
4.10E-02	0|0	Cs6g21770.1/Cs6g217	5.81	0	0	2	MASCOT	T	PLEX8
5.30E-02	0|0	Cs6g21770.1/Cs6g217	5.81	0	0	2	MASCOT	T	PLEX8
1.22E-02	0|0	Cs6g21770.1/Cs6g217	6.92	0	0	2	MASCOT	T	PLEX8
4.34E-02	0|0	Cs6g21770.1/Cs6g217	6.92	0	0	2	MASCOT	T	PLEX8
1.08E-02	0|0	Cs6g21770.1/Cs6g217	6.92	0	0	2	MASCOT	T	PLEX8
1.27E-02	0|0	Cs6g21770.1/Cs6g217	6.92	0	0	2	MASCOT	T	PLEX8
9.96E-03	0|0	Cs6g21770.1/Cs6g217	6.92	0	0	2	MASCOT	T	PLEX8
2.80E-02	0|0	Cs6g21770.1/Cs6g217	6.92	0	0	2	MASCOT	T	PLEX8
9.28E-03	0|0	Cs6g21770.1/Cs6g217	6.92	0	0	2	MASCOT	T	PLEX8
1.17E-02	0|0	Cs6g21770.1/Cs6g217	6.92	0	0	2	MASCOT	T	PLEX8
6.35E-03	0|0	Cs6g21770.1/Cs6g217	6.92	0	0	2	MASCOT	T	PLEX8
2.85E-02	0|0	Cs6g21770.1/Cs6g217	6.92	0	0	2	MASCOT	T	PLEX8
3.26E-02	0|0	Cs6g21770.1/Cs6g217	6.92	0	0	2	MASCOT	T	
4.63E-02	0|0	Cs6g21770.1/Cs6g217	6.92	0	0	2	MASCOT	T	
4.97E-02	0|0	Cs6g21770.1/Cs6g217	6.92	0	0	2	MASCOT	T	
1.09E-04	0|0	Cs6g11350.1/Cs6g113	4.25	0	0	2	MASCOT	T	PLEX8
1.24E-01	0|0	Cs6g11350.1/Cs6g113	4.32	1	0	2	MASCOT	T	PLEX8
1.74E-01	0|0	Cs6g11350.1/Cs6g113	6.1	0	0	2	MASCOT	T	PLEX8
5.57E-04	0|0	Cs6g11350.1/Cs6g113	4.75	0	0	2	MASCOT	T	PLEX8
9.10E-03	0|0	Cs6g11350.1/Cs6g113	4.75	0	0	2	MASCOT	T	PLEX8
6.26E-02	0|0	Cs6g11350.1/Cs6g113	4.56	0	0	2	MASCOT	T	PLEX8
7.10E-03	0|0	Cs6g11350.1/Cs6g113	4.25	0	0	2	MASCOT	T	PLEX8
9.48E-02	0|0	Cs6g11350.1/Cs6g113	4.25	0	0	2	MASCOT	T	PLEX8
1.34E-03	0|0	Cs6g11350.1/Cs6g113	4.25	0	0	2	MASCOT	T	PLEX8
4.18E-03	0|0	Cs6g11350.1/Cs6g113	4.25	0	0	2	MASCOT	T	PLEX8

4.49E-06	0|0	Cs6g11350.1/Cs6g113	5.33	0	0	2	MASCOT	T	
2.15E-01	0|0	Cs6g11350.1/Cs6g113	4.09	0	0	2	MASCOT	T	PLEX8
1.50E-04	0|0	Cs6g11350.1/Cs6g113	4.09	0	0	2	MASCOT	T	PLEX8
4.19E-04	0|0	Cs6g11350.1/Cs6g113	4.25	0	0	2	MASCOT	T	PLEX8
2.10E-03	0|0	Cs6g11350.1/Cs6g113	4.25	0	0	2	MASCOT	T	PLEX8
2.87E-05	0|0	Cs6g11350.1/Cs6g113	4.25	0	0	2	MASCOT	T	PLEX8
1.37E-02	0|0	Cs6g11350.1/Cs6g113	4.25	0	0	2	MASCOT	T	PLEX8
1.03E-01	0|0	Cs6g11350.1/Cs6g113	6	0	0	2	MASCOT	T	
9.55E-02	0|0	Cs6g11350.1/Cs6g113	8.75	0	0	2	MASCOT	T	PLEX8
1.76E-01	0|0	Cs6g11350.1/Cs6g113	8.75	0	0	2	MASCOT	T	PLEX8
6.20E-04	0|0	Cs6g11350.1/Cs6g113	4.25	0	0	2	MASCOT	T	PLEX8
2.41E-03	0|0	Cs6g11350.1/Cs6g113	4.25	0	0	2	MASCOT	T	PLEX8
6.26E-02	0|0	Cs6g11350.1/Cs6g113	4.25	0	0	2	MASCOT	T	PLEX8
1.02E-01	0|0	Cs6g11350.1/Cs6g113	4.53	0	0	2	MASCOT	T	PLEX8
2.06E-01	0|0	Cs6g11350.1/Cs6g113	6	0	0	2	MASCOT	T	PLEX8
2.02E-01	0|0	Cs6g11350.1/Cs6g113	6	0	0	2	MASCOT	T	PLEX8
3.70E-03	0|0	Cs6g11350.1/Cs6g113	4.25	0	0	2	MASCOT	T	
3.66E-03	0|0	Cs6g11350.1/Cs6g113	4.25	0	0	2	MASCOT	T	
3.49E-04	0|0	Cs6g11350.1/Cs6g113	4.25	0	0	2	MASCOT	T	
3.07E-02	0|0	Cs6g11350.1/Cs6g113	4.25	0	0	2	MASCOT	T	PLEX8
4.12E-03	0|0	Cs6g11350.1/Cs6g113	4.25	0	0	2	MASCOT	T	PLEX8
2.67E-04	0|0	Cs6g11350.1/Cs6g113	4.75	0	0	2	MASCOT	T	PLEX8
3.00E-04	0|0	Cs6g11350.1/Cs6g113	4.14	0	0	2	MASCOT	T	
2.44E-01	0|0	Cs6g11350.1/Cs6g113	4.53	0	0	2	MASCOT	T	PLEX8
4.42E-02	0|0	Cs6g11350.1/Cs6g113	4.25	0	0	2	MASCOT	T	
2.20E-04	0|0	Cs6g11350.1/Cs6g113	4.25	0	0	2	MASCOT	T	
1.16E-01	0|0	Cs6g11350.1/Cs6g113	4.14	0	0	2	MASCOT	T	PLEX8
2.85E-01	0|0	Cs6g11350.1/Cs6g113	4.14	0	0	2	MASCOT	T	PLEX8
1.74E-01	0|0	Cs6g11350.1/Cs6g113	4.14	0	0	2	MASCOT	T	PLEX8
8.96E-02	0|0	Cs6g11350.1/Cs6g113	4.25	0	0	2	MASCOT	T	
3.56E-03	0|0	Cs6g11350.1/Cs6g113	6	0	0	2	MASCOT	T	PLEX8
5.38E-05	0|0	Cs6g11350.1/Cs6g113	4.25	0	0	2	MASCOT	T	PLEX8
8.38E-05	0|0	Cs6g11350.1/Cs6g113	4.25	0	0	2	MASCOT	T	PLEX8
6.11E-02	0|0	Cs6g11350.1/Cs6g113	4.25	0	0	2	MASCOT	T	PLEX8
5.05E-03	0|0	Cs6g11350.1/Cs6g113	4.14	0	0	2	MASCOT	T	PLEX8
7.21E-02	0|0	Cs6g11350.1/Cs6g113	4.14	0	0	2	MASCOT	T	PLEX8
2.22E-01	0|0	Cs6g11350.1/Cs6g113	4.53	0	0	2	MASCOT	T	PLEX8
1.05E-04	0|0	Cs6g11350.1/Cs6g113	4.53	0	0	2	MASCOT	T	
2.86E-03	0|0	Cs6g11350.1/Cs6g113	4	0	0	2	MASCOT	T	PLEX8
5.43E-02	0|0	Cs6g11350.1/Cs6g113	4.53	0	0	2	MASCOT	T	PLEX8
3.30E-02	0|0	Cs6g11350.1/Cs6g113	4.53	0	0	2	MASCOT	T	PLEX8
1.64E-02	0|0	Cs6g11350.1/Cs6g113	4.25	0	0	2	MASCOT	T	PLEX8
5.17E-03	0|0	Cs6g11350.1/Cs6g113	6	0	0	2	MASCOT	T	PLEX8
2.73E-03	0|0	Cs6g11350.1/Cs6g113	6	0	0	2	MASCOT	T	PLEX8
1.74E-03	0|0	Cs6g11350.1/Cs6g113	4.21	0	0	2	MASCOT	T	PLEX8
2.21E-01	0|0	Cs6g11350.1/Cs6g113	6	0	0	2	MASCOT	T	PLEX8
3.60E-02	0|0	Cs6g11350.1/Cs6g113	4.37	0	0	2	MASCOT	T	PLEX8
1.19E-03	0|0	Cs6g11350.1/Cs6g113	3.92	0	0	2	MASCOT	T	PLEX8
4.37E-02	0|0	Cs6g11350.1/Cs6g113	6.47	0	0	2	MASCOT	T	PLEX8
1.53E-03	0|0	Cs6g11350.1/Cs6g113	4.65	0	0	2	MASCOT	T	PLEX8
8.63E-04	0|0	Cs6g11350.1/Cs6g113	4.65	0	0	2	MASCOT	T	PLEX8

4.35E-03	0|0	Cs6g11350.1/Cs6g113	4.25	0	0	2	MASCOT	T	PLEX8	
2.96E-04	0|0	Cs6g11350.1/Cs6g113	4.25	0	0	2	MASCOT	T	PLEX8	
6.81E-03	0|0	Cs7g31810.1/Cs7g318	8.63	0	0	2	MASCOT	T	PLEX8	
3.78E-03	0|0	Cs7g31810.1/Cs7g318	4.83	0	0	2	MASCOT	T		
3.07E-01	0|0	Cs7g31810.1/Cs7g318	6.05	0	0	2	MASCOT	T		
7.02E-06	0|0	Cs7g31810.1/Cs7g318	4.37	0	0	2	MASCOT	T	PLEX8	
2.17E-01	0|0	Cs7g31810.1/Cs7g318	6	0	0	2	MASCOT	T		
6.45E-02	0|0	Cs7g31810.1/Cs7g318	6	0	0	2	MASCOT	T		
4.57E-08	0|0	Cs7g31810.1/Cs7g318	4.41	0	15.9	0	2	MASCOT	T	PLEX8
2.07E-07	0|0	Cs7g31810.1/Cs7g318	4.41	0	15.9	0	2	MASCOT	T	PLEX8
6.08E-06	0|0	Cs7g31810.1/Cs7g318	4.41	0	15.9	0	2	MASCOT	T	
3.84E-08	0|0	Cs7g31810.1/Cs7g318	4.41	0	15.9	0	2	MASCOT	T	
5.74E-06	0|0	Cs7g31810.1/Cs7g318	4.41	0	0	2	MASCOT	T	PLEX8	
7.13E-02	0|0	Cs7g31810.1/Cs7g318	4.37	0	15.9	0	2	MASCOT	T	PLEX8
8.26E-02	0|0	Cs7g31810.1/Cs7g318	4.37	0	0	2	MASCOT	T	PLEX8	
5.41E-06	0|0	Cs7g31810.1/Cs7g318	5.4	0	0	2	MASCOT	T	PLEX8	
6.90E-05	0|0	Cs7g31810.1/Cs7g318	5.4	0	0	2	MASCOT	T	PLEX8	
3.97E-02	0|0	Cs7g31810.1/Cs7g318	8.75	0	0	2	MASCOT	T	PLEX8	
2.19E-03	0|0	Cs7g31810.1/Cs7g318	8.75	0	0	2	MASCOT	T	PLEX8	
1.29E-01	0|0	Cs7g31810.1/Cs7g318	5.96	0	0	2	MASCOT	T	PLEX8	
1.09E-02	0|0	Cs7g31810.1/Cs7g318	4.41	0	0	2	MASCOT	T	PLEX8	
1.42E-01	0|0	Cs7g31810.1/Cs7g318	4.37	0	0	2	MASCOT	T	PLEX8	
1.71E-01	0|0	Cs7g31810.1/Cs7g318	4.37	0	0	2	MASCOT	T	PLEX8	
1.08E-01	0|0	Cs7g31810.1/Cs7g318	4.37	0	0	2	MASCOT	T	PLEX8	
2.11E-02	0|0	Cs7g31810.1/Cs7g318	5.45	1	0	2	MASCOT	T	PLEX8	
1.91E-03	0|0	Cs7g31810.1/Cs7g318	8.47	0	0	2	MASCOT	T	PLEX8	
9.35E-02	0|0	Cs7g31810.1/Cs7g318	8.47	0	0	2	MASCOT	T	PLEX8	
1.11E-04	0|0	Cs7g31810.1/Cs7g318	8.47	0	0	2	MASCOT	T	PLEX8	
1.31E-05	0|0	Cs7g31810.1/Cs7g318	8.47	0	0	2	MASCOT	T	PLEX8	
5.34E-04	0|0	Cs7g31810.1/Cs7g318	4.37	0	0	2	MASCOT	T		
7.86E-05	0|0	Cs7g31810.1/Cs7g318	4.37	0	0	2	MASCOT	T		
3.04E-03	0|0	Cs7g31810.1/Cs7g318	4.37	0	0	2	MASCOT	T		
2.28E-02	0|0	Cs7g31810.1/Cs7g318	5.93	0	0	2	MASCOT	T	PLEX8	
1.27E-02	0|0	Cs7g31810.1/Cs7g318	5.93	0	0	2	MASCOT	T	PLEX8	
2.55E-04	0|0	Cs7g31810.1/Cs7g318	5.32	0	0	2	MASCOT	T	PLEX8	
3.26E-01	0|0	Cs7g31810.1/Cs7g318	5.32	0	0	2	MASCOT	T	PLEX8	
1.90E-01	0|0	Cs7g31810.1/Cs7g318	8.73	0	0	2	MASCOT	T	PLEX8	
9.23E-03	0|0	Cs7g31810.1/Cs7g318	4.37	0	0	2	MASCOT	T	PLEX8	
1.64E-04	0|0	Cs7g31810.1/Cs7g318	6	0	0	2	MASCOT	T	PLEX8	
1.29E-02	0|0	Cs7g31810.1/Cs7g318	4.37	0	15.9	0	2	MASCOT	T	PLEX8
3.04E-03	0|0	Cs7g31810.1/Cs7g318	4.37	0	15.9	0	2	MASCOT	T	
6.63E-02	0|0	Cs7g31810.1/Cs7g318	4.37	0	15.9	0	2	MASCOT	T	PLEX8
9.03E-02	0|0	Cs7g31810.1/Cs7g318	4.37	0	0	2	MASCOT	T	PLEX8	
1.79E-01	0|0	Cs7g31810.1/Cs7g318	4.37	0	0	2	MASCOT	T	PLEX8	
1.04E-02	0|0	Cs7g31810.1/Cs7g318	4.37	0	0	2	MASCOT	T	PLEX8	
6.04E-02	0|0	Cs7g31810.1/Cs7g318	6.92	0	15.9	0	2	MASCOT	T	PLEX8
8.59E-04	0|0	Cs7g31810.1/Cs7g318	6.92	0	15.9	0	2	MASCOT	T	PLEX8
1.14E-02	0|0	Cs7g31810.1/Cs7g318	6.92	0	15.9	0	2	MASCOT	T	PLEX8
4.28E-04	0|0	Cs7g31810.1/Cs7g318	6.92	0	15.9	0	2	MASCOT	T	PLEX8
6.79E-04	0|0	Cs7g31810.1/Cs7g318	6.92	0	15.9	0	2	MASCOT	T	PLEX8
8.21E-04	0|0	Cs7g31810.1/Cs7g318	6.92	0	15.9	0	2	MASCOT	T	PLEX8

8.98E-04	0|0	Cs7g31810.1/Cs7g318	6.92	0	0	2	MASCOT	T	PLEX8	
2.42E-04	0|0	Cs7g31810.1/Cs7g318	6.92	0	0	2	MASCOT	T	PLEX8	
4.71E-01	0|0	Cs7g31810.1/Cs7g318	8.76	0	0	2	MASCOT	T		
5.80E-05	0|0	Cs7g31810.1/Cs7g318	9.76	0	0	2	MASCOT	T	PLEX8	
5.58E-02	0|0	Cs7g31810.1/Cs7g318	9.76	0	0	2	MASCOT	T	PLEX8	
3.71E-02	0|0	Cs7g31810.1/Cs7g318	9.76	0	0	2	MASCOT	T	PLEX8	
5.90E-05	0|0	Cs7g31810.1/Cs7g318	9.76	0	0	2	MASCOT	T	PLEX8	
2.31E-02	0|0	Cs7g31810.1/Cs7g318	9.76	0	0	2	MASCOT	T		
1.41E-01	0|0	Cs7g31810.1/Cs7g318	9.76	0	0	2	MASCOT	T		
3.89E-04	0|0	Cs7g31810.1/Cs7g318	4.37	0	0	2	MASCOT	T		
1.13E-01	0|0	Cs7g31810.1/Cs7g318	4.53	0	0	2	MASCOT	T	PLEX8	
2.62E-02	0|0	Cs7g31810.1/Cs7g318	4.53	0	0	2	MASCOT	T	PLEX8	
1.90E-03	0|0	Cs7g31810.1/Cs7g318	6	0	0	2	MASCOT	T	PLEX8	
7.10E-02	0|0	Cs7g31810.1/Cs7g318	4.53	0	0	2	MASCOT	T	PLEX8	
2.67E-05	0|0	Cs7g31810.1/Cs7g318	4.65	0	0	2	MASCOT	T	PLEX8	
2.61E-04	0|0	Cs7g31810.1/Cs7g318	4.65	0	0	2	MASCOT	T		
1.90E-06	0|0	Cs7g31810.1/Cs7g318	4.65	0	0	2	MASCOT	T	PLEX8	
6.84E-07	0|0	Cs7g31810.1/Cs7g318	4.65	0	0	2	MASCOT	T		
6.07E-02	0|0	Cs7g31810.1/Cs7g318	8.41	0	0	2	MASCOT	T	PLEX8	
9.70E-02	0|0	Cs7g31810.1/Cs7g318	8.41	0	0	2	MASCOT	T	PLEX8	
1.95E-02	0|0	Cs7g31810.1/Cs7g318	5.97	0	0	2	MASCOT	T	PLEX8	
3.05E-01	0|0	Cs7g31810.1/Cs7g318	5.97	0	15.9	0	2	MASCOT	T	
3.28E-02	0|0	Cs7g31810.1/Cs7g318	5.97	0	0	2	MASCOT	T		
2.17E-02	0|0	Cs7g31810.1/Cs7g318	5.97	0	0	2	MASCOT	T		
8.47E-02	0|0	Cs7g31810.1/Cs7g318	5.81	0	0	2	MASCOT	T	PLEX8	
9.80E-06	0|0	Cs7g31810.1/Cs7g318	5.81	0	0	2	MASCOT	T	PLEX8	
3.07E-04	0|0	Cs7g31810.1/Cs7g318	5.81	0	0	2	MASCOT	T	PLEX8	
6.21E-06	0|0	Cs7g31810.1/Cs7g318	5.81	0	0	2	MASCOT	T	PLEX8	
6.27E-05	0|0	Cs7g31810.1/Cs7g318	5.81	0	0	2	MASCOT	T	PLEX8	
1.98E-01	0|0	Cs8g16700.1/Cs8g167	6.05	0	0	2	MASCOT	T	PLEX8	
4.52E-01	0|0	Cs8g16700.1/Cs8g167	6.05	0	0	2	MASCOT	T	PLEX8	
3.08E-01	0|0	Cs8g16700.1/Cs8g167	6.05	0	0	2	MASCOT	T	PLEX8	
4.25E-01	0|0	Cs8g16700.1/Cs8g167	6.05	0	0	2	MASCOT	T	PLEX8	
5.08E-02	0|0	Cs8g16700.1/Cs8g167	6.05	0	0	2	MASCOT	T	PLEX8	
3.87E-01	0|0	Cs8g16700.1/Cs8g167	6.05	0	0	2	MASCOT	T		
1.97E-01	0|0	Cs8g16700.1/Cs8g167	6.05	0	0	2	MASCOT	T	PLEX8	
3.56E-01	0|0	Cs8g16700.1/Cs8g167	6.05	0	0	2	MASCOT	T		
3.14E-01	0|0	Cs8g16700.1/Cs8g167	6.05	0	0	2	MASCOT	T	PLEX8	
3.29E-01	0|0	Cs8g16700.1/Cs8g167	6.05	0	0	2	MASCOT	T	PLEX8	
3.28E-01	0|0	Cs8g16700.1/Cs8g167	6.05	0	0	2	MASCOT	T		
3.38E-04	0|0	Cs8g16700.1/Cs8g167	8.79	0	15.9	0	2	MASCOT	T	PLEX8
2.97E-04	0|0	Cs8g16700.1/Cs8g167	8.79	0	15.9	0	2	MASCOT	T	
3.77E-02	0|0	Cs8g16700.1/Cs8g167	8.79	0	15.9	0	2	MASCOT	T	
2.73E-03	0|0	Cs8g16700.1/Cs8g167	8.79	0	15.9	0	2	MASCOT	T	
1.69E-02	0|0	Cs8g16700.1/Cs8g167	8.79	0	15.9	0	2	MASCOT	T	PLEX8
8.50E-02	0|0	Cs8g16700.1/Cs8g167	8.79	0	0	2	MASCOT	T	PLEX8	
9.05E-03	0|0	Cs8g16700.1/Cs8g167	8.79	0	0	2	MASCOT	T	PLEX8	
4.83E-04	0|0	Cs8g16700.1/Cs8g167	8.79	0	0	2	MASCOT	T	PLEX8	
9.45E-04	0|0	Cs8g16700.1/Cs8g167	8.79	0	0	2	MASCOT	T		
4.78E-04	0|0	Cs8g16700.1/Cs8g167	8.79	0	0	2	MASCOT	T		
1.37E-04	0|0	Cs8g16700.1/Cs8g167	8.79	0	0	2	MASCOT	T		

3.46E-04	0|0	Cs8g16700.1/Cs8g167	8.79	0	0	2	MASCOT	T		
1.59E-04	0|0	Cs8g16700.1/Cs8g167	8.79	0	0	2	MASCOT	T		
4.68E-03	0|0	Cs8g16700.1/Cs8g167	8.79	0	0	2	MASCOT	T	PLEX8	
5.23E-03	0|0	Cs8g16700.1/Cs8g167	8.79	0	0	2	MASCOT	T	PLEX8	
2.28E-03	0|0	Cs8g16700.1/Cs8g167	4.03	0	15.9	0	2	MASCOT	T	PLEX8
1.97E-02	0|0	Cs8g16700.1/Cs8g167	4.03	0	15.9	0	2	MASCOT	T	PLEX8
5.27E-05	0|0	Cs8g16700.1/Cs8g167	4.03	0	0	2	MASCOT	T	PLEX8	
1.09E-03	0|0	Cs8g16700.1/Cs8g167	4.03	0	0	2	MASCOT	T		
4.06E-02	0|0	Cs8g16700.1/Cs8g167	4.03	0	0	2	MASCOT	T	PLEX8	
4.29E-04	0|0	Cs8g16700.1/Cs8g167	4.21	0	0	2	MASCOT	T		
2.10E-02	0|0	Cs8g16700.1/Cs8g167	4.14	0	15.9	0	2	MASCOT	T	
6.34E-02	0|0	Cs8g16700.1/Cs8g167	4.14	0	15.9	0	2	MASCOT	T	
6.38E-05	0|0	Cs8g16700.1/Cs8g167	4.14	0	15.9	0	2	MASCOT	T	
4.16E-02	0|0	Cs8g16700.1/Cs8g167	4.14	0	15.9	0	2	MASCOT	T	
3.41E-02	0|0	Cs8g16700.1/Cs8g167	4.14	0	0	2	MASCOT	T		
5.05E-04	0|0	Cs8g16700.1/Cs8g167	4.14	0	0	2	MASCOT	T		
1.70E-03	0|0	Cs8g16700.1/Cs8g167	4.14	0	0	2	MASCOT	T		
8.86E-04	0|0	Cs8g16700.1/Cs8g167	4.14	0	0	2	MASCOT	T		
1.90E-02	0|0	Cs8g16700.1/Cs8g167	4	0	0	2	MASCOT	T	PLEX8	
4.54E-02	0|0	Cs8g16700.1/Cs8g167	4	0	0	2	MASCOT	T		
4.20E-02	0|0	Cs8g16700.1/Cs8g167	4.32	0	0	2	MASCOT	T		
5.19E-02	0|0	Cs8g16700.1/Cs8g167	5.84	0	0	2	MASCOT	T	PLEX8	
8.65E-02	0|0	Cs8g16700.1/Cs8g167	5.84	0	0	2	MASCOT	T	PLEX8	
5.04E-02	0|0	Cs8g16700.1/Cs8g167	5.84	0	0	2	MASCOT	T	PLEX8	
2.98E-01	0|0	Cs8g16700.1/Cs8g167	5.84	0	0	2	MASCOT	T	PLEX8	
1.77E-01	0|0	Cs8g16700.1/Cs8g167	5.84	0	0	2	MASCOT	T	PLEX8	
5.68E-02	0|0	Cs8g16700.1/Cs8g167	5.84	0	0	2	MASCOT	T	PLEX8	
7.40E-02	0|0	Cs8g16700.1/Cs8g167	5.84	0	0	2	MASCOT	T	PLEX8	
3.83E-02	0|0	Cs8g16700.1/Cs8g167	5.84	0	0	2	MASCOT	T	PLEX8	
3.46E-02	0|0	Cs8g16700.1/Cs8g167	5.84	0	0	2	MASCOT	T	PLEX8	
5.20E-02	0|0	Cs8g16700.1/Cs8g167	5.84	0	0	2	MASCOT	T	PLEX8	
2.53E-01	0|0	Cs8g16700.1/Cs8g167	5.84	0	0	2	MASCOT	T	PLEX8	
2.93E-02	0|0	Cs8g16700.1/Cs8g167	5.84	0	0	2	MASCOT	T	PLEX8	
3.67E-01	0|0	Cs8g16700.1/Cs8g167	5.84	0	0	2	MASCOT	T	PLEX8	
5.05E-02	0|0	Cs8g16700.1/Cs8g167	5.84	0	0	2	MASCOT	T	PLEX8	
8.35E-02	0|0	Cs8g16700.1/Cs8g167	5.84	0	0	2	MASCOT	T	PLEX8	
6.80E-02	0|0	Cs8g16700.1/Cs8g167	5.84	0	0	2	MASCOT	T	PLEX8	
2.59E-01	0|0	Cs8g16700.1/Cs8g167	5.84	0	0	2	MASCOT	T	PLEX8	
1.52E-01	0|0	Cs8g16700.1/Cs8g167	5.84	0	0	2	MASCOT	T		
3.81E-01	0|0	Cs8g16700.1/Cs8g167	6.74	0	15.9	0	2	MASCOT	T	PLEX8
7.16E-02	0|0	Cs8g16700.1/Cs8g167	6	0	0	2	MASCOT	T	PLEX8	
6.72E-03	0|0	Cs8g16700.1/Cs8g167	6	0	0	2	MASCOT	T	PLEX8	
1.36E-01	0|0	Cs8g16700.1/Cs8g167	6	0	0	2	MASCOT	T	PLEX8	
1.91E-01	0|0	Cs8g16700.1/Cs8g167	8.75	0	15.9	0	2	MASCOT	T	PLEX8
9.92E-02	0|0	Cs8g16700.1/Cs8g167	8.75	0	15.9	0	2	MASCOT	T	
1.08E-01	0|0	Cs8g16700.1/Cs8g167	8.75	0	15.9	0	2	MASCOT	T	PLEX8
2.78E-01	0|0	Cs8g16700.1/Cs8g167	8.75	0	15.9	0	2	MASCOT	T	
3.22E-01	0|0	Cs8g16700.1/Cs8g167	8.75	0	0	2	MASCOT	T	PLEX8	
7.91E-02	0|0	Cs8g16700.1/Cs8g167	8.75	0	0	2	MASCOT	T	PLEX8	
3.22E-01	0|0	Cs8g16700.1/Cs8g167	8.75	0	0	2	MASCOT	T		
3.35E-01	0|0	Cs8g16700.1/Cs8g167	8.75	0	0	2	MASCOT	T		

1.24E-01	0|0	Cs8g16700.1/Cs8g167	8.75	0	0	2	MASCOT	T		
4.27E-01	0|0	Cs8g16700.1/Cs8g167	8.75	0	0	2	MASCOT	T		
2.46E-01	0|0	Cs8g16700.1/Cs8g167	8.75	0	0	2	MASCOT	T	PLEX8	
3.65E-01	0|0	Cs8g16700.1/Cs8g167	8.75	0	0	2	MASCOT	T	PLEX8	
3.07E-02	0|0	Cs8g16700.1/Cs8g167	6.74	0	0	2	MASCOT	T		
5.65E-04	0|0	Cs8g16700.1/Cs8g167	4.21	0	0	2	MASCOT	T	PLEX8	
7.10E-03	0|0	Cs8g16700.1/Cs8g167	5.66	0	0	2	MASCOT	T	PLEX8	
1.80E-02	0|0	Cs8g16700.1/Cs8g167	5.66	0	0	2	MASCOT	T	PLEX8	
7.10E-03	0|0	Cs8g16700.1/Cs8g167	5.66	0	0	2	MASCOT	T	PLEX8	
1.62E-02	0|0	Cs8g16700.1/Cs8g167	5.66	0	0	2	MASCOT	T	PLEX8	
2.04E-02	0|0	Cs8g16700.1/Cs8g167	5.66	0	0	2	MASCOT	T	PLEX8	
1.45E-02	0|0	Cs8g16700.1/Cs8g167	5.66	0	0	2	MASCOT	T	PLEX8	
1.19E-01	0|0	Cs8g16700.1/Cs8g167	6.74	0	0	2	MASCOT	T	PLEX8	
8.48E-02	0|0	Cs8g16700.1/Cs8g167	6.74	0	0	2	MASCOT	T	PLEX8	
2.58E-02	0|0	Cs8g16700.1/Cs8g167	6.74	0	0	2	MASCOT	T	PLEX8	
1.04E-01	0|0	Cs8g16700.1/Cs8g167	6.74	0	0	2	MASCOT	T		
2.36E-02	0|0	Cs8g16700.1/Cs8g167	6.74	0	0	2	MASCOT	T		
2.77E-06	0|0	Cs8g16700.1/Cs8g167	4.25	0	0	2	MASCOT	T	PLEX8	
1.97E-02	0|0	Cs8g16700.1/Cs8g167	4.25	0	0	2	MASCOT	T	PLEX8	
2.64E-02	0|0	Cs8g16700.1/Cs8g167	3.92	0	0	2	MASCOT	T		
9.78E-04	0|0	Cs8g16700.1/Cs8g167	3.92	0	0	2	MASCOT	T	PLEX8	
2.10E-03	0|0	Cs8g16700.1/Cs8g167	3.92	0	0	2	MASCOT	T	PLEX8	
8.75E-05	0|0	Cs8g16700.1/Cs8g167	3.92	0	0	2	MASCOT	T	PLEX8	
4.75E-01	0|0	Cs8g16700.1/Cs8g167	4.21	0	15.9	0	2	MASCOT	T	PLEX8
3.41E-03	0|0	Cs8g16700.1/Cs8g167	4.21	0	15.9	0	2	MASCOT	T	
1.08E-02	0|0	Cs8g16700.1/Cs8g167	4.21	0	15.9	0	2	MASCOT	T	
1.03E-01	0|0	Cs8g16700.1/Cs8g167	4.21	0	0	2	MASCOT	T		
4.52E-03	0|0	Cs8g16700.1/Cs8g167	4.21	0	0	2	MASCOT	T		
4.95E-02	0|0	Cs8g16700.1/Cs8g167	4.21	0	0	2	MASCOT	T		
8.09E-03	0|0	Cs8g16700.1/Cs8g167	5.83	0	0	2	MASCOT	T	PLEX8	
3.87E-02	0|0	Cs8g16700.1/Cs8g167	5.83	0	0	2	MASCOT	T	PLEX8	
9.10E-03	0|0	Cs8g16700.1/Cs8g167	5.83	0	0	2	MASCOT	T	PLEX8	
1.77E-02	0|0	Cs8g16700.1/Cs8g167	5.83	0	0	2	MASCOT	T	PLEX8	
3.24E-02	0|0	Cs8g16700.1/Cs8g167	5.83	0	0	2	MASCOT	T	PLEX8	
5.99E-02	0|0	Cs8g16700.1/Cs8g167	5.83	0	0	2	MASCOT	T	PLEX8	
9.47E-03	0|0	Cs8g16700.1/Cs8g167	5.83	0	0	2	MASCOT	T	PLEX8	
1.94E-02	0|0	Cs8g16700.1/Cs8g167	5.83	0	0	2	MASCOT	T	PLEX8	
2.01E-03	0|0	Cs8g16700.1/Cs8g167	5.83	0	0	2	MASCOT	T	PLEX8	
3.66E-02	0|0	Cs8g16700.1/Cs8g167	5.83	0	0	2	MASCOT	T		
7.82E-02	0|0	Cs8g16700.1/Cs8g167	5.83	0	0	2	MASCOT	T		
1.39E-03	0|0	Cs8g16700.1/Cs8g167	5.83	0	0	2	MASCOT	T		
1.68E-01	0|0	Cs8g16700.1/Cs8g167	5.83	0	0	2	MASCOT	T		
1.21E-02	0|0	Cs8g16700.1/Cs8g167	4.14	0	0	2	MASCOT	T	PLEX8	
4.22E-03	0|0	Cs8g16700.1/Cs8g167	4.14	0	0	2	MASCOT	T	PLEX8	
3.29E-02	0|0	Cs8g16700.1/Cs8g167	4.14	0	0	2	MASCOT	T	PLEX8	
3.95E-02	0|0	Cs8g16700.1/Cs8g167	4.14	0	0	2	MASCOT	T	PLEX8	
9.82E-02	0|0	Cs8g16700.1/Cs8g167	4.14	0	0	2	MASCOT	T	PLEX8	
3.97E-02	0|0	Cs8g16700.1/Cs8g167	4.14	0	0	2	MASCOT	T	PLEX8	
8.92E-02	0|0	Cs8g16700.1/Cs8g167	4.14	0	0	2	MASCOT	T	PLEX8	
4.97E-03	0|0	Cs8g16700.1/Cs8g167	4.14	0	0	2	MASCOT	T	PLEX8	
2.69E-02	0|0	Cs8g16700.1/Cs8g167	4.14	0	0	2	MASCOT	T	PLEX8	

4.07E-02	0|0	Cs8g16700.1/Cs8g167	4.22	0	0	2	MASCOT	T	PLEX8	
2.23E-05	0|0	Cs8g16700.1/Cs8g167	4.22	0	0	2	MASCOT	T	PLEX8	
1.72E-04	0|0	Cs8g16700.1/Cs8g167	4.22	0	0	2	MASCOT	T	PLEX8	
2.49E-03	0|0	Cs8g16700.1/Cs8g167	4.22	0	0	2	MASCOT	T	PLEX8	
6.96E-03	0|0	Cs8g16700.1/Cs8g167	4.22	0	0	2	MASCOT	T	PLEX8	
6.92E-07	0|0	Cs8g16700.1/Cs8g167	4.22	0	0	2	MASCOT	T	PLEX8	
1.98E-03	0|0	Cs8g16700.1/Cs8g167	4.22	0	0	2	MASCOT	T	PLEX8	
6.33E-02	0|0	Cs8g16700.1/Cs8g167	4.22	0	0	2	MASCOT	T	PLEX8	
2.02E-04	0|0	Cs8g16700.1/Cs8g167	4.22	0	0	2	MASCOT	T	PLEX8	
2.51E-02	0|0	Cs8g16700.1/Cs8g167	4.22	0	0	2	MASCOT	T	PLEX8	
4.00E-04	0|0	Cs8g16700.1/Cs8g167	4.22	0	0	2	MASCOT	T	PLEX8	
3.92E-02	0|0	Cs8g16700.1/Cs8g167	4.22	0	0	2	MASCOT	T	PLEX8	
8.18E-02	0|0	Cs8g16700.1/Cs8g167	4.22	0	0	2	MASCOT	T		
8.48E-03	0|0	Cs8g16700.1/Cs8g167	4.22	0	0	2	MASCOT	T	PLEX8	
2.01E-03	0|0	Cs8g16700.1/Cs8g167	4.22	0	0	2	MASCOT	T		
1.47E-03	0|0	Cs8g16700.1/Cs8g167	4.22	0	0	2	MASCOT	T		
6.18E-07	0|0	Cs8g16700.1/Cs8g167	4.22	0	0	2	MASCOT	T		
1.55E-03	0|0	Cs8g16700.1/Cs8g167	4.22	0	0	2	MASCOT	T		
6.26E-07	0|0	Cs8g16700.1/Cs8g167	4.22	0	0	2	MASCOT	T		
9.73E-04	0|0	Cs8g16700.1/Cs8g167	3.91	0	0	2	MASCOT	T	PLEX8	
2.60E-06	0|0	Cs8g16700.1/Cs8g167	3.91	0	0	2	MASCOT	T	PLEX8	
2.40E-04	0|0	Cs8g16700.1/Cs8g167	3.91	0	0	2	MASCOT	T	PLEX8	
9.58E-03	0|0	Cs8g16700.1/Cs8g167	4.53	0	15.9	0	2	MASCOT	T	PLEX8
1.04E-02	0|0	Cs8g16700.1/Cs8g167	4.53	0	15.9	0	2	MASCOT	T	PLEX8
1.07E-01	0|0	Cs8g16700.1/Cs8g167	4.53	0	15.9	0	2	MASCOT	T	
3.55E-02	0|0	Cs8g16700.1/Cs8g167	4.53	0	15.9	0	2	MASCOT	T	
2.24E-02	0|0	Cs8g16700.1/Cs8g167	4.53	0	0	2	MASCOT	T	PLEX8	
4.77E-04	0|0	Cs8g16700.1/Cs8g167	4.53	0	0	2	MASCOT	T		
3.04E-04	0|0	Cs8g16700.1/Cs8g167	4.53	0	0	2	MASCOT	T		
1.04E-03	0|0	Cs8g16700.1/Cs8g167	4.53	0	0	2	MASCOT	T		
2.66E-02	0|0	Cs8g16700.1/Cs8g167	6.74	0	0	2	MASCOT	T	PLEX8	
2.95E-02	0|0	Cs8g16700.1/Cs8g167	6.74	0	0	2	MASCOT	T	PLEX8	
7.15E-02	0|0	Cs8g16700.1/Cs8g167	6.74	0	0	2	MASCOT	T	PLEX8	
1.49E-02	0|0	Cs8g16700.1/Cs8g167	6.74	0	0	2	MASCOT	T	PLEX8	
7.12E-02	0|0	Cs8g16700.1/Cs8g167	6.74	0	0	2	MASCOT	T		
4.78E-02	0|0	Cs8g16700.1/Cs8g167	6.74	0	0	2	MASCOT	T		
3.51E-02	0|0	Cs8g16700.1/Cs8g167	6.74	0	0	2	MASCOT	T	PLEX8	
3.87E-02	0|0	Cs8g16700.1/Cs8g167	6.74	0	0	2	MASCOT	T		
1.09E-01	0|0	Cs8g16700.1/Cs8g167	4.21	0	0	2	MASCOT	T	PLEX8	
9.78E-02	0|0	Cs8g16700.1/Cs8g167	4.21	0	0	2	MASCOT	T		
1.99E-06	0|0	Cs8g16700.1/Cs8g167	4.21	0	0	2	MASCOT	T		
1.56E-03	0|0	Cs8g16700.1/Cs8g167	4.21	0	0	2	MASCOT	T		
9.16E-07	0|0	Cs8g16700.1/Cs8g167	4.21	0	0	2	MASCOT	T		
6.76E-02	0|0	Cs8g16700.1/Cs8g167	4.21	0	0	2	MASCOT	T		
5.40E-07	0|0	Cs8g16700.1/Cs8g167	4.21	0	0	2	MASCOT	T		
1.73E-03	0|0	Cs8g16700.1/Cs8g167	4.21	0	0	2	MASCOT	T		
3.12E-02	0|0	Cs8g16700.1/Cs8g167	4.21	0	0	2	MASCOT	T		
1.88E-01	0|0	Cs8g16700.1/Cs8g167	4.21	0	0	2	MASCOT	T		
7.46E-02	0|0	Cs8g16700.1/Cs8g167	4.21	0	0	2	MASCOT	T		
2.29E-03	0|0	Cs8g16700.1/Cs8g167	6.74	0	0	2	MASCOT	T	PLEX8	
1.19E-01	0|0	Cs8g16700.1/Cs8g167	6.74	0	0	2	MASCOT	T	PLEX8	

6.53E-02	0|0	Cs8g16700.1/Cs8g167	6.74	0	0	2	MASCOT	T	PLEX8	
1.46E-02	0|0	Cs8g16700.1/Cs8g167	6.74	0	0	2	MASCOT	T	PLEX8	
1.54E-02	0|0	Cs8g16700.1/Cs8g167	6.74	0	0	2	MASCOT	T	PLEX8	
2.86E-02	0|0	Cs8g16700.1/Cs8g167	6.74	0	0	2	MASCOT	T	PLEX8	
1.64E-02	0|0	Cs8g16700.1/Cs8g167	6.74	0	0	2	MASCOT	T	PLEX8	
6.25E-02	0|0	Cs8g16700.1/Cs8g167	6.74	0	0	2	MASCOT	T		
1.59E-01	0|0	Cs8g16700.1/Cs8g167	6.74	0	0	2	MASCOT	T		
6.67E-02	0|0	Cs8g16700.1/Cs8g167	6.74	0	0	2	MASCOT	T		
1.81E-02	0|0	Cs8g16700.1/Cs8g167	6.74	0	0	2	MASCOT	T		
9.16E-03	0|0	Cs8g16700.1/Cs8g167	5.84	0	15.9	0	2	MASCOT	T	PLEX8
1.20E-02	0|0	Cs8g16700.1/Cs8g167	5.84	0	15.9	0	2	MASCOT	T	PLEX8
1.97E-05	0|0	Cs8g16700.1/Cs8g167	5.84	0	15.9	0	2	MASCOT	T	PLEX8
1.65E-02	0|0	Cs8g16700.1/Cs8g167	5.84	0	15.9	0	2	MASCOT	T	PLEX8
9.56E-04	0|0	Cs8g16700.1/Cs8g167	5.84	0	15.9	0	2	MASCOT	T	PLEX8
9.52E-03	0|0	Cs8g16700.1/Cs8g167	5.84	0	15.9	0	2	MASCOT	T	PLEX8
1.24E-02	0|0	Cs8g16700.1/Cs8g167	5.84	0	0	2	MASCOT	T	PLEX8	
1.29E-03	0|0	Cs8g16700.1/Cs8g167	5.84	0	0	2	MASCOT	T	PLEX8	
1.11E-02	0|0	Cs8g16700.1/Cs8g167	5.84	0	0	2	MASCOT	T	PLEX8	
3.02E-02	0|0	Cs8g16700.1/Cs8g167	5.84	0	0	2	MASCOT	T	PLEX8	
9.49E-03	0|0	Cs8g16700.1/Cs8g167	5.84	0	0	2	MASCOT	T	PLEX8	
5.09E-01	0|0	Cs8g16700.1/Cs8g167	8.75	0	0	2	MASCOT	T	PLEX8	
4.48E-01	0|0	Cs8g16700.1/Cs8g167	8.75	0	0	2	MASCOT	T	PLEX8	
1.30E-01	0|0	Cs8g16700.1/Cs8g167	8.47	0	0	2	MASCOT	T	PLEX8	
1.56E-01	0|0	Cs8g16700.1/Cs8g167	8.47	0	0	2	MASCOT	T	PLEX8	
9.65E-02	0|0	Cs8g16700.1/Cs8g167	8.47	0	0	2	MASCOT	T	PLEX8	
4.20E-02	0|0	Cs8g16700.1/Cs8g167	8.47	0	0	2	MASCOT	T	PLEX8	
1.90E-01	0|0	Cs8g16700.1/Cs8g167	8.47	0	0	2	MASCOT	T	PLEX8	
8.38E-02	0|0	Cs8g16700.1/Cs8g167	8.47	0	0	2	MASCOT	T	PLEX8	
4.75E-02	0|0	Cs8g16700.1/Cs8g167	8.47	0	0	2	MASCOT	T	PLEX8	
2.97E-01	0|0	Cs8g16700.1/Cs8g167	6.41	0	15.9	0	2	MASCOT	T	PLEX8
3.05E-01	0|0	Cs8g16700.1/Cs8g167	6.41	0	15.9	0	2	MASCOT	T	PLEX8
8.28E-04	0|0	Cs8g16700.1/Cs8g167	6.41	0	15.9	0	2	MASCOT	T	PLEX8
6.77E-06	0|0	Cs8g16700.1/Cs8g167	6.41	0	15.9	0	2	MASCOT	T	PLEX8
6.02E-02	0|0	Cs8g16700.1/Cs8g167	6.41	0	15.9	0	2	MASCOT	T	PLEX8
5.31E-04	0|0	Cs8g16700.1/Cs8g167	6.41	0	15.9	0	2	MASCOT	T	PLEX8
4.14E-01	0|0	Cs8g16700.1/Cs8g167	6.41	0	15.9	0	2	MASCOT	T	PLEX8
2.58E-04	0|0	Cs8g16700.1/Cs8g167	6.41	0	15.9	0	2	MASCOT	T	PLEX8
2.33E-06	0|0	Cs8g16700.1/Cs8g167	6.41	0	15.9	0	2	MASCOT	T	PLEX8
1.42E-01	0|0	Cs8g16700.1/Cs8g167	6.41	0	15.9	0	2	MASCOT	T	PLEX8
1.17E-01	0|0	Cs8g16700.1/Cs8g167	6.41	0	15.9	0	2	MASCOT	T	
2.60E-03	0|0	Cs8g16700.1/Cs8g167	6.41	0	15.9	0	2	MASCOT	T	
1.49E-05	0|0	Cs8g16700.1/Cs8g167	6.41	0	0	2	MASCOT	T	PLEX8	
5.77E-07	0|0	Cs8g16700.1/Cs8g167	6.41	0	0	2	MASCOT	T	PLEX8	
6.87E-04	0|0	Cs8g16700.1/Cs8g167	6.41	0	0	2	MASCOT	T	PLEX8	
9.59E-03	0|0	Cs8g16700.1/Cs8g167	6.41	0	0	2	MASCOT	T	PLEX8	
1.91E-06	0|0	Cs8g16700.1/Cs8g167	6.41	0	0	2	MASCOT	T	PLEX8	
7.05E-05	0|0	Cs8g16700.1/Cs8g167	6.41	0	0	2	MASCOT	T	PLEX8	
1.09E-05	0|0	Cs8g16700.1/Cs8g167	6.41	0	0	2	MASCOT	T	PLEX8	
9.73E-03	0|0	Cs8g16700.1/Cs8g167	6.41	0	0	2	MASCOT	T	PLEX8	
2.51E-08	0|0	Cs8g16700.1/Cs8g167	6.41	0	0	2	MASCOT	T	PLEX8	
3.44E-04	0|0	Cs8g16700.1/Cs8g167	6.41	0	0	2	MASCOT	T		

7.79E-04	0|0	Cs8g16700.1/Cs8g167	6.41	0	0	2	MASCOT	T	
2.64E-03	0|0	Cs8g16700.1/Cs8g167	6.41	0	0	2	MASCOT	T	
6.29E-04	0|0	Cs8g16700.1/Cs8g167	6.41	0	0	2	MASCOT	T	
1.80E-02	0|0	Cs8g16700.1/Cs8g167	5.81	0	15.9	0	2	MASCOT	T PLEX8
5.42E-03	0|0	Cs8g16700.1/Cs8g167	5.81	0	15.9	0	2	MASCOT	T PLEX8
1.42E-01	0|0	Cs8g16700.1/Cs8g167	5.81	0	15.9	0	2	MASCOT	T PLEX8
8.13E-03	0|0	Cs8g16700.1/Cs8g167	5.81	0	15.9	0	2	MASCOT	T PLEX8
1.54E-02	0|0	Cs8g16700.1/Cs8g167	5.81	0	15.9	0	2	MASCOT	T PLEX8
1.35E-01	0|0	Cs8g16700.1/Cs8g167	5.81	0	15.9	0	2	MASCOT	T PLEX8
1.99E-02	0|0	Cs8g16700.1/Cs8g167	5.81	0	0	2	MASCOT	T	PLEX8
2.10E-02	0|0	Cs8g16700.1/Cs8g167	5.81	0	0	2	MASCOT	T	PLEX8
8.92E-02	0|0	Cs8g16700.1/Cs8g167	5.81	0	0	2	MASCOT	T	PLEX8
2.60E-04	0|0	Cs8g16700.1/Cs8g167	5.81	0	0	2	MASCOT	T	PLEX8
7.38E-03	0|0	Cs8g16700.1/Cs8g167	5.81	0	0	2	MASCOT	T	PLEX8
7.76E-02	0|0	Cs8g16700.1/Cs8g167	5.81	0	0	2	MASCOT	T	PLEX8
5.60E-04	0|0	Cs8g16700.1/Cs8g167	5.81	0	0	2	MASCOT	T	PLEX8
9.22E-02	0|0	Cs8g16700.1/Cs8g167	4.53	0	0	2	MASCOT	T	PLEX8
1.07E-02	0|0	Cs8g16700.1/Cs8g167	4.53	0	0	2	MASCOT	T	PLEX8
1.97E-02	0|0	Cs8g16700.1/Cs8g167	4.53	0	0	2	MASCOT	T	PLEX8
1.78E-01	0|0	Cs8g16700.1/Cs8g167	4.53	0	0	2	MASCOT	T	PLEX8
1.38E-01	0|0	Cs8g16700.1/Cs8g167	4.53	0	0	2	MASCOT	T	PLEX8
7.16E-02	0|0	Cs8g16700.1/Cs8g167	4.53	0	0	2	MASCOT	T	PLEX8
2.72E-03	0|0	Cs8g16700.1/Cs8g167	4.53	0	0	2	MASCOT	T	PLEX8
1.27E-01	0|0	Cs8g16700.1/Cs8g167	4.53	0	0	2	MASCOT	T	PLEX8
5.34E-02	0|0	Cs8g16700.1/Cs8g167	4.53	0	0	2	MASCOT	T	PLEX8
3.97E-03	0|0	Cs5g19940.1/Cs5g199	4.53	0	15.9	0	2	MASCOT	T PLEX8
4.72E-03	0|0	Cs5g19940.1/Cs5g199	4.53	0	15.9	0	2	MASCOT	T PLEX8
5.22E-03	0|0	Cs5g19940.1/Cs5g199	4.53	0	0	2	MASCOT	T	PLEX8
4.40E-04	0|0	Cs5g19940.1/Cs5g199	4.53	0	0	2	MASCOT	T	PLEX8
4.21E-03	0|0	Cs5g19940.1/Cs5g199	4.53	0	0	2	MASCOT	T	PLEX8
5.82E-03	0|0	Cs5g19940.1/Cs5g199	5.88	0	0	2	MASCOT	T	PLEX8
2.93E-03	0|0	Cs5g19940.1/Cs5g199	5.88	0	0	2	MASCOT	T	PLEX8
1.43E-01	0|0	Cs5g19940.1/Cs5g199	5.88	0	0	2	MASCOT	T	PLEX8
1.53E-03	0|0	Cs5g19940.1/Cs5g199	5.88	0	0	2	MASCOT	T	PLEX8
5.23E-04	0|0	Cs5g19940.1/Cs5g199	5.88	0	0	2	MASCOT	T	PLEX8
3.52E-03	0|0	Cs5g19940.1/Cs5g199	5.88	0	0	2	MASCOT	T	PLEX8
1.42E-02	0|0	Cs5g19940.1/Cs5g199	4.53	0	0	2	MASCOT	T	PLEX8
5.84E-02	0|0	Cs5g19940.1/Cs5g199	4.53	0	0	2	MASCOT	T	PLEX8
3.23E-03	0|0	Cs5g19940.1/Cs5g199	4.53	0	0	2	MASCOT	T	PLEX8
3.07E-03	0|0	Cs5g19940.1/Cs5g199	4.53	0	0	2	MASCOT	T	PLEX8
2.46E-03	0|0	Cs5g19940.1/Cs5g199	5.21	0	0	2	MASCOT	T	PLEX8
1.91E-03	0|0	Cs5g19940.1/Cs5g199	4.14	0	0	2	MASCOT	T	PLEX8
5.31E-04	0|0	Cs5g19940.1/Cs5g199	4.14	0	0	2	MASCOT	T	PLEX8
1.39E-04	0|0	Cs5g19940.1/Cs5g199	4.14	0	0	2	MASCOT	T	
4.00E-05	0|0	Cs5g19940.1/Cs5g199	4.14	0	0	2	MASCOT	T	
3.86E-02	0|0	Cs5g19940.1/Cs5g199	4.03	0	0	2	MASCOT	T	
8.78E-02	0|0	Cs5g19940.1/Cs5g199	6.1	0	0	2	MASCOT	T	PLEX8
2.70E-03	0|0	Cs5g19940.1/Cs5g199	8.25	0	0	2	MASCOT	T	PLEX8
3.64E-03	0|0	Cs5g19940.1/Cs5g199	8.25	0	0	2	MASCOT	T	PLEX8
1.19E-01	0|0	Cs5g19940.1/Cs5g199	8.5	1	0	2	MASCOT	T	PLEX8
1.39E-02	0|0	Cs5g19940.1/Cs5g199	4.37	0	0	2	MASCOT	T	

1.81E-02	0|0	Cs5g19940.1/Cs5g199	4.37	0	0	2	MASCOT	T	
1.86E-02	0|0	Cs5g19940.1/Cs5g199	4.37	0	0	2	MASCOT	T	
1.78E-02	0|0	Cs5g19940.1/Cs5g199	8.75	0	0	2	MASCOT	T PLEX8	
3.21E-02	0|0	Cs5g19940.1/Cs5g199	8.75	0	0	2	MASCOT	T PLEX8	
1.46E-02	0|0	Cs5g19940.1/Cs5g199	8.75	0	0	2	MASCOT	T PLEX8	
2.70E-02	0|0	Cs5g19940.1/Cs5g199	8.75	0	0	2	MASCOT	T PLEX8	
2.71E-02	0|0	Cs5g19940.1/Cs5g199	8.75	0	0	2	MASCOT	T PLEX8	
1.04E-02	0|0	Cs5g19940.1/Cs5g199	8.5	0	15.9	0	2	MASCOT	T PLEX8
4.29E-01	0|0	Cs5g19940.1/Cs5g199	8.5	0	15.9	0	2	MASCOT	T PLEX8
1.86E-02	0|0	Cs5g19940.1/Cs5g199	8.5	0	0	2	MASCOT	T PLEX8	
1.03E-01	0|0	Cs5g19940.1/Cs5g199	4.32	1	0	2	MASCOT	T PLEX8	
8.71E-02	0|0	Cs5g19940.1/Cs5g199	4.32	1	0	2	MASCOT	T PLEX8	
1.35E-03	0|0	Cs5g19940.1/Cs5g199	4.14	0	0	2	MASCOT	T PLEX8	
3.13E-02	0|0	Cs5g19940.1/Cs5g199	4.14	0	0	2	MASCOT	T PLEX8	
3.73E-04	0|0	Cs5g19940.1/Cs5g199	4.14	0	0	2	MASCOT	T PLEX8	
1.88E-03	0|0	Cs5g19940.1/Cs5g199	4.41	1	0	2	MASCOT	T PLEX8	
4.02E-04	0|0	Cs5g19940.1/Cs5g199	4.41	1	0	2	MASCOT	T PLEX8	
7.09E-04	0|0	Cs5g19940.1/Cs5g199	4.41	1	0	2	MASCOT	T PLEX8	
7.66E-05	0|0	Cs5g19940.1/Cs5g199	4.41	1	0	2	MASCOT	T PLEX8	
7.86E-04	0|0	Cs5g19940.1/Cs5g199	5.97	0	0	2	MASCOT	T PLEX8	
3.14E-02	0|0	Cs5g19940.1/Cs5g199	4.21	0	15.9	0	2	MASCOT	T PLEX8
7.21E-03	0|0	Cs5g19940.1/Cs5g199	4.21	0	0	2	MASCOT	T PLEX8	
1.66E-04	0|0	Cs5g19940.1/Cs5g199	4.41	0	0	2	MASCOT	T PLEX8	
1.10E-01	0|0	Cs5g19940.1/Cs5g199	5.84	0	0	2	MASCOT	T PLEX8	
2.27E-02	0|0	Cs5g19940.1/Cs5g199	4.18	1	0	2	MASCOT	T	
1.69E-02	0|0	Cs5g19940.1/Cs5g199	4.18	1	0	2	MASCOT	T PLEX8	
1.96E-01	0|0	Cs5g19940.1/Cs5g199	8.76	0	0	2	MASCOT	T PLEX8	
2.69E-04	0|0	Cs5g19940.1/Cs5g199	5.32	0	0	2	MASCOT	T PLEX8	
8.20E-07	0|0	Cs5g19940.1/Cs5g199	5.32	0	0	2	MASCOT	T PLEX8	
3.14E-06	0|0	Cs5g19940.1/Cs5g199	5.32	0	0	2	MASCOT	T PLEX8	
9.80E-02	0|0	Cs5g19940.1/Cs5g199	5.32	0	0	2	MASCOT	T	
6.19E-02	0|0	Cs5g19940.1/Cs5g199	5.32	0	0	2	MASCOT	T PLEX8	
1.16E-02	0|0	Cs5g19940.1/Cs5g199	5.32	0	0	2	MASCOT	T PLEX8	
1.22E-05	0|0	Cs5g19940.1/Cs5g199	5.32	0	0	2	MASCOT	T PLEX8	
9.31E-02	0|0	Cs5g19940.1/Cs5g199	5.32	0	0	2	MASCOT	T PLEX8	
1.59E-06	0|0	Cs5g19940.1/Cs5g199	5.32	0	0	2	MASCOT	T PLEX8	
4.24E-02	0|0	Cs5g19940.1/Cs5g199	5.32	0	0	2	MASCOT	T PLEX8	
2.93E-03	0|0	Cs5g19940.1/Cs5g199	5.32	0	0	2	MASCOT	T	
3.34E-02	0|0	Cs5g19940.1/Cs5g199	10	1	0	2	MASCOT	T PLEX8	
6.29E-03	0|0	Cs5g19940.1/Cs5g199	10	1	0	2	MASCOT	T PLEX8	
2.53E-03	0|0	Cs5g19940.1/Cs5g199	5.52	0	0	2	MASCOT	T PLEX8	
1.47E-04	0|0	Cs5g19940.1/Cs5g199	5.52	0	0	2	MASCOT	T PLEX8	
1.45E-02	0|0	Cs5g19940.1/Cs5g199	6.92	0	0	2	MASCOT	T PLEX8	
1.48E-01	0|0	Cs5g19940.1/Cs5g199	6.92	0	0	2	MASCOT	T PLEX8	
2.45E-01	0|0	Cs5g19940.1/Cs5g199	6.92	0	0	2	MASCOT	T PLEX8	
5.79E-02	0|0	Cs5g19940.1/Cs5g199	6.92	0	0	2	MASCOT	T	
1.80E-04	0|0	Cs5g19940.1/Cs5g199	8.22	0	0	2	MASCOT	T	
2.03E-04	0|0	Cs5g19940.1/Cs5g199	8.22	0	0	2	MASCOT	T	
5.46E-03	0|0	Cs5g19940.1/Cs5g199	4.03	0	0	2	MASCOT	T	
1.20E-03	0|0	Cs5g19940.1/Cs5g199	4.03	0	0	2	MASCOT	T	
3.53E-03	0|0	Cs5g19940.1/Cs5g199	4	0	0	2	MASCOT	T	

8.98E-05	0|0	Cs5g19940.1/Cs5g199	4	0	0	2	MASCOT	T		
2.50E-04	0|0	Cs5g19940.1/Cs5g199	4.53	0	0	2	MASCOT	T	PLEX8	
2.75E-03	0|0	Cs5g19940.1/Cs5g199	4.53	0	0	2	MASCOT	T	PLEX8	
1.25E-02	0|0	Cs5g19940.1/Cs5g199	4.53	0	0	2	MASCOT	T	PLEX8	
1.73E-01	0|0	Cs5g19940.1/Cs5g199	5.72	0	0	2	MASCOT	T	PLEX8	
1.39E-02	0|0	Cs5g19940.1/Cs5g199	5.84	0	0	2	MASCOT	T		
1.15E-01	0|0	Cs5g19940.1/Cs5g199	6.74	0	0	2	MASCOT	T		
1.35E-03	0|0	Cs5g19940.1/Cs5g199	5.84	0	0	2	MASCOT	T	PLEX8	
3.43E-03	0|0	Cs5g19940.1/Cs5g199	5.84	0	0	2	MASCOT	T	PLEX8	
1.45E-03	0|0	Cs5g19940.1/Cs5g199	5.84	0	0	2	MASCOT	T	PLEX8	
1.40E-02	0|0	Cs5g19940.1/Cs5g199	5.84	0	0	2	MASCOT	T	PLEX8	
1.01E-01	0|0	Cs5g19940.1/Cs5g199	5.84	0	0	2	MASCOT	T	PLEX8	
3.18E-03	0|0	Cs5g19940.1/Cs5g199	5.84	0	0	2	MASCOT	T	PLEX8	
1.36E-01	0|0	Cs5g19940.1/Cs5g199	5.84	0	0	2	MASCOT	T	PLEX8	
1.85E-02	0|0	Cs5g19940.1/Cs5g199	5.84	0	0	2	MASCOT	T	PLEX8	
6.99E-03	0|0	Cs5g19940.1/Cs5g199	5.84	0	0	2	MASCOT	T	PLEX8	
1.03E-03	0|0	Cs5g19940.1/Cs5g199	5.84	0	0	2	MASCOT	T	PLEX8	
1.23E-01	0|0	Cs5g19940.1/Cs5g199	5.84	0	0	2	MASCOT	T	PLEX8	
1.82E-04	0|0	Cs5g19940.1/Cs5g199	5.84	0	0	2	MASCOT	T	PLEX8	
2.85E-03	0|0	Cs5g19940.1/Cs5g199	5.84	0	0	2	MASCOT	T	PLEX8	
3.41E-01	0|0	Cs7g09060.1/Cs7g090	5.88	0	0	2	MASCOT	T	PLEX8	
4.74E-02	0|0	Cs7g09060.1/Cs7g090	6.05	0	0	2	MASCOT	T	PLEX8	
6.27E-03	0|0	Cs7g09060.1/Cs7g090	6.05	0	0	2	MASCOT	T	PLEX8	
2.87E-03	0|0	Cs7g09060.1/Cs7g090	6.05	0	0	2	MASCOT	T	PLEX8	
1.10E-02	0|0	Cs7g09060.1/Cs7g090	6.05	0	0	2	MASCOT	T	PLEX8	
7.61E-05	0|0	Cs7g09060.1/Cs7g090	5.32	0	0	2	MASCOT	T	PLEX8	
7.90E-02	0|0	Cs7g09060.1/Cs7g090	5.32	0	0	2	MASCOT	T		
7.40E-03	0|0	Cs7g09060.1/Cs7g090	5.32	0	0	2	MASCOT	T	PLEX8	
2.28E-04	0|0	Cs7g09060.1/Cs7g090	5.32	0	0	2	MASCOT	T		
3.64E-02	0|0	Cs7g09060.1/Cs7g090	8.69	0	0	2	MASCOT	T	PLEX8	
1.78E-01	0|0	Cs7g09060.1/Cs7g090	4.37	0	0	2	MASCOT	T	PLEX8	
1.72E-03	0|0	Cs7g09060.1/Cs7g090	4.37	0	0	2	MASCOT	T	PLEX8	
9.66E-02	0|0	Cs7g09060.1/Cs7g090	6	0	0	2	MASCOT	T	PLEX8	
1.83E-02	0|0	Cs7g09060.1/Cs7g090	6	0	0	2	MASCOT	T		
1.93E-04	0|0	Cs7g09060.1/Cs7g090	6	0	0	2	MASCOT	T		
8.10E-05	0|0	Cs7g09060.1/Cs7g090	6	0	0	2	MASCOT	T	PLEX8	
1.06E-02	0|0	Cs7g09060.1/Cs7g090	8.75	0	15.9	0	2	MASCOT	T	PLEX8
2.59E-02	0|0	Cs7g09060.1/Cs7g090	8.75	0	15.9	0	2	MASCOT	T	PLEX8
6.80E-02	0|0	Cs7g09060.1/Cs7g090	8.75	0	0	2	MASCOT	T	PLEX8	
2.34E-04	0|0	Cs7g09060.1/Cs7g090	4.09	0	0	2	MASCOT	T	PLEX8	
2.75E-05	0|0	Cs7g09060.1/Cs7g090	4.09	0	0	2	MASCOT	T	PLEX8	
7.79E-04	0|0	Cs7g09060.1/Cs7g090	4.09	0	0	2	MASCOT	T	PLEX8	
1.13E-05	0|0	Cs7g09060.1/Cs7g090	4.09	0	0	2	MASCOT	T	PLEX8	
1.73E-04	0|0	Cs7g09060.1/Cs7g090	4.09	0	0	2	MASCOT	T	PLEX8	
4.38E-04	0|0	Cs7g09060.1/Cs7g090	4.09	0	0	2	MASCOT	T	PLEX8	
7.81E-02	0|0	Cs7g09060.1/Cs7g090	5.4	0	0	2	MASCOT	T	PLEX8	
1.88E-04	0|0	Cs7g09060.1/Cs7g090	5.4	0	0	2	MASCOT	T	PLEX8	
7.04E-02	0|0	Cs7g09060.1/Cs7g090	5.4	0	0	2	MASCOT	T	PLEX8	
1.10E-01	0|0	Cs7g09060.1/Cs7g090	5.4	0	0	2	MASCOT	T	PLEX8	
7.01E-02	0|0	Cs7g09060.1/Cs7g090	5.4	0	0	2	MASCOT	T	PLEX8	
3.46E-01	0|0	Cs7g09060.1/Cs7g090	5.4	0	0	2	MASCOT	T	PLEX8	

9.30E-03	0|0	Cs7g09060.1/Cs7g090	4.53	0	0	2	MASCOT	T	PLEX8	
3.88E-02	0|0	Cs7g09060.1/Cs7g090	4.53	0	0	2	MASCOT	T	PLEX8	
2.75E-03	0|0	Cs7g09060.1/Cs7g090	4.53	0	0	2	MASCOT	T	PLEX8	
1.74E-02	0|0	Cs7g09060.1/Cs7g090	4.53	0	0	2	MASCOT	T	PLEX8	
1.19E-01	0|0	Cs7g09060.1/Cs7g090	4.53	0	0	2	MASCOT	T	PLEX8	
3.71E-01	0|0	Cs7g09060.1/Cs7g090	4.53	0	0	2	MASCOT	T	PLEX8	
4.15E-03	0|0	Cs7g09060.1/Cs7g090	4.53	0	0	2	MASCOT	T	PLEX8	
1.93E-01	0|0	Cs7g09060.1/Cs7g090	4.53	0	0	2	MASCOT	T	PLEX8	
1.02E-01	0|0	Cs7g09060.1/Cs7g090	4.53	0	0	2	MASCOT	T	PLEX8	
1.88E-01	0|0	Cs7g09060.1/Cs7g090	4.53	0	0	2	MASCOT	T	PLEX8	
1.44E-01	0|0	Cs7g09060.1/Cs7g090	6.74	0	0	2	MASCOT	T	PLEX8	
5.89E-03	0|0	Cs7g09060.1/Cs7g090	6.74	0	0	2	MASCOT	T	PLEX8	
2.36E-01	0|0	Cs7g09060.1/Cs7g090	6.74	0	0	2	MASCOT	T	PLEX8	
6.78E-02	0|0	Cs7g09060.1/Cs7g090	6.74	0	0	2	MASCOT	T	PLEX8	
5.42E-03	0|0	Cs7g09060.1/Cs7g090	4.41	0	0	2	MASCOT	T	PLEX8	
8.73E-02	0|0	Cs7g09060.1/Cs7g090	8.76	0	0	2	MASCOT	T		
2.32E-01	0|0	Cs7g09060.1/Cs7g090	4.21	0	0	2	MASCOT	T	PLEX8	
1.03E-02	0|0	Cs7g09060.1/Cs7g090	4.21	0	0	2	MASCOT	T	PLEX8	
1.09E-01	0|0	Cs7g09060.1/Cs7g090	5.55	0	0	2	MASCOT	T	PLEX8	
1.47E-01	0|0	Cs7g09060.1/Cs7g090	5.55	0	0	2	MASCOT	T	PLEX8	
1.73E-01	0|0	Cs7g09060.1/Cs7g090	8.46	0	0	2	MASCOT	T	PLEX8	
1.83E-04	0|0	Cs7g09060.1/Cs7g090	4.37	0	0	2	MASCOT	T	PLEX8	
2.35E-03	0|0	Cs7g09060.1/Cs7g090	4.21	0	0	2	MASCOT	T		
1.43E-01	0|0	Cs7g09060.1/Cs7g090	4.21	0	0	2	MASCOT	T		
2.40E-04	0|0	Cs7g09060.1/Cs7g090	9.8	0	0	2	MASCOT	T	PLEX8	
1.38E-03	0|0	Cs7g09060.1/Cs7g090	9.8	0	0	2	MASCOT	T		
2.33E-01	0|0	Cs7g09060.1/Cs7g090	6.79	0	0	2	MASCOT	T	PLEX8	
1.88E-01	0|0	Cs7g09060.1/Cs7g090	6.79	0	0	2	MASCOT	T	PLEX8	
2.07E-01	0|0	Cs7g09060.1/Cs7g090	6.79	0	0	2	MASCOT	T	PLEX8	
1.04E-01	0|0	Cs7g09060.1/Cs7g090	6.79	0	0	2	MASCOT	T	PLEX8	
4.72E-02	0|0	Cs7g09060.1/Cs7g090	6.79	0	0	2	MASCOT	T	PLEX8	
8.43E-02	0|0	Cs7g09060.1/Cs7g090	8.27	0	0	2	MASCOT	T	PLEX8	
7.57E-02	0|0	Cs7g09060.1/Cs7g090	8.27	0	0	2	MASCOT	T	PLEX8	
2.45E-01	0|0	Cs7g09060.1/Cs7g090	8.27	0	0	2	MASCOT	T	PLEX8	
7.63E-02	0|0	Cs7g09060.1/Cs7g090	8.27	0	0	2	MASCOT	T	PLEX8	
6.79E-02	0|0	Cs7g09060.1/Cs7g090	8.27	0	0	2	MASCOT	T	PLEX8	
2.16E-01	0|0	Cs7g09060.1/Cs7g090	8.27	0	0	2	MASCOT	T	PLEX8	
2.46E-01	0|0	Cs7g09060.1/Cs7g090	5.84	0	15.9	0	2	MASCOT	T	PLEX8
1.88E-01	0|0	Cs7g09060.1/Cs7g090	5.84	0	15.9	0	2	MASCOT	T	PLEX8
2.47E-01	0|0	Cs7g09060.1/Cs7g090	5.84	0	15.9	0	2	MASCOT	T	PLEX8
7.53E-02	0|0	Cs7g09060.1/Cs7g090	5.84	0	0	2	MASCOT	T	PLEX8	
7.04E-03	0|0	Cs7g09060.1/Cs7g090	5.84	0	0	2	MASCOT	T	PLEX8	
3.63E-01	0|0	Cs7g09060.1/Cs7g090	5.84	0	0	2	MASCOT	T	PLEX8	
9.48E-03	0|0	Cs7g09060.1/Cs7g090	5.84	0	0	2	MASCOT	T	PLEX8	
3.03E-02	0|0	Cs7g09060.1/Cs7g090	5.84	0	0	2	MASCOT	T	PLEX8	
1.12E-02	0|0	Cs7g09060.1/Cs7g090	5.84	0	0	2	MASCOT	T	PLEX8	
1.02E-01	0|0	Cs7g09060.1/Cs7g090	5.84	0	0	2	MASCOT	T	PLEX8	
2.78E-01	0|0	Cs7g09060.1/Cs7g090	6.1	0	0	2	MASCOT	T	PLEX8	
2.64E-01	0|0	Cs7g09060.1/Cs7g090	6.1	0	0	2	MASCOT	T	PLEX8	
2.29E-01	0|0	Cs7g09060.1/Cs7g090	6.1	0	0	2	MASCOT	T	PLEX8	
6.16E-03	0|0	Cs7g09060.1/Cs7g090	4.37	0	0	2	MASCOT	T	PLEX8	

1.04E-02	0|0	Cs7g09060.1/Cs7g090	4.37	0	0	2	MASCOT	T	PLEX8	
1.20E-02	0|0	Cs7g09060.1/Cs7g090	4.37	0	0	2	MASCOT	T	PLEX8	
1.07E-02	0|0	Cs2g13250.1/Cs7g090	6.07	1	0	2	MASCOT	T	PLEX8	
1.24E-03	0|0	Cs2g13250.1/Cs7g090	6.07	1	0	2	MASCOT	T	PLEX8	
2.97E-02	0|0	Cs2g13250.1/Cs7g090	6.07	1	0	2	MASCOT	T	PLEX8	
4.73E-03	0|0	Cs7g09060.1/Cs7g090	6.74	0	0	2	MASCOT	T	PLEX8	
2.54E-02	0|0	Cs7g09060.1/Cs7g090	6.74	0	0	2	MASCOT	T	PLEX8	
2.57E-03	0|0	Cs7g09060.1/Cs7g090	4.25	0	0	2	MASCOT	T	PLEX8	
2.60E-04	0|0	Cs7g09060.1/Cs7g090	4.25	0	0	2	MASCOT	T	PLEX8	
2.48E-03	0|0	Cs7g09060.1/Cs7g090	4.25	0	0	2	MASCOT	T		
1.70E-02	0|0	Cs7g09060.1/Cs7g090	4.25	0	0	2	MASCOT	T		
5.64E-04	0|0	Cs7g09060.1/Cs7g090	4.25	0	0	2	MASCOT	T		
2.30E-02	0|0	Cs7g09060.1/Cs7g090	4.25	0	0	2	MASCOT	T		
1.76E-03	0|0	Cs7g09060.1/Cs7g090	4.25	0	0	2	MASCOT	T		
4.73E-03	0|0	Cs7g09060.1/Cs7g090	4.25	0	0	2	MASCOT	T		
1.48E-02	0|0	Cs7g09060.1/Cs7g090	4.25	0	0	2	MASCOT	T		
9.16E-02	0|0	Cs7g09060.1/Cs7g090	8.41	0	0	2	MASCOT	T	PLEX8	
6.93E-03	0|0	Cs7g09060.1/Cs7g090	8.41	0	0	2	MASCOT	T	PLEX8	
3.91E-02	0|0	Cs7g09060.1/Cs7g090	8.41	0	0	2	MASCOT	T	PLEX8	
3.28E-02	0|0	Cs7g09060.1/Cs7g090	4.14	0	0	2	MASCOT	T	PLEX8	
5.12E-02	0|0	Cs7g09060.1/Cs7g090	4.14	0	0	2	MASCOT	T	PLEX8	
1.79E-01	0|0	Cs7g09060.1/Cs7g090	4.14	0	0	2	MASCOT	T		
3.98E-02	0|0	Cs7g09060.1/Cs7g090	4.14	0	0	2	MASCOT	T		
1.29E-03	0|0	Cs7g09060.1/Cs7g090	4.14	0	0	2	MASCOT	T		
2.01E-05	0|0	Cs7g09060.1/Cs7g090	4.14	0	0	2	MASCOT	T		
2.83E-08	0|0	Cs7g09060.1/Cs7g090	4.14	0	0	2	MASCOT	T		
6.95E-04	0|0	Cs7g09060.1/Cs7g090	4.14	0	0	2	MASCOT	T	PLEX8	
2.28E-01	0|0	orange1.1t03572.1/ora	5.88	0	0	2	MASCOT	T	PLEX8	
1.34E-02	0|0	orange1.1t03572.1/ora	5.88	0	0	2	MASCOT	T	PLEX8	
2.57E-01	0|0	orange1.1t03572.1/ora	5.88	0	0	2	MASCOT	T	PLEX8	
3.35E-02	0|0	orange1.1t03572.1/ora	6.05	0	0	2	MASCOT	T	PLEX8	
1.44E-01	0|0	orange1.1t03572.1/ora	6.05	0	0	2	MASCOT	T	PLEX8	
1.27E-01	0|0	orange1.1t03572.1/ora	6.05	0	0	2	MASCOT	T	PLEX8	
3.07E-01	0|0	orange1.1t03572.1/ora	6.05	0	0	2	MASCOT	T	PLEX8	
1.18E-01	0|0	orange1.1t03572.1/ora	6.05	0	0	2	MASCOT	T		
9.35E-03	0|0	orange1.1t03572.1/ora	5.32	0	15.9	0	2	MASCOT	T	PLEX8
4.61E-02	0|0	orange1.1t03572.1/ora	5.32	0	15.9	0	2	MASCOT	T	PLEX8
1.10E-02	0|0	orange1.1t03572.1/ora	5.32	0	15.9	0	2	MASCOT	T	PLEX8
8.23E-02	0|0	orange1.1t03572.1/ora	5.32	0	0	2	MASCOT	T	PLEX8	
1.31E-03	0|0	orange1.1t03572.1/ora	5.32	0	0	2	MASCOT	T	PLEX8	
2.08E-03	0|0	orange1.1t03572.1/ora	5.32	0	0	2	MASCOT	T	PLEX8	
8.43E-02	0|0	orange1.1t03572.1/ora	3.93	0	0	2	MASCOT	T	PLEX8	
5.47E-02	0|0	orange1.1t03572.1/ora	3.83	0	0	2	MASCOT	T		
3.43E-04	0|0	orange1.1t03572.1/ora	3.83	0	0	2	MASCOT	T		
3.56E-02	0|0	orange1.1t03572.1/ora	6.1	0	0	2	MASCOT	T	PLEX8	
9.60E-02	0|0	orange1.1t03572.1/ora	6.1	0	0	2	MASCOT	T	PLEX8	
3.72E-01	0|0	orange1.1t03572.1/ora	4.53	0	0	2	MASCOT	T	PLEX8	
4.79E-04	0|0	orange1.1t03572.1/ora	4.53	0	0	2	MASCOT	T	PLEX8	
7.07E-04	0|0	orange1.1t03572.1/ora	5.84	0	0	2	MASCOT	T	PLEX8	
1.20E-03	0|0	orange1.1t03572.1/ora	5.84	0	0	2	MASCOT	T	PLEX8	
1.30E-05	0|0	orange1.1t03572.1/ora	5.84	0	0	2	MASCOT	T	PLEX8	

4.16E-01	0|0	orange1.1t03572.1/ora	5.21	0	0	2	MASCOT	T	PLEX8	
7.40E-07	0|0	orange1.1t03572.1/ora	5.21	0	0	2	MASCOT	T	PLEX8	
4.97E-03	0|0	orange1.1t03572.1/ora	6	0	0	2	MASCOT	T		
8.18E-04	0|0	orange1.1t03572.1/ora	4.03	0	0	2	MASCOT	T		
1.44E-01	0|0	orange1.1t03572.1/ora	4.21	0	0	2	MASCOT	T		
2.88E-01	0|0	orange1.1t03572.1/ora	8.76	0	15.9	0	2	MASCOT	T	PLEX8
3.07E-01	0|0	orange1.1t03572.1/ora	8.76	0	15.9	0	2	MASCOT	T	PLEX8
1.39E-03	0|0	orange1.1t03572.1/ora	8.76	0	0	2	MASCOT	T	PLEX8	
2.89E-01	0|0	orange1.1t03572.1/ora	6	0	0	2	MASCOT	T	PLEX8	
3.70E-05	0|0	orange1.1t03572.1/ora	6	0	0	2	MASCOT	T	PLEX8	
1.97E-02	0|0	orange1.1t03572.1/ora	6	0	0	2	MASCOT	T	PLEX8	
1.30E-01	0|0	orange1.1t03572.1/ora	8.76	0	0	2	MASCOT	T	PLEX8	
7.73E-03	0|0	orange1.1t03572.1/ora	8.49	0	0	2	MASCOT	T		
6.83E-04	0|0	orange1.1t03572.1/ora	8.49	0	0	2	MASCOT	T	PLEX8	
2.49E-03	0|0	orange1.1t03572.1/ora	8.49	0	0	2	MASCOT	T		
3.04E-03	0|0	orange1.1t03572.1/ora	5.38	0	0	2	MASCOT	T	PLEX8	
1.10E-02	0|0	orange1.1t03572.1/ora	5.38	0	0	2	MASCOT	T	PLEX8	
2.75E-03	0|0	orange1.1t03572.1/ora	5.38	0	0	2	MASCOT	T	PLEX8	
2.76E-02	0|0	orange1.1t03572.1/ora	5.38	0	0	2	MASCOT	T	PLEX8	
7.29E-03	0|0	orange1.1t03572.1/ora	5.38	0	0	2	MASCOT	T	PLEX8	
2.92E-02	0|0	orange1.1t03572.1/ora	4.14	0	0	2	MASCOT	T	PLEX8	
1.29E-04	0|0	orange1.1t03572.1/ora	4.14	0	0	2	MASCOT	T	PLEX8	
2.44E-02	0|0	orange1.1t03572.1/ora	4.14	0	0	2	MASCOT	T	PLEX8	
1.88E-02	0|0	orange1.1t03572.1/ora	8.44	0	0	2	MASCOT	T	PLEX8	
1.23E-02	0|0	orange1.1t03572.1/ora	8.44	0	0	2	MASCOT	T	PLEX8	
1.73E-01	0|0	orange1.1t03572.1/ora	5.5	0	0	2	MASCOT	T	PLEX8	
4.75E-02	0|0	orange1.1t03572.1/ora	4.18	1	0	2	MASCOT	T	PLEX8	
1.01E-01	0|0	orange1.1t03572.1/ora	5.84	0	0	2	MASCOT	T	PLEX8	
1.48E-01	0|0	orange1.1t03572.1/ora	6.1	0	0	2	MASCOT	T	PLEX8	
1.81E-01	0|0	orange1.1t03572.1/ora	6.1	0	0	2	MASCOT	T	PLEX8	
4.71E-02	0|0	orange1.1t03572.1/ora	5.4	0	15.9	0	2	MASCOT	T	PLEX8
1.31E-01	0|0	orange1.1t03572.1/ora	5.4	0	15.9	0	2	MASCOT	T	PLEX8
6.49E-02	0|0	orange1.1t03572.1/ora	5.4	0	15.9	0	2	MASCOT	T	PLEX8
6.66E-03	0|0	orange1.1t03572.1/ora	5.4	0	15.9	0	2	MASCOT	T	PLEX8
2.48E-03	0|0	orange1.1t03572.1/ora	5.4	0	0	2	MASCOT	T	PLEX8	
1.03E-04	0|0	orange1.1t03572.1/ora	5.4	0	0	2	MASCOT	T	PLEX8	
1.66E-02	0|0	orange1.1t03572.1/ora	5.4	0	0	2	MASCOT	T	PLEX8	
3.19E-02	0|0	orange1.1t03572.1/ora	8.25	0	0	2	MASCOT	T	PLEX8	
6.00E-08	0|0	orange1.1t03572.1/ora	8.25	0	0	2	MASCOT	T		
8.11E-02	0|0	orange1.1t03572.1/ora	8.75	0	0	2	MASCOT	T	PLEX8	
1.47E-01	0|0	orange1.1t03572.1/ora	8.75	0	0	2	MASCOT	T	PLEX8	
1.09E-06	0|0	orange1.1t03572.1/ora	8.08	0	0	2	MASCOT	T	PLEX8	
4.43E-02	0|0	orange1.1t03572.1/ora	8.08	0	0	2	MASCOT	T	PLEX8	
3.37E-02	0|0	orange1.1t03572.1/ora	8.08	0	0	2	MASCOT	T	PLEX8	
6.22E-02	0|0	orange1.1t03572.1/ora	5.74	0	15.9	0	2	MASCOT	T	PLEX8
1.34E-03	0|0	orange1.1t03572.1/ora	5.74	0	0	2	MASCOT	T	PLEX8	
5.95E-02	0|0	orange1.1t03572.1/ora	8.56	0	0	2	MASCOT	T	PLEX8	
8.49E-03	0|0	orange1.1t03572.1/ora	8.56	0	0	2	MASCOT	T	PLEX8	
3.70E-05	0|0	orange1.1t03572.1/ora	5.97	0	0	2	MASCOT	T		
5.25E-02	0|0	orange1.1t03572.1/ora	8.72	0	15.9	0	2	MASCOT	T	PLEX8
7.13E-04	0|0	orange1.1t03572.1/ora	8.72	0	0	2	MASCOT	T	PLEX8	

1.90E-02	0|0	orange1.1t03572.1/ora	8.72	0	0	2	MASCOT	T	PLEX8	
1.33E-02	0|0	orange1.1t03572.1/ora	8.72	0	0	2	MASCOT	T	PLEX8	
1.92E-02	0|0	orange1.1t03572.1/ora	8.72	0	0	2	MASCOT	T	PLEX8	
2.49E-02	0|0	orange1.1t03572.1/ora	5.21	0	0	2	MASCOT	T	PLEX8	
5.09E-02	0|0	orange1.1t01932.1/ora	5.88	0	0	2	MASCOT	T	PLEX8	
2.60E-01	0|0	orange1.1t01932.1/ora	5.88	0	0	2	MASCOT	T	PLEX8	
9.06E-02	0|0	orange1.1t01932.1/ora	5.88	0	0	2	MASCOT	T	PLEX8	
4.38E-03	0|0	orange1.1t01932.1/ora	5.88	0	0	2	MASCOT	T	PLEX8	
1.55E-01	0|0	orange1.1t01932.1/ora	5.88	0	0	2	MASCOT	T	PLEX8	
7.20E-03	0|0	orange1.1t01932.1/ora	5.88	0	0	2	MASCOT	T	PLEX8	
2.07E-01	0|0	orange1.1t01932.1/ora	5.88	0	0	2	MASCOT	T	PLEX8	
4.80E-02	0|0	orange1.1t01932.1/ora	5.88	0	0	2	MASCOT	T	PLEX8	
5.68E-02	0|0	orange1.1t01932.1/ora	5.88	0	0	2	MASCOT	T	PLEX8	
7.05E-02	0|0	orange1.1t01932.1/ora	5.88	0	0	2	MASCOT	T	PLEX8	
1.05E-05	0|0	orange1.1t01933.1	4.37	0	15.9	0	2	MASCOT	T	PLEX8
8.18E-04	0|0	orange1.1t01933.1	4.37	0	15.9	0	2	MASCOT	T	PLEX8
1.24E-02	0|0	orange1.1t01933.1	4.37	0	15.9	0	2	MASCOT	T	PLEX8
1.33E-05	0|0	orange1.1t01933.1	4.37	0	15.9	0	2	MASCOT	T	PLEX8
2.99E-03	0|0	orange1.1t01933.1	4.37	0	15.9	0	2	MASCOT	T	PLEX8
1.21E-03	0|0	orange1.1t01933.1	4.37	0	15.9	0	2	MASCOT	T	PLEX8
3.49E-06	0|0	orange1.1t01933.1	4.37	0	15.9	0	2	MASCOT	T	PLEX8
7.06E-02	0|0	orange1.1t01933.1	4.37	0	15.9	0	2	MASCOT	T	PLEX8
7.75E-02	0|0	orange1.1t01933.1	4.37	0	15.9	0	2	MASCOT	T	PLEX8
6.25E-02	0|0	orange1.1t01933.1	4.37	0	0	2	MASCOT	T	PLEX8	
3.88E-03	0|0	orange1.1t01933.1	4.37	0	0	2	MASCOT	T	PLEX8	
2.05E-03	0|0	orange1.1t01933.1	4.37	0	0	2	MASCOT	T	PLEX8	
8.81E-04	0|0	orange1.1t01933.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.22E-01	0|0	orange1.1t01933.1	4.37	0	0	2	MASCOT	T	PLEX8	
3.38E-04	0|0	orange1.1t01933.1	4.37	0	0	2	MASCOT	T	PLEX8	
2.76E-05	0|0	orange1.1t01933.1	4.37	0	0	2	MASCOT	T	PLEX8	
7.11E-03	0|0	orange1.1t01933.1	4.37	0	0	2	MASCOT	T	PLEX8	
7.54E-06	0|0	orange1.1t01933.1	4.37	0	0	2	MASCOT	T	PLEX8	
2.59E-01	0|0	orange1.1t01933.1	4.37	0	0	2	MASCOT	T	PLEX8	
5.48E-03	0|0	orange1.1t01933.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.03E-01	0|0	orange1.1t01933.1	4.37	0	0	2	MASCOT	T	PLEX8	
5.21E-03	0|0	orange1.1t01933.1/ora	4.03	0	0	2	MASCOT	T	PLEX8	
7.79E-02	0|0	orange1.1t01933.1/ora	4.03	0	0	2	MASCOT	T	PLEX8	
4.00E-01	0|0	orange1.1t01933.1/ora	5.84	0	0	2	MASCOT	T	PLEX8	
1.64E-02	0|0	orange1.1t01933.1/ora	5.84	0	0	2	MASCOT	T	PLEX8	
1.25E-02	0|0	orange1.1t01933.1/ora	5.84	0	0	2	MASCOT	T	PLEX8	
1.58E-01	0|0	orange1.1t01933.1/ora	5.84	0	0	2	MASCOT	T	PLEX8	
1.78E-01	0|0	orange1.1t01933.1/ora	5.84	0	0	2	MASCOT	T	PLEX8	
4.09E-01	0|0	orange1.1t01933.1/ora	5.84	0	0	2	MASCOT	T	PLEX8	
9.68E-03	0|0	orange1.1t01933.1/ora	5.84	0	0	2	MASCOT	T	PLEX8	
2.34E-01	0|0	orange1.1t01933.1/ora	5.84	0	0	2	MASCOT	T	PLEX8	
1.39E-02	0|0	orange1.1t01933.1/ora	5.84	0	0	2	MASCOT	T	PLEX8	
7.65E-02	0|0	orange1.1t01933.1/ora	5.84	0	0	2	MASCOT	T	PLEX8	
6.01E-03	0|0	orange1.1t01933.1/ora	5.84	0	0	2	MASCOT	T	PLEX8	
8.11E-03	0|0	orange1.1t01933.1/ora	5.84	0	0	2	MASCOT	T	PLEX8	
2.84E-02	0|0	orange1.1t01933.1/ora	5.84	0	0	2	MASCOT	T	PLEX8	
2.86E-02	0|0	orange1.1t01933.1/ora	5.84	0	0	2	MASCOT	T	PLEX8	

7.91E-03	0|0	orange1.1t01933.1/ora	5.84	0	0	2	MASCOT	T	PLEX8	
5.94E-03	0|0	orange1.1t01933.1/ora	5.84	0	0	2	MASCOT	T	PLEX8	
6.49E-03	0|0	orange1.1t01933.1/ora	5.84	0	0	2	MASCOT	T	PLEX8	
6.08E-03	0|0	orange1.1t01933.1/ora	5.84	0	0	2	MASCOT	T	PLEX8	
3.60E-01	0|0	orange1.1t01933.1/ora	5.84	0	0	2	MASCOT	T	PLEX8	
2.15E-01	0|0	orange1.1t01933.1/ora	5.84	0	0	2	MASCOT	T	PLEX8	
6.47E-02	0|0	orange1.1t01933.1/ora	5.84	0	0	2	MASCOT	T		
1.33E-02	0|0	orange1.1t01933.1/ora	5.84	0	0	2	MASCOT	T		
5.03E-03	0|0	orange1.1t01933.1	3.66	0	0	2	MASCOT	T	PLEX8	
8.55E-03	0|0	orange1.1t01933.1	3.66	0	0	2	MASCOT	T	PLEX8	
3.91E-01	0|0	orange1.1t01933.1/ora	6.74	0	0	2	MASCOT	T	PLEX8	
3.06E-02	0|0	orange1.1t01933.1/ora	6.74	0	0	2	MASCOT	T	PLEX8	
5.02E-02	0|0	orange1.1t01933.1/ora	6.74	0	0	2	MASCOT	T	PLEX8	
2.54E-02	0|0	orange1.1t01933.1/ora	6.74	0	0	2	MASCOT	T	PLEX8	
1.16E-01	0|0	orange1.1t01933.1/ora	6.74	0	0	2	MASCOT	T	PLEX8	
2.28E-01	0|0	orange1.1t01933.1/ora	6.74	0	0	2	MASCOT	T	PLEX8	
3.52E-01	0|0	orange1.1t01933.1/ora	6.74	0	0	2	MASCOT	T	PLEX8	
9.34E-02	0|0	orange1.1t01933.1/ora	6.74	0	0	2	MASCOT	T	PLEX8	
2.85E-01	0|0	orange1.1t01933.1/ora	6.74	0	0	2	MASCOT	T	PLEX8	
1.12E-01	0|0	orange1.1t01933.1/ora	6.74	0	0	2	MASCOT	T	PLEX8	
3.70E-01	0|0	orange1.1t01933.1/ora	6.74	0	0	2	MASCOT	T	PLEX8	
6.70E-02	0|0	orange1.1t01933.1/ora	6.74	0	0	2	MASCOT	T	PLEX8	
1.42E-01	0|0	orange1.1t01933.1/ora	6.74	0	0	2	MASCOT	T	PLEX8	
3.64E-02	0|0	orange1.1t01933.1/ora	6.74	0	0	2	MASCOT	T	PLEX8	
3.34E-02	0|0	orange1.1t01933.1/ora	6.74	0	0	2	MASCOT	T	PLEX8	
3.66E-01	0|0	orange1.1t01933.1/ora	6.74	0	0	2	MASCOT	T	PLEX8	
9.38E-07	0|0	orange1.1t01933.1	4.56	1	0	2	MASCOT	T	PLEX8	
3.17E-02	0|0	orange1.1t01933.1	4.56	1	0	2	MASCOT	T	PLEX8	
1.24E-04	0|0	orange1.1t01933.1	4.56	1	0	2	MASCOT	T	PLEX8	
5.94E-05	0|0	orange1.1t01933.1	4.56	1	0	2	MASCOT	T	PLEX8	
8.22E-04	0|0	orange1.1t01933.1	4.56	1	0	2	MASCOT	T	PLEX8	
6.04E-06	0|0	orange1.1t01933.1	4.56	1	0	2	MASCOT	T	PLEX8	
9.19E-03	0|0	orange1.1t01933.1	4.56	1	0	2	MASCOT	T		
3.53E-02	0|0	orange1.1t01933.1	4.56	1	0	2	MASCOT	T		
1.32E-02	0|0	orange1.1t01933.1	4.56	1	0	2	MASCOT	T		
8.45E-05	0|0	orange1.1t01933.1	4.56	1	0	2	MASCOT	T		
1.28E-04	0|0	orange1.1t01933.1	4.56	1	0	2	MASCOT	T		
7.41E-02	0|0	orange1.1t01933.1/ora	5.99	0	0	2	MASCOT	T	PLEX8	
2.47E-01	0|0	orange1.1t01933.1/ora	5.99	0	0	2	MASCOT	T	PLEX8	
2.30E-01	0|0	orange1.1t01933.1/ora	5.99	0	0	2	MASCOT	T	PLEX8	
2.82E-01	0|0	orange1.1t01933.1/ora	5.99	0	0	2	MASCOT	T	PLEX8	
2.19E-01	0|0	orange1.1t01933.1/ora	5.99	0	0	2	MASCOT	T	PLEX8	
3.42E-01	0|0	orange1.1t01933.1/ora	5.99	0	0	2	MASCOT	T	PLEX8	
3.08E-03	0|0	orange1.1t01933.1/ora	4	0	15.9	0	2	MASCOT	T	PLEX8
1.02E-02	0|0	orange1.1t01933.1/ora	4	0	15.9	0	2	MASCOT	T	PLEX8
9.46E-03	0|0	orange1.1t01933.1/ora	4	0	15.9	0	2	MASCOT	T	PLEX8
1.19E-01	0|0	orange1.1t01933.1/ora	4	0	15.9	0	2	MASCOT	T	PLEX8
4.31E-03	0|0	orange1.1t01933.1/ora	4	0	15.9	0	2	MASCOT	T	PLEX8
3.00E-03	0|0	orange1.1t01933.1/ora	4	0	15.9	0	2	MASCOT	T	PLEX8
1.12E-02	0|0	orange1.1t01933.1/ora	4	0	15.9	0	2	MASCOT	T	PLEX8
3.92E-03	0|0	orange1.1t01933.1/ora	4	0	15.9	0	2	MASCOT	T	PLEX8

2.19E-01 0|0	orange1.1t01933.1/ora	4	0	15.9	0	2	MASCOT	T	PLEX8
3.38E-03 0|0	orange1.1t01933.1/ora	4	0		0	2	MASCOT	T	PLEX8
1.42E-01 0|0	orange1.1t01933.1/ora	4	0		0	2	MASCOT	T	PLEX8
4.77E-02 0|0	orange1.1t01933.1/ora	4	0		0	2	MASCOT	T	PLEX8
2.53E-03 0|0	orange1.1t01933.1/ora	4	0		0	2	MASCOT	T	PLEX8
1.06E-02 0|0	orange1.1t01933.1/ora	4	0		0	2	MASCOT	T	PLEX8
7.50E-03 0|0	orange1.1t01933.1/ora	4	0		0	2	MASCOT	T	PLEX8
5.79E-02 0|0	orange1.1t01933.1/ora	4	0		0	2	MASCOT	T	PLEX8
1.92E-03 0|0	orange1.1t01933.1/ora	4	0		0	2	MASCOT	T	PLEX8
5.73E-03 0|0	orange1.1t01933.1/ora	4	0		0	2	MASCOT	T	PLEX8
2.57E-03 0|0	orange1.1t01933.1/ora	4	0		0	2	MASCOT	T	PLEX8
2.67E-03 0|0	orange1.1t01933.1/ora	4	0		0	2	MASCOT	T	PLEX8
5.48E-02 0|0	orange1.1t01933.1/ora	4	0		0	2	MASCOT	T	PLEX8
2.84E-03 0|0	orange1.1t01933.1/ora	4	0		0	2	MASCOT	T	PLEX8
2.05E-01 0|0	orange1.1t01933.1/ora	4	0		0	2	MASCOT	T	PLEX8
2.26E-02 0|0	orange1.1t01933.1/ora	4	0		0	2	MASCOT	T	PLEX8
1.19E-01 0|0	orange1.1t01933.1/ora	4	0		0	2	MASCOT	T	
2.58E-02 0|0	orange1.1t01933.1/ora	4	0		0	2	MASCOT	T	
1.11E-02 0|0	orange1.1t01933.1	4.37	0		0	2	MASCOT	T	PLEX8
8.57E-04 0|0	orange1.1t01933.1	4.37	0		0	2	MASCOT	T	PLEX8
3.62E-03 0|0	orange1.1t01933.1	4.37	0		0	2	MASCOT	T	PLEX8
1.48E-05 0|0	orange1.1t01933.1	4.37	0		0	2	MASCOT	T	PLEX8
6.96E-03 0|0	orange1.1t01933.1	4.37	0		0	2	MASCOT	T	PLEX8
1.13E-01 0|0	orange1.1t01933.1	4.37	0		0	2	MASCOT	T	PLEX8
1.02E-03 0|0	orange1.1t01933.1	4.37	0		0	2	MASCOT	T	PLEX8
3.07E-03 0|0	orange1.1t01933.1	4.37	0		0	2	MASCOT	T	PLEX8
1.97E-05 0|0	orange1.1t01933.1	4.37	0		0	2	MASCOT	T	PLEX8
2.69E-02 0|0	orange1.1t01933.1	4.37	0		0	2	MASCOT	T	PLEX8
1.94E-02 0|0	orange1.1t01933.1	4.37	0		0	2	MASCOT	T	PLEX8
2.58E-01 0|0	orange1.1t01933.1	4.37	0		0	2	MASCOT	T	PLEX8
5.29E-05 0|0	orange1.1t01933.1	4.37	0		0	2	MASCOT	T	PLEX8
1.48E-04 0|0	orange1.1t01933.1	4.37	0		0	2	MASCOT	T	PLEX8
1.10E-03 0|0	orange1.1t01933.1	4.37	0		0	2	MASCOT	T	PLEX8
1.40E-02 0|0	orange1.1t01933.1	4.37	0		0	2	MASCOT	T	PLEX8
1.01E-01 0|0	orange1.1t01933.1	4.37	0		0	2	MASCOT	T	
3.10E-02 0|0	orange1.1t01933.1	4.37	0		0	2	MASCOT	T	PLEX8
2.64E-06 0|0	orange1.1t01933.1	4.37	0		0	2	MASCOT	T	PLEX8
5.75E-03 0|0	orange1.1t01933.1	4.37	0		0	2	MASCOT	T	PLEX8
1.18E-02 0|0	orange1.1t01933.1	4.37	0		0	2	MASCOT	T	
1.25E-03 0|0	orange1.1t01932.1/ora	4.53	0		0	2	MASCOT	T	PLEX8
2.03E-01 0|0	orange1.1t01932.1/ora	4.53	0		0	2	MASCOT	T	PLEX8
3.67E-02 0|0	orange1.1t01932.1/ora	4.53	0		0	2	MASCOT	T	PLEX8
7.55E-06 0|0	orange1.1t01932.1/ora	4.53	0		0	2	MASCOT	T	
1.55E-03 0|0	orange1.1t01932.1/ora	4.53	0		0	2	MASCOT	T	
9.18E-09 0|0	orange1.1t01932.1/ora	4.53	0		0	2	MASCOT	T	
3.05E-04 0|0	orange1.1t01932.1/ora	4.53	0		0	2	MASCOT	T	
5.13E-09 0|0	orange1.1t01932.1/ora	4.53	0		0	2	MASCOT	T	
2.58E-04 0|0	orange1.1t01932.1/ora	4.53	0		0	2	MASCOT	T	
5.23E-03 0|0	orange1.1t01932.1/ora	4.53	0		0	2	MASCOT	T	
2.05E-01 0|0	orange1.1t01932.1/ora	4.53	0		0	2	MASCOT	T	
8.24E-02 0|0	orange1.1t01932.1/ora	4.53	0		0	2	MASCOT	T	

1.65E-03	0|0	orange1.1t01932.1/ora	4.53	0	0	2	MASCOT	T	
9.10E-02	0|0	orange1.1t01933.1/ora	4.56	1	0	2	MASCOT	T	PLEX8
7.49E-02	0|0	orange1.1t01932.1/ora	9.47	0	0	2	MASCOT	T	PLEX8
1.77E-01	0|0	orange1.1t01932.1/ora	9.47	0	0	2	MASCOT	T	PLEX8
7.14E-02	0|0	orange1.1t01932.1/ora	9.47	0	0	2	MASCOT	T	PLEX8
2.84E-02	0|0	orange1.1t01933.1/ora	5.66	0	0	2	MASCOT	T	PLEX8
1.37E-01	0|0	orange1.1t01933.1/ora	5.66	0	0	2	MASCOT	T	PLEX8
6.63E-02	0|0	orange1.1t01933.1/ora	5.66	0	0	2	MASCOT	T	PLEX8
3.22E-01	0|0	orange1.1t01933.1/ora	5.66	0	0	2	MASCOT	T	PLEX8
3.98E-02	0|0	orange1.1t01933.1/ora	5.66	0	0	2	MASCOT	T	PLEX8
6.61E-02	0|0	orange1.1t01933.1/ora	5.66	0	0	2	MASCOT	T	PLEX8
1.39E-01	0|0	orange1.1t01933.1	5.97	0	0	2	MASCOT	T	PLEX8
6.16E-02	0|0	orange1.1t01933.1	5.97	0	0	2	MASCOT	T	PLEX8
9.84E-02	0|0	orange1.1t01933.1	5.97	0	0	2	MASCOT	T	PLEX8
2.33E-02	0|0	orange1.1t01933.1/ora	4.03	0	0	2	MASCOT	T	PLEX8
8.52E-03	0|0	orange1.1t01933.1/ora	4.03	0	0	2	MASCOT	T	PLEX8
2.56E-03	0|0	orange1.1t01933.1/ora	4.03	0	0	2	MASCOT	T	PLEX8
7.05E-03	0|0	orange1.1t01933.1/ora	4.03	0	0	2	MASCOT	T	PLEX8
8.13E-03	0|0	orange1.1t01933.1/ora	4.03	0	0	2	MASCOT	T	PLEX8
2.69E-01	0|0	orange1.1t01933.1/ora	4.03	0	0	2	MASCOT	T	PLEX8
2.33E-01	0|0	orange1.1t01933.1/ora	4.03	0	0	2	MASCOT	T	PLEX8
1.93E-01	0|0	orange1.1t01933.1/ora	4.03	0	0	2	MASCOT	T	PLEX8
4.12E-02	0|0	orange1.1t01933.1/ora	4.03	0	0	2	MASCOT	T	PLEX8
3.07E-02	0|0	orange1.1t01933.1/ora	4.03	0	0	2	MASCOT	T	PLEX8
4.62E-02	0|0	orange1.1t01933.1/ora	4.03	0	0	2	MASCOT	T	PLEX8
3.02E-01	0|0	orange1.1t01933.1/ora	4.03	0	0	2	MASCOT	T	PLEX8
1.98E-02	0|0	orange1.1t01933.1/ora	4.03	0	0	2	MASCOT	T	PLEX8
2.84E-02	0|0	orange1.1t01933.1/ora	4.03	0	0	2	MASCOT	T	PLEX8
4.31E-02	0|0	orange1.1t01933.1/ora	4.03	0	0	2	MASCOT	T	
7.19E-02	0|0	orange1.1t01933.1/ora	4.03	0	0	2	MASCOT	T	
1.81E-01	0|0	orange1.1t01932.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
7.68E-02	0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8
6.48E-02	0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8
3.24E-02	0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8
7.40E-02	0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8
1.46E-01	0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	
2.02E-04	0|0	orange1.1t01933.1/ora	5.84	0	0	2	MASCOT	T	
4.85E-03	0|0	orange1.1t01933.1/ora	5.84	0	0	2	MASCOT	T	PLEX8
4.57E-02	0|0	orange1.1t01933.1/ora	5.84	0	0	2	MASCOT	T	PLEX8
7.92E-02	0|0	orange1.1t01933.1/ora	5.84	0	0	2	MASCOT	T	PLEX8
7.25E-02	0|0	orange1.1t01933.1/ora	5.84	0	0	2	MASCOT	T	PLEX8
6.60E-02	0|0	orange1.1t01933.1/ora	5.84	0	0	2	MASCOT	T	PLEX8
4.77E-02	0|0	orange1.1t01933.1/ora	5.84	0	0	2	MASCOT	T	
4.31E-04	0|0	orange1.1t01933.1/ora	4.53	0	0	2	MASCOT	T	PLEX8
2.66E-02	0|0	orange1.1t01933.1/ora	4.53	0	0	2	MASCOT	T	PLEX8
7.94E-05	0|0	orange1.1t01933.1/ora	4.53	0	0	2	MASCOT	T	PLEX8
1.03E-02	0|0	orange1.1t01933.1/ora	4.53	0	0	2	MASCOT	T	
3.58E-03	0|0	orange1.1t01933.1/ora	4.53	0	0	2	MASCOT	T	PLEX8
9.88E-03	0|0	orange1.1t01933.1/ora	4.53	0	0	2	MASCOT	T	PLEX8
9.47E-02	0|0	orange1.1t01933.1/ora	4.53	0	0	2	MASCOT	T	PLEX8
1.31E-03	0|0	orange1.1t01933.1/ora	4.53	0	0	2	MASCOT	T	

1.17E-02	0|0	orange1.1t01933.1/ora	4.53	0	0	2	MASCOT	T	
1.13E-01	0|0	orange1.1t01933.1/ora	4.53	0	0	2	MASCOT	T	
5.29E-06	0|0	orange1.1t01933.1/ora	4.53	0	0	2	MASCOT	T	
2.89E-02	0|0	orange1.1t01933.1/ora	4.53	0	0	2	MASCOT	T	
1.28E-01	0|0	orange1.1t01933.1/ora	4.53	0	0	2	MASCOT	T	
1.70E-04	0|0	orange1.1t01933.1/ora	4.53	0	0	2	MASCOT	T	PLEX8
8.98E-02	0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8
2.65E-03	0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8
3.06E-03	0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8
7.55E-02	0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8
1.11E-02	0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8
6.29E-03	0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8
1.24E-01	0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8
2.98E-03	0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8
1.02E-03	0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8
1.92E-02	0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8
4.22E-03	0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8
9.67E-02	0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8
9.35E-04	0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8
2.82E-02	0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8
1.00E-02	0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8
2.83E-03	0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8
3.54E-02	0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8
1.20E-01	0|0	orange1.1t01933.1/ora	4.41	1	0	2	MASCOT	T	PLEX8
1.40E-01	0|0	orange1.1t01932.1/ora	5.84	0	0	2	MASCOT	T	
2.85E-01	0|0	orange1.1t01932.1/ora	5.84	0	0	2	MASCOT	T	
8.01E-02	0|0	orange1.1t01932.1/ora	5.84	0	0	2	MASCOT	T	
2.08E-01	0|0	orange1.1t01932.1/ora	5.84	0	0	2	MASCOT	T	
1.30E-01	0|0	orange1.1t01932.1/ora	5.84	0	0	2	MASCOT	T	
1.26E-01	0|0	orange1.1t01932.1/ora	5.84	0	0	2	MASCOT	T	
1.01E-01	0|0	orange1.1t01932.1/ora	5.84	0	0	2	MASCOT	T	
3.05E-01	0|0	orange1.1t01932.1/ora	5.84	0	0	2	MASCOT	T	
1.01E-01	0|0	orange1.1t01932.1/ora	5.84	0	0	2	MASCOT	T	
9.72E-02	0|0	orange1.1t01932.1/ora	5.84	0	0	2	MASCOT	T	
1.25E-01	0|0	orange1.1t01933.1/ora	4.53	0	0	2	MASCOT	T	PLEX8
5.87E-01	0|0	orange1.1t01933.1/ora	4.53	0	0	2	MASCOT	T	PLEX8
1.42E-01	0|0	orange1.1t01933.1/ora	4.53	0	0	2	MASCOT	T	PLEX8
1.12E-01	0|0	orange1.1t01933.1/ora	4.53	0	0	2	MASCOT	T	
1.67E-01	0|0	orange1.1t01932.1/ora	8.75	0	0	2	MASCOT	T	PLEX8
1.64E-02	0|0	orange1.1t01933.1	4.53	0	0	2	MASCOT	T	PLEX8
3.73E-02	0|0	orange1.1t01933.1	4.53	0	0	2	MASCOT	T	PLEX8
3.76E-01	0|0	orange1.1t01932.1/ora	8.75	0	0	2	MASCOT	T	PLEX8
4.99E-01	0|0	orange1.1t01932.1/ora	8.75	0	0	2	MASCOT	T	PLEX8
9.93E-03	0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8
6.77E-02	0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8
5.58E-04	0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8
7.81E-03	0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8
7.76E-04	0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8
1.93E-03	0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8
1.23E-02	0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8
2.99E-05	0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8

3.68E-05	0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8	
2.44E-02	0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8	
4.53E-05	0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8	
1.01E-04	0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8	
5.19E-04	0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8	
5.40E-03	0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8	
1.14E-04	0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8	
5.46E-02	0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8	
3.15E-01	0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8	
2.90E-04	0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8	
3.37E-04	0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8	
1.64E-03	0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8	
1.52E-02	0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8	
3.49E-02	0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8	
5.11E-01	0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T		
5.48E-01	0|0	orange1.1t01932.1/ora	8.26	0	0	2	MASCOT	T	PLEX8	
2.21E-01	0|0	orange1.1t01932.1/ora	8.26	0	0	2	MASCOT	T	PLEX8	
1.92E-02	0|0	orange1.1t01932.1/ora	8.26	0	0	2	MASCOT	T	PLEX8	
5.13E-02	0|0	orange1.1t01932.1/ora	8.26	0	0	2	MASCOT	T	PLEX8	
3.43E-02	0|0	orange1.1t01932.1/ora	8.26	0	0	2	MASCOT	T	PLEX8	
3.78E-01	0|0	orange1.1t01932.1/ora	8.26	0	0	2	MASCOT	T	PLEX8	
1.22E-01	0|0	orange1.1t01932.1/ora	8.26	0	0	2	MASCOT	T	PLEX8	
2.87E-02	0|0	orange1.1t01932.1/ora	8.26	0	0	2	MASCOT	T	PLEX8	
8.28E-03	0|0	orange1.1t01932.1/ora	8.26	0	0	2	MASCOT	T	PLEX8	
1.96E-01	0|0	orange1.1t01932.1/ora	8.26	0	0	2	MASCOT	T	PLEX8	
2.68E-03	0|0	orange1.1t01933.1/ora	4.32	1	0	2	MASCOT	T	PLEX8	
7.51E-03	0|0	orange1.1t01933.1/ora	4.32	1	0	2	MASCOT	T	PLEX8	
1.03E-02	0|0	orange1.1t01933.1/ora	4.32	1	0	2	MASCOT	T		
4.19E-03	0|0	orange1.1t03773.1	4.53	0	0	2	MASCOT	T	PLEX8	
8.19E-04	0|0	orange1.1t03773.1	4.53	0	0	2	MASCOT	T	PLEX8	
2.16E-03	0|0	orange1.1t03773.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.36E-01	0|0	orange1.1t03773.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.12E-02	0|0	orange1.1t03773.1	4.53	0	0	2	MASCOT	T	PLEX8	
7.88E-03	0|0	orange1.1t03773.1	4.53	0	0	2	MASCOT	T	PLEX8	
9.50E-04	0|0	orange1.1t03773.1	4.53	0	0	2	MASCOT	T	PLEX8	
3.32E-02	0|0	orange1.1t03773.1	4.53	0	0	2	MASCOT	T	PLEX8	
3.83E-03	0|0	orange1.1t03773.1	4.53	0	0	2	MASCOT	T	PLEX8	
3.54E-03	0|0	orange1.1t03773.1	4.53	0	0	2	MASCOT	T	PLEX8	
6.20E-03	0|0	orange1.1t03773.1	4.53	0	0	2	MASCOT	T		
3.27E-02	0|0	orange1.1t03773.1	8.8	0	0	2	MASCOT	T		
5.50E-02	0|0	orange1.1t03773.1	8.8	0	0	2	MASCOT	T		
5.27E-03	0|0	orange1.1t03773.1	6.11	0	0	2	MASCOT	T		
2.62E-01	0|0	orange1.1t03769.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
7.74E-02	0|0	orange1.1t03773.1/ora	6.85	0	0	2	MASCOT	T	PLEX8	
6.54E-02	0|0	orange1.1t03773.1/ora	6.85	0	0	2	MASCOT	T		
7.77E-03	0|0	orange1.1t03773.1	4.25	0	15.9	0	2	MASCOT	T	PLEX8
2.53E-01	0|0	orange1.1t03773.1/ora	3.92	0	15.9	0	2	MASCOT	T	PLEX8
4.96E-02	0|0	orange1.1t03773.1	4.37	0	0	2	MASCOT	T	PLEX8	
2.73E-01	0|0	orange1.1t03773.1	4.37	0	0	2	MASCOT	T	PLEX8	
2.44E-01	0|0	orange1.1t03773.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.19E-01	0|0	orange1.1t03773.1	4.37	0	0	2	MASCOT	T	PLEX8	

3.73E-01	0|0	orange1.1t03773.1	4.37	0	0	2	MASCOT	T	PLEX8
2.12E-01	0|0	orange1.1t03773.1	4.37	0	0	2	MASCOT	T	
6.28E-03	0|0	orange1.1t03773.1	4.37	0	0	2	MASCOT	T	PLEX8
3.62E-02	0|0	orange1.1t03773.1	4.37	0	0	2	MASCOT	T	PLEX8
5.51E-02	0|0	orange1.1t03773.1	4.37	0	0	2	MASCOT	T	PLEX8
3.51E-01	0|0	orange1.1t03773.1	4.37	0	0	2	MASCOT	T	PLEX8
2.42E-04	0|0	orange1.1t03769.1/ora	5.52	0	0	2	MASCOT	T	PLEX8
1.29E-03	0|0	orange1.1t03769.1/ora	5.52	0	0	2	MASCOT	T	PLEX8
1.70E-01	0|0	orange1.1t03773.1	4.09	0	0	2	MASCOT	T	PLEX8
1.93E-02	0|0	orange1.1t03773.1	4.09	0	0	2	MASCOT	T	
3.09E-02	0|0	orange1.1t03773.1	4.09	0	0	2	MASCOT	T	
5.59E-02	0|0	orange1.1t03773.1	4.09	0	0	2	MASCOT	T	
3.15E-02	0|0	orange1.1t03773.1	4.09	0	0	2	MASCOT	T	
1.04E-01	0|0	orange1.1t03773.1	4.09	0	0	2	MASCOT	T	
5.66E-02	0|0	orange1.1t03773.1	4.09	0	0	2	MASCOT	T	
5.44E-02	0|0	orange1.1t03773.1	8.46	0	0	2	MASCOT	T	PLEX8
7.48E-03	0|0	orange1.1t03773.1	5.86	0	0	2	MASCOT	T	PLEX8
3.82E-01	0|0	orange1.1t03773.1	8.47	0	0	2	MASCOT	T	PLEX8
3.74E-07	0|0	orange1.1t03773.1/ora	4	0	0	2	MASCOT	T	
1.00E-04	0|0	orange1.1t03773.1/ora	4	0	0	2	MASCOT	T	
6.71E-07	0|0	orange1.1t03773.1/ora	4	0	0	2	MASCOT	T	
5.55E-06	0|0	orange1.1t03773.1/ora	4	0	0	2	MASCOT	T	
2.95E-02	0|0	orange1.1t03773.1/ora	4	0	0	2	MASCOT	T	
8.81E-02	0|0	orange1.1t03773.1	4.37	0	0	2	MASCOT	T	PLEX8
1.87E-01	0|0	orange1.1t03773.1	4.37	0	0	2	MASCOT	T	PLEX8
7.99E-02	0|0	orange1.1t03773.1	4.37	0	0	2	MASCOT	T	PLEX8
8.79E-03	0|0	orange1.1t03773.1	4.37	0	0	2	MASCOT	T	PLEX8
3.49E-02	0|0	orange1.1t03773.1	4.37	0	0	2	MASCOT	T	PLEX8
5.14E-01	0|0	orange1.1t03773.1	4.37	0	0	2	MASCOT	T	PLEX8
2.83E-01	0|0	orange1.1t03773.1	4.37	0	0	2	MASCOT	T	PLEX8
3.18E-01	0|0	orange1.1t03773.1	4.37	0	0	2	MASCOT	T	PLEX8
6.83E-02	0|0	orange1.1t03773.1	4.37	0	0	2	MASCOT	T	PLEX8
2.30E-02	0|0	orange1.1t03773.1	4.37	0	0	2	MASCOT	T	PLEX8
6.96E-02	0|0	orange1.1t03773.1	4.37	0	0	2	MASCOT	T	PLEX8
2.63E-01	0|0	orange1.1t03773.1	4.37	0	0	2	MASCOT	T	PLEX8
1.20E-02	0|0	orange1.1t03773.1	4.37	0	0	2	MASCOT	T	PLEX8
4.18E-01	0|0	orange1.1t03773.1	4.37	0	0	2	MASCOT	T	
1.39E-02	0|0	orange1.1t03773.1	4.37	0	0	2	MASCOT	T	PLEX8
9.94E-03	0|0	orange1.1t03773.1	4.37	0	0	2	MASCOT	T	PLEX8
3.37E-02	0|0	orange1.1t03773.1	4.37	0	0	2	MASCOT	T	PLEX8
2.92E-02	0|0	orange1.1t03773.1	4.37	0	0	2	MASCOT	T	PLEX8
1.13E-01	0|0	orange1.1t03773.1	4.37	0	0	2	MASCOT	T	PLEX8
2.67E-01	0|0	orange1.1t03773.1	4.37	0	0	2	MASCOT	T	PLEX8
2.82E-02	0|0	orange1.1t03773.1	4.37	0	0	2	MASCOT	T	PLEX8
1.49E-02	0|0	orange1.1t03773.1	4.37	0	0	2	MASCOT	T	PLEX8
2.13E-01	0|0	orange1.1t03773.1	4.37	0	0	2	MASCOT	T	
1.88E-01	0|0	orange1.1t03773.1	4.53	0	0	2	MASCOT	T	PLEX8
1.12E-01	0|0	orange1.1t03773.1	4.37	0	0	2	MASCOT	T	PLEX8
2.79E-04	0|0	orange1.1t03773.1	4.37	0	0	2	MASCOT	T	PLEX8
1.36E-01	0|0	orange1.1t03773.1	4.37	0	0	2	MASCOT	T	PLEX8
3.14E-02	0|0	orange1.1t03773.1	4.37	0	0	2	MASCOT	T	PLEX8

1.12E-01	0|0	orange1.1t03773.1	4.37	0	0	2	MASCOT	T	PLEX8	
4.99E-03	0|0	orange1.1t03773.1	4.37	0	0	2	MASCOT	T		
1.88E-02	0|0	orange1.1t03773.1/ora	4.41	1	0	2	MASCOT	T	PLEX8	
5.37E-02	0|0	orange1.1t03773.1 ! or	9.76	0	15.9	0	2	MASCOT	T	PLEX8
2.48E-01	0|0	orange1.1t03773.1 ! or	9.76	0	0	2	MASCOT	T	PLEX8	
8.54E-03	0|0	orange1.1t03773.1 ! or	9.76	0	0	2	MASCOT	T	PLEX8	
9.37E-02	0|0	orange1.1t03773.1	5.83	0	0	2	MASCOT	T	PLEX8	
2.24E-03	0|0	orange1.1t03773.1	5.83	0	0	2	MASCOT	T	PLEX8	
2.97E-01	0|0	orange1.1t03773.1	6	0	0	2	MASCOT	T		
3.58E-02	0|0	orange1.1t03773.1	3.93	0	0	2	MASCOT	T	PLEX8	
1.18E-03	0|0	orange1.1t03773.1	3.93	0	0	2	MASCOT	T	PLEX8	
9.11E-02	0|0	orange1.1t03773.1	3.93	0	0	2	MASCOT	T		
5.83E-03	0|0	orange1.1t03773.1	3.93	0	0	2	MASCOT	T	PLEX8	
2.01E-01	0|0	orange1.1t03773.1	5.81	0	0	2	MASCOT	T	PLEX8	
7.69E-03	0|0	orange1.1t03773.1	6.41	0	0	2	MASCOT	T	PLEX8	
3.20E-03	0|0	orange1.1t03773.1	6.41	0	0	2	MASCOT	T	PLEX8	
9.42E-04	0|0	orange1.1t03773.1	6.41	0	0	2	MASCOT	T	PLEX8	
2.48E-03	0|0	orange1.1t03773.1	6.41	0	0	2	MASCOT	T	PLEX8	
7.87E-02	0|0	orange1.1t03773.1	4.37	0	0	2	MASCOT	T	PLEX8	
5.10E-03	0|0	orange1.1t03773.1	4.37	0	0	2	MASCOT	T	PLEX8	
4.98E-03	0|0	orange1.1t03773.1	4.37	0	0	2	MASCOT	T	PLEX8	
2.53E-02	0|0	orange1.1t03773.1	6.41	0	0	2	MASCOT	T	PLEX8	
2.60E-01	0|0	orange1.1t03773.1	6.41	0	0	2	MASCOT	T	PLEX8	
8.65E-04	0|0	orange1.1t03773.1 ! or	6	0	15.9	0	2	MASCOT	T	PLEX8
5.84E-02	0|0	Cs9g03300.1/Cs9g033	6.05	0	0	2	MASCOT	T	PLEX8	
1.45E-01	0|0	Cs9g03300.1/Cs9g033	6.05	0	0	2	MASCOT	T	PLEX8	
2.74E-01	0|0	Cs9g03300.1/Cs9g033	6.05	0	0	2	MASCOT	T	PLEX8	
1.05E-01	0|0	Cs9g03300.1/Cs9g033	6.05	0	0	2	MASCOT	T	PLEX8	
9.24E-02	0|0	Cs9g03300.1/Cs9g033	6.05	0	0	2	MASCOT	T	PLEX8	
8.70E-02	0|0	Cs9g03300.1/Cs9g033	6.05	0	0	2	MASCOT	T	PLEX8	
1.23E-01	0|0	Cs9g03300.1/Cs9g033	6.05	0	0	2	MASCOT	T	PLEX8	
8.21E-03	0|0	Cs9g03300.1/Cs9g033	6.05	0	0	2	MASCOT	T	PLEX8	
1.72E-01	0|0	Cs9g03300.1/Cs9g033	6.05	0	0	2	MASCOT	T	PLEX8	
4.17E-01	0|0	Cs9g03300.1/Cs9g033	6.05	0	0	2	MASCOT	T	PLEX8	
1.78E-01	0|0	Cs9g03300.1/Cs9g033	6.05	0	0	2	MASCOT	T		
8.25E-02	0|0	Cs9g03300.1/Cs9g033	6.05	0	0	2	MASCOT	T		
2.72E-01	0|0	Cs9g03300.1/Cs9g033	6.74	0	0	2	MASCOT	T	PLEX8	
2.02E-01	0|0	Cs9g03300.1/Cs9g033	6.74	0	0	2	MASCOT	T		
2.09E-01	0|0	Cs9g03300.1/Cs9g033	6.74	0	0	2	MASCOT	T		
5.81E-03	0|0	Cs9g03300.1/Cs9g033	3.93	0	0	2	MASCOT	T	PLEX8	
1.36E-02	0|0	Cs9g03300.1/Cs9g033	3.93	0	0	2	MASCOT	T	PLEX8	
3.15E-03	0|0	Cs9g03300.1/Cs9g033	3.83	0	0	2	MASCOT	T	PLEX8	
2.74E-02	0|0	Cs9g03300.1/Cs9g033	3.83	0	0	2	MASCOT	T	PLEX8	
8.75E-03	0|0	Cs9g03300.1/Cs9g033	3.83	0	0	2	MASCOT	T	PLEX8	
2.42E-04	0|0	Cs9g03300.1/Cs9g033	3.83	0	0	2	MASCOT	T	PLEX8	
4.11E-02	0|0	Cs9g03300.1/Cs9g033	3.83	0	0	2	MASCOT	T	PLEX8	
1.25E-01	0|0	Cs9g03300.1/Cs9g033	3.83	0	0	2	MASCOT	T	PLEX8	
2.19E-02	0|0	Cs9g03300.1/Cs9g033	3.83	0	0	2	MASCOT	T	PLEX8	
4.40E-02	0|0	Cs9g03300.1/Cs9g033	3.83	0	0	2	MASCOT	T		
1.19E-01	0|0	Cs9g03300.1/Cs9g033	3.91	0	0	2	MASCOT	T	PLEX8	
7.63E-03	0|0	Cs9g03300.1/Cs9g033	3.91	0	0	2	MASCOT	T		

7.70E-03	0|0	Cs9g03300.1/Cs9g033	3.91	0	0	2	MASCOT	T	PLEX8
2.22E-02	0|0	Cs9g03300.1/Cs9g033	3.91	0	0	2	MASCOT	T	
8.27E-03	0|0	Cs9g03300.1/Cs9g033	3.91	0	0	2	MASCOT	T	
2.41E-01	0|0	Cs9g03300.1/Cs9g033	3.91	0	0	2	MASCOT	T	PLEX8
1.65E-04	0|0	Cs9g03300.1/Cs9g033	3.91	0	0	2	MASCOT	T	PLEX8
2.46E-04	0|0	Cs9g03300.1/Cs9g033	3.91	0	0	2	MASCOT	T	PLEX8
6.82E-02	0|0	Cs9g03300.1/Cs9g033	6.1	0	0	2	MASCOT	T	PLEX8
1.18E-01	0|0	Cs9g03300.1/Cs9g033	6.1	0	0	2	MASCOT	T	PLEX8
1.00E-01	0|0	Cs9g03300.1/Cs9g033	6.1	0	0	2	MASCOT	T	PLEX8
2.09E-02	0|0	Cs9g03300.1/Cs9g033	6.1	0	0	2	MASCOT	T	PLEX8
4.59E-01	0|0	Cs9g03300.1/Cs9g033	6.1	0	0	2	MASCOT	T	PLEX8
5.88E-02	0|0	Cs9g03300.1/Cs9g033	6.1	0	0	2	MASCOT	T	PLEX8
1.29E-01	0|0	Cs9g03300.1/Cs9g033	6.1	0	0	2	MASCOT	T	PLEX8
5.71E-02	0|0	Cs9g03300.1/Cs9g033	6.1	0	0	2	MASCOT	T	PLEX8
4.17E-02	0|0	Cs9g03300.1/Cs9g033	6.1	0	0	2	MASCOT	T	PLEX8
4.77E-01	0|0	Cs9g03300.1/Cs9g033	6.1	0	0	2	MASCOT	T	
5.83E-01	0|0	Cs9g03300.1/Cs9g033	4.53	0	0	2	MASCOT	T	PLEX8
3.20E-01	0|0	Cs9g03300.1/Cs9g033	4.53	0	0	2	MASCOT	T	PLEX8
1.78E-01	0|0	Cs9g03300.1/Cs9g033	4.53	0	0	2	MASCOT	T	PLEX8
2.73E-01	0|0	Cs9g03300.1/Cs9g033	4.53	0	0	2	MASCOT	T	PLEX8
2.50E-02	0|0	Cs9g03300.1/Cs9g033	4.53	0	0	2	MASCOT	T	PLEX8
3.53E-02	0|0	Cs9g03300.1/Cs9g033	4.53	0	0	2	MASCOT	T	PLEX8
9.04E-03	0|0	Cs9g03300.1/Cs9g033	4.53	0	0	2	MASCOT	T	PLEX8
1.91E-01	0|0	Cs9g03300.1/Cs9g033	4.53	0	0	2	MASCOT	T	PLEX8
6.05E-02	0|0	Cs9g03300.1/Cs9g033	4.53	0	0	2	MASCOT	T	PLEX8
3.23E-02	0|0	Cs9g03300.1/Cs9g033	4.53	0	0	2	MASCOT	T	PLEX8
1.04E-01	0|0	Cs9g03300.1/Cs9g033	4.53	0	0	2	MASCOT	T	PLEX8
1.31E-01	0|0	Cs9g03300.1/Cs9g033	4.53	0	0	2	MASCOT	T	
2.19E-02	0|0	Cs9g03300.1/Cs9g033	4.53	0	0	2	MASCOT	T	
8.71E-02	0|0	Cs9g03300.1/Cs9g033	5.84	0	0	2	MASCOT	T	PLEX8
2.50E-02	0|0	Cs9g03300.1/Cs9g033	5.84	0	0	2	MASCOT	T	PLEX8
2.08E-01	0|0	Cs9g03300.1/Cs9g033	5.84	0	0	2	MASCOT	T	PLEX8
1.64E-04	0|0	Cs9g03300.1/Cs9g033	5.84	0	0	2	MASCOT	T	PLEX8
1.20E-03	0|0	Cs9g03300.1/Cs9g033	5.84	0	0	2	MASCOT	T	PLEX8
2.89E-01	0|0	Cs9g03300.1/Cs9g033	5.84	0	0	2	MASCOT	T	PLEX8
1.28E-03	0|0	Cs9g03300.1/Cs9g033	5.84	0	0	2	MASCOT	T	PLEX8
1.88E-02	0|0	Cs9g03300.1/Cs9g033	5.84	0	0	2	MASCOT	T	PLEX8
9.53E-04	0|0	Cs9g03300.1/Cs9g033	5.84	0	0	2	MASCOT	T	PLEX8
2.28E-02	0|0	Cs9g03300.1/Cs9g033	5.84	0	0	2	MASCOT	T	PLEX8
2.12E-03	0|0	Cs9g03300.1/Cs9g033	5.84	0	0	2	MASCOT	T	PLEX8
3.18E-03	0|0	Cs9g03300.1/Cs9g033	5.84	0	0	2	MASCOT	T	PLEX8
2.95E-03	0|0	Cs9g03300.1/Cs9g033	5.84	0	0	2	MASCOT	T	PLEX8
4.02E-04	0|0	Cs9g03300.1/Cs9g033	5.84	0	0	2	MASCOT	T	PLEX8
5.49E-01	0|0	Cs9g03300.1/Cs9g033	5.84	0	0	2	MASCOT	T	PLEX8
1.74E-03	0|0	Cs9g03300.1/Cs9g033	5.84	0	0	2	MASCOT	T	PLEX8
3.32E-02	0|0	Cs9g03300.1/Cs9g033	5.84	0	0	2	MASCOT	T	PLEX8
9.21E-04	0|0	Cs9g03300.1/Cs9g033	5.84	0	0	2	MASCOT	T	PLEX8
3.23E-02	0|0	Cs9g03300.1/Cs9g033	5.84	0	0	2	MASCOT	T	PLEX8
1.35E-01	0|0	Cs9g03300.1/Cs9g033	5.84	0	0	2	MASCOT	T	
1.00E-01	0|0	Cs9g03300.1/Cs9g033	5.84	0	0	2	MASCOT	T	
1.65E-05	0|0	Cs9g03300.1/Cs9g033	5.84	0	0	2	MASCOT	T	PLEX8

2.38E-04 0|0	Cs9g03300.1/Cs9g033	5.84	0	0	2 MASCOT	T	PLEX8
1.91E-04 0|0	Cs9g03300.1/Cs9g033	5.84	0	0	2 MASCOT	T	PLEX8
6.22E-04 0|0	Cs9g03300.1/Cs9g033	5.84	0	0	2 MASCOT	T	PLEX8
2.71E-03 0|0	Cs9g03300.1/Cs9g033	5.84	0	0	2 MASCOT	T	
4.31E-03 0|0	Cs9g03300.1/Cs9g033	5.84	0	0	2 MASCOT	T	PLEX8
2.22E-03 0|0	Cs9g03300.1/Cs9g033	5.84	0	0	2 MASCOT	T	PLEX8
4.18E-02 0|0	Cs9g03300.1/Cs9g033	5.84	0	0	2 MASCOT	T	
1.18E-02 0|0	Cs9g03300.1/Cs9g033	5.84	0	0	2 MASCOT	T	
3.03E-01 0|0	Cs9g03300.1/Cs9g033	8.75	0	0	2 MASCOT	T	PLEX8
6.65E-03 0|0	Cs9g03300.1/Cs9g033	6.07	1	0	2 MASCOT	T	PLEX8
1.34E-01 0|0	Cs9g03300.1/Cs9g033	4.53	0	0	2 MASCOT	T	
2.69E-02 0|0	Cs9g03300.1/Cs9g033	4.53	0 15.9	0	2 MASCOT	T	PLEX8
2.40E-02 0|0	Cs9g03300.1/Cs9g033	4.53	0 15.9	0	2 MASCOT	T	PLEX8
2.99E-02 0|0	Cs9g03300.1/Cs9g033	4.53	0 15.9	0	2 MASCOT	T	PLEX8
2.31E-02 0|0	Cs9g03300.1/Cs9g033	4.53	0 15.9	0	2 MASCOT	T	PLEX8
4.85E-02 0|0	Cs9g03300.1/Cs9g033	4.53	0 15.9	0	2 MASCOT	T	PLEX8
2.35E-02 0|0	Cs9g03300.1/Cs9g033	4.53	0 15.9	0	2 MASCOT	T	PLEX8
7.47E-04 0|0	Cs9g03300.1/Cs9g033	4.53	0 15.9	0	2 MASCOT	T	
1.27E-03 0|0	Cs9g03300.1/Cs9g033	4.53	0	0	2 MASCOT	T	PLEX8
6.59E-03 0|0	Cs9g03300.1/Cs9g033	4.53	0	0	2 MASCOT	T	PLEX8
3.62E-03 0|0	Cs9g03300.1/Cs9g033	4.53	0	0	2 MASCOT	T	PLEX8
1.30E-03 0|0	Cs9g03300.1/Cs9g033	4.53	0	0	2 MASCOT	T	PLEX8
9.69E-04 0|0	Cs9g03300.1/Cs9g033	4.53	0	0	2 MASCOT	T	
1.84E-03 0|0	Cs9g03300.1/Cs9g033	4.53	0	0	2 MASCOT	T	PLEX8
2.13E-04 0|0	Cs9g03300.1/Cs9g033	4.53	0	0	2 MASCOT	T	PLEX8
8.16E-03 0|0	Cs9g03300.1/Cs9g033	4.53	0	0	2 MASCOT	T	PLEX8
5.95E-04 0|0	Cs9g03300.1/Cs9g033	4.53	0	0	2 MASCOT	T	
3.87E-03 0|0	Cs9g03300.1/Cs9g033	4.53	0	0	2 MASCOT	T	
1.48E-03 0|0	Cs9g03300.1/Cs9g033	6	0	0	2 MASCOT	T	PLEX8
1.27E-02 0|0	Cs9g03300.1/Cs9g033	6	0	0	2 MASCOT	T	PLEX8
1.18E-03 0|0	Cs9g03300.1/Cs9g033	6	0	0	2 MASCOT	T	PLEX8
4.65E-04 0|0	Cs9g03300.1/Cs9g033	6	0	0	2 MASCOT	T	PLEX8
1.97E-01 0|0	Cs9g03300.1/Cs9g033	5.81	0	0	2 MASCOT	T	PLEX8
1.01E-01 0|0	Cs9g03300.1/Cs9g033	5.81	0	0	2 MASCOT	T	PLEX8
3.22E-01 0|0	Cs9g03300.1/Cs9g033	5.81	0	0	2 MASCOT	T	PLEX8
2.39E-01 0|0	Cs9g03300.1/Cs9g033	5.81	0	0	2 MASCOT	T	PLEX8
5.41E-02 0|0	Cs9g03300.1	6.71	0	0	2 MASCOT	T	PLEX8
5.42E-02 0|0	Cs9g03300.1	6.71	0	0	2 MASCOT	T	PLEX8
2.41E-02 0|0	Cs9g03300.1	6.71	0	0	2 MASCOT	T	PLEX8
1.28E-01 0|0	Cs9g03300.1	6.71	0	0	2 MASCOT	T	PLEX8
5.95E-02 0|0	Cs9g03300.1	6.71	0	0	2 MASCOT	T	PLEX8
3.19E-01 0|0	Cs9g03300.1	6.71	0	0	2 MASCOT	T	PLEX8
2.17E-01 0|0	Cs9g03300.1	6.71	0	0	2 MASCOT	T	
1.44E-01 0|0	Cs9g03300.1	6.71	0	0	2 MASCOT	T	
1.15E-01 0|0	Cs9g03300.1/Cs9g033	9.72	0	0	2 MASCOT	T	PLEX8
4.86E-03 0|0	Cs9g03300.1/Cs9g033	9.72	0	0	2 MASCOT	T	PLEX8
3.05E-04 0|0	Cs9g03300.1/Cs9g033	9.72	0	0	2 MASCOT	T	
1.48E-02 0|0	Cs9g03300.1/Cs9g033	9.72	0	0	2 MASCOT	T	
1.26E-05 0|0	Cs9g03300.1/Cs9g033	9.72	0	0	2 MASCOT	T	
6.19E-02 0|0	Cs9g03300.1/Cs9g033	9.72	0	0	2 MASCOT	T	
5.04E-05 0|0	Cs9g03300.1/Cs9g033	9.72	0	0	2 MASCOT	T	

1.84E-01	0|0	Cs9g03300.1/Cs9g033	9.72	0	0	2	MASCOT	T	PLEX8
2.08E-01	0|0	Cs9g03300.1/Cs9g033	8.24	0	0	2	MASCOT	T	PLEX8
2.08E-01	0|0	Cs9g03300.1/Cs9g033	8.24	0	0	2	MASCOT	T	PLEX8
2.31E-01	0|0	Cs9g03300.1/Cs9g033	8.24	0	0	2	MASCOT	T	PLEX8
2.52E-01	0|0	Cs9g03300.1/Cs9g033	8.24	0	0	2	MASCOT	T	PLEX8
2.23E-01	0|0	Cs9g03300.1/Cs9g033	8.24	0	0	2	MASCOT	T	PLEX8
1.91E-01	0|0	Cs9g03300.1/Cs9g033	8.24	0	0	2	MASCOT	T	PLEX8
2.51E-01	0|0	Cs9g03300.1/Cs9g033	8.24	0	0	2	MASCOT	T	PLEX8
2.56E-01	0|0	Cs9g03300.1/Cs9g033	8.24	0	0	2	MASCOT	T	
1.65E-01	0|0	Cs9g03300.1/Cs9g033	8.24	0	0	2	MASCOT	T	
1.49E-01	0|0	Cs9g03300.1/Cs9g033	8.24	0	0	2	MASCOT	T	PLEX8
3.60E-01	0|0	Cs9g03300.1/Cs9g033	8.24	0	0	2	MASCOT	T	PLEX8
4.95E-02	0|0	Cs9g03300.1	6.73	0	0	2	MASCOT	T	PLEX8
7.72E-02	0|0	Cs9g03300.1	6.73	0	0	2	MASCOT	T	PLEX8
1.87E-03	0|0	Cs9g03300.1	6.73	0	0	2	MASCOT	T	PLEX8
1.20E-01	0|0	Cs9g03300.1	6.73	0	0	2	MASCOT	T	PLEX8
9.63E-02	0|0	Cs9g03300.1	6.73	0	0	2	MASCOT	T	PLEX8
6.52E-03	0|0	Cs9g03300.1/Cs9g033	4.03	0	0	2	MASCOT	T	PLEX8
6.20E-03	0|0	Cs9g03300.1/Cs9g033	4.03	0	0	2	MASCOT	T	PLEX8
6.08E-04	0|0	Cs9g03300.1/Cs9g033	4.03	0	0	2	MASCOT	T	PLEX8
3.19E-01	0|0	Cs9g03300.1/Cs9g033	4.03	0	0	2	MASCOT	T	PLEX8
9.07E-03	0|0	Cs9g03300.1/Cs9g033	4.03	0	0	2	MASCOT	T	
1.01E-02	0|0	Cs9g03300.1/Cs9g033	4.03	0	0	2	MASCOT	T	
6.68E-03	0|0	Cs9g03300.1/Cs9g033	4.03	0	0	2	MASCOT	T	
9.32E-03	0|0	Cs9g03300.1/Cs9g033	4.37	0	0	2	MASCOT	T	
8.87E-03	0|0	Cs9g03300.1/Cs9g033	4.37	0	0	2	MASCOT	T	PLEX8
1.13E-03	0|0	Cs9g03300.1/Cs9g033	4.37	0	0	2	MASCOT	T	PLEX8
5.56E-02	0|0	Cs9g03300.1/Cs9g033	4.37	0	0	2	MASCOT	T	PLEX8
2.33E-02	0|0	Cs9g03300.1/Cs9g033	4.37	0	0	2	MASCOT	T	PLEX8
1.42E-02	0|0	Cs9g03300.1/Cs9g033	4.37	0	0	2	MASCOT	T	PLEX8
1.75E-01	0|0	Cs9g03300.1/Cs9g033	4.37	0	0	2	MASCOT	T	PLEX8
1.62E-02	0|0	Cs9g03300.1/Cs9g033	4.37	0	0	2	MASCOT	T	PLEX8
8.54E-03	0|0	Cs9g03300.1/Cs9g033	4.37	0	0	2	MASCOT	T	PLEX8
6.91E-03	0|0	Cs9g03300.1/Cs9g033	4.37	0	0	2	MASCOT	T	
1.81E-02	0|0	Cs9g03300.1/Cs9g033	4.37	0	0	2	MASCOT	T	PLEX8
4.98E-03	0|0	Cs9g03300.1/Cs9g033	4.37	0	0	2	MASCOT	T	PLEX8
3.10E-03	0|0	Cs9g03300.1/Cs9g033	4.37	0	0	2	MASCOT	T	PLEX8
2.81E-02	0|0	Cs9g03300.1/Cs9g033	6.14	1	0	2	MASCOT	T	PLEX8
6.66E-02	0|0	Cs9g03300.1/Cs9g033	6.14	1	0	2	MASCOT	T	
9.95E-03	0|0	Cs9g03300.1/Cs9g033	6.14	1	0	2	MASCOT	T	PLEX8
4.71E-02	0|0	Cs9g03300.1/Cs9g033	5.96	1	0	2	MASCOT	T	PLEX8
3.17E-03	0|0	Cs9g03300.1/Cs9g033	5.96	1	0	2	MASCOT	T	
1.42E-01	0|0	Cs9g03300.1/Cs9g033	6	0	0	2	MASCOT	T	PLEX8
1.10E-01	0|0	Cs9g03300.1/Cs9g033	6	0	0	2	MASCOT	T	PLEX8
1.45E-01	0|0	Cs9g03300.1/Cs9g033	6	0	0	2	MASCOT	T	PLEX8
1.31E-01	0|0	Cs9g03300.1/Cs9g033	6	0	0	2	MASCOT	T	PLEX8
7.69E-02	0|0	Cs9g03300.1/Cs9g033	6	0	0	2	MASCOT	T	PLEX8
2.05E-01	0|0	Cs9g03300.1/Cs9g033	6	0	0	2	MASCOT	T	PLEX8
3.77E-01	0|0	Cs9g03300.1/Cs9g033	6	0	0	2	MASCOT	T	PLEX8
5.20E-02	0|0	Cs9g03300.1/Cs9g033	6	0	0	2	MASCOT	T	
2.97E-01	0|0	Cs9g03300.1/Cs9g033	6	0	0	2	MASCOT	T	

2.93E-03	0|0	Cs9g03300.1/Cs9g033	4	0	0	2	MASCOT	T	PLEX8
1.06E-02	0|0	Cs9g03300.1/Cs9g033	4	0	0	2	MASCOT	T	PLEX8
3.92E-02	0|0	Cs9g03300.1/Cs9g033	4	0	0	2	MASCOT	T	PLEX8
1.04E-02	0|0	Cs9g03300.1/Cs9g033	4	0	0	2	MASCOT	T	PLEX8
4.12E-05	0|0	Cs9g03300.1/Cs9g033	4	0	0	2	MASCOT	T	
1.70E-05	0|0	Cs9g03300.1/Cs9g033	4	0	0	2	MASCOT	T	
2.81E-04	0|0	Cs9g03300.1/Cs9g033	4	0	0	2	MASCOT	T	
1.73E-06	0|0	Cs9g03300.1/Cs9g033	4	0	0	2	MASCOT	T	
1.70E-01	0|0	Cs9g03300.1/Cs9g033	4	0	0	2	MASCOT	T	PLEX8
3.39E-02	0|0	Cs9g03300.1/Cs9g033	4	0	0	2	MASCOT	T	PLEX8
4.66E-04	0|0	Cs9g03300.1/Cs9g033	4	0	0	2	MASCOT	T	PLEX8
3.16E-03	0|0	Cs9g03300.1/Cs9g033	4.37	0	0	2	MASCOT	T	PLEX8
1.20E-01	0|0	Cs9g03300.1/Cs9g033	4.37	0	0	2	MASCOT	T	PLEX8
1.50E-01	0|0	Cs9g03300.1/Cs9g033	4.37	0	0	2	MASCOT	T	PLEX8
6.48E-02	0|0	Cs9g03300.1/Cs9g033	4.37	0	0	2	MASCOT	T	PLEX8
3.30E-02	0|0	Cs9g03300.1/Cs9g033	4.37	0	0	2	MASCOT	T	PLEX8
9.86E-03	0|0	Cs9g03300.1/Cs9g033	4.37	0	0	2	MASCOT	T	PLEX8
1.71E-03	0|0	Cs9g03300.1/Cs9g033	4.37	0	0	2	MASCOT	T	PLEX8
7.97E-03	0|0	Cs9g03300.1/Cs9g033	4.37	0	0	2	MASCOT	T	PLEX8
3.96E-02	0|0	Cs9g03300.1/Cs9g033	4.37	0	0	2	MASCOT	T	PLEX8
1.44E-01	0|0	Cs9g03300.1/Cs9g033	4.37	0	0	2	MASCOT	T	PLEX8
7.62E-02	0|0	Cs9g03300.1/Cs9g033	4.37	0	0	2	MASCOT	T	PLEX8
5.51E-02	0|0	Cs9g03300.1/Cs9g033	4.37	0	0	2	MASCOT	T	PLEX8
1.95E-03	0|0	Cs9g03300.1/Cs9g033	4.37	0	0	2	MASCOT	T	PLEX8
1.09E-02	0|0	Cs9g03300.1/Cs9g033	4.37	0	0	2	MASCOT	T	PLEX8
1.37E-03	0|0	Cs9g03300.1/Cs9g033	4.37	0	0	2	MASCOT	T	PLEX8
2.96E-01	0|0	Cs9g03300.1/Cs9g033	4.37	0	0	2	MASCOT	T	PLEX8
6.09E-03	0|0	Cs9g03300.1/Cs9g033	4.37	0	0	2	MASCOT	T	PLEX8
4.21E-02	0|0	Cs9g03300.1/Cs9g033	4.37	0	0	2	MASCOT	T	PLEX8
1.69E-01	0|0	Cs9g03300.1/Cs9g033	4.37	0	0	2	MASCOT	T	
1.13E-02	0|0	Cs9g03300.1/Cs9g033	4.37	0	0	2	MASCOT	T	
5.71E-02	0|0	Cs3g17430.1/Cs3g174	6.05	0	0	2	MASCOT	T	PLEX8
3.62E-04	0|0	Cs3g17430.1/Cs3g174	6.05	0	0	2	MASCOT	T	PLEX8
9.57E-05	0|0	Cs3g17430.1/Cs3g174	6.05	0	0	2	MASCOT	T	PLEX8
1.03E-03	0|0	Cs3g17430.1/Cs3g174	6.05	0	0	2	MASCOT	T	PLEX8
1.96E-01	0|0	Cs3g17430.1/Cs3g174	6.05	0	0	2	MASCOT	T	PLEX8
3.99E-03	0|0	Cs3g17430.1/Cs3g174	6.05	0	0	2	MASCOT	T	PLEX8
1.57E-03	0|0	Cs3g17430.1/Cs3g174	6.05	0	0	2	MASCOT	T	PLEX8
7.78E-03	0|0	Cs9g05470.1/Cs9g054	4.25	0	0	2	MASCOT	T	PLEX8
6.23E-03	0|0	Cs9g05470.1/Cs9g054	4.25	0	0	2	MASCOT	T	PLEX8
4.31E-01	0|0	Cs9g05470.1/Cs9g054	4.25	0	0	2	MASCOT	T	PLEX8
1.54E-01	0|0	Cs3g17430.1/Cs3g174	5.84	0	0	2	MASCOT	T	PLEX8
2.78E-01	0|0	Cs3g17430.1/Cs3g174	5.84	0	0	2	MASCOT	T	PLEX8
7.76E-02	0|0	Cs3g17430.1/Cs3g174	5.84	0	0	2	MASCOT	T	PLEX8
1.57E-01	0|0	Cs3g17430.1/Cs3g174	5.84	0	0	2	MASCOT	T	PLEX8
2.35E-01	0|0	Cs3g17430.1/Cs3g174	5.84	0	0	2	MASCOT	T	PLEX8
1.27E-01	0|0	Cs3g17430.1/Cs3g174	5.84	0	0	2	MASCOT	T	
3.35E-02	0|0	Cs3g17430.1/Cs3g174	4.37	0	0	2	MASCOT	T	PLEX8
3.23E-02	0|0	Cs3g17430.1/Cs3g174	4.37	0	0	2	MASCOT	T	PLEX8
4.13E-01	0|0	Cs3g17430.1/Cs3g174	4.37	0	0	2	MASCOT	T	PLEX8
6.31E-03	0|0	Cs3g17430.1/Cs3g174	4.37	0	0	2	MASCOT	T	PLEX8

9.13E-03	0|0	Cs3g17430.1/Cs3g174	4.37	0	0	2	MASCOT	T	PLEX8	
3.58E-02	0|0	Cs3g17430.1/Cs3g174	4.37	0	0	2	MASCOT	T		
1.83E-03	0|0	Cs3g17430.1/Cs3g174	4.37	0	0	2	MASCOT	T		
1.88E-02	0|0	Cs3g17430.1/Cs3g174	4.37	0	0	2	MASCOT	T		
1.46E-02	0|0	Cs3g17430.1/Cs3g174	4.37	0	0	2	MASCOT	T		
4.12E-03	0|0	Cs3g17430.1/Cs3g174	6.74	0	0	2	MASCOT	T	PLEX8	
1.69E-01	0|0	Cs3g17430.1/Cs3g174	6.74	0	0	2	MASCOT	T	PLEX8	
3.81E-02	0|0	Cs3g17430.1	6.74	0	15.9	0	2	MASCOT	T	PLEX8
5.06E-03	0|0	Cs3g17430.1	6.74	0	0	2	MASCOT	T	PLEX8	
6.15E-02	0|0	Cs3g17430.1/Cs3g174	8.75	0	0	2	MASCOT	T	PLEX8	
9.96E-02	0|0	Cs3g17430.1/Cs3g174	8.75	0	0	2	MASCOT	T	PLEX8	
8.79E-04	0|0	Cs3g17430.1/Cs3g174	8.59	1	0	2	MASCOT	T	PLEX8	
3.07E-05	0|0	Cs3g17430.1/Cs3g174	4.37	0	0	2	MASCOT	T		
8.94E-05	0|0	Cs3g17430.1/Cs3g174	4.37	0	0	2	MASCOT	T		
1.03E-02	0|0	Cs3g17430.1/Cs3g174	4.37	0	0	2	MASCOT	T		
2.23E-09	0|0	Cs3g17430.1	3.67	0	0	2	MASCOT	T	PLEX8	
5.18E-05	0|0	Cs3g17430.1	3.67	0	0	2	MASCOT	T	PLEX8	
2.19E-02	0|0	Cs3g17430.1	6.04	0	0	2	MASCOT	T	PLEX8	
6.60E-02	0|0	Cs3g17430.1	6.04	0	0	2	MASCOT	T	PLEX8	
2.77E-03	0|0	Cs3g17430.1	6.04	0	0	2	MASCOT	T	PLEX8	
5.77E-03	0|0	Cs3g17430.1	6.04	0	0	2	MASCOT	T	PLEX8	
1.01E-02	0|0	Cs3g17430.1	6.04	0	0	2	MASCOT	T	PLEX8	
6.03E-05	0|0	Cs3g17430.1/Cs3g174	6.79	0	0	2	MASCOT	T		
1.10E-02	0|0	Cs3g17430.1	4.65	0	15.9	0	2	MASCOT	T	PLEX8
1.35E-02	0|0	Cs3g17430.1	4.65	0	0	2	MASCOT	T	PLEX8	
5.58E-03	0|0	Cs3g17430.1	4.65	0	0	2	MASCOT	T	PLEX8	
4.02E-02	0|0	Cs3g17430.1	4.65	0	0	2	MASCOT	T	PLEX8	
2.50E-01	0|0	Cs3g17430.1/Cs3g174	4.53	0	0	2	MASCOT	T	PLEX8	
3.64E-02	0|0	Cs3g17430.1/Cs3g174	4.53	0	0	2	MASCOT	T	PLEX8	
1.29E-01	0|0	Cs3g17430.1/Cs3g174	4.53	0	0	2	MASCOT	T	PLEX8	
1.24E-01	0|0	Cs3g17430.1/Cs3g174	4.53	0	0	2	MASCOT	T	PLEX8	
4.01E-02	0|0	Cs3g17430.1/Cs3g174	4.53	0	0	2	MASCOT	T	PLEX8	
2.28E-01	0|0	Cs3g17430.1/Cs3g174	4.53	0	0	2	MASCOT	T	PLEX8	
1.49E-01	0|0	Cs3g17430.1/Cs3g174	4.53	0	0	2	MASCOT	T		
3.53E-02	0|0	Cs3g17430.1/Cs3g174	4.03	0	0	2	MASCOT	T	PLEX8	
1.16E-02	0|0	Cs3g17430.1/Cs3g174	4.03	0	0	2	MASCOT	T		
9.19E-07	0|0	Cs3g17430.1/Cs3g174	4.03	0	0	2	MASCOT	T		
2.89E-03	0|0	Cs3g17430.1/Cs3g174	4.03	0	0	2	MASCOT	T		
1.41E-06	0|0	Cs3g17430.1/Cs3g174	4.03	0	0	2	MASCOT	T		
2.33E-01	0|0	Cs3g17430.1/Cs3g174	8.75	0	0	2	MASCOT	T	PLEX8	
2.04E-01	0|0	Cs3g17430.1/Cs3g174	8.75	0	0	2	MASCOT	T	PLEX8	
4.00E-02	0|0	Cs3g17430.1/Cs3g174	6.07	1	0	2	MASCOT	T	PLEX8	
3.03E-01	0|0	Cs3g17430.1/Cs3g174	8.59	0	0	2	MASCOT	T	PLEX8	
1.35E-03	0|0	Cs3g17430.1/Cs3g174	8.52	0	15.9	0	2	MASCOT	T	PLEX8
7.15E-03	0|0	Cs3g17430.1/Cs3g174	8.52	0	0	2	MASCOT	T	PLEX8	
1.29E-04	0|0	Cs3g17430.1/Cs3g174	8.52	0	0	2	MASCOT	T	PLEX8	
1.20E-01	0|0	Cs3g17430.1/Cs3g174	6	0	0	2	MASCOT	T	PLEX8	
1.02E-01	0|0	Cs3g17430.1/Cs3g174	6	0	0	2	MASCOT	T	PLEX8	
8.71E-02	0|0	Cs3g17430.1/Cs3g174	6	0	0	2	MASCOT	T	PLEX8	
3.35E-01	0|0	Cs3g17430.1/Cs3g174	6	0	0	2	MASCOT	T	PLEX8	
2.43E-02	0|0	Cs3g17430.1/Cs3g174	5.55	0	0	2	MASCOT	T		

3.77E-02	0|0	Cs3g17430.1/Cs3g174	5.55	0	0	2	MASCOT	T	
1.06E-05	0|0	Cs3g17430.1/Cs3g174	5.72	0	0	2	MASCOT	T	
4.83E-04	0|0	Cs3g17430.1/Cs3g174	5.72	0	0	2	MASCOT	T	PLEX8
1.11E-04	0|0	Cs3g17430.1/Cs3g174	5.97	0	0	2	MASCOT	T	PLEX8
8.27E-04	0|0	Cs3g17430.1/Cs3g174	5.97	0	0	2	MASCOT	T	PLEX8
6.95E-05	0|0	Cs3g17430.1/Cs3g174	5.97	0	0	2	MASCOT	T	PLEX8
9.88E-05	0|0	Cs3g17430.1/Cs3g174	5.97	0	0	2	MASCOT	T	PLEX8
3.84E-03	0|0	Cs3g17430.1/Cs3g174	5.97	0	0	2	MASCOT	T	PLEX8
2.95E-02	0|0	Cs3g17430.1/Cs3g174	5.97	0	0	2	MASCOT	T	
4.20E-02	0|0	Cs3g17430.1/Cs3g174	5.97	0	0	2	MASCOT	T	PLEX8
1.90E-03	0|0	Cs3g17430.1/Cs3g174	5.97	0	0	2	MASCOT	T	PLEX8
7.63E-02	0|0	Cs3g17430.1/Cs3g174	5.97	0	0	2	MASCOT	T	
2.23E-03	0|0	Cs3g17430.1/Cs3g174	5.97	0	0	2	MASCOT	T	PLEX8
2.59E-03	0|0	Cs3g17430.1/Cs3g174	5.97	0	0	2	MASCOT	T	PLEX8
1.08E-01	0|0	Cs3g17430.1/Cs3g174	5.97	0	0	2	MASCOT	T	PLEX8
1.03E-03	0|0	Cs3g17430.1/Cs3g174	5.97	0	0	2	MASCOT	T	
5.25E-01	0|0	Cs3g17430.1/Cs3g174	5.97	0	0	2	MASCOT	T	
1.96E-01	0|0	Cs3g17430.1/Cs3g174	8.56	0	0	2	MASCOT	T	PLEX8
1.95E-04	0|0	Cs3g17430.1/Cs3g174	8.56	0	0	2	MASCOT	T	PLEX8
6.25E-04	0|0	Cs3g17430.1/Cs3g174	8.56	0	0	2	MASCOT	T	PLEX8
3.07E-04	0|0	Cs3g17430.1/Cs3g174	8.56	0	0	2	MASCOT	T	PLEX8
3.94E-04	0|0	Cs3g17430.1/Cs3g174	8.56	0	0	2	MASCOT	T	PLEX8
8.79E-02	0|0	Cs3g17430.1/Cs3g174	8.56	0	0	2	MASCOT	T	PLEX8
8.01E-03	0|0	Cs3g17430.1/Cs3g174	6.74	0	0	2	MASCOT	T	PLEX8
3.17E-02	0|0	Cs7g19800.1	5.88	0	0	2	MASCOT	T	PLEX8
1.77E-02	0|0	Cs7g19800.1	5.88	0	0	2	MASCOT	T	PLEX8
1.28E-01	0|0	Cs7g19800.1	5.88	0	0	2	MASCOT	T	PLEX8
2.15E-03	0|0	Cs7g19800.1	5.88	0	0	2	MASCOT	T	PLEX8
9.67E-02	0|0	Cs7g19800.1	5.88	0	0	2	MASCOT	T	PLEX8
3.39E-02	0|0	Cs7g19800.1	5.88	0	0	2	MASCOT	T	PLEX8
1.68E-02	0|0	Cs7g19800.1	5.88	0	0	2	MASCOT	T	PLEX8
4.01E-01	0|0	Cs7g19800.1	5.88	0	0	2	MASCOT	T	
1.45E-02	0|0	Cs7g19800.1	4.14	0	0	2	MASCOT	T	
8.41E-02	0|0	Cs7g19800.1	4.37	0	0	2	MASCOT	T	PLEX8
9.55E-03	0|0	Cs7g19800.1	4.37	0	0	2	MASCOT	T	PLEX8
2.72E-02	0|0	Cs7g19800.1	4.37	0	0	2	MASCOT	T	PLEX8
6.61E-04	0|0	Cs7g19800.1	4.37	0	0	2	MASCOT	T	PLEX8
5.82E-02	0|0	Cs7g19800.1	4.37	0	0	2	MASCOT	T	PLEX8
2.98E-02	0|0	Cs7g19800.1	5.84	0	0	2	MASCOT	T	
4.44E-02	0|0	Cs7g19800.1	4.53	0	0	2	MASCOT	T	PLEX8
2.58E-07	0|0	Cs7g19800.1	4.53	0	0	2	MASCOT	T	
3.47E-01	0|0	Cs7g19800.1	5.38	0	0	2	MASCOT	T	PLEX8
1.36E-01	0|0	Cs7g19800.1	4.53	0	0	2	MASCOT	T	PLEX8
1.00E-03	0|0	Cs7g19800.1	4.53	0	0	2	MASCOT	T	PLEX8
1.84E-02	0|0	Cs7g19800.1	5.99	0	0	2	MASCOT	T	PLEX8
1.17E-02	0|0	Cs7g19800.1	5.99	0	0	2	MASCOT	T	PLEX8
6.76E-06	0|0	Cs7g19800.1	4.79	1	0	2	MASCOT	T	PLEX8
7.23E-03	0|0	Cs7g19800.1	4.79	1	0	2	MASCOT	T	PLEX8
9.58E-03	0|0	Cs7g19800.1	4.53	0	0	2	MASCOT	T	PLEX8
1.17E-01	0|0	Cs7g19800.1	4.53	0	0	2	MASCOT	T	PLEX8
5.34E-02	0|0	Cs7g19800.1	4.53	0	0	2	MASCOT	T	

4.43E-01 0|0	Cs7g19800.1	8.47	0	0	2 MASCOT	T	PLEX8
4.16E-02 0|0	Cs7g19800.1	8.47	0	0	2 MASCOT	T	PLEX8
4.16E-03 0|0	Cs7g06240.1/Cs7g062	5.66	0	0	2 MASCOT	T	PLEX8
2.73E-01 0|0	Cs7g06240.1/Cs7g062	5.66	0	0	2 MASCOT	T	PLEX8
2.87E-02 0|0	Cs7g19800.1	4.53	0 15.9	0	2 MASCOT	T	PLEX8
3.45E-02 0|0	Cs7g19800.1	5.81	0 15.9	0	2 MASCOT	T	
3.14E-01 0|0	Cs7g19800.1	5.81	0 15.9	0	2 MASCOT	T	
9.79E-03 0|0	Cs7g19800.1	4.03	0	0	2 MASCOT	T	
3.55E-02 0|0	Cs7g19800.1	4.03	0	0	2 MASCOT	T	
1.36E-02 0|0	Cs7g19800.1	4.03	0	0	2 MASCOT	T	
2.33E-02 0|0	Cs7g19800.1	4.03	0	0	2 MASCOT	T	
6.31E-03 0|0	Cs7g19800.1	4.68	1	0	2 MASCOT	T	PLEX8
3.17E-02 0|0	Cs7g19800.1	5.4	0	0	2 MASCOT	T	PLEX8
9.14E-04 0|0	Cs7g19800.1	5.4	0	0	2 MASCOT	T	PLEX8
2.01E-03 0|0	Cs7g19800.1	5.4	0	0	2 MASCOT	T	PLEX8
3.29E-02 0|0	Cs7g19800.1	5.4	0	0	2 MASCOT	T	PLEX8
5.37E-04 0|0	Cs7g19800.1	5.4	0	0	2 MASCOT	T	PLEX8
1.14E-01 0|0	Cs7g19800.1	4.03	0	0	2 MASCOT	T	PLEX8
7.17E-02 0|0	Cs7g19800.1	4.03	0	0	2 MASCOT	T	PLEX8
1.34E-01 0|0	Cs7g19800.1	4.03	0	0	2 MASCOT	T	
3.88E-01 0|0	Cs7g19800.1	4.03	0	0	2 MASCOT	T	PLEX8
3.23E-03 0|0	Cs7g19800.1	4.03	0	0	2 MASCOT	T	
1.99E-02 0|0	Cs7g19800.1	4.03	0	0	2 MASCOT	T	
7.03E-03 0|0	Cs7g19800.1	3.84	0	0	2 MASCOT	T	PLEX8
1.23E-05 0|0	Cs7g19800.1	4.37	0	0	2 MASCOT	T	
9.74E-02 0|0	Cs7g19800.1	4.37	0	0	2 MASCOT	T	
1.68E-02 0|0	Cs7g19800.1	4.14	0	0	2 MASCOT	T	
1.59E-02 0|0	Cs7g19800.1	4.14	0 15.9	0	2 MASCOT	T	PLEX8
1.99E-02 0|0	Cs7g19800.1	4.53	0 15.9	0	2 MASCOT	T	PLEX8
4.76E-05 0|0	Cs7g19800.1	4.53	0 15.9	0	2 MASCOT	T	PLEX8
7.43E-07 0|0	Cs7g19800.1	4.53	0	0	2 MASCOT	T	PLEX8
1.30E-06 0|0	Cs7g19800.1	4.53	0	0	2 MASCOT	T	PLEX8
5.14E-01 0|0	Cs7g19800.1	4.68	0	0	2 MASCOT	T	PLEX8
4.72E-03 0|0	Cs7g19800.1	4.68	0	0	2 MASCOT	T	PLEX8
2.03E-02 0|0	Cs7g19800.1	4.37	0	0	2 MASCOT	T	PLEX8
5.38E-02 0|0	Cs7g19800.1	4.37	0	0	2 MASCOT	T	PLEX8
1.74E-01 0|0	Cs7g19800.1	4.37	0	0	2 MASCOT	T	PLEX8
2.38E-02 0|0	Cs7g19800.1	4.37	0	0	2 MASCOT	T	PLEX8
9.41E-02 0|0	Cs7g19800.1	4.37	0	0	2 MASCOT	T	PLEX8
6.57E-03 0|0	Cs7g19800.1	4.25	0	0	2 MASCOT	T	PLEX8
1.04E-04 0|0	Cs7g19800.1	4.25	0	0	2 MASCOT	T	
8.56E-03 0|0	Cs7g19800.1	4.25	0	0	2 MASCOT	T	
1.28E-03 0|0	Cs7g19800.1	4.37	0	0	2 MASCOT	T	
3.42E-03 0|0	Cs7g19800.1	4.37	0	0	2 MASCOT	T	
6.67E-04 0|0	Cs7g19800.1	4.37	0	0	2 MASCOT	T	
1.02E-01 0|0	Cs2g21420.1/Cs8g160	4.75	0	0	2 MASCOT	T	PLEX8
8.69E-06 0|0	Cs2g21420.1/Cs8g160	4.37	0	0	2 MASCOT	T	PLEX8
8.02E-04 0|0	Cs2g21420.1/Cs8g160	4.37	0	0	2 MASCOT	T	PLEX8
8.48E-05 0|0	Cs8g16040.1	4.21	0	0	2 MASCOT	T	
1.95E-02 0|0	Cs8g16040.1	4.21	0	0	2 MASCOT	T	
8.95E-03 0|0	Cs8g16040.1/Cs8g160	4.37	0	0	2 MASCOT	T	PLEX8

1.05E-01	0|0	Cs8g16040.1/Cs8g160	4.37	0	0	2	MASCOT	T	PLEX8
1.25E-01	0|0	Cs8g16040.1/Cs8g160	4.37	0	0	2	MASCOT	T	PLEX8
2.10E-02	0|0	Cs8g16040.1/Cs8g160	4.37	0	0	2	MASCOT	T	PLEX8
1.50E-02	0|0	Cs8g16040.1/Cs8g160	4.37	0	0	2	MASCOT	T	PLEX8
5.30E-02	0|0	Cs8g16040.1/Cs8g160	4.37	0	0	2	MASCOT	T	PLEX8
5.88E-02	0|0	Cs8g16040.1/Cs8g160	4.37	0	0	2	MASCOT	T	PLEX8
6.76E-02	0|0	Cs8g16040.1/Cs8g160	4.37	0	0	2	MASCOT	T	PLEX8
1.50E-02	0|0	Cs8g16040.1/Cs8g160	4.37	0	0	2	MASCOT	T	PLEX8
1.64E-01	0|0	Cs8g16040.1/Cs8g160	4.37	0	0	2	MASCOT	T	PLEX8
3.04E-02	0|0	Cs8g16040.1/Cs8g160	4.37	0	0	2	MASCOT	T	PLEX8
8.96E-03	0|0	Cs2g21420.1/Cs8g160	4.11	1	0	2	MASCOT	T	PLEX8
2.44E-02	0|0	Cs8g16040.1/Cs8g160	4.21	0	0	2	MASCOT	T	PLEX8
4.07E-02	0|0	Cs8g16040.1/Cs8g160	4.21	0	0	2	MASCOT	T	PLEX8
9.02E-03	0|0	Cs8g16040.1/Cs8g160	4.21	0	0	2	MASCOT	T	PLEX8
5.16E-04	0|0	Cs8g16040.1/Cs8g160	4.21	0	0	2	MASCOT	T	PLEX8
1.95E-02	0|0	Cs8g16040.1/Cs8g160	4.21	0	0	2	MASCOT	T	PLEX8
4.13E-01	0|0	Cs8g16040.1/Cs8g160	4.21	0	0	2	MASCOT	T	PLEX8
3.68E-01	0|0	Cs8g16040.1/Cs8g160	4.21	0	0	2	MASCOT	T	PLEX8
7.11E-02	0|0	Cs8g16040.1/Cs8g160	4.23	1	0	2	MASCOT	T	PLEX8
2.38E-01	0|0	Cs8g16040.1/Cs8g160	3.83	0	0	2	MASCOT	T	PLEX8
7.20E-02	0|0	Cs8g16040.1/Cs8g160	3.83	0	0	2	MASCOT	T	PLEX8
1.91E-02	0|0	Cs8g16040.1/Cs8g160	3.83	0	0	2	MASCOT	T	PLEX8
4.27E-03	0|0	Cs8g16040.1/Cs8g160	3.83	0	0	2	MASCOT	T	PLEX8
3.13E-04	0|0	Cs8g16040.1/Cs8g160	3.83	0	0	2	MASCOT	T	PLEX8
5.35E-02	0|0	Cs8g16040.1/Cs8g160	3.83	0	0	2	MASCOT	T	PLEX8
7.45E-03	0|0	Cs8g16040.1/Cs8g160	3.83	0	0	2	MASCOT	T	PLEX8
1.43E-04	0|0	Cs8g16040.1/Cs8g160	3.83	0	0	2	MASCOT	T	PLEX8
7.79E-05	0|0	Cs8g16040.1/Cs8g160	3.83	0	0	2	MASCOT	T	PLEX8
3.75E-04	0|0	Cs8g16040.1/Cs8g160	3.83	0	0	2	MASCOT	T	PLEX8
9.31E-03	0|0	Cs8g16040.1/Cs8g160	3.83	0	0	2	MASCOT	T	PLEX8
2.39E-02	0|0	Cs2g21420.1/Cs8g160	3.92	0	0	2	MASCOT	T	PLEX8
4.14E-05	0|0	Cs8g16040.1/Cs8g160	8.75	0	0	2	MASCOT	T	PLEX8
6.83E-04	0|0	Cs8g16040.1/Cs8g160	8.75	0	0	2	MASCOT	T	PLEX8
2.68E-03	0|0	Cs8g16040.1/Cs8g160	8.75	0	0	2	MASCOT	T	PLEX8
5.63E-05	0|0	Cs8g16040.1/Cs8g160	8.75	0	0	2	MASCOT	T	PLEX8
1.30E-01	0|0	Cs8g16040.1/Cs8g160	8.75	0	0	2	MASCOT	T	PLEX8
5.65E-02	0|0	Cs8g16040.1/Cs8g160	8.75	0	0	2	MASCOT	T	PLEX8
1.46E-02	0|0	Cs8g16040.1/Cs8g160	4.53	0	0	2	MASCOT	T	PLEX8
3.05E-02	0|0	Cs8g16040.1/Cs8g160	4.53	0	0	2	MASCOT	T	PLEX8
4.02E-02	0|0	Cs8g16040.1/Cs8g160	4.53	0	0	2	MASCOT	T	PLEX8
3.10E-01	0|0	Cs8g16040.1/Cs8g160	5.84	0	0	2	MASCOT	T	PLEX8
3.91E-06	0|0	Cs8g16040.1/Cs8g160	5.84	0	0	2	MASCOT	T	PLEX8
3.23E-02	0|0	Cs8g16040.1/Cs8g160	5.84	0	0	2	MASCOT	T	PLEX8
1.57E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
8.03E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
8.10E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
1.68E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
3.60E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
1.93E-01	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
2.43E-01	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
4.38E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8

1.87E-01	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8	
2.71E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8	
3.11E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8	
1.40E-01	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8	
2.99E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8	
1.17E-01	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8	
2.15E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8	
1.17E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8	
3.31E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8	
1.39E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8	
4.93E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8	
8.03E-03	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8	
8.57E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8	
2.69E-01	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8	
7.93E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8	
1.09E-01	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8	
8.37E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8	
4.27E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8	
1.12E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8	
2.33E-01	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8	
2.44E-01	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8	
2.80E-01	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8	
3.91E-01	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8	
1.33E-01	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T		
1.61E-01	0|0	Cs8g16040.1/Cs8g160	4.21	0	0	2	MASCOT	T	PLEX8	
1.85E-01	0|0	Cs8g16040.1/Cs8g160	4.75	0	0	2	MASCOT	T	PLEX8	
1.98E-01	0|0	Cs8g16040.1/Cs8g160	4.75	0	0	2	MASCOT	T		
9.08E-02	0|0	Cs8g16040.1/Cs8g160	4.75	0	0	2	MASCOT	T		
1.95E-03	0|0	Cs8g16040.1/Cs8g160	4.75	0	0	2	MASCOT	T	PLEX8	
1.87E-03	0|0	Cs8g16040.1/Cs8g160	4.75	0	0	2	MASCOT	T	PLEX8	
2.46E-01	0|0	Cs8g16040.1/Cs8g160	4.75	0	0	2	MASCOT	T	PLEX8	
3.91E-01	0|0	Cs8g16040.1/Cs8g160	4.75	0	0	2	MASCOT	T	PLEX8	
4.81E-02	0|0	Cs8g16040.1/Cs8g160	4.75	0	0	2	MASCOT	T	PLEX8	
2.95E-03	0|0	Cs8g16040.1/Cs8g160	4.75	0	0	2	MASCOT	T	PLEX8	
9.08E-03	0|0	Cs8g16040.1/Cs8g160	4.75	0	0	2	MASCOT	T	PLEX8	
1.64E-01	0|0	Cs8g16040.1/Cs8g160	4.75	0	0	2	MASCOT	T		
1.05E-01	0|0	Cs8g16040.1/Cs8g160	4	0	0	2	MASCOT	T	PLEX8	
5.70E-02	0|0	Cs8g16040.1/Cs8g160	4	0	0	2	MASCOT	T		
4.94E-02	0|0	Cs8g16040.1/Cs8g160	4	0	0	2	MASCOT	T		
8.16E-02	0|0	Cs8g16040.1/Cs8g160	4	0	0	2	MASCOT	T		
1.71E-01	0|0	Cs8g16040.1/Cs8g160	4	0	0	2	MASCOT	T		
7.52E-04	0|0	Cs8g16040.1/Cs8g160	4	0	0	2	MASCOT	T		
1.51E-03	0|0	Cs8g16040.1/Cs8g160	4	0	0	2	MASCOT	T		
3.49E-03	0|0	Cs8g16040.1/Cs8g160	4	0	0	2	MASCOT	T		
1.24E-01	0|0	Cs8g16040.1/Cs8g160	4	0	0	2	MASCOT	T		
5.41E-03	0|0	Cs8g16040.1/Cs8g160	4	0	0	2	MASCOT	T	PLEX8	
9.98E-02	0|0	Cs8g16040.1/Cs8g160	4.41	1	0	2	MASCOT	T	PLEX8	
2.24E-01	0|0	Cs8g16040.1/Cs8g160	5.81	0	0	2	MASCOT	T		
1.73E-01	0|0	Cs8g16040.1/Cs8g160	5.81	0	0	2	MASCOT	T		
4.98E-07	0|0	Cs8g16040.1/Cs8g160	5.81	0	0	2	MASCOT	T		
3.65E-02	0|0	Cs2g21420.1/Cs8g160	4.37	0	15.9	0	2	MASCOT	T	PLEX8

6.47E-04	0|0	Cs2g21420.1/Cs8g160	4.37	0	15.9	0	2	MASCOT	T	PLEX8
1.31E-02	0|0	Cs2g21420.1/Cs8g160	4.37	0	15.9	0	2	MASCOT	T	PLEX8
5.48E-05	0|0	Cs2g21420.1/Cs8g160	4.37	0		0	2	MASCOT	T	PLEX8
3.15E-06	0|0	Cs2g21420.1/Cs8g160	4.37	0		0	2	MASCOT	T	PLEX8
2.70E-04	0|0	Cs2g21420.1/Cs8g160	4.37	0		0	2	MASCOT	T	PLEX8
1.03E-01	0|0	Cs8g16040.1	5.88	0	15.9	0	2	MASCOT	T	PLEX8
2.10E-02	0|0	Cs8g16040.1	5.88	0	15.9	0	2	MASCOT	T	PLEX8
3.20E-02	0|0	Cs8g16040.1	5.88	0	15.9	0	2	MASCOT	T	PLEX8
2.64E-02	0|0	Cs8g16040.1	5.88	0	15.9	0	2	MASCOT	T	PLEX8
1.13E-01	0|0	Cs8g16040.1	5.88	0	15.9	0	2	MASCOT	T	
1.74E-01	0|0	Cs8g16040.1	5.88	0		0	2	MASCOT	T	PLEX8
1.53E-02	0|0	Cs8g16040.1	5.88	0		0	2	MASCOT	T	PLEX8
1.46E-02	0|0	Cs8g16040.1	5.88	0		0	2	MASCOT	T	PLEX8
2.81E-03	0|0	Cs8g16040.1	5.88	0		0	2	MASCOT	T	PLEX8
6.89E-02	0|0	Cs8g16040.1	5.88	0		0	2	MASCOT	T	PLEX8
7.04E-03	0|0	Cs8g16040.1	5.88	0		0	2	MASCOT	T	PLEX8
1.67E-02	0|0	Cs8g16040.1	5.88	0		0	2	MASCOT	T	PLEX8
3.02E-01	0|0	Cs8g16040.1	5.88	0		0	2	MASCOT	T	
1.83E-01	0|0	Cs8g16040.1	5.88	0		0	2	MASCOT	T	
2.25E-02	0|0	Cs8g16040.1/Cs8g160	4.14	0	15.9	0	2	MASCOT	T	
8.76E-02	0|0	Cs8g16040.1/Cs8g160	4.14	0		0	2	MASCOT	T	
3.44E-04	0|0	Cs8g16040.1/Cs8g160	4.14	0		0	2	MASCOT	T	
8.59E-04	0|0	Cs8g16040.1/Cs8g160	8.75	0		0	2	MASCOT	T	PLEX8
9.24E-04	0|0	Cs8g16040.1/Cs8g160	8.75	0		0	2	MASCOT	T	PLEX8
2.32E-03	0|0	Cs8g16040.1/Cs8g160	8.75	0		0	2	MASCOT	T	PLEX8
5.28E-02	0|0	Cs8g16040.1/Cs8g160	8.75	0		0	2	MASCOT	T	PLEX8
9.79E-04	0|0	Cs8g16040.1/Cs8g160	8.75	0		0	2	MASCOT	T	PLEX8
3.65E-04	0|0	Cs8g16040.1/Cs8g160	8.75	0		0	2	MASCOT	T	PLEX8
2.45E-02	0|0	Cs8g16040.1/Cs8g160	8.75	0		0	2	MASCOT	T	PLEX8
5.85E-03	0|0	Cs8g16040.1/Cs8g160	8.75	0		0	2	MASCOT	T	PLEX8
3.89E-04	0|0	Cs8g16040.1/Cs8g160	8.75	0		0	2	MASCOT	T	PLEX8
2.11E-03	0|0	Cs8g16040.1/Cs8g160	8.75	0		0	2	MASCOT	T	PLEX8
1.21E-04	0|0	Cs8g16040.1/Cs8g160	8.75	0		0	2	MASCOT	T	PLEX8
8.18E-04	0|0	Cs8g16040.1/Cs8g160	8.75	0		0	2	MASCOT	T	PLEX8
1.56E-03	0|0	Cs8g16040.1/Cs8g160	8.75	0		0	2	MASCOT	T	PLEX8
9.68E-03	0|0	Cs8g16040.1/Cs8g160	8.75	0		0	2	MASCOT	T	PLEX8
9.26E-04	0|0	Cs8g16040.1/Cs8g160	8.75	0		0	2	MASCOT	T	PLEX8
1.43E-04	0|0	Cs8g16040.1/Cs8g160	8.75	0		0	2	MASCOT	T	PLEX8
1.73E-01	0|0	Cs8g16040.1/Cs8g160	8.75	0		0	2	MASCOT	T	PLEX8
1.28E-03	0|0	Cs8g16040.1/Cs8g160	8.75	0		0	2	MASCOT	T	PLEX8
4.96E-03	0|0	Cs8g16040.1/Cs8g160	8.75	0		0	2	MASCOT	T	PLEX8
1.34E-02	0|0	Cs8g16040.1/Cs8g160	8.75	0		0	2	MASCOT	T	PLEX8
1.63E-03	0|0	Cs8g16040.1/Cs8g160	8.75	0		0	2	MASCOT	T	PLEX8
8.12E-04	0|0	Cs8g16040.1/Cs8g160	8.75	0		0	2	MASCOT	T	
1.27E-02	0|0	Cs8g16040.1/Cs8g160	8.75	0		0	2	MASCOT	T	
1.44E-03	0|0	Cs8g16040.1/Cs8g160	8.75	0		0	2	MASCOT	T	
7.39E-06	0|0	Cs8g16040.1/Cs8g160	6	0		0	2	MASCOT	T	PLEX8
3.95E-01	0|0	Cs8g16040.1/Cs8g160	6	0		0	2	MASCOT	T	PLEX8
1.61E-02	0|0	Cs8g16040.1/Cs8g160	6	0		0	2	MASCOT	T	PLEX8
1.87E-04	0|0	Cs8g16040.1/Cs8g160	6	0		0	2	MASCOT	T	PLEX8
9.54E-03	0|0	Cs8g16040.1/Cs8g160	6	0		0	2	MASCOT	T	

1.60E-02	0|0	Cs8g16040.1/Cs8g160	6	0	0	2	MASCOT	T	PLEX8	
6.79E-02	0|0	Cs8g16040.1/Cs8g160	6	0	0	2	MASCOT	T	PLEX8	
2.89E-03	0|0	Cs8g16040.1/Cs8g160	6	0	0	2	MASCOT	T	PLEX8	
3.51E-02	0|0	Cs8g16040.1/Cs8g160	6	0	0	2	MASCOT	T		
4.61E-04	0|0	Cs8g16040.1/Cs8g160	6	0	0	2	MASCOT	T	PLEX8	
1.89E-03	0|0	Cs8g16040.1/Cs8g160	6	0	0	2	MASCOT	T	PLEX8	
4.47E-02	0|0	Cs8g16040.1/Cs8g160	6	0	0	2	MASCOT	T		
7.37E-02	0|0	Cs8g16040.1/Cs8g160	6	0	0	2	MASCOT	T	PLEX8	
4.53E-02	0|0	Cs8g16040.1/Cs8g160	6	0	0	2	MASCOT	T	PLEX8	
2.79E-02	0|0	Cs8g16040.1/Cs8g160	6	0	0	2	MASCOT	T	PLEX8	
5.56E-03	0|0	Cs8g16040.1/Cs8g160	6	0	0	2	MASCOT	T	PLEX8	
8.52E-04	0|0	Cs8g16040.1/Cs8g160	6	0	0	2	MASCOT	T	PLEX8	
1.09E-02	0|0	Cs8g16040.1/Cs8g160	6	0	0	2	MASCOT	T	PLEX8	
8.86E-03	0|0	Cs2g21420.1/Cs8g160	5.84	0	0	2	MASCOT	T	PLEX8	
4.00E-02	0|0	Cs2g21420.1/Cs8g160	5.84	0	0	2	MASCOT	T	PLEX8	
5.43E-02	0|0	Cs2g21420.1/Cs8g160	5.84	0	0	2	MASCOT	T	PLEX8	
3.59E-02	0|0	Cs2g21420.1/Cs8g160	5.84	0	0	2	MASCOT	T	PLEX8	
1.14E-01	0|0	Cs2g21420.1/Cs8g160	5.84	0	0	2	MASCOT	T	PLEX8	
5.83E-02	0|0	Cs2g21420.1/Cs8g160	5.84	0	0	2	MASCOT	T	PLEX8	
3.29E-01	0|0	Cs8g16040.1/Cs8g160	4.37	0	0	2	MASCOT	T	PLEX8	
3.73E-03	0|0	Cs8g16040.1/Cs8g160	4.37	0	0	2	MASCOT	T	PLEX8	
4.70E-04	0|0	Cs8g16040.1/Cs8g160	4.37	0	0	2	MASCOT	T	PLEX8	
2.85E-04	0|0	Cs8g16040.1/Cs8g160	4.37	0	0	2	MASCOT	T	PLEX8	
3.17E-02	0|0	Cs8g16040.1/Cs8g160	4.37	0	0	2	MASCOT	T	PLEX8	
1.94E-03	0|0	Cs8g16040.1/Cs8g160	4.37	0	0	2	MASCOT	T	PLEX8	
6.01E-04	0|0	Cs8g16040.1/Cs8g160	4.37	0	0	2	MASCOT	T	PLEX8	
2.09E-03	0|0	Cs8g16040.1/Cs8g160	4.37	0	0	2	MASCOT	T	PLEX8	
1.69E-05	0|0	Cs8g16040.1/Cs8g160	4.37	0	0	2	MASCOT	T	PLEX8	
6.89E-03	0|0	Cs8g16040.1/Cs8g160	4.37	0	0	2	MASCOT	T	PLEX8	
1.25E-03	0|0	Cs8g16040.1/Cs8g160	4.37	0	0	2	MASCOT	T	PLEX8	
6.37E-05	0|0	Cs8g16040.1/Cs8g160	4.37	0	0	2	MASCOT	T	PLEX8	
1.90E-01	0|0	Cs8g16040.1/Cs8g160	4.37	0	0	2	MASCOT	T	PLEX8	
1.09E-02	0|0	Cs8g16040.1/Cs8g160	4.37	0	0	2	MASCOT	T	PLEX8	
7.18E-02	0|0	Cs8g16040.1/Cs8g160	4.37	0	0	2	MASCOT	T	PLEX8	
1.50E-02	0|0	Cs8g16040.1/Cs8g160	4.37	0	0	2	MASCOT	T	PLEX8	
3.09E-04	0|0	Cs8g16040.1/Cs8g160	4.37	0	0	2	MASCOT	T	PLEX8	
2.84E-03	0|0	Cs8g16040.1/Cs8g160	4.37	0	0	2	MASCOT	T	PLEX8	
1.36E-03	0|0	Cs8g16040.1/Cs8g160	4.37	0	0	2	MASCOT	T	PLEX8	
5.25E-03	0|0	Cs8g16040.1/Cs8g160	4.37	0	0	2	MASCOT	T	PLEX8	
4.64E-01	0|0	Cs8g16040.1/Cs8g160	4.37	0	0	2	MASCOT	T	PLEX8	
1.49E-01	0|0	Cs8g16040.1/Cs8g160	4.37	0	0	2	MASCOT	T	PLEX8	
6.35E-02	0|0	Cs8g16040.1/Cs8g160	4.37	0	0	2	MASCOT	T	PLEX8	
1.76E-01	0|0	Cs8g16040.1/Cs8g160	4.37	0	0	2	MASCOT	T		
5.32E-05	0|0	Cs8g16040.1/Cs8g160	4.37	0	0	2	MASCOT	T		
8.96E-02	0|0	Cs8g16040.1/Cs8g160	5.81	0	0	2	MASCOT	T	PLEX8	
5.56E-02	0|0	Cs8g16040.1/Cs8g160	5.81	0	0	2	MASCOT	T	PLEX8	
8.39E-02	0|0	Cs8g16040.1/Cs8g160	5.81	0	0	2	MASCOT	T	PLEX8	
4.69E-02	0|0	Cs8g16040.1/Cs8g160	5.81	0	0	2	MASCOT	T	PLEX8	
1.81E-02	0|0	Cs2g09190.1	9.8	0	0	2	MASCOT	T		
4.47E-06	0|0	Cs2g09190.1	4.22	0	15.9	0	2	MASCOT	T	PLEX8
2.80E-09	0|0	Cs2g09190.1	4.22	0	15.9	0	2	MASCOT	T	PLEX8

1.18E-02 0|0	Cs2g09190.1	4.22	0	15.9	0	2	MASCOT	T	PLEX8
5.22E-02 0|0	Cs2g09190.1	4.22	0	15.9	0	2	MASCOT	T	PLEX8
9.52E-09 0|0	Cs2g09190.1	4.22	0	15.9	0	2	MASCOT	T	PLEX8
7.18E-06 0|0	Cs2g09190.1	4.22	0		0	2	MASCOT	T	PLEX8
1.20E-08 0|0	Cs2g09190.1	4.22	0		0	2	MASCOT	T	PLEX8
3.48E-06 0|0	Cs2g09190.1	4.22	0		0	2	MASCOT	T	PLEX8
1.74E-07 0|0	Cs2g09190.1	4.22	0		0	2	MASCOT	T	PLEX8
3.35E-02 0|0	Cs2g09190.1	4.75	0		0	2	MASCOT	T	PLEX8
5.03E-03 0|0	Cs2g09190.1	4.75	0		0	2	MASCOT	T	PLEX8
8.46E-02 0|0	Cs2g09190.1	4.75	0		0	2	MASCOT	T	PLEX8
6.28E-03 0|0	Cs2g09190.1	4.75	0		0	2	MASCOT	T	PLEX8
2.82E-06 0|0	Cs2g09190.1	3.92	0		0	2	MASCOT	T	PLEX8
4.79E-02 0|0	Cs2g09190.1	4.03	0		0	2	MASCOT	T	
5.59E-04 0|0	Cs2g09190.1	5.32	0		0	2	MASCOT	T	PLEX8
2.95E-02 0|0	Cs2g09190.1	5.32	0		0	2	MASCOT	T	PLEX8
4.41E-06 0|0	Cs2g09190.1	4.14	0		0	2	MASCOT	T	PLEX8
2.40E-04 0|0	Cs2g09190.1	4.14	0		0	2	MASCOT	T	PLEX8
3.28E-04 0|0	Cs2g09190.1	4.14	0		0	2	MASCOT	T	PLEX8
4.55E-06 0|0	Cs2g09190.1	4.14	0		0	2	MASCOT	T	PLEX8
2.78E-04 0|0	Cs2g09190.1	4.14	0		0	2	MASCOT	T	PLEX8
1.61E-03 0|0	Cs2g09190.1	4.14	0		0	2	MASCOT	T	PLEX8
4.16E-04 0|0	Cs2g09190.1	4.14	0		0	2	MASCOT	T	PLEX8
2.48E-04 0|0	Cs2g09190.1	4.37	0		0	2	MASCOT	T	PLEX8
1.93E-01 0|0	Cs2g09190.1	8.75	0		0	2	MASCOT	T	PLEX8
7.86E-02 0|0	Cs2g09190.1	8.75	0		0	2	MASCOT	T	PLEX8
5.03E-04 0|0	Cs2g09190.1	5.75	0	15.9	0	2	MASCOT	T	PLEX8
3.42E-04 0|0	Cs2g09190.1	5.75	0		0	2	MASCOT	T	PLEX8
3.26E-06 0|0	Cs2g09190.1	5.75	0		0	2	MASCOT	T	PLEX8
2.09E-02 0|0	Cs2g09190.1	5.75	0		0	2	MASCOT	T	PLEX8
3.73E-03 0|0	Cs2g09190.1	5.75	0		0	2	MASCOT	T	PLEX8
4.66E-02 0|0	Cs2g09190.1	6	0		0	2	MASCOT	T	PLEX8
5.37E-02 0|0	Cs2g09190.1	6	0		0	2	MASCOT	T	PLEX8
7.60E-02 0|0	Cs2g09190.1	6	0		0	2	MASCOT	T	PLEX8
3.41E-04 0|0	Cs2g09190.1	4.37	0		0	2	MASCOT	T	
5.42E-05 0|0	Cs2g09190.1	4.37	0		0	2	MASCOT	T	
4.76E-02 0|0	Cs2g09190.1	5.88	0		0	2	MASCOT	T	PLEX8
1.30E-01 0|0	Cs2g09190.1	5.88	0		0	2	MASCOT	T	PLEX8
1.46E-02 0|0	Cs2g09190.1	5.88	0		0	2	MASCOT	T	PLEX8
1.71E-01 0|0	Cs2g09190.1	5.88	0		0	2	MASCOT	T	
4.70E-02 0|0	Cs2g09190.1	5.88	0		0	2	MASCOT	T	
1.25E-01 0 0	Cs2g09190.1	5.88	0		0	2	MASCOT	T	PLEX8
1.43E-02 0 0	Cs2g09190.1	4.54	0		0	2	MASCOT	T	PLEX8
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1.46E-01 0 0	Cs2g09190.1	4.54	0		0	2	MASCOT	T	PLEX8
6.03E-06 0 0	Cs2g09190.1	4.54	0		0	2	MASCOT	T	PLEX8
1.57E-02 0|0	Cs2g09190.1	6.1	0		0	2	MASCOT	T	PLEX8
1.41E-01 0|0	Cs2g09190.1	6.1	0		0	2	MASCOT	T	PLEX8
4.07E-03 0|0	Cs2g09190.1	6.1	0		0	2	MASCOT	T	PLEX8
2.54E-02 0|0	Cs2g09190.1	4.14	0		0	2	MASCOT	T	PLEX8
2.10E-02 0|0	Cs2g09190.1	4.14	0		0	2	MASCOT	T	PLEX8
3.13E-03 0|0	Cs2g09190.1	4.14	0		0	2	MASCOT	T	PLEX8

6.14E-02 0|0	Cs2g09190.1	4.14	0	0	2 MASCOT	T	PLEX8
1.34E-03 0|0	Cs2g09190.1	4.14	0	0	2 MASCOT	T	PLEX8
1.91E-01 0|0	Cs2g09190.1	4.14	0	0	2 MASCOT	T	
1.37E-01 0|0	Cs2g09190.1	4.11	1	0	2 MASCOT	T	PLEX8
6.64E-03 0|0	Cs2g09190.1	4.56	1	0	2 MASCOT	T	PLEX8
6.40E-02 0|0	Cs2g09190.1	4.56	1	0	2 MASCOT	T	PLEX8
3.33E-01 0|0	Cs2g09190.1	4.53	0	0	2 MASCOT	T	PLEX8
7.34E-03 0|0	Cs2g09190.1	4.53	0	0	2 MASCOT	T	PLEX8
6.60E-03 0|0	Cs2g09190.1	4.53	0	0	2 MASCOT	T	PLEX8
1.05E-02 0|0	Cs2g09190.1	4.53	0	0	2 MASCOT	T	PLEX8
4.27E-05 0|0	Cs2g09190.1	4.37	0	0	2 MASCOT	T	PLEX8
5.49E-07 0|0	Cs2g09190.1	4.37	0	0	2 MASCOT	T	PLEX8
9.20E-05 0|0	Cs2g09190.1	4.41	0	0	2 MASCOT	T	PLEX8
8.85E-04 0|0	Cs2g09190.1	4.41	0	0	2 MASCOT	T	PLEX8
1.62E-01 0|0	Cs2g09190.1	4.41	0	0	2 MASCOT	T	
8.25E-04 0|0	Cs2g09190.1	4.41	0	0	2 MASCOT	T	PLEX8
1.52E-01 0|0	Cs2g09190.1	4.41	0	0	2 MASCOT	T	
5.37E-04 0|0	Cs2g09190.1	4.41	0	0	2 MASCOT	T	PLEX8
3.47E-03 0|0	Cs2g09190.1	4.03	0	0	2 MASCOT	T	
5.81E-04 0|0	Cs2g09190.1	4.03	0	0	2 MASCOT	T	
1.46E-01 0|0	Cs2g09190.1	4.03	0	0	2 MASCOT	T	
3.00E-05 0|0	Cs2g09190.1	4.21	0	0	2 MASCOT	T	PLEX8
5.79E-06 0|0	Cs2g09190.1	4.37	0	0	2 MASCOT	T	PLEX8
8.90E-07 0|0	Cs2g09190.1	4.37	0	0	2 MASCOT	T	PLEX8
4.93E-01 0|0	Cs2g09190.1	6.72	0	0	2 MASCOT	T	PLEX8
2.06E-02 0|0	Cs2g09190.1	6.72	0	0	2 MASCOT	T	PLEX8
1.61E-01 0|0	Cs6g15540.1/Cs6g155	8.63	0	0	2 MASCOT	T	PLEX8
3.70E-04 0|0	Cs6g15540.1/Cs6g155	8.8	0	0	2 MASCOT	T	PLEX8
5.66E-02 0|0	Cs6g15540.1/Cs6g155	8.8	0	0	2 MASCOT	T	
1.50E-05 0|0	Cs6g15540.1/Cs6g155	8.8	0	0	2 MASCOT	T	PLEX8
5.80E-07 0|0	Cs6g15540.1/Cs6g155	8.8	0	0	2 MASCOT	T	PLEX8
2.78E-03 0|0	Cs6g15540.1/Cs6g155	8.8	0	0	2 MASCOT	T	PLEX8
3.43E-02 0|0	Cs6g15540.1/Cs6g155	8.8	0	0	2 MASCOT	T	PLEX8
7.58E-02 0|0	Cs6g15540.1/Cs6g155	4.14	0	0	2 MASCOT	T	PLEX8
4.09E-03 0|0	Cs6g15540.1/Cs6g155	4.14	0	0	2 MASCOT	T	PLEX8
3.77E-02 0|0	Cs6g15540.1/Cs6g155	4.14	0	0	2 MASCOT	T	PLEX8
8.56E-03 0|0	Cs6g15540.1/Cs6g155	4.53	0	0	2 MASCOT	T	PLEX8
9.95E-04 0|0	Cs6g15540.1/Cs6g155	4.53	0	0	2 MASCOT	T	PLEX8
2.57E-05 0|0	Cs6g15540.1/Cs6g155	4.53	0	0	2 MASCOT	T	PLEX8
3.92E-04 0|0	Cs6g15540.1/Cs6g155	4.53	0	0	2 MASCOT	T	PLEX8
3.71E-02 0|0	Cs6g15540.1/Cs6g155	4.53	0	0	2 MASCOT	T	PLEX8
4.87E-02 0|0	Cs6g15540.1/Cs6g155	4.53	0	0	2 MASCOT	T	PLEX8
7.89E-03 0|0	Cs6g15540.1/Cs6g155	4.53	0	0	2 MASCOT	T	PLEX8
7.25E-03 0|0	Cs6g15540.1/Cs6g155	4.53	0	0	2 MASCOT	T	PLEX8
3.11E-01 0|0	Cs6g15540.1/Cs6g155	4.53	0	0	2 MASCOT	T	
2.76E-01 0|0	Cs6g15540.1/Cs6g155	4.53	0	0	2 MASCOT	T	
1.69E-01 0|0	Cs6g15540.1/Cs6g155	6.75	0	0	2 MASCOT	T	PLEX8
1.62E-02 0|0	Cs6g15540.1/Cs6g155	6.75	0	0	2 MASCOT	T	PLEX8
1.85E-03 0|0	Cs6g15540.1/Cs6g155	6.75	0	0	2 MASCOT	T	PLEX8
2.43E-01 0|0	Cs6g15540.1/Cs6g155	6.75	0	0	2 MASCOT	T	PLEX8
1.52E-03 0|0	Cs6g15540.1/Cs6g155	6.75	0	0	2 MASCOT	T	

6.45E-02	0|0	Cs6g15540.1/Cs6g155	6.75	0	0	2	MASCOT	T		
1.01E-01	0|0	Cs6g15540.1/Cs6g155	6.75	0	0	2	MASCOT	T	PLEX8	
2.57E-02	0|0	Cs6g15540.1/Cs6g155	6.75	0	0	2	MASCOT	T		
6.96E-04	0|0	Cs6g15540.1/Cs6g155	6.75	0	0	2	MASCOT	T		
3.67E-01	0|0	Cs6g15540.1/Cs6g155	5.84	0	0	2	MASCOT	T	PLEX8	
4.50E-01	0|0	Cs6g15540.1/Cs6g155	5.84	0	0	2	MASCOT	T	PLEX8	
3.92E-01	0|0	Cs6g15540.1/Cs6g155	5.84	0	0	2	MASCOT	T	PLEX8	
7.97E-03	0|0	Cs6g15540.1/Cs6g155	4.32	1	0	2	MASCOT	T	PLEX8	
6.40E-03	0|0	Cs6g15540.1/Cs6g155	6	0	15.9	0	2	MASCOT	T	
1.09E-01	0|0	Cs6g15540.1/Cs6g155	8.22	0	0	2	MASCOT	T	PLEX8	
2.91E-02	0|0	Cs6g15540.1/Cs6g155	4.53	0	0	2	MASCOT	T	PLEX8	
2.85E-02	0|0	Cs6g15540.1/Cs6g155	4.53	0	0	2	MASCOT	T	PLEX8	
2.99E-02	0|0	Cs6g15540.1/Cs6g155	4.53	0	0	2	MASCOT	T	PLEX8	
1.21E-01	0|0	Cs6g15540.1/Cs6g155	4.53	0	0	2	MASCOT	T	PLEX8	
6.13E-02	0|0	Cs6g15540.1/Cs6g155	4.53	0	0	2	MASCOT	T	PLEX8	
5.61E-02	0|0	Cs6g15540.1/Cs6g155	4.53	0	0	2	MASCOT	T		
1.22E-01	0|0	Cs6g15540.1/Cs6g155	6.69	0	15.9	0	2	MASCOT	T	PLEX8
2.61E-01	0|0	Cs6g15540.1/Cs6g155	6.69	0	15.9	0	2	MASCOT	T	PLEX8
3.30E-03	0|0	Cs6g15540.1/Cs6g155	6.69	0	0	2	MASCOT	T	PLEX8	
7.65E-02	0|0	Cs6g15540.1/Cs6g155	6.69	0	0	2	MASCOT	T	PLEX8	
8.61E-02	0|0	Cs6g15540.1/Cs6g155	6.69	0	0	2	MASCOT	T	PLEX8	
8.40E-03	0|0	Cs6g15540.1/Cs6g155	6.69	0	0	2	MASCOT	T	PLEX8	
3.14E-02	0|0	Cs6g15540.1/Cs6g155	6.69	0	0	2	MASCOT	T	PLEX8	
7.20E-02	0|0	Cs6g15540.1/Cs6g155	6.69	0	0	2	MASCOT	T	PLEX8	
1.64E-01	0|0	Cs6g15540.1/Cs6g155	6.69	0	0	2	MASCOT	T		
6.00E-05	0|0	Cs6g15540.1/Cs6g155	8.76	0	0	2	MASCOT	T	PLEX8	
1.14E-02	0|0	Cs6g15540.1/Cs6g155	8.76	0	0	2	MASCOT	T	PLEX8	
1.05E-01	0|0	Cs6g15540.1/Cs6g155	8.76	0	0	2	MASCOT	T		
2.75E-02	0|0	Cs6g15540.1/Cs6g155	8.76	0	0	2	MASCOT	T		
1.72E-01	0|0	Cs6g15540.1/Cs6g155	8.76	0	0	2	MASCOT	T		
2.48E-02	0|0	Cs6g15540.1/Cs6g155	8.76	0	0	2	MASCOT	T		
1.60E-02	0|0	Cs6g15540.1/Cs6g155	8.76	0	0	2	MASCOT	T		
6.64E-04	0|0	Cs6g15540.1	9.76	0	15.9	0	2	MASCOT	T	PLEX8
6.17E-05	0|0	Cs6g15540.1	9.76	0	15.9	0	2	MASCOT	T	PLEX8
1.46E-03	0|0	Cs6g15540.1	9.76	0	0	2	MASCOT	T	PLEX8	
1.94E-02	0|0	Cs6g15540.1/Cs6g155	7.89	0	0	2	MASCOT	T	PLEX8	
3.15E-02	0|0	Cs6g15540.1/Cs6g155	7.89	0	0	2	MASCOT	T	PLEX8	
1.65E-02	0|0	Cs6g15540.1/Cs6g155	7.89	0	0	2	MASCOT	T	PLEX8	
2.74E-01	0|0	Cs6g15540.1/Cs6g155	7.89	0	0	2	MASCOT	T	PLEX8	
1.35E-01	0|0	Cs6g15540.1/Cs6g155	7.89	0	0	2	MASCOT	T	PLEX8	
1.77E-01	0|0	Cs6g15540.1/Cs6g155	7.89	0	0	2	MASCOT	T	PLEX8	
2.57E-01	0|0	Cs6g15540.1/Cs6g155	7.89	0	0	2	MASCOT	T	PLEX8	
3.51E-02	0|0	Cs6g15540.1/Cs7g261	7.91	0	0	2	MASCOT	T	PLEX8	
6.02E-02	0|0	Cs6g15540.1/Cs7g261	7.91	0	0	2	MASCOT	T	PLEX8	
1.84E-01	0|0	Cs6g15540.1/Cs6g155	5.5	0	0	2	MASCOT	T	PLEX8	
1.22E-01	0|0	Cs6g15540.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.57E-01	0|0	Cs6g15540.1	4.53	0	0	2	MASCOT	T		
1.58E-06	0|0	Cs6g15540.1	4.53	0	0	2	MASCOT	T		
2.05E-04	0|0	Cs6g15540.1	4.53	0	0	2	MASCOT	T		
1.39E-02	0|0	Cs6g15540.1	4.53	0	0	2	MASCOT	T		
2.59E-03	0|0	Cs6g15540.1	4.53	0	0	2	MASCOT	T		

3.77E-08	0|0	Cs6g15540.1	4.53	0	0	2	MASCOT	T	
1.43E-05	0|0	Cs6g15540.1	4.53	0	0	2	MASCOT	T	
7.83E-03	0|0	Cs6g15540.1/Cs6g155	4.21	0	0	2	MASCOT	T	PLEX8
5.78E-06	0|0	Cs6g15540.1/Cs6g155	4.21	0	0	2	MASCOT	T	PLEX8
1.08E-03	0|0	Cs6g15540.1/Cs6g155	4.21	0	0	2	MASCOT	T	PLEX8
7.93E-02	0|0	Cs6g15540.1/Cs6g155	4.21	0	0	2	MASCOT	T	PLEX8
1.26E-02	0|0	Cs6g15540.1/Cs6g155	4.21	0	0	2	MASCOT	T	PLEX8
1.06E-01	0|0	Cs6g15540.1/Cs6g155	4.21	0	0	2	MASCOT	T	
8.03E-02	0|0	Cs6g15540.1/Cs6g155	4.21	0	0	2	MASCOT	T	PLEX8
9.72E-02	0|0	Cs6g15540.1/Cs6g155	4.21	0	0	2	MASCOT	T	PLEX8
1.36E-01	0|0	Cs6g15540.1/Cs6g155	4.21	0	0	2	MASCOT	T	PLEX8
1.57E-03	0|0	Cs6g15540.1/Cs6g155	4.21	0	0	2	MASCOT	T	
1.08E-06	0|0	Cs6g15540.1/Cs6g155	4.21	0	0	2	MASCOT	T	
1.31E-03	0|0	Cs6g15540.1/Cs6g155	4.21	0	0	2	MASCOT	T	
6.08E-05	0|0	Cs6g15540.1/Cs6g155	4.21	0	0	2	MASCOT	T	
8.51E-03	0|0	Cs6g15540.1/Cs6g155	4.21	0	0	2	MASCOT	T	PLEX8
2.11E-02	0|0	Cs6g15540.1/Cs6g155	4.21	0	0	2	MASCOT	T	
1.73E-01	0|0	Cs6g15540.1/Cs6g155	3.92	0	0	2	MASCOT	T	
1.31E-02	0|0	Cs6g15540.1/Cs6g155	8.8	0	0	2	MASCOT	T	PLEX8
6.28E-03	0|0	Cs6g15540.1/Cs6g155	8.8	0	0	2	MASCOT	T	PLEX8
8.48E-04	0|0	Cs6g15540.1/Cs6g155	8.8	0	0	2	MASCOT	T	PLEX8
3.70E-03	0|0	Cs6g15540.1/Cs6g155	8.8	0	0	2	MASCOT	T	PLEX8
8.60E-03	0|0	Cs6g15540.1/Cs6g155	8.8	0	0	2	MASCOT	T	PLEX8
1.13E-01	0|0	Cs6g15540.1/Cs6g155	8.8	0	0	2	MASCOT	T	PLEX8
2.23E-03	0|0	Cs6g15540.1/Cs6g155	8.8	0	0	2	MASCOT	T	PLEX8
8.61E-03	0|0	Cs6g15540.1/Cs6g155	8.8	0	0	2	MASCOT	T	PLEX8
4.95E-02	0|0	Cs6g15540.1/Cs6g155	8.8	0	0	2	MASCOT	T	PLEX8
2.18E-01	0|0	Cs6g15540.1/Cs6g155	8.8	0	0	2	MASCOT	T	PLEX8
2.55E-02	0|0	Cs6g15540.1/Cs6g155	8.8	0	0	2	MASCOT	T	PLEX8
1.23E-01	0|0	Cs6g15540.1/Cs6g155	8.8	0	0	2	MASCOT	T	
3.70E-04	0|0	Cs6g15540.1/Cs6g155	4.53	0	0	2	MASCOT	T	
9.31E-02	0|0	Cs6g15540.1/Cs6g155	4.21	0	0	2	MASCOT	T	PLEX8
4.94E-02	0|0	Cs6g15540.1/Cs6g155	4.21	0	0	2	MASCOT	T	PLEX8
2.43E-02	0|0	Cs6g15540.1/Cs6g155	4.21	0	0	2	MASCOT	T	PLEX8
5.47E-03	0|0	Cs6g15540.1/Cs6g155	4.21	0	0	2	MASCOT	T	
2.25E-06	0|0	Cs6g15540.1/Cs6g155	4.54	0	0	2	MASCOT	T	PLEX8
4.03E-03	0|0	Cs6g15540.1/Cs6g155	4.54	0	0	2	MASCOT	T	PLEX8
1.67E-05	0|0	Cs6g15540.1/Cs6g155	4.54	0	0	2	MASCOT	T	PLEX8
1.21E-04	0|0	Cs6g15540.1/Cs6g155	4.54	0	0	2	MASCOT	T	PLEX8
1.52E-01	0|0	Cs6g15540.1/Cs6g155	4.54	0	0	2	MASCOT	T	
1.35E-06	0|0	Cs6g15540.1/Cs6g155	4.54	0	0	2	MASCOT	T	
5.55E-07	0|0	Cs6g15540.1	4.09	0	0	2	MASCOT	T	PLEX8
1.40E-02	0|0	Cs6g15540.1	4.09	0	0	2	MASCOT	T	PLEX8
4.07E-08	0|0	Cs6g15540.1	4.09	0	0	2	MASCOT	T	PLEX8
1.63E-02	0|0	Cs6g15540.1	4.09	0	0	2	MASCOT	T	PLEX8
3.62E-02	0|0	Cs6g15540.1	4.09	0	0	2	MASCOT	T	PLEX8
9.82E-03	0|0	Cs6g15540.1	4.09	0	0	2	MASCOT	T	PLEX8
8.77E-03	0|0	Cs6g15540.1	4.09	0	0	2	MASCOT	T	PLEX8
9.35E-02	0|0	Cs4g10280.1/Cs4g102	5.4	0	0	2	MASCOT	T	PLEX8
7.99E-04	0|0	Cs4g10280.1/Cs4g102	5.4	0	0	2	MASCOT	T	
5.64E-04	0|0	Cs4g10280.1/Cs4g102	5.4	0	0	2	MASCOT	T	PLEX8

1.70E-05	0|0	Cs4g10280.1/Cs4g102	5.4	0	0	2	MASCOT	T	PLEX8	
2.09E-03	0|0	Cs4g10280.1/Cs4g102	5.4	0	0	2	MASCOT	T	PLEX8	
1.77E-05	0|0	Cs4g10280.1/Cs4g102	5.4	0	0	2	MASCOT	T		
1.29E-01	0|0	Cs4g10280.1/Cs4g102	5.32	0	0	2	MASCOT	T	PLEX8	
1.30E-03	0|0	Cs4g10280.1/Cs4g102	5.84	0	0	2	MASCOT	T		
8.86E-05	0|0	Cs4g10280.1/Cs4g102	5.84	0	0	2	MASCOT	T		
3.74E-01	0|0	Cs2g21430.1/Cs2g214	6.75	0	0	2	MASCOT	T	PLEX8	
1.30E-01	0|0	Cs2g21430.1/Cs2g214	6.75	0	0	2	MASCOT	T	PLEX8	
1.17E-02	0|0	Cs2g21430.1/Cs2g214	6.75	0	0	2	MASCOT	T	PLEX8	
3.97E-01	0|0	Cs1g26040.1/Cs1g260	8.75	0	15.9	0	2	MASCOT	T	PLEX8
2.59E-02	0|0	Cs1g26040.1/Cs1g260	8.75	0	0	2	MASCOT	T	PLEX8	
8.50E-03	0|0	Cs1g26040.1/Cs1g260	8.75	0	0	2	MASCOT	T	PLEX8	
7.18E-02	0|0	Cs1g26040.1/Cs1g260	8.75	0	0	2	MASCOT	T	PLEX8	
6.15E-02	0|0	Cs1g26040.1/Cs1g260	8.75	0	0	2	MASCOT	T		
9.68E-02	0|0	Cs2g21430.1/Cs2g214	8.76	0	0	2	MASCOT	T		
5.19E-02	0|0	Cs4g10280.1/Cs4g102	6	0	0	2	MASCOT	T	PLEX8	
1.59E-02	0|0	Cs4g10280.1/Cs4g102	6	0	0	2	MASCOT	T	PLEX8	
2.23E-03	0|0	Cs4g10280.1/Cs4g102	4.37	0	0	2	MASCOT	T	PLEX8	
2.30E-02	0|0	Cs4g10280.1/Cs4g102	4.37	0	0	2	MASCOT	T	PLEX8	
1.13E-01	0|0	Cs1g26040.1/Cs1g260	6	0	0	2	MASCOT	T	PLEX8	
3.45E-02	0|0	Cs1g26040.1/Cs1g260	6	0	0	2	MASCOT	T	PLEX8	
7.63E-03	0|0	Cs1g26040.1/Cs1g260	6	0	0	2	MASCOT	T	PLEX8	
9.64E-03	0|0	Cs1g26040.1/Cs1g260	6	0	0	2	MASCOT	T	PLEX8	
1.25E-02	0|0	Cs1g26040.1/Cs1g260	6	0	0	2	MASCOT	T	PLEX8	
1.17E-01	0|0	Cs1g26040.1/Cs1g260	6	0	0	2	MASCOT	T	PLEX8	
3.38E-02	0|0	Cs1g26040.1/Cs1g260	6	0	0	2	MASCOT	T	PLEX8	
3.60E-02	0|0	Cs1g26040.1/Cs1g260	6	0	0	2	MASCOT	T	PLEX8	
6.78E-02	0|0	Cs4g10280.1/Cs4g102	5.84	0	15.9	0	2	MASCOT	T	PLEX8
7.65E-05	0|0	Cs4g10280.1/Cs4g102	4	0	0	2	MASCOT	T		
3.28E-02	0|0	Cs4g10280.1/Cs4g102	6.75	0	0	2	MASCOT	T	PLEX8	
1.74E-01	0|0	Cs1g26040.1/Cs1g260	8.75	0	0	2	MASCOT	T	PLEX8	
9.09E-03	0|0	Cs1g26040.1/Cs1g260	8.75	0	0	2	MASCOT	T	PLEX8	
9.43E-03	0|0	Cs1g26040.1/Cs1g260	8.75	0	0	2	MASCOT	T	PLEX8	
8.08E-03	0|0	Cs2g21430.1/Cs2g214	5.72	0	0	2	MASCOT	T	PLEX8	
1.54E-02	0|0	Cs2g21430.1/Cs2g214	5.72	0	0	2	MASCOT	T	PLEX8	
4.70E-02	0|0	Cs2g21430.1/Cs2g214	5.72	0	0	2	MASCOT	T	PLEX8	
1.29E-01	0|0	Cs2g21430.1/Cs2g214	5.72	0	0	2	MASCOT	T	PLEX8	
2.13E-01	0|0	Cs2g21430.1/Cs2g214	5.72	0	0	2	MASCOT	T	PLEX8	
4.61E-02	0|0	Cs2g21430.1/Cs2g214	5.72	0	0	2	MASCOT	T	PLEX8	
1.63E-02	0|0	Cs2g21430.1/Cs2g214	5.72	0	0	2	MASCOT	T	PLEX8	
1.16E-01	0|0	Cs2g21430.1/Cs2g214	5.72	0	0	2	MASCOT	T		
1.20E-01	0|0	Cs1g26040.1/Cs1g260	8.41	0	0	2	MASCOT	T	PLEX8	
1.03E-03	0|0	Cs1g26040.1/Cs1g260	8.41	0	0	2	MASCOT	T	PLEX8	
7.22E-03	0|0	Cs1g26040.1/Cs1g260	8.41	0	0	2	MASCOT	T	PLEX8	
6.87E-03	0|0	Cs1g26040.1/Cs1g260	8.41	0	0	2	MASCOT	T	PLEX8	
6.42E-03	0|0	Cs1g26040.1/Cs1g260	8.41	0	0	2	MASCOT	T	PLEX8	
3.38E-04	0|0	Cs1g26040.1/Cs1g260	8.41	0	0	2	MASCOT	T	PLEX8	
1.90E-01	0|0	Cs4g10280.1/Cs4g102	6.41	0	0	2	MASCOT	T	PLEX8	
4.05E-01	0|0	Cs4g10280.1/Cs4g102	4.56	0	0	2	MASCOT	T	PLEX8	
4.93E-01	0|0	Cs4g10280.1/Cs4g102	4.56	0	0	2	MASCOT	T	PLEX8	
4.47E-03	0|0	Cs4g10280.1/Cs4g102	4.56	0	0	2	MASCOT	T		

6.76E-03	0|0	Cs4g10280.1/Cs4g102	8.59	0	0	2	MASCOT	T	PLEX8
7.03E-03	0|0	Cs4g10280.1/Cs4g102	8.59	0	0	2	MASCOT	T	PLEX8
1.62E-02	0|0	Cs4g10280.1/Cs4g102	8.59	0	0	2	MASCOT	T	PLEX8
4.79E-01	0|0	Cs4g10280.1/Cs4g102	8.59	0	0	2	MASCOT	T	PLEX8
7.14E-02	0|0	Cs4g10280.1/Cs4g102	6	0	0	2	MASCOT	T	PLEX8
2.35E-03	0|0	Cs4g10280.1/Cs4g102	5.83	0	0	2	MASCOT	T	PLEX8
5.06E-02	0|0	Cs4g10280.1/Cs4g102	5.83	0	0	2	MASCOT	T	PLEX8
8.71E-02	0|0	Cs4g10280.1/Cs4g102	5.83	0	0	2	MASCOT	T	PLEX8
7.40E-03	0|0	Cs2g21430.1/Cs2g214	6.07	1	0	2	MASCOT	T	
6.97E-03	0|0	Cs2g21430.1/Cs2g214	6.07	1	0	2	MASCOT	T	
1.55E-02	0|0	Cs2g21430.1/Cs2g214	6.07	1	0	2	MASCOT	T	
1.50E+00	0|0	Cs1g26040.1/Cs1g260	9.73	0	0	2	MASCOT	T	PLEX8
8.18E-01	0|0	Cs1g26040.1/Cs1g260	9.73	0	0	2	MASCOT	T	
9.18E-01	0|0	Cs1g26040.1/Cs1g260	9.73	0	0	2	MASCOT	T	PLEX8
1.80E-01	0|0	Cs4g10280.1/Cs4g102	8.59	0	0	2	MASCOT	T	PLEX8
5.36E-01	0|0	Cs4g10280.1/Cs4g102	8.59	0	0	2	MASCOT	T	PLEX8
2.42E-04	0|0	orange1.1t03769.1/ora	5.52	0	0	2	MASCOT	T	PLEX8
1.29E-03	0|0	orange1.1t03769.1/ora	5.52	0	0	2	MASCOT	T	PLEX8
1.66E-01	0|0	orange1.1t04376.1	6.75	0	0	2	MASCOT	T	PLEX8
7.26E-02	0|0	orange1.1t04376.1	6.75	0	0	2	MASCOT	T	PLEX8
1.13E-01	0|0	orange1.1t04376.1	4.14	0	15.9	0	2	MASCOT	T
2.38E-03	0|0	orange1.1t04376.1	4.14	0	15.9	0	2	MASCOT	T
1.26E-06	0|0	orange1.1t04376.1	4.14	0	15.9	0	2	MASCOT	T
5.01E-02	0|0	orange1.1t04376.1	4.14	0	15.9	0	2	MASCOT	T
4.67E-05	0|0	orange1.1t04376.1	4.14	0	15.9	0	2	MASCOT	T
4.47E-03	0|0	orange1.1t04376.1/ora	5.84	0	0	2	MASCOT	T	PLEX8
9.47E-03	0|0	orange1.1t04376.1/ora	5.84	0	0	2	MASCOT	T	PLEX8
1.69E-02	0|0	orange1.1t04376.1/ora	5.84	0	0	2	MASCOT	T	PLEX8
1.63E-01	0|0	orange1.1t04376.1/ora	8.75	0	0	2	MASCOT	T	PLEX8
8.43E-02	0|0	orange1.1t04376.1/ora	8.75	1	0	2	MASCOT	T	
2.14E-02	0|0	orange1.1t03775.1/ora	4.14	0	0	2	MASCOT	T	
7.10E-03	0|0	orange1.1t04376.1/ora	5.55	0	0	2	MASCOT	T	PLEX8
1.33E-01	0|0	orange1.1t04376.1/ora	5.55	0	0	2	MASCOT	T	PLEX8
9.90E-03	0|0	orange1.1t04376.1/ora	3.91	0	0	2	MASCOT	T	
1.17E-03	0|0	orange1.1t04376.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
1.46E-03	0|0	orange1.1t04376.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
3.41E-03	0|0	orange1.1t04376.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
2.38E-02	0|0	orange1.1t04376.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
3.17E-01	0|0	orange1.1t04376.1/ora	4.53	0	0	2	MASCOT	T	PLEX8
3.87E-03	0|0	orange1.1t04376.1/ora	4.03	0	0	2	MASCOT	T	PLEX8
2.09E-03	0|0	orange1.1t04376.1/ora	4.03	0	0	2	MASCOT	T	PLEX8
5.87E-03	0|0	orange1.1t04376.1/ora	4.14	0	0	2	MASCOT	T	PLEX8
2.87E-02	0|0	orange1.1t04376.1/ora	4.14	0	0	2	MASCOT	T	PLEX8
1.46E-02	0|0	orange1.1t04376.1/ora	4.14	0	0	2	MASCOT	T	PLEX8
4.46E-02	0|0	Cs9g05405.1 ! orange1	4.14	0	0	2	MASCOT	T	PLEX8
2.48E-03	0|0	orange1.1t04376.1	4.14	0	0	2	MASCOT	T	PLEX8
5.44E-03	0|0	orange1.1t04376.1	4.14	0	0	2	MASCOT	T	PLEX8
3.14E-03	0|0	orange1.1t04376.1	4.14	0	0	2	MASCOT	T	PLEX8
4.97E-03	0|0	orange1.1t04376.1	4.14	0	0	2	MASCOT	T	PLEX8
9.92E-02	0|0	orange1.1t04376.1/ora	6.1	0	0	2	MASCOT	T	
2.44E-03	0|0	orange1.1t04376.1	5.32	0	0	2	MASCOT	T	PLEX8

7.39E-04	0|0	orange1.1t04376.1	5.32	0	0	2	MASCOT	T	PLEX8	
6.09E-05	0|0	orange1.1t04376.1	5.32	0	0	2	MASCOT	T	PLEX8	
1.54E-02	0|0	orange1.1t04376.1	5.32	0	0	2	MASCOT	T	PLEX8	
7.71E-03	0|0	orange1.1t04376.1	5.32	0	0	2	MASCOT	T	PLEX8	
5.84E-03	0|0	orange1.1t04376.1	5.32	0	0	2	MASCOT	T	PLEX8	
1.05E-01	0|0	orange1.1t04376.1	5.32	0	0	2	MASCOT	T		
4.45E-01	0|0	orange1.1t03770.1/ora	6	0	0	2	MASCOT	T	PLEX8	
4.97E-02	0|0	orange1.1t03770.1/ora	6	0	0	2	MASCOT	T	PLEX8	
4.51E-01	0|0	orange1.1t03770.1/ora	6	0	0	2	MASCOT	T	PLEX8	
9.48E-03	0|0	orange1.1t04376.1/ora	6.74	0	0	2	MASCOT	T	PLEX8	
1.69E-01	0|0	orange1.1t04376.1/ora	6.74	0	0	2	MASCOT	T	PLEX8	
3.80E-01	0|0	orange1.1t04376.1/ora	6.74	0	0	2	MASCOT	T		
5.40E-02	0|0	orange1.1t04376.1/ora	6.74	0	0	2	MASCOT	T	PLEX8	
1.07E-05	0|0	orange1.1t04376.1/ora	4.37	0	0	2	MASCOT	T		
2.43E-02	0|0	orange1.1t03769.1/ora	8.75	0	15.9	0	2	MASCOT	T	PLEX8
5.86E-03	0|0	orange1.1t03769.1/ora	8.75	0	0	2	MASCOT	T	PLEX8	
6.05E-02	0|0	orange1.1t03769.1/ora	8.75	0	0	2	MASCOT	T	PLEX8	
1.25E-05	0|0	orange1.1t03769.1/ora	8.75	0	0	2	MASCOT	T	PLEX8	
9.46E-04	0|0	orange1.1t03769.1/ora	8.75	0	0	2	MASCOT	T	PLEX8	
6.93E-02	0|0	orange1.1t03769.1/ora	8.75	0	0	2	MASCOT	T	PLEX8	
9.43E-02	0|0	orange1.1t03769.1/ora	8.75	0	0	2	MASCOT	T		
2.00E-01	0|0	orange1.1t03769.1/ora	8.75	0	0	2	MASCOT	T		
5.32E-02	0|0	orange1.1t03775.1/ora	8.75	0	0	2	MASCOT	T	PLEX8	
2.16E-03	0|0	orange1.1t04376.1/ora	6.41	0	0	2	MASCOT	T	PLEX8	
5.22E-03	0|0	orange1.1t04376.1/ora	6.41	0	0	2	MASCOT	T	PLEX8	
1.87E-02	0|0	orange1.1t04376.1/ora	6.14	1	0	2	MASCOT	T	PLEX8	
1.49E-02	0|0	orange1.1t04376.1/ora	6.14	1	0	2	MASCOT	T	PLEX8	
3.96E-04	0|0	Cs5g32980.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.49E-01	0|0	Cs5g32980.1	4.53	0	0	2	MASCOT	T	PLEX8	
2.72E-03	0|0	Cs5g32980.1/Cs9g044	4.14	0	0	2	MASCOT	T	PLEX8	
1.46E-02	0|0	Cs5g32980.1/Cs9g044	4.14	0	0	2	MASCOT	T	PLEX8	
9.34E-03	0|0	Cs5g32980.1/Cs9g044	4.14	0	0	2	MASCOT	T	PLEX8	
3.06E-01	0|0	Cs5g32980.1	4.37	0	0	2	MASCOT	T	PLEX8	
5.79E-03	0|0	Cs5g32980.1	4.48	0	0	2	MASCOT	T	PLEX8	
1.10E-03	0|0	Cs5g32980.1	4.48	0	0	2	MASCOT	T		
3.54E-03	0|0	Cs5g32980.1	4.48	0	0	2	MASCOT	T	PLEX8	
2.55E-02	0|0	Cs5g32980.1	4.48	0	0	2	MASCOT	T	PLEX8	
2.93E-02	0|0	Cs5g32980.1	4.48	0	0	2	MASCOT	T		
1.99E-03	0|0	Cs5g32980.1	4.37	0	0	2	MASCOT	T	PLEX8	
2.00E-02	0|0	Cs5g32980.1	4.37	0	0	2	MASCOT	T	PLEX8	
4.40E-02	0|0	Cs5g32980.1	4.37	0	15.9	0	2	MASCOT	T	PLEX8
1.83E-03	0|0	Cs5g32980.1	5.4	0	0	2	MASCOT	T	PLEX8	
7.90E-03	0|0	Cs5g32980.1	4.14	0	0	2	MASCOT	T	PLEX8	
2.98E-02	0|0	Cs5g32980.1	4.37	0	0	2	MASCOT	T	PLEX8	
3.54E-03	0|0	Cs5g32980.1 ! Cs9g04	4.53	0	0	2	MASCOT	T	PLEX8	
4.40E-05	0|0	Cs5g32980.1 ! Cs9g04	4.53	0	0	2	MASCOT	T	PLEX8	
3.81E-04	0|0	Cs5g32980.1 ! Cs9g04	4.53	0	0	2	MASCOT	T	PLEX8	
1.78E-02	0|0	Cs5g32980.1	5.72	0	0	2	MASCOT	T	PLEX8	
7.93E-02	0|0	Cs5g32980.1	6.41	0	0	2	MASCOT	T	PLEX8	
8.07E-03	0|0	Cs5g32980.1	4.37	0	0	2	MASCOT	T	PLEX8	
9.51E-02	0|0	Cs5g32980.1	4.37	0	0	2	MASCOT	T	PLEX8	

1.20E-03	0|0	Cs5g32980.1	4.21	0	0	2	MASCOT	T		
2.66E-02	0|0	Cs5g32980.1	8.75	0	0	2	MASCOT	T	PLEX8	
1.07E-02	0|0	Cs5g32980.1	8.75	0	0	2	MASCOT	T	PLEX8	
7.99E-02	0|0	Cs5g32980.1	3.98	0	0	2	MASCOT	T	PLEX8	
8.29E-04	0|0	Cs5g32980.1	4.75	0	0	2	MASCOT	T	PLEX8	
1.53E-03	0|0	Cs5g32980.1	5.32	0	0	2	MASCOT	T	PLEX8	
1.17E-07	0|0	Cs5g32980.1	5.32	0	0	2	MASCOT	T	PLEX8	
1.16E-05	0|0	Cs5g32980.1	5.32	0	0	2	MASCOT	T	PLEX8	
2.67E-06	0|0	Cs5g32980.1	5.32	0	0	2	MASCOT	T		
4.05E-02	0|0	Cs5g32980.1	6.74	0	15.9	0	2	MASCOT	T	PLEX8
2.92E-04	0|0	Cs5g32980.1	6.74	0	15.9	0	2	MASCOT	T	PLEX8
1.42E-04	0|0	Cs5g32980.1	6.74	0	15.9	0	2	MASCOT	T	
3.18E-02	0|0	Cs5g32980.1	9.75	0	0	2	MASCOT	T	PLEX8	
1.47E-03	0|0	Cs5g32980.1	6.74	0	15.9	0	2	MASCOT	T	
4.56E-02	0|0	Cs5g32980.1	6.74	0	15.9	0	2	MASCOT	T	
5.27E-01	0|0	Cs5g32980.1	5.84	0	0	2	MASCOT	T	PLEX8	
7.38E-02	0|0	Cs5g32980.1	6.46	0	0	2	MASCOT	T	PLEX8	
8.65E-02	0|0	Cs5g32980.1	5.81	0	0	2	MASCOT	T	PLEX8	
1.36E-01	0|0	Cs3g27220.1/Cs3g272	9.8	0	0	2	MASCOT	T	PLEX8	
1.79E-01	0|0	Cs3g27220.1/Cs3g272	9.8	0	0	2	MASCOT	T		
1.19E-01	0|0	Cs3g27220.1/Cs3g272	9.8	0	0	2	MASCOT	T		
3.77E-03	0|0	Cs3g27220.2/Cs3g272	4.54	0	0	2	MASCOT	T	PLEX8	
1.01E-01	0|0	Cs3g27220.2/Cs3g272	4.54	0	0	2	MASCOT	T	PLEX8	
5.91E-02	0|0	Cs3g27220.2/Cs3g272	4.54	0	0	2	MASCOT	T	PLEX8	
1.47E-03	0|0	Cs3g27220.2/Cs3g272	4.54	0	0	2	MASCOT	T	PLEX8	
1.52E-03	0|0	Cs3g27220.2/Cs3g272	4.54	0	0	2	MASCOT	T	PLEX8	
1.46E-03	0|0	Cs3g27220.2/Cs3g272	4.54	0	0	2	MASCOT	T	PLEX8	
6.80E-02	0|0	Cs3g27220.2/Cs3g272	4.54	0	0	2	MASCOT	T	PLEX8	
8.83E-03	0|0	Cs3g27220.2/Cs3g272	4.54	0	0	2	MASCOT	T		
8.49E-02	0|0	Cs3g27220.2/Cs3g272	4.54	0	0	2	MASCOT	T		
6.24E-02	0|0	Cs3g27220.1/Cs3g272	4.14	0	0	2	MASCOT	T	PLEX8	
5.68E-02	0|0	Cs3g27220.1/Cs3g272	6.1	0	0	2	MASCOT	T	PLEX8	
1.58E-01	0|0	Cs3g27220.1/Cs3g272	6.1	0	0	2	MASCOT	T	PLEX8	
1.64E-03	0|0	Cs3g27220.1/Cs3g272	6.1	0	0	2	MASCOT	T	PLEX8	
1.78E-01	0|0	Cs3g27220.1/Cs3g272	6.1	0	0	2	MASCOT	T	PLEX8	
1.38E-01	0|0	Cs3g27220.1/Cs3g272	6	0	0	2	MASCOT	T		
1.47E-02	0|0	Cs3g27220.1/Cs3g272	6	0	0	2	MASCOT	T		
3.33E-02	0|0	Cs3g27220.1/Cs3g272	6	0	0	2	MASCOT	T		
2.86E-03	0|0	Cs3g27220.1/Cs3g272	5.21	0	0	2	MASCOT	T	PLEX8	
8.93E-02	0|0	Cs3g27220.1/Cs3g272	5.21	0	0	2	MASCOT	T	PLEX8	
9.05E-02	0|0	Cs3g27220.1/Cs3g272	5.21	0	0	2	MASCOT	T		
7.54E-03	0|0	Cs3g27220.1/Cs3g272	5.21	0	0	2	MASCOT	T	PLEX8	
4.20E-02	0|0	Cs3g27220.1/Cs3g272	5.21	0	0	2	MASCOT	T	PLEX8	
2.96E-02	0|0	Cs3g27220.1/Cs3g272	4.75	0	0	2	MASCOT	T	PLEX8	
3.99E-03	0|0	Cs3g27220.1/Cs3g272	4.75	0	0	2	MASCOT	T	PLEX8	
1.02E-02	0|0	Cs3g27220.1/Cs3g272	4.75	0	0	2	MASCOT	T	PLEX8	
7.85E-03	0|0	Cs3g27220.1/Cs3g272	4.75	0	0	2	MASCOT	T	PLEX8	
9.77E-02	0|0	Cs3g27220.1/Cs3g272	4.75	0	0	2	MASCOT	T	PLEX8	
1.13E-01	0|0	Cs3g27220.1/Cs3g272	4.14	0	0	2	MASCOT	T	PLEX8	
1.43E-03	0|0	Cs3g27220.1/Cs3g272	4.14	0	0	2	MASCOT	T	PLEX8	
7.14E-05	0|0	Cs3g27220.1/Cs3g272	4.14	0	0	2	MASCOT	T	PLEX8	

2.04E-03	0|0	Cs3g27220.1/Cs3g272	4.14	0	0	2	MASCOT	T	PLEX8	
1.51E-01	0|0	Cs3g27220.1/Cs3g272	4.41	1	0	2	MASCOT	T	PLEX8	
9.08E-03	0|0	Cs3g27220.1/Cs3g272	4.41	1	0	2	MASCOT	T	PLEX8	
9.30E-02	0|0	Cs3g27220.1/Cs3g272	4.41	1	0	2	MASCOT	T		
6.54E-03	0|0	Cs3g27220.1/Cs3g272	4.41	1	0	2	MASCOT	T		
1.36E-03	0|0	Cs3g27220.1/Cs3g272	4.41	1	0	2	MASCOT	T		
3.69E-02	0|0	Cs3g27220.1/Cs3g272	5.97	0	0	2	MASCOT	T	PLEX8	
7.47E-02	0|0	Cs3g27220.1/Cs3g272	5.97	0	0	2	MASCOT	T	PLEX8	
3.93E-02	0|0	Cs3g27220.1/Cs3g272	5.97	0	0	2	MASCOT	T	PLEX8	
9.65E-03	0|0	Cs3g27220.1/Cs3g272	5.84	0	0	2	MASCOT	T	PLEX8	
8.88E-02	0|0	Cs3g27220.1/Cs3g272	5.84	0	0	2	MASCOT	T	PLEX8	
2.95E-03	0|0	Cs3g27220.1/Cs3g272	5.84	0	0	2	MASCOT	T	PLEX8	
3.86E-02	0|0	Cs3g27220.1/Cs3g272	4.37	0	0	2	MASCOT	T	PLEX8	
5.71E-02	0|0	Cs3g27220.1/Cs3g272	4.37	0	0	2	MASCOT	T	PLEX8	
1.26E-01	0|0	Cs3g27220.1/Cs3g272	4.37	0	0	2	MASCOT	T	PLEX8	
4.96E-02	0|0	Cs3g27220.1/Cs3g272	4.37	0	0	2	MASCOT	T		
3.32E-03	0|0	Cs3g27220.1/Cs3g272	4.37	0	0	2	MASCOT	T	PLEX8	
1.47E-04	0|0	Cs3g27220.1/Cs3g272	4.03	0	0	2	MASCOT	T		
1.35E-02	0|0	Cs3g27220.1/Cs3g272	4.03	0	0	2	MASCOT	T		
2.10E-06	0|0	Cs3g27220.1/Cs3g272	4.03	0	0	2	MASCOT	T		
1.31E-02	0|0	Cs3g27220.1/Cs3g272	4.03	0	0	2	MASCOT	T		
1.12E-01	0|0	Cs3g27220.1/Cs3g272	4.25	0	0	2	MASCOT	T	PLEX8	
2.07E-02	0|0	Cs3g27220.1/Cs3g272	4.25	0	0	2	MASCOT	T	PLEX8	
6.87E-03	0|0	Cs3g27220.1/Cs3g272	4.25	0	0	2	MASCOT	T	PLEX8	
4.90E-02	0|0	Cs3g27220.1/Cs3g272	4.25	0	0	2	MASCOT	T	PLEX8	
2.64E-02	0|0	Cs3g27220.1/Cs3g272	4.03	0	0	2	MASCOT	T	PLEX8	
4.68E-03	0|0	Cs3g27220.1/Cs3g272	4.03	0	0	2	MASCOT	T		
9.77E-02	0|0	Cs3g27220.1/Cs3g272	8.76	0	0	2	MASCOT	T	PLEX8	
3.17E-02	0|0	Cs3g27220.1/Cs3g272	8.76	0	0	2	MASCOT	T	PLEX8	
2.16E-02	0|0	Cs3g27220.1/Cs3g272	8.76	0	0	2	MASCOT	T	PLEX8	
4.23E-02	0|0	Cs3g27220.1/Cs3g272	8.76	0	0	2	MASCOT	T		
4.37E-02	0|0	Cs3g27220.1/Cs3g272	8.76	0	0	2	MASCOT	T	PLEX8	
7.14E-02	0|0	Cs3g27220.1/Cs3g272	8.75	0	0	2	MASCOT	T	PLEX8	
4.39E-02	0|0	Cs3g27220.1/Cs3g272	5.4	0	15.9	0	2	MASCOT	T	PLEX8
9.88E-02	0|0	Cs3g27220.1/Cs3g272	5.4	0	15.9	0	2	MASCOT	T	PLEX8
3.69E-02	0|0	Cs3g27220.1/Cs3g272	5.4	0	15.9	0	2	MASCOT	T	PLEX8
2.41E-02	0|0	Cs3g27220.1/Cs3g272	5.4	0	15.9	0	2	MASCOT	T	PLEX8
2.45E-02	0|0	Cs3g27220.1/Cs3g272	5.4	0	15.9	0	2	MASCOT	T	PLEX8
1.28E-03	0|0	Cs3g27220.1/Cs3g272	5.4	0	0	2	MASCOT	T	PLEX8	
8.67E-02	0|0	Cs3g27220.1/Cs3g272	5.4	0	0	2	MASCOT	T	PLEX8	
4.07E-03	0|0	Cs3g27220.1/Cs3g272	5.4	0	0	2	MASCOT	T	PLEX8	
4.80E-04	0|0	Cs3g27220.1/Cs3g272	5.4	0	0	2	MASCOT	T	PLEX8	
2.16E-02	0|0	Cs3g27220.1/Cs3g272	5.4	0	0	2	MASCOT	T	PLEX8	
6.45E-04	0|0	Cs3g27220.1/Cs3g272	5.4	0	0	2	MASCOT	T	PLEX8	
1.46E-03	0|0	Cs3g27220.1/Cs3g272	5.4	0	0	2	MASCOT	T	PLEX8	
3.40E-03	0|0	Cs3g27220.1/Cs3g272	5.4	0	0	2	MASCOT	T	PLEX8	
1.69E-01	0|0	Cs3g27220.1/Cs3g272	5.84	0	15.9	0	2	MASCOT	T	
6.94E-03	0|0	Cs3g27220.1/Cs3g272	6.75	1	0	2	MASCOT	T	PLEX8	
3.89E-01	0|0	Cs3g27220.1/Cs3g272	4.37	0	0	2	MASCOT	T	PLEX8	
2.53E-02	0|0	Cs3g27220.1/Cs3g272	4.37	0	0	2	MASCOT	T	PLEX8	
5.65E-02	0|0	Cs3g27220.1/Cs3g272	4.37	0	0	2	MASCOT	T	PLEX8	

1.17E-02 0|0	Cs3g27220.1/Cs3g272	4.48	0	0	2	MASCOT	T	PLEX8
1.49E-01 0|0	Cs3g27220.1/Cs3g272	6.01	0	0	2	MASCOT	T	PLEX8
1.07E-01 0|0	Cs3g27220.1/Cs3g272	6.01	0	0	2	MASCOT	T	PLEX8
5.62E-03 0|0	Cs4g08220.1/Cs4g082	5.88	0	0	2	MASCOT	T	
5.25E-03 0|0	Cs4g08220.1/Cs4g082	5.88	0	0	2	MASCOT	T	
9.72E-02 0|0	Cs4g08220.1/Cs4g082	5.88	0	0	2	MASCOT	T	
6.41E-03 0|0	Cs4g08220.1/Cs4g082	5.88	0	0	2	MASCOT	T	
1.85E-02 0|0	Cs4g08220.1/Cs4g082	5.88	0	0	2	MASCOT	T	
3.27E-03 0|0	Cs4g08220.1/Cs4g082	8.8	0	0	2	MASCOT	T	PLEX8
3.56E-02 0|0	Cs4g08220.1/Cs4g082	8.8	0	0	2	MASCOT	T	PLEX8
3.88E-02 0|0	Cs4g08220.1/Cs4g082	8.8	0	0	2	MASCOT	T	PLEX8
2.43E-02 0|0	Cs4g08220.1/Cs4g082	8.8	0	0	2	MASCOT	T	PLEX8
5.30E-02 0|0	Cs4g08220.1/Cs4g082	8.8	0	0	2	MASCOT	T	PLEX8
2.39E-02 0|0	Cs4g08220.1/Cs4g082	8.8	0	0	2	MASCOT	T	PLEX8
3.21E-02 0|0	Cs4g08220.1/Cs4g082	8.8	0	0	2	MASCOT	T	PLEX8
4.23E-02 0|0	Cs4g08220.1/Cs4g082	8.8	0	0	2	MASCOT	T	PLEX8
1.37E-01 0|0	Cs4g08220.1/Cs4g082	8.8	0	0	2	MASCOT	T	
3.69E-01 0|0	Cs4g08220.1/Cs4g082	4.53	0	0	2	MASCOT	T	PLEX8
1.13E-03 0|0	Cs4g08220.1/Cs4g082	4.25	0	0	2	MASCOT	T	PLEX8
2.95E-02 0|0	Cs4g08220.1/Cs4g082	3.91	0	0	2	MASCOT	T	PLEX8
1.09E-03 0|0	Cs4g08220.1/Cs4g082	3.91	0	0	2	MASCOT	T	PLEX8
6.61E-04 0|0	Cs4g08220.1/Cs4g082	3.91	0	0	2	MASCOT	T	
1.30E-02 0|0	Cs4g08220.1/Cs4g082	3.91	0	0	2	MASCOT	T	PLEX8
9.56E-02 0|0	Cs4g08220.1/Cs4g082	4.53	0	0	2	MASCOT	T	PLEX8
6.12E-02 0|0	Cs4g08220.1/Cs4g082	4.53	0	0	2	MASCOT	T	PLEX8
8.53E-02 0|0	Cs4g08220.1/Cs4g082	4.53	0	0	2	MASCOT	T	PLEX8
8.27E-02 0|0	Cs4g08220.1/Cs4g082	4.53	0	0	2	MASCOT	T	
1.49E-02 0|0	Cs4g08220.1/Cs4g082	4.14	0	0	2	MASCOT	T	PLEX8
1.24E-02 0|0	Cs4g08220.1/Cs4g082	4.14	0	0	2	MASCOT	T	PLEX8
1.75E-01 0|0	Cs4g08220.1/Cs4g082	5.4	0	0	2	MASCOT	T	PLEX8
8.57E-02 0|0	Cs4g08220.1/Cs4g082	5.4	0	0	2	MASCOT	T	PLEX8
6.82E-02 0|0	Cs4g08220.1/Cs4g082	6	0	0	2	MASCOT	T	PLEX8
1.90E-01 0|0	Cs4g08220.1/Cs4g082	6	0	0	2	MASCOT	T	PLEX8
1.65E-01 0|0	Cs4g08220.1/Cs4g082	6	0	0	2	MASCOT	T	PLEX8
5.70E-02 0|0	Cs4g08220.1/Cs4g082	6	0	0	2	MASCOT	T	PLEX8
1.49E-01 0|0	Cs4g08220.1/Cs4g082	6	0	0	2	MASCOT	T	PLEX8
3.03E-01 0|0	Cs4g08220.1/Cs4g082	6	0	0	2	MASCOT	T	PLEX8
7.56E-02 0|0	Cs4g08220.1/Cs4g082	6	0	0	2	MASCOT	T	
4.14E-01 0|0	Cs4g08220.1/Cs4g082	5.4	0	0	2	MASCOT	T	PLEX8
8.16E-03 0|0	Cs2g24810.1 ! Cs4g08	8.76	0	0	2	MASCOT	T	PLEX8
8.62E-03 0|0	Cs4g08220.1/Cs4g082	4.54	0	0	2	MASCOT	T	PLEX8
1.57E-02 0|0	Cs4g08220.1/Cs4g082	4.54	0	0	2	MASCOT	T	PLEX8
1.06E-01 0|0	Cs4g08220.1/Cs4g082	5.32	0	0	2	MASCOT	T	PLEX8
1.78E-01 0|0	Cs4g08220.1/Cs4g082	5.32	0	0	2	MASCOT	T	PLEX8
5.55E-03 0|0	Cs4g08220.1/Cs4g082	5.96	1	0	2	MASCOT	T	PLEX8
2.91E-02 0|0	Cs4g08220.1/Cs4g082	5.96	1	0	2	MASCOT	T	PLEX8
4.38E-03 0|0	Cs4g08220.1/Cs4g082	5.96	1	0	2	MASCOT	T	PLEX8
4.58E-04 0|0	Cs4g08220.1/Cs4g082	4.65	0	0	2	MASCOT	T	PLEX8
5.56E-03 0|0	Cs4g08220.1/Cs4g082	4.65	0	0	2	MASCOT	T	PLEX8
4.63E-03 0|0	Cs4g08220.1/Cs4g082	4.65	0	0	2	MASCOT	T	PLEX8
4.54E-04 0|0	Cs4g08220.1/Cs4g082	4.65	0	0	2	MASCOT	T	PLEX8

3.58E-02	0|0	Cs4g08220.1/Cs4g082	5.5	0	0	2	MASCOT	T	PLEX8	
5.81E-03	0|0	Cs4g08220.1/Cs4g082	5.5	0	0	2	MASCOT	T	PLEX8	
9.01E-04	0|0	Cs4g08220.1/Cs4g082	5.5	0	0	2	MASCOT	T	PLEX8	
2.84E-01	0|0	Cs4g08220.1/Cs4g082	8.72	0	0	2	MASCOT	T	PLEX8	
5.62E-02	0|0	Cs4g08220.1/Cs4g082	4.21	0	0	2	MASCOT	T		
2.13E-03	0|0	Cs4g08220.1/Cs4g082	4.21	0	0	2	MASCOT	T		
8.60E-04	0|0	Cs4g08220.1/Cs4g082	5.84	0	0	2	MASCOT	T	PLEX8	
1.36E-05	0|0	Cs4g08220.1/Cs4g082	5.84	0	0	2	MASCOT	T	PLEX8	
1.61E-02	0|0	Cs4g08220.1/Cs4g082	4.37	0	0	2	MASCOT	T		
6.47E-03	0|0	Cs4g08220.1/Cs4g082	4.03	0	0	2	MASCOT	T	PLEX8	
2.93E-03	0|0	Cs4g08220.1/Cs4g082	4.03	0	0	2	MASCOT	T	PLEX8	
7.62E-02	0|0	Cs4g08220.1/Cs4g082	4.03	0	0	2	MASCOT	T	PLEX8	
1.36E-02	0|0	Cs4g08220.1/Cs4g082	4.03	0	0	2	MASCOT	T	PLEX8	
1.17E-04	0|0	Cs4g08220.1/Cs4g082	4.03	0	0	2	MASCOT	T	PLEX8	
1.85E-03	0|0	Cs4g08220.1/Cs4g082	4.03	0	0	2	MASCOT	T	PLEX8	
5.62E-03	0|0	Cs4g08220.1/Cs4g082	4.03	0	0	2	MASCOT	T	PLEX8	
4.73E-01	0|0	Cs4g08220.1/Cs4g082	4.03	0	0	2	MASCOT	T	PLEX8	
2.31E-01	0|0	Cs4g08220.1/Cs4g082	6.1	0	0	2	MASCOT	T	PLEX8	
1.44E-01	0|0	Cs4g08220.1/Cs4g082	6.1	0	0	2	MASCOT	T	PLEX8	
2.00E-01	0|0	Cs4g08220.1/Cs4g082	4.37	0	0	2	MASCOT	T	PLEX8	
2.08E-01	0|0	Cs4g08220.1/Cs4g082	4.37	0	0	2	MASCOT	T	PLEX8	
1.03E-01	0|0	Cs4g08220.1/Cs4g082	4.37	0	0	2	MASCOT	T	PLEX8	
1.41E-01	0|0	Cs8g05730.1	6.05	0	0	2	MASCOT	T	PLEX8	
1.34E-01	0|0	Cs8g05730.1	6.05	0	0	2	MASCOT	T	PLEX8	
9.43E-04	0|0	Cs8g05730.1	6.79	0	0	2	MASCOT	T	PLEX8	
1.13E-03	0|0	Cs8g05730.1	6.79	0	0	2	MASCOT	T	PLEX8	
1.38E-01	0|0	Cs8g05730.1	6.79	0	0	2	MASCOT	T		
1.97E-04	0|0	Cs8g05730.1	6.79	0	0	2	MASCOT	T		
2.16E-02	0|0	Cs8g05730.1	6.79	0	0	2	MASCOT	T		
1.25E-03	0|0	Cs8g05730.1	6.05	0	0	2	MASCOT	T	PLEX8	
5.74E-02	0|0	Cs8g05730.1	6.05	0	0	2	MASCOT	T	PLEX8	
1.84E-02	0|0	Cs8g05730.1	6.05	0	0	2	MASCOT	T	PLEX8	
1.36E-01	0|0	Cs8g05730.1	6.05	0	0	2	MASCOT	T	PLEX8	
5.90E-02	0|0	Cs8g05730.1	6.05	0	0	2	MASCOT	T	PLEX8	
2.14E-02	0|0	Cs8g05730.1	6.05	0	0	2	MASCOT	T	PLEX8	
1.46E-02	0|0	Cs8g05730.1	6.05	0	0	2	MASCOT	T	PLEX8	
1.91E-06	0|0	Cs8g05730.1	5.84	0	0	2	MASCOT	T		
1.07E-02	0|0	Cs8g05730.1	4.14	0	0	2	MASCOT	T	PLEX8	
7.03E-03	0|0	Cs8g05730.1	4.14	0	0	2	MASCOT	T		
9.66E-04	0|0	Cs8g05730.1	4.14	0	0	2	MASCOT	T	PLEX8	
1.92E-04	0|0	Cs8g05730.1	4.14	0	0	2	MASCOT	T	PLEX8	
2.57E-02	0|0	Cs8g05730.1	4.14	0	0	2	MASCOT	T	PLEX8	
5.06E-04	0|0	Cs8g05730.1	4.32	1	0	2	MASCOT	T	PLEX8	
6.50E-02	0|0	Cs8g05730.1	4.32	1	0	2	MASCOT	T	PLEX8	
1.30E-04	0|0	Cs8g05730.1	6.74	0	0	2	MASCOT	T		
9.55E-02	0|0	Cs8g05730.1	8.75	0	0	2	MASCOT	T	PLEX8	
2.63E-01	0|0	Cs8g05730.1	8.75	0	0	2	MASCOT	T	PLEX8	
4.55E-02	0|0	Cs8g05730.1	8.41	0	0	2	MASCOT	T		
1.41E-02	0|0	Cs8g05730.1	4.32	1	0	2	MASCOT	T	PLEX8	
1.83E-02	0|0	Cs8g05730.1	4.37	0	0	2	MASCOT	T	PLEX8	
3.55E-02	0|0	Cs8g05730.1	4.65	0	15.9	0	2	MASCOT	T	PLEX8

9.57E-02 0|0	Cs8g05730.1	4.65	0	15.9	0	2	MASCOT	T	PLEX8
2.56E-01 0|0	Cs8g05730.1	4.65	0	15.9	0	2	MASCOT	T	
7.71E-02 0|0	Cs8g05730.1	4.65	0	15.9	0	2	MASCOT	T	
2.26E-02 0|0	Cs8g05730.1	4.65	0		0	2	MASCOT	T	PLEX8
5.29E-02 0|0	Cs8g05730.1	4.65	0		0	2	MASCOT	T	PLEX8
5.55E-02 0|0	Cs8g05730.1	4.65	0		0	2	MASCOT	T	
1.96E-01 0|0	Cs8g05730.1	4.65	0		0	2	MASCOT	T	PLEX8
9.71E-03 0|0	Cs8g05730.1	4.65	0		0	2	MASCOT	T	
2.77E-02 0|0	Cs8g05730.1	6.05	0		0	2	MASCOT	T	PLEX8
1.13E-01 0|0	Cs8g05730.1	6.05	0		0	2	MASCOT	T	PLEX8
4.68E-02 0|0	Cs8g05730.1	6.05	0		0	2	MASCOT	T	PLEX8
2.92E-01 0|0	Cs8g05730.1	4.53	0		0	2	MASCOT	T	PLEX8
3.53E-01 0|0	Cs8g05730.1	4.53	0		0	2	MASCOT	T	PLEX8
6.41E-04 0|0	Cs8g05730.1	4.37	0		0	2	MASCOT	T	PLEX8
2.35E-02 0|0	Cs8g05730.1	4.37	0		0	2	MASCOT	T	PLEX8
2.44E-02 0|0	Cs8g05730.1	4.37	0		0	2	MASCOT	T	PLEX8
1.97E-03 0|0	Cs8g05730.1	3.77	0	15.9	0	2	MASCOT	T	PLEX8
2.33E-02 0|0	Cs8g05730.1	3.77	0		0	2	MASCOT	T	PLEX8
4.85E-03 0|0	Cs8g05730.1	3.77	0		0	2	MASCOT	T	
8.30E-04 0|0	Cs8g05730.1	3.77	0		0	2	MASCOT	T	
2.79E-03 0|0	Cs8g05730.1	9.76	0		0	2	MASCOT	T	PLEX8
2.14E-02 0|0	Cs8g05730.1	9.76	0		0	2	MASCOT	T	PLEX8
1.89E-04 0|0	Cs8g05730.1	4.23	1		0	2	MASCOT	T	
5.80E-04 0|0	Cs8g05730.1	4.75	0		0	2	MASCOT	T	PLEX8
2.63E-01 0|0	Cs8g05730.1	4.75	0		0	2	MASCOT	T	PLEX8
4.76E-05 0|0	Cs8g05730.1	4.75	0		0	2	MASCOT	T	PLEX8
5.78E-02 0|0	Cs8g05730.1	6.14	1		0	2	MASCOT	T	PLEX8
2.09E-02 0|0	Cs8g05730.1	6.14	1		0	2	MASCOT	T	PLEX8
7.26E-02 0|0	Cs8g05730.1	9.47	0		0	2	MASCOT	T	PLEX8
5.58E-03 0|0	Cs8g05730.1	4.37	0		0	2	MASCOT	T	PLEX8
3.53E-01 0|0	Cs8g05730.1	4.37	0		0	2	MASCOT	T	PLEX8
1.42E-01 0|0	Cs5g09320.1	6.79	0		0	2	MASCOT	T	PLEX8
3.69E-02 0|0	Cs5g09320.1	4.53	0		0	2	MASCOT	T	PLEX8
1.08E-03 0|0	Cs5g09320.1	4.53	0		0	2	MASCOT	T	PLEX8
7.06E-02 0|0	Cs5g09320.1	6.79	0		0	2	MASCOT	T	PLEX8
2.23E-02 0|0	Cs5g09320.1	6.79	0		0	2	MASCOT	T	PLEX8
2.58E-01 0|0	Cs5g09320.1	4.37	0		0	2	MASCOT	T	PLEX8
1.48E-01 0|0	Cs5g09320.1	4.37	0		0	2	MASCOT	T	PLEX8
7.33E-03 0|0	Cs5g09320.1	4.37	0		0	2	MASCOT	T	PLEX8
1.39E-01 0|0	Cs5g09320.1	4.37	0		0	2	MASCOT	T	PLEX8
6.07E-02 0|0	Cs5g09320.1	4.14	0		0	2	MASCOT	T	PLEX8
2.22E-03 0|0	Cs5g09320.1	4.14	0		0	2	MASCOT	T	PLEX8
6.05E-02 0|0	Cs5g09320.1	4.14	0		0	2	MASCOT	T	PLEX8
1.65E-02 0|0	Cs5g09320.1	6.1	0		0	2	MASCOT	T	PLEX8
1.08E-02 0|0	Cs5g09320.1	6.1	0		0	2	MASCOT	T	PLEX8
2.77E-03 0|0	Cs5g09320.1	4	0		0	2	MASCOT	T	PLEX8
3.77E-05 0|0	Cs5g09320.1	4	0		0	2	MASCOT	T	PLEX8
4.41E-03 0|0	Cs5g09320.1	8.75	0		0	2	MASCOT	T	PLEX8
1.29E-03 0|0	Cs5g09320.1	4.03	0		0	2	MASCOT	T	PLEX8
1.83E-06 0|0	Cs5g09320.1	4.37	0		0	2	MASCOT	T	
1.28E-04 0|0	Cs5g09320.1	4.37	0		0	2	MASCOT	T	

6.37E-06 0|0	Cs5g09320.1	4.37	0	0	2 MASCOT	T	
5.63E-04 0|0	Cs5g09320.1	4.54	0	0	2 MASCOT	T	PLEX8
5.08E-05 0|0	Cs5g09320.1	4.54	0	0	2 MASCOT	T	PLEX8
1.21E-01 0|0	Cs5g09320.1	4.14	0	0	2 MASCOT	T	PLEX8
5.29E-01 0|0	Cs5g09320.1	6	0	15.9	0	2 MASCOT	T PLEX8
1.94E-01 0|0	Cs5g09320.1	6	0	0	2 MASCOT	T	PLEX8
2.87E-01 0|0	Cs5g09320.1	6	0	0	2 MASCOT	T	PLEX8
1.71E-01 0|0	Cs5g09320.1	6	0	0	2 MASCOT	T	PLEX8
1.99E-03 0|0	Cs5g09320.1	9.75	0	15.9	0	2 MASCOT	T
5.55E-05 0|0	Cs5g09320.1	9.75	0	15.9	0	2 MASCOT	T PLEX8
7.47E-02 0|0	Cs5g09320.1	5.84	0	0	2 MASCOT	T	
2.30E-02 0|0	Cs5g09320.1	5.84	0	0	2 MASCOT	T	
7.53E-04 0|0	Cs5g09320.1	5.4	0	0	2 MASCOT	T	PLEX8
4.24E-02 0|0	Cs5g09320.1	5.4	0	0	2 MASCOT	T	PLEX8
2.14E-01 0|0	Cs5g09320.1	5.4	0	0	2 MASCOT	T	PLEX8
4.16E-03 0|0	Cs5g09320.1	6.05	0	0	2 MASCOT	T	PLEX8
3.32E-01 0|0	Cs5g09320.1	6.05	0	0	2 MASCOT	T	PLEX8
1.74E-02 0|0	Cs5g09320.1	6.05	0	0	2 MASCOT	T	PLEX8
3.26E-01 0|0	Cs5g09320.1	8.22	0	0	2 MASCOT	T	PLEX8
3.70E-01 0|0	Cs5g09320.1	8.22	0	0	2 MASCOT	T	PLEX8
6.46E-03 0|0	Cs5g09320.1	10	1	0	2 MASCOT	T	PLEX8
4.97E-03 0|0	Cs5g09320.1	10	1	0	2 MASCOT	T	PLEX8
6.30E-04 0|0	Cs5g09320.1	8.59	0	0	2 MASCOT	T	PLEX8
1.23E-01 0|0	Cs5g09320.1	8.59	0	0	2 MASCOT	T	PLEX8
5.49E-04 0|0	Cs5g09320.1	8.59	0	0	2 MASCOT	T	PLEX8
1.34E-04 0|0	Cs5g09320.1	4.37	0	0	2 MASCOT	T	PLEX8
3.77E-02 0|0	Cs5g09320.1	3.93	0	0	2 MASCOT	T	PLEX8
1.84E-02 0|0	Cs5g09320.1	3.93	0	0	2 MASCOT	T	
4.45E-02 0|0	Cs5g09320.1	3.93	0	0	2 MASCOT	T	PLEX8
1.78E-01 0|0	Cs5g09320.1	8.72	0	0	2 MASCOT	T	
1.66E-02 0|0	Cs8g17170.1	5.88	0	0	2 MASCOT	T	PLEX8
3.07E-01 0|0	Cs8g17170.1	5.88	0	0	2 MASCOT	T	PLEX8
3.24E-03 0|0	Cs8g17170.1	6.05	0	0	2 MASCOT	T	PLEX8
9.90E-02 0|0	Cs8g17170.1	8.8	0	0	2 MASCOT	T	PLEX8
1.96E-02 0|0	Cs8g17170.1	8.8	0	0	2 MASCOT	T	PLEX8
2.17E-02 0|0	Cs8g17170.1	8.8	0	0	2 MASCOT	T	PLEX8
1.57E-02 0|0	Cs8g17170.1	8.8	0	0	2 MASCOT	T	PLEX8
1.75E-02 0|0	Cs8g17170.1	8.8	0	0	2 MASCOT	T	PLEX8
3.24E-02 0|0	Cs8g17170.1	4.25	0	0	2 MASCOT	T	PLEX8
7.25E-02 0|0	Cs8g17170.1	4.53	0	0	2 MASCOT	T	PLEX8
1.74E-03 0|0	Cs8g17170.1	4.37	0	0	2 MASCOT	T	
2.51E-04 0|0	Cs8g17170.1	4.37	0	0	2 MASCOT	T	
9.24E-04 0|0	Cs8g17170.1	6.07	1	0	2 MASCOT	T	PLEX8
5.53E-03 0|0	Cs8g17170.1	4.21	0	0	2 MASCOT	T	
4.50E-02 0|0	Cs8g17170.1	8.75	0	0	2 MASCOT	T	PLEX8
2.43E-01 0|0	Cs8g17170.1	8.75	0	0	2 MASCOT	T	PLEX8
3.22E-02 0|0	Cs8g17170.1	4.37	0	0	2 MASCOT	T	PLEX8
9.16E-03 0|0	Cs8g17170.1	4.37	0	0	2 MASCOT	T	PLEX8
7.76E-02 0|0	Cs8g17170.1	4.37	0	0	2 MASCOT	T	PLEX8
3.32E-03 0|0	Cs8g17170.1	5.55	0	0	2 MASCOT	T	PLEX8
1.84E-03 0|0	Cs8g17170.1	5.55	0	0	2 MASCOT	T	PLEX8

2.10E-03 0|0	Cs8g17170.1	5.55	0	0	2 MASCOT	T	PLEX8
1.94E-03 0|0	Cs8g17170.1	5.55	0	0	2 MASCOT	T	PLEX8
6.32E-02 0|0	Cs8g17170.1	5.72	0 15.9	0	2 MASCOT	T	PLEX8
1.16E-02 0|0	Cs8g17170.1	5.72	0	0	2 MASCOT	T	PLEX8
4.97E-03 0|0	Cs8g17170.1	4.37	0	0	2 MASCOT	T	
1.14E-01 0|0	Cs8g17170.1	4.31	0	0	2 MASCOT	T	PLEX8
1.33E-03 0|0	Cs8g17170.1	4.31	0	0	2 MASCOT	T	PLEX8
7.85E-02 0|0	Cs8g17170.1	4.31	0	0	2 MASCOT	T	PLEX8
1.24E-01 0|0	Cs8g17170.1	9.72	0	0	2 MASCOT	T	PLEX8
4.45E-01 0|0	Cs8g17170.1	8.59	0	0	2 MASCOT	T	PLEX8
3.22E-02 0|0	Cs8g17170.1	8.59	0	0	2 MASCOT	T	PLEX8
2.68E-01 0|0	Cs8g17170.1	8.59	0	0	2 MASCOT	T	PLEX8
3.49E-02 0|0	Cs8g17170.1	8.59	0	0	2 MASCOT	T	PLEX8
1.29E-02 0|0	Cs8g17170.1	8.59	0	0	2 MASCOT	T	PLEX8
2.27E-03 0|0	Cs8g17170.1	6	0	0	2 MASCOT	T	PLEX8
1.15E-02 0|0	Cs8g17170.1	6	0	0	2 MASCOT	T	PLEX8
4.98E-03 0|0	Cs8g17170.1	6	0	0	2 MASCOT	T	PLEX8
8.63E-03 0|0	Cs8g17170.1	6	0	0	2 MASCOT	T	PLEX8
3.35E-04 0|0	Cs8g17170.1	5.84	0	0	2 MASCOT	T	
7.17E-02 0|0	Cs8g17170.1	8.59	0	0	2 MASCOT	T	PLEX8
2.57E-02 0|0	Cs8g17170.1	8.59	0	0	2 MASCOT	T	PLEX8
1.06E-01 0|0	Cs8g17170.1	8.59	0	0	2 MASCOT	T	PLEX8
5.99E-02 0|0	Cs8g17170.1	8.59	0	0	2 MASCOT	T	PLEX8
1.13E-02 0|0	Cs8g17170.1	8.34	0	0	2 MASCOT	T	PLEX8
1.29E-04 0|0	Cs8g17170.1	8.34	0	0	2 MASCOT	T	PLEX8
1.50E-02 0|0	Cs8g17170.1	8.34	0	0	2 MASCOT	T	PLEX8
1.18E-04 0|0	Cs8g17170.1	5.71	0	0	2 MASCOT	T	PLEX8
1.17E-01 0|0	Cs8g17170.1	5.66	0	0	2 MASCOT	T	PLEX8
8.00E-02 0|0	Cs3g22850.1/Cs3g228	6.05	0	0	2 MASCOT	T	PLEX8
6.02E-02 0|0	Cs3g22850.1/Cs3g228	6.05	0	0	2 MASCOT	T	PLEX8
5.80E-02 0|0	Cs3g22850.1/Cs3g228	4.25	0	0	2 MASCOT	T	PLEX8
2.79E-04 0|0	Cs3g22850.1/Cs3g228	4.25	0	0	2 MASCOT	T	PLEX8
6.20E-04 0|0	Cs3g22850.1/Cs3g228	4.25	0	0	2 MASCOT	T	PLEX8
1.03E-02 0|0	Cs3g22850.1/Cs3g228	4	0	0	2 MASCOT	T	PLEX8
3.57E-03 0|0	Cs3g22850.1/Cs3g228	4	0	0	2 MASCOT	T	PLEX8
1.61E-01 0|0	Cs3g22850.1/Cs3g228	4.25	0	0	2 MASCOT	T	PLEX8
2.27E-01 0|0	Cs3g22850.1/Cs3g228	4.25	0	0	2 MASCOT	T	PLEX8
2.10E-03 0|0	Cs3g22850.1/Cs3g228	4	0	0	2 MASCOT	T	
7.12E-03 0|0	Cs3g22850.1/Cs3g228	5.4	0	0	2 MASCOT	T	PLEX8
1.46E-03 0|0	Cs3g22850.1/Cs3g228	5.4	0	0	2 MASCOT	T	PLEX8
3.60E-02 0|0	Cs3g22850.1/Cs3g228	5.4	0	0	2 MASCOT	T	PLEX8
4.39E-02 0|0	Cs3g22850.1/Cs3g228	5.4	0	0	2 MASCOT	T	PLEX8
1.09E-03 0|0	Cs3g22850.1/Cs3g228	5.4	0	0	2 MASCOT	T	PLEX8
1.64E-01 0|0	Cs3g22850.1/Cs3g228	4.31	0	0	2 MASCOT	T	PLEX8
2.12E-02 0|0	Cs3g22850.1/Cs3g228	4.49	1	0	2 MASCOT	T	PLEX8
8.37E-02 0|0	Cs3g22850.1/Cs3g228	4.49	1	0	2 MASCOT	T	
1.16E-01 0|0	Cs3g22850.1/Cs3g228	6.75	0	0	2 MASCOT	T	PLEX8
2.64E-02 0|0	Cs3g22850.1/Cs3g228	6.75	0	0	2 MASCOT	T	PLEX8
8.11E-02 0|0	Cs3g22850.1/Cs3g228	6.14	0	0	2 MASCOT	T	PLEX8
2.31E-02 0|0	Cs3g22850.1/Cs3g228	5.84	0	0	2 MASCOT	T	PLEX8
2.02E-02 0|0	Cs3g22850.1/Cs3g228	5.84	0	0	2 MASCOT	T	PLEX8

8.79E-03	0|0	Cs3g22850.1/Cs3g228	5.84	0	0	2	MASCOT	T	PLEX8	
2.06E-03	0|0	Cs3g22850.1/Cs3g228	5.84	0	0	2	MASCOT	T	PLEX8	
1.43E-03	0|0	Cs3g22850.1/Cs3g228	5.84	0	0	2	MASCOT	T	PLEX8	
1.48E-02	0|0	Cs3g22850.1	4.03	0	0	2	MASCOT	T		
9.71E-06	0|0	Cs3g22850.1	4.03	0	0	2	MASCOT	T		
2.00E-03	0|0	Cs3g22850.1/Cs3g228	4.03	0	0	2	MASCOT	T	PLEX8	
1.02E-03	0|0	Cs3g22850.1/Cs3g228	4.03	0	0	2	MASCOT	T	PLEX8	
2.39E-03	0|0	Cs3g22850.1/Cs3g228	4.03	0	0	2	MASCOT	T	PLEX8	
3.74E-02	0|0	Cs3g22850.1/Cs3g228	6.71	0	0	2	MASCOT	T	PLEX8	
4.01E-01	0|0	Cs3g22850.1/Cs3g228	6.71	0	0	2	MASCOT	T	PLEX8	
7.30E-03	0|0	Cs3g22850.1	5.81	0	0	2	MASCOT	T	PLEX8	
4.60E-03	0|0	Cs3g22850.1	5.81	0	0	2	MASCOT	T	PLEX8	
1.85E-01	0|0	Cs3g22850.1/Cs3g228	6	0	0	2	MASCOT	T	PLEX8	
1.92E-03	0|0	Cs3g22850.1/Cs3g228	6	0	0	2	MASCOT	T	PLEX8	
8.65E-02	0|0	Cs3g22850.1/Cs3g228	6	0	0	2	MASCOT	T		
1.75E-02	0|0	Cs3g22850.1	4.53	0	0	2	MASCOT	T		
4.81E-01	0|0	Cs3g22850.1/Cs3g228	4.25	0	0	2	MASCOT	T	PLEX8	
1.45E-01	0|0	Cs3g22850.1/Cs3g228	5.32	0	0	2	MASCOT	T	PLEX8	
7.80E-02	0|0	Cs3g22850.1/Cs3g228	5.32	0	0	2	MASCOT	T		
8.23E-02	0|0	Cs3g22850.1	4.56	1	0	2	MASCOT	T	PLEX8	
2.84E-01	0|0	Cs1g19390.1/Cs1g193	9.5	0	15.9	0	2	MASCOT	T	PLEX8
1.20E-01	0|0	Cs3g22850.1/Cs3g228	5.55	0	0	2	MASCOT	T	PLEX8	
1.20E-01	0|0	Cs3g22850.1/Cs3g228	5.55	0	0	2	MASCOT	T	PLEX8	
2.10E-02	0|0	Cs3g22850.1	5.72	0	0	2	MASCOT	T	PLEX8	
3.39E-02	0|0	Cs3g22850.1	5.72	0	0	2	MASCOT	T	PLEX8	
1.62E-01	0|0	Cs7g30890.1	5.32	0	0	2	MASCOT	T	PLEX8	
1.61E-02	0|0	Cs7g30890.1	4.25	0	0	2	MASCOT	T		
2.71E-04	0|0	Cs7g30890.1	4.25	0	0	2	MASCOT	T		
3.82E-02	0|0	Cs7g30890.1	5.4	0	15.9	0	2	MASCOT	T	PLEX8
2.99E-02	0|0	Cs7g30890.1	5.4	0	15.9	0	2	MASCOT	T	PLEX8
1.25E-01	0|0	Cs7g30890.1	8.75	0	0	2	MASCOT	T	PLEX8	
7.75E-02	0|0	Cs7g30890.1	8.75	0	0	2	MASCOT	T	PLEX8	
3.51E-02	0|0	Cs7g30890.1	8.6	0	0	2	MASCOT	T	PLEX8	
2.93E-01	0|0	Cs7g30890.1	6	0	0	2	MASCOT	T	PLEX8	
2.87E-02	0|0	Cs7g30890.1	5.84	0	0	2	MASCOT	T	PLEX8	
1.85E-01	0|0	Cs7g30890.1	8.75	0	0	2	MASCOT	T	PLEX8	
1.02E-04	0|0	Cs7g30890.1	8.75	1	0	2	MASCOT	T	PLEX8	
1.09E-04	0|0	Cs7g30890.1	8.75	1	0	2	MASCOT	T	PLEX8	
1.45E-02	0|0	Cs7g30890.1	8.75	1	0	2	MASCOT	T	PLEX8	
2.53E-02	0|0	Cs7g30890.1	8.47	0	0	2	MASCOT	T	PLEX8	
3.64E-02	0|0	Cs7g30890.1	5.72	0	0	2	MASCOT	T	PLEX8	
2.03E-02	0|0	Cs7g30890.1	5.72	0	0	2	MASCOT	T	PLEX8	
5.25E-02	0|0	Cs7g30890.1	5.72	0	0	2	MASCOT	T	PLEX8	
1.95E-01	0|0	Cs7g30890.1	6	0	0	2	MASCOT	T	PLEX8	
2.17E-01	0|0	Cs7g30890.1	6	0	0	2	MASCOT	T	PLEX8	
3.51E-04	0|0	Cs7g30890.1	4.22	0	0	2	MASCOT	T	PLEX8	
8.80E-03	0|0	Cs7g30890.1	4.22	0	0	2	MASCOT	T	PLEX8	
1.75E-03	0|0	Cs7g30890.1	4.22	0	0	2	MASCOT	T	PLEX8	
1.45E-04	0|0	Cs7g30890.1	4.22	0	0	2	MASCOT	T		
2.27E-04	0|0	Cs7g30890.1	4.22	0	0	2	MASCOT	T		
9.88E-03	0|0	Cs7g30890.1	5.32	0	0	2	MASCOT	T	PLEX8	

1.29E-01 0|0	Cs7g30890.1	4.14	0	0	2 MASCOT	T	PLEX8
9.05E-02 0|0	Cs7g30890.1	4.14	0	0	2 MASCOT	T	PLEX8
1.09E-02 0|0	Cs7g30890.1	6	0	0	2 MASCOT	T	PLEX8
1.47E-01 0|0	Cs7g30890.1	6	0	0	2 MASCOT	T	PLEX8
2.72E-05 0|0	Cs7g30890.1	6	0	0	2 MASCOT	T	PLEX8
2.64E-02 0|0	Cs7g30890.1	6	0	0	2 MASCOT	T	
6.76E-06 0|0	Cs7g30890.1	6	0	0	2 MASCOT	T	
2.00E-01 0|0	Cs7g30890.1	5.99	0	0	2 MASCOT	T	PLEX8
6.48E-02 0|0	Cs7g30890.1	8.75	0	0	2 MASCOT	T	PLEX8
1.25E-01 0|0	Cs7g30890.1	4.37	0	0	2 MASCOT	T	
8.74E-02 0|0	Cs7g30890.1	6.47	0	0	2 MASCOT	T	PLEX8
1.28E-03 0|0	Cs7g30890.1	8.26	0	0	2 MASCOT	T	PLEX8
8.21E-02 0|0	Cs7g30890.1	8.47	0	0	2 MASCOT	T	PLEX8
1.80E-03 0|0	orange1.1t00226.1/ora	4.53	0	0	2 MASCOT	T	PLEX8
1.02E-04 0|0	orange1.1t00226.1/ora	4.53	0	0	2 MASCOT	T	PLEX8
1.32E-02 0|0	orange1.1t00226.1/ora	4.53	0	0	2 MASCOT	T	PLEX8
9.63E-05 0|0	orange1.1t00226.1/ora	4.53	0	0	2 MASCOT	T	PLEX8
1.12E-01 0|0	orange1.1t00226.1/ora	4.53	0	0	2 MASCOT	T	PLEX8
8.67E-03 0|0	orange1.1t00226.1/ora	5.99	0	0	2 MASCOT	T	
2.68E-02 0|0	orange1.1t00226.1/ora	8.64	0	0	2 MASCOT	T	PLEX8
3.08E-03 0|0	orange1.1t00226.1/ora	8.64	0	0	2 MASCOT	T	PLEX8
6.19E-03 0|0	orange1.1t00226.1/ora	8.64	0	0	2 MASCOT	T	PLEX8
8.26E-03 0|0	orange1.1t00226.1/ora	8.64	0	0	2 MASCOT	T	PLEX8
6.54E-02 0|0	orange1.1t00226.1/ora	8.64	0	0	2 MASCOT	T	PLEX8
1.02E-05 0|0	orange1.1t00226.1/ora	8.64	0	0	2 MASCOT	T	PLEX8
5.31E-03 0|0	orange1.1t00226.1/ora	8.64	0	0	2 MASCOT	T	
3.29E-01 0|0	orange1.1t00226.1/ora	8.64	0	0	2 MASCOT	T	
1.09E-01 0|0	orange1.1t00226.1/ora	8.64	0	0	2 MASCOT	T	
8.59E-02 0|0	orange1.1t00226.1/ora	8.79	0	0	2 MASCOT	T	PLEX8
6.22E-02 0|0	orange1.1t00226.1/ora	8.79	0	0	2 MASCOT	T	PLEX8
6.36E-02 0|0	orange1.1t00226.1/ora	4.53	0	0	2 MASCOT	T	PLEX8
2.48E-01 0|0	orange1.1t00226.1/ora	6.1	0	0	2 MASCOT	T	PLEX8
7.49E-03 0|0	orange1.1t00226.1/ora	6.1	0	0	2 MASCOT	T	
9.33E-03 0|0	orange1.1t00226.1/ora	6.1	0	0	2 MASCOT	T	
2.46E-03 0|0	orange1.1t00226.1/ora	6.1	0	0	2 MASCOT	T	
6.98E-03 0|0	orange1.1t00226.1/ora	6.1	0	0	2 MASCOT	T	
1.98E-06 0|0	orange1.1t00226.1/ora	6.1	0	0	2 MASCOT	T	
1.23E-02 0|0	orange1.1t00226.1/ora	6.1	0	0	2 MASCOT	T	
3.06E-05 0|0	orange1.1t00226.1/ora	6.1	0	0	2 MASCOT	T	
1.66E-02 0|0	orange1.1t00226.1/ora	6.1	0	0	2 MASCOT	T	
2.52E-01 0|0	orange1.1t00226.1/ora	6.1	0	0	2 MASCOT	T	
1.79E-03 0|0	orange1.1t00226.1/ora	6.1	0	0	2 MASCOT	T	
6.12E-02 0|0	orange1.1t00226.1/ora	6.1	0	0	2 MASCOT	T	
1.76E-01 0|0	orange1.1t00226.1/ora	6.1	0	0	2 MASCOT	T	
3.17E-01 0|0	orange1.1t00226.1/ora	4.53	0	0	2 MASCOT	T	PLEX8
1.44E-01 0|0	orange1.1t00226.1/ora	4.53	0	0	2 MASCOT	T	
2.19E-01 0|0	orange1.1t00226.1/ora	4.53	0	0	2 MASCOT	T	PLEX8
2.65E-01 0|0	orange1.1t00226.1/ora	4.53	0	0	2 MASCOT	T	
1.99E-01 0|0	orange1.1t00226.1/ora	5.32	0	0	2 MASCOT	T	PLEX8
1.45E-03 0|0	orange1.1t00226.1/ora	5.32	0	0	2 MASCOT	T	PLEX8
1.88E-03 0|0	orange1.1t00226.1/ora	5.32	0	0	2 MASCOT	T	PLEX8

3.24E-02 0|0	orange1.1t00226.1/ora	5.32	0	0	2	MASCOT	T	PLEX8
3.31E-02 0|0	orange1.1t00226.1/ora	5.32	0	0	2	MASCOT	T	PLEX8
1.16E-02 0|0	orange1.1t00226.1/ora	5.32	0	0	2	MASCOT	T	PLEX8
5.73E-02 0|0	orange1.1t00226.1/ora	5.32	0	0	2	MASCOT	T	PLEX8
8.08E-03 0|0	orange1.1t00226.1/ora	5.32	0	0	2	MASCOT	T	PLEX8
1.65E-05 0|0	orange1.1t00226.1/ora	5.32	0	0	2	MASCOT	T	PLEX8
9.14E-06 0|0	orange1.1t00226.1/ora	5.32	0	0	2	MASCOT	T	PLEX8
1.92E-05 0|0	orange1.1t00226.1/ora	5.32	0	0	2	MASCOT	T	PLEX8
4.96E-06 0|0	orange1.1t00226.1/ora	5.32	0	0	2	MASCOT	T	PLEX8
3.81E-05 0|0	orange1.1t00226.1/ora	5.32	0	0	2	MASCOT	T	
1.04E-05 0|0	orange1.1t00226.1/ora	5.32	0	0	2	MASCOT	T	
1.60E-01 0|0	orange1.1t00226.1/ora	5.59	0	0	2	MASCOT	T	PLEX8
1.26E-01 0|0	orange1.1t00226.1/ora	5.59	0	0	2	MASCOT	T	PLEX8
1.52E-01 0|0	orange1.1t00226.1/ora	5.59	0	0	2	MASCOT	T	PLEX8
1.86E-02 0|0	orange1.1t00226.1/ora	4.21	0	0	2	MASCOT	T	PLEX8
2.11E-02 0|0	orange1.1t00226.1/ora	4.21	0	0	2	MASCOT	T	PLEX8
3.58E-03 0|0	orange1.1t00226.1/ora	4.21	0	0	2	MASCOT	T	PLEX8
4.64E-03 0|0	orange1.1t00226.1/ora	4.21	0	0	2	MASCOT	T	
3.65E-03 0|0	orange1.1t00226.1/ora	4.21	0	0	2	MASCOT	T	PLEX8
1.30E-02 0|0	orange1.1t00226.1/ora	4.65	0	0	2	MASCOT	T	PLEX8
1.64E-03 0|0	orange1.1t00226.1/ora	4.65	0	0	2	MASCOT	T	PLEX8
1.55E-01 0|0	orange1.1t00226.1/ora	4.65	0	0	2	MASCOT	T	PLEX8
1.46E-01 0|0	orange1.1t00226.1/ora	12	0	0	2	MASCOT	T	PLEX8
2.10E-01 0|0	orange1.1t00226.1/ora	12	0	0	2	MASCOT	T	PLEX8
1.79E-04 0|0	orange1.1t00226.1/ora	12	0	0	2	MASCOT	T	PLEX8
1.27E-01 0|0	orange1.1t00226.1/ora	12	0	0	2	MASCOT	T	PLEX8
8.09E-02 0|0	orange1.1t00226.1/ora	12	0	0	2	MASCOT	T	PLEX8
2.06E-04 0|0	orange1.1t00226.1/ora	12	0	0	2	MASCOT	T	PLEX8
2.11E-04 0|0	orange1.1t00226.1/ora	12	0	0	2	MASCOT	T	PLEX8
3.96E-04 0|0	orange1.1t00226.1/ora	12	0	0	2	MASCOT	T	PLEX8
1.61E-02 0|0	orange1.1t00226.1/ora	12	0	0	2	MASCOT	T	PLEX8
1.41E-03 0|0	orange1.1t00226.1/ora	12	0	0	2	MASCOT	T	PLEX8
5.72E-05 0|0	orange1.1t00226.1/ora	12	0	0	2	MASCOT	T	PLEX8
6.51E-03 0|0	orange1.1t00226.1/ora	12	0	0	2	MASCOT	T	
1.52E-03 0|0	orange1.1t00226.1/ora	12	0	0	2	MASCOT	T	
1.74E-01 0|0	orange1.1t00226.1/ora	12	0	0	2	MASCOT	T	
1.17E-01 0|0	orange1.1t00226.1/ora	12	0	0	2	MASCOT	T	PLEX8
7.55E-02 0|0	orange1.1t00226.1/ora	12	0	0	2	MASCOT	T	
1.82E-04 0|0	orange1.1t00226.1/ora	12	0	0	2	MASCOT	T	
6.75E-03 0|0	orange1.1t00226.1/ora	5.72	0	0	2	MASCOT	T	PLEX8
3.40E-01 0|0	orange1.1t00226.1/ora	5.72	0	0	2	MASCOT	T	PLEX8
3.32E-02 0|0	orange1.1t00226.1/ora	5.72	0	0	2	MASCOT	T	PLEX8
3.64E-02 0|0	orange1.1t00226.1/ora	5.72	0	0	2	MASCOT	T	PLEX8
2.70E-03 0|0	orange1.1t00226.1/ora	5.72	0	0	2	MASCOT	T	PLEX8
5.39E-06 0|0	orange1.1t00226.1/ora	5.72	0	0	2	MASCOT	T	PLEX8
1.57E-01 0|0	orange1.1t00226.1/ora	5.72	0	0	2	MASCOT	T	PLEX8
1.45E-07 0|0	orange1.1t00226.1/ora	5.72	0	0	2	MASCOT	T	PLEX8
6.90E-02 0|0	orange1.1t00226.1/ora	5.72	0	0	2	MASCOT	T	PLEX8
6.70E-07 0|0	orange1.1t00226.1/ora	5.72	0	0	2	MASCOT	T	PLEX8
1.14E-01 0|0	orange1.1t00226.1/ora	5.72	0	0	2	MASCOT	T	PLEX8
4.06E-03 0|0	orange1.1t00226.1/ora	5.72	0	0	2	MASCOT	T	PLEX8

1.99E-03	0|0	orange1.1t00226.1/ora	5.72	0	0	2	MASCOT	T	PLEX8	
1.88E-06	0|0	orange1.1t00226.1/ora	5.72	0	0	2	MASCOT	T	PLEX8	
2.45E-05	0|0	orange1.1t00226.1/ora	5.72	0	0	2	MASCOT	T	PLEX8	
1.21E-04	0|0	orange1.1t00226.1/ora	5.72	0	0	2	MASCOT	T	PLEX8	
8.66E-04	0|0	orange1.1t00226.1/ora	5.72	0	0	2	MASCOT	T	PLEX8	
1.84E-01	0|0	orange1.1t00226.1/ora	4.25	0	0	2	MASCOT	T	PLEX8	
1.66E-01	0|0	orange1.1t00226.1/ora	4.25	0	0	2	MASCOT	T	PLEX8	
1.30E-01	0|0	orange1.1t00226.1/ora	4.25	0	0	2	MASCOT	T	PLEX8	
2.51E-01	0|0	orange1.1t00226.1/ora	4.25	0	0	2	MASCOT	T	PLEX8	
6.42E-02	0|0	orange1.1t00226.1/ora	4.25	0	0	2	MASCOT	T	PLEX8	
6.99E-02	0|0	orange1.1t00226.1/ora	4.25	0	0	2	MASCOT	T	PLEX8	
2.78E-02	0|0	orange1.1t00226.1/ora	6.11	0	15.9	0	2	MASCOT	T	PLEX8
1.89E-02	0|0	orange1.1t00226.1/ora	6.11	0	15.9	0	2	MASCOT	T	PLEX8
2.15E-03	0|0	orange1.1t00226.1/ora	6.11	0	15.9	0	2	MASCOT	T	PLEX8
5.47E-02	0|0	orange1.1t00226.1/ora	6.11	0	15.9	0	2	MASCOT	T	PLEX8
8.42E-03	0|0	orange1.1t00226.1/ora	6.11	0	0	2	MASCOT	T	PLEX8	
2.14E-01	0|0	orange1.1t00226.1/ora	6.11	0	0	2	MASCOT	T	PLEX8	
2.99E-01	0|0	orange1.1t00226.1/ora	6.11	0	0	2	MASCOT	T	PLEX8	
2.53E-02	0|0	orange1.1t00226.1/ora	6.11	0	0	2	MASCOT	T		
3.84E-01	0|0	orange1.1t00226.1/ora	8.75	0	0	2	MASCOT	T	PLEX8	
3.40E-03	0|0	orange1.1t00226.1/ora	8.75	0	0	2	MASCOT	T	PLEX8	
1.00E-02	0|0	orange1.1t00226.1/ora	8.75	0	0	2	MASCOT	T	PLEX8	
8.80E-03	0|0	orange1.1t00226.1/ora	8.75	0	0	2	MASCOT	T	PLEX8	
5.56E-03	0|0	orange1.1t00226.1/ora	8.75	0	0	2	MASCOT	T	PLEX8	
2.74E-01	0|0	orange1.1t00226.1/ora	8.75	0	0	2	MASCOT	T	PLEX8	
1.85E-01	0|0	orange1.1t00226.1/ora	8.75	0	0	2	MASCOT	T	PLEX8	
3.72E-01	0|0	orange1.1t00226.1/ora	8.75	0	0	2	MASCOT	T	PLEX8	
2.25E-01	0|0	orange1.1t00226.1/ora	8.75	0	0	2	MASCOT	T	PLEX8	
2.72E-01	0|0	orange1.1t00226.1/ora	8.75	0	0	2	MASCOT	T	PLEX8	
3.48E-03	0|0	orange1.1t00226.1/ora	8.75	0	0	2	MASCOT	T	PLEX8	
1.02E-01	0|0	orange1.1t00226.1/ora	8.75	0	0	2	MASCOT	T	PLEX8	
2.06E-01	0|0	orange1.1t00226.1/ora	8.75	0	0	2	MASCOT	T	PLEX8	
4.15E-01	0|0	orange1.1t00226.1/ora	8.75	0	0	2	MASCOT	T	PLEX8	
3.25E-01	0|0	orange1.1t00226.1/ora	8.75	0	0	2	MASCOT	T	PLEX8	
5.98E-01	0|0	orange1.1t00226.1/ora	8.75	0	0	2	MASCOT	T		
1.53E-01	0|0	orange1.1t00226.1/ora	8.75	0	0	2	MASCOT	T		
5.84E-04	0|0	orange1.1t00226.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
2.11E-03	0|0	orange1.1t00226.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
6.14E-03	0|0	orange1.1t00226.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
6.46E-04	0|0	orange1.1t00226.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
1.59E-03	0|0	orange1.1t00226.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
1.11E-02	0|0	orange1.1t00226.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
6.08E-04	0|0	orange1.1t00226.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
7.03E-04	0|0	orange1.1t00226.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
6.80E-04	0|0	orange1.1t00226.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
5.97E-03	0|0	orange1.1t00226.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
1.87E-02	0|0	orange1.1t00226.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
4.19E-04	0|0	orange1.1t00226.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
5.99E-03	0|0	orange1.1t00226.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
6.99E-03	0|0	orange1.1t00226.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
1.33E-01	0|0	orange1.1t00226.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	

6.18E-03	0|0	orange1.1t00226.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
8.58E-03	0|0	orange1.1t00226.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
3.23E-03	0|0	orange1.1t00226.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
6.26E-04	0|0	orange1.1t00226.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
5.85E-03	0|0	orange1.1t00226.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
5.06E-02	0|0	orange1.1t00226.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
1.03E-03	0|0	orange1.1t00226.1/ora	4.37	0	0	2	MASCOT	T	
3.17E-02	0|0	orange1.1t00226.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
1.51E-03	0|0	orange1.1t00226.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
8.84E-03	0|0	orange1.1t00226.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
6.48E-04	0|0	orange1.1t00226.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
6.15E-03	0|0	orange1.1t00226.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
1.87E-02	0|0	orange1.1t00226.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
1.07E-02	0|0	orange1.1t00226.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
1.19E-03	0|0	orange1.1t00226.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
5.27E-04	0|0	orange1.1t00226.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
1.39E-01	0|0	orange1.1t00226.1/ora	4.37	0	0	2	MASCOT	T	
1.36E-03	0|0	orange1.1t00226.1/ora	4.37	0	0	2	MASCOT	T	
5.14E-05	0|0	orange1.1t00226.1/ora	4.75	0	0	2	MASCOT	T	PLEX8
3.52E-01	0|0	orange1.1t00226.1/ora	4.75	0	0	2	MASCOT	T	PLEX8
1.99E-04	0|0	orange1.1t00226.1/ora	4.75	0	0	2	MASCOT	T	PLEX8
7.45E-05	0|0	orange1.1t00226.1/ora	4.75	0	0	2	MASCOT	T	PLEX8
2.06E-01	0|0	orange1.1t00226.1/ora	8.22	0	0	2	MASCOT	T	PLEX8
1.17E-02	0|0	orange1.1t00226.1/ora	8.22	0	0	2	MASCOT	T	PLEX8
4.45E-03	0|0	orange1.1t00226.1/ora	8.22	0	0	2	MASCOT	T	PLEX8
7.26E-06	0|0	orange1.1t00226.1/ora	8.22	0	0	2	MASCOT	T	PLEX8
1.30E-03	0|0	orange1.1t00226.1/ora	8.22	0	0	2	MASCOT	T	PLEX8
4.09E-03	0|0	orange1.1t00226.1/ora	8.22	0	0	2	MASCOT	T	PLEX8
1.97E-04	0|0	orange1.1t00226.1/ora	8.22	0	0	2	MASCOT	T	PLEX8
1.01E-01	0|0	orange1.1t00226.1/ora	8.22	0	0	2	MASCOT	T	PLEX8
3.42E-04	0|0	orange1.1t00226.1/ora	8.22	0	0	2	MASCOT	T	PLEX8
1.44E-01	0|0	orange1.1t00226.1/ora	8.22	0	0	2	MASCOT	T	PLEX8
3.25E-01	0|0	orange1.1t00226.1/ora	8.22	0	0	2	MASCOT	T	PLEX8
2.89E-01	0|0	orange1.1t00226.1/ora	8.22	0	0	2	MASCOT	T	PLEX8
1.26E-02	0|0	orange1.1t00226.1/ora	8.22	0	0	2	MASCOT	T	PLEX8
3.78E-06	0|0	orange1.1t00226.1/ora	8.22	0	0	2	MASCOT	T	PLEX8
9.20E-06	0|0	orange1.1t00226.1/ora	8.22	0	0	2	MASCOT	T	PLEX8
1.26E-02	0|0	orange1.1t00226.1/ora	8.22	0	0	2	MASCOT	T	PLEX8
4.79E-03	0|0	orange1.1t00226.1/ora	8.22	0	0	2	MASCOT	T	PLEX8
3.65E-02	0|0	orange1.1t00226.1/ora	8.22	0	0	2	MASCOT	T	PLEX8
9.38E-03	0|0	orange1.1t00226.1/ora	8.22	0	0	2	MASCOT	T	PLEX8
1.19E-03	0|0	orange1.1t00226.1/ora	8.22	0	0	2	MASCOT	T	PLEX8
1.87E-01	0|0	orange1.1t00226.1/ora	8.22	0	0	2	MASCOT	T	PLEX8
2.50E-03	0|0	orange1.1t00226.1/ora	8.22	0	0	2	MASCOT	T	PLEX8
3.61E-01	0|0	orange1.1t00226.1/ora	8.22	0	0	2	MASCOT	T	PLEX8
1.37E-02	0|0	orange1.1t00226.1/ora	8.22	0	0	2	MASCOT	T	PLEX8
1.35E-01	0|0	orange1.1t00226.1/ora	8.22	0	0	2	MASCOT	T	
1.63E-03	0|0	orange1.1t00226.1/ora	6.75	1	0	2	MASCOT	T	PLEX8
7.61E-05	0|0	orange1.1t00226.1/ora	4.53	0	0	2	MASCOT	T	PLEX8
1.36E-03	0|0	orange1.1t00226.1/ora	4.53	0	0	2	MASCOT	T	PLEX8
4.43E-01	0|0	orange1.1t00226.1/ora	8.72	0	0	2	MASCOT	T	PLEX8

3.55E-01	0|0	orange1.1t00226.1/ora	8.72	0	0	2	MASCOT	T	PLEX8
4.62E-01	0|0	orange1.1t00226.1/ora	8.72	0	0	2	MASCOT	T	PLEX8
1.25E-01	0|0	orange1.1t00226.1/ora	8.72	0	0	2	MASCOT	T	PLEX8
1.61E-01	0|0	orange1.1t00226.1/ora	8.72	0	0	2	MASCOT	T	PLEX8
4.57E-03	0|0	orange1.1t00226.1/ora	8.72	0	0	2	MASCOT	T	PLEX8
1.60E-03	0|0	orange1.1t00226.1/ora	8.72	0	0	2	MASCOT	T	PLEX8
9.01E-02	0|0	orange1.1t00226.1/ora	8.72	0	0	2	MASCOT	T	PLEX8
8.82E-05	0|0	orange1.1t00226.1/ora	8.72	0	0	2	MASCOT	T	PLEX8
1.06E-04	0|0	orange1.1t00226.1/ora	8.72	0	0	2	MASCOT	T	PLEX8
3.70E-05	0|0	orange1.1t00226.1/ora	8.72	0	0	2	MASCOT	T	PLEX8
2.86E-03	0|0	orange1.1t00226.1/ora	8.72	0	0	2	MASCOT	T	PLEX8
2.12E-04	0|0	orange1.1t00226.1/ora	8.72	0	0	2	MASCOT	T	PLEX8
1.76E-01	0|0	orange1.1t00226.1/ora	8.72	0	0	2	MASCOT	T	PLEX8
3.55E-03	0|0	orange1.1t00226.1/ora	8.72	0	0	2	MASCOT	T	PLEX8
3.53E-05	0|0	orange1.1t00226.1/ora	8.72	0	0	2	MASCOT	T	PLEX8
5.66E-03	0|0	orange1.1t00226.1/ora	8.72	0	0	2	MASCOT	T	PLEX8
1.07E-03	0|0	orange1.1t00226.1/ora	8.72	0	0	2	MASCOT	T	
1.51E-01	0|0	orange1.1t00226.1/ora	8.72	0	0	2	MASCOT	T	PLEX8
1.63E-03	0|0	orange1.1t00226.1/ora	8.72	0	0	2	MASCOT	T	PLEX8
1.57E-02	0|0	orange1.1t00226.1/ora	8.72	0	0	2	MASCOT	T	PLEX8
4.10E-03	0|0	orange1.1t00226.1/ora	8.72	0	0	2	MASCOT	T	PLEX8
2.43E-01	0|0	orange1.1t00226.1/ora	8.72	0	0	2	MASCOT	T	PLEX8
1.04E-02	0|0	orange1.1t00226.1/ora	8.72	0	0	2	MASCOT	T	PLEX8
3.05E-05	0|0	orange1.1t00226.1/ora	8.72	0	0	2	MASCOT	T	PLEX8
4.43E-03	0|0	orange1.1t00226.1/ora	8.72	0	0	2	MASCOT	T	PLEX8
3.45E-05	0|0	orange1.1t00226.1/ora	8.72	0	0	2	MASCOT	T	PLEX8
1.52E-02	0|0	orange1.1t00226.1/ora	8.72	0	0	2	MASCOT	T	PLEX8
1.23E-02	0|0	orange1.1t00226.1/ora	8.72	0	0	2	MASCOT	T	PLEX8
4.74E-05	0|0	orange1.1t00226.1/ora	8.72	0	0	2	MASCOT	T	PLEX8
4.31E-03	0|0	orange1.1t00226.1/ora	8.72	0	0	2	MASCOT	T	PLEX8
7.19E-06	0|0	orange1.1t00226.1/ora	8.72	0	0	2	MASCOT	T	PLEX8
1.06E-04	0|0	orange1.1t00226.1/ora	8.72	0	0	2	MASCOT	T	PLEX8
1.08E-01	0|0	orange1.1t00226.1/ora	8.72	0	0	2	MASCOT	T	PLEX8
1.81E-01	0|0	orange1.1t00226.1/ora	8.72	0	0	2	MASCOT	T	PLEX8
3.89E-04	0|0	orange1.1t00226.1/ora	8.72	0	0	2	MASCOT	T	PLEX8
1.55E-04	0|0	orange1.1t00226.1/ora	8.72	0	0	2	MASCOT	T	PLEX8
8.58E-04	0|0	orange1.1t00226.1/ora	8.72	0	0	2	MASCOT	T	PLEX8
2.21E-02	0|0	orange1.1t00226.1/ora	8.72	0	0	2	MASCOT	T	
5.62E-03	0|0	Cs4g08220.1/Cs4g082	5.88	0	0	2	MASCOT	T	
5.25E-03	0|0	Cs4g08220.1/Cs4g082	5.88	0	0	2	MASCOT	T	
9.72E-02	0|0	Cs4g08220.1/Cs4g082	5.88	0	0	2	MASCOT	T	
6.41E-03	0|0	Cs4g08220.1/Cs4g082	5.88	0	0	2	MASCOT	T	
1.85E-02	0|0	Cs4g08220.1/Cs4g082	5.88	0	0	2	MASCOT	T	
1.21E-02	0|0	Cs5g03150.1/Cs5g031	4.53	0	0	2	MASCOT	T	PLEX8
1.89E-03	0|0	Cs5g03150.1/Cs5g031	4.53	0	0	2	MASCOT	T	PLEX8
5.78E-04	0|0	Cs5g03150.1/Cs5g031	4.25	0	0	2	MASCOT	T	PLEX8
1.14E-01	0|0	Cs5g03150.1/Cs5g031	4.25	0	0	2	MASCOT	T	PLEX8
1.99E-02	0|0	Cs5g03150.1/Cs5g031	4.37	0	0	2	MASCOT	T	PLEX8
7.07E-02	0|0	Cs5g03150.1/Cs5g031	4.37	0	0	2	MASCOT	T	
1.06E-02	0|0	Cs5g03150.1/Cs5g031	4.37	0	0	2	MASCOT	T	
3.13E-02	0|0	Cs5g03150.1/Cs5g031	4.37	0	0	2	MASCOT	T	PLEX8

2.52E-06	0|0	Cs5g03150.1/Cs5g031	3.91	0	0	2	MASCOT	T		
8.46E-05	0|0	Cs5g03150.1/Cs5g031	3.91	0	0	2	MASCOT	T		
1.94E-01	0|0	Cs5g03150.1/Cs5g031	4.53	0	0	2	MASCOT	T	PLEX8	
3.32E-02	0|0	Cs5g03150.1/Cs5g031	4.53	0	0	2	MASCOT	T	PLEX8	
3.77E-02	0|0	Cs5g03150.1/Cs5g031	4.53	0	0	2	MASCOT	T	PLEX8	
2.04E-02	0|0	Cs5g03150.1/Cs5g031	4.53	0	0	2	MASCOT	T		
1.80E-03	0|0	Cs5g03150.1/Cs5g031	5.4	0	0	2	MASCOT	T	PLEX8	
5.02E-04	0|0	Cs5g03150.1/Cs5g031	5.4	0	0	2	MASCOT	T	PLEX8	
9.41E-05	0|0	Cs5g03150.1/Cs5g031	5.4	0	0	2	MASCOT	T	PLEX8	
3.19E-03	0|0	Cs5g03150.1/Cs5g031	5.4	0	0	2	MASCOT	T	PLEX8	
4.67E-02	0|0	Cs5g03150.1/Cs5g031	5.4	0	0	2	MASCOT	T	PLEX8	
1.79E-01	0|0	Cs5g03150.1/Cs5g031	5.84	0	0	2	MASCOT	T	PLEX8	
2.39E-01	0|0	Cs5g03150.1/Cs5g031	5.84	0	0	2	MASCOT	T	PLEX8	
1.90E-01	0|0	Cs5g03150.1/Cs5g031	5.84	0	0	2	MASCOT	T		
4.14E-01	0|0	Cs4g08220.1/Cs4g082	5.4	0	0	2	MASCOT	T	PLEX8	
1.15E-02	0|0	Cs5g03150.1/Cs5g031	8.75	0	0	2	MASCOT	T	PLEX8	
1.23E-02	0|0	Cs5g03150.1/Cs5g031	8.75	0	0	2	MASCOT	T	PLEX8	
5.82E-03	0|0	Cs5g03150.1/Cs5g031	8.75	0	0	2	MASCOT	T	PLEX8	
1.31E-02	0|0	Cs5g03150.1/Cs5g031	3.83	0	0	2	MASCOT	T	PLEX8	
2.49E-02	0|0	Cs5g03150.1/Cs5g031	5.32	0	0	2	MASCOT	T	PLEX8	
1.78E-02	0|0	Cs5g03150.1/Cs5g031	5.32	0	0	2	MASCOT	T	PLEX8	
9.06E-02	0|0	Cs5g03150.1/Cs5g031	5.32	0	0	2	MASCOT	T	PLEX8	
5.17E-02	0|0	Cs5g03150.1/Cs5g031	5.32	0	0	2	MASCOT	T		
5.55E-03	0|0	Cs4g08220.1/Cs4g082	5.96	1	0	2	MASCOT	T	PLEX8	
2.91E-02	0|0	Cs4g08220.1/Cs4g082	5.96	1	0	2	MASCOT	T	PLEX8	
4.38E-03	0|0	Cs4g08220.1/Cs4g082	5.96	1	0	2	MASCOT	T	PLEX8	
3.26E-03	0|0	Cs5g03150.1/Cs5g031	5.72	0	0	2	MASCOT	T	PLEX8	
5.89E-02	0|0	Cs5g03150.1/Cs5g031	5.72	0	0	2	MASCOT	T	PLEX8	
2.03E-01	0|0	Cs5g03150.1/Cs5g031	5.72	0	0	2	MASCOT	T	PLEX8	
1.95E-02	0|0	Cs5g03150.1/Cs5g031	5.72	0	0	2	MASCOT	T	PLEX8	
1.55E-01	0|0	Cs5g03150.1/Cs5g031	5.72	0	0	2	MASCOT	T	PLEX8	
2.89E-02	0|0	Cs5g03150.1/Cs5g031	4.37	0	15.9	0	2	MASCOT	T	PLEX8
1.74E-01	0|0	Cs5g03150.1/Cs5g031	4.37	0	0	2	MASCOT	T	PLEX8	
1.97E-02	0|0	Cs5g03150.1/Cs5g031	4.37	0	0	2	MASCOT	T	PLEX8	
1.72E-01	0|0	Cs5g03150.1/Cs5g031	4.37	0	0	2	MASCOT	T	PLEX8	
7.82E-04	0|0	Cs5g03150.1/Cs5g031	4.53	0	0	2	MASCOT	T	PLEX8	
3.29E-03	0|0	Cs5g03150.1/Cs5g031	4.53	0	0	2	MASCOT	T	PLEX8	
2.68E-01	0|0	Cs5g03150.1	5.5	0	0	2	MASCOT	T	PLEX8	
7.61E-02	0|0	Cs5g03150.1	5.5	0	0	2	MASCOT	T	PLEX8	
5.62E-02	0|0	Cs4g08220.1/Cs4g082	4.21	0	0	2	MASCOT	T		
2.13E-03	0|0	Cs4g08220.1/Cs4g082	4.21	0	0	2	MASCOT	T		
4.24E-04	0|0	Cs5g03150.1/Cs5g031	5.84	0	0	2	MASCOT	T	PLEX8	
9.52E-03	0|0	Cs5g03150.1/Cs5g031	5.84	0	0	2	MASCOT	T	PLEX8	
9.23E-02	0|0	Cs5g03150.1/Cs5g031	4.37	0	0	2	MASCOT	T		
6.47E-03	0|0	Cs4g08220.1/Cs4g082	4.03	0	0	2	MASCOT	T	PLEX8	
2.93E-03	0|0	Cs4g08220.1/Cs4g082	4.03	0	0	2	MASCOT	T	PLEX8	
7.62E-02	0|0	Cs4g08220.1/Cs4g082	4.03	0	0	2	MASCOT	T	PLEX8	
1.36E-02	0|0	Cs4g08220.1/Cs4g082	4.03	0	0	2	MASCOT	T	PLEX8	
1.17E-04	0|0	Cs4g08220.1/Cs4g082	4.03	0	0	2	MASCOT	T	PLEX8	
1.85E-03	0|0	Cs4g08220.1/Cs4g082	4.03	0	0	2	MASCOT	T	PLEX8	
5.62E-03	0|0	Cs4g08220.1/Cs4g082	4.03	0	0	2	MASCOT	T	PLEX8	

4.73E-01	0|0	Cs4g08220.1/Cs4g082	4.03	0	0	2	MASCOT	T	PLEX8	
2.31E-01	0|0	Cs4g08220.1/Cs4g082	6.1	0	0	2	MASCOT	T	PLEX8	
1.44E-01	0|0	Cs4g08220.1/Cs4g082	6.1	0	0	2	MASCOT	T	PLEX8	
5.62E-03	0|0	Cs4g08220.1/Cs4g082	5.88	0	0	2	MASCOT	T		
5.25E-03	0|0	Cs4g08220.1/Cs4g082	5.88	0	0	2	MASCOT	T		
9.72E-02	0|0	Cs4g08220.1/Cs4g082	5.88	0	0	2	MASCOT	T		
6.41E-03	0|0	Cs4g08220.1/Cs4g082	5.88	0	0	2	MASCOT	T		
1.85E-02	0|0	Cs4g08220.1/Cs4g082	5.88	0	0	2	MASCOT	T		
1.21E-02	0|0	Cs5g03150.1/Cs5g031	4.53	0	0	2	MASCOT	T	PLEX8	
1.89E-03	0|0	Cs5g03150.1/Cs5g031	4.53	0	0	2	MASCOT	T	PLEX8	
5.19E-02	0|0	Cs9g19220.1	8.8	0	0	2	MASCOT	T	PLEX8	
2.12E-01	0|0	Cs9g19220.1	8.8	0	0	2	MASCOT	T	PLEX8	
1.44E-01	0|0	Cs9g19220.1	8.8	0	0	2	MASCOT	T	PLEX8	
5.78E-04	0|0	Cs5g03150.1/Cs5g031	4.25	0	0	2	MASCOT	T	PLEX8	
1.14E-01	0|0	Cs5g03150.1/Cs5g031	4.25	0	0	2	MASCOT	T	PLEX8	
3.70E-03	0|0	Cs9g19220.1	4.37	0	0	2	MASCOT	T	PLEX8	
3.02E-03	0|0	Cs9g19220.1	4.37	0	0	2	MASCOT	T	PLEX8	
4.50E-03	0|0	Cs9g19220.1	4.37	0	0	2	MASCOT	T	PLEX8	
9.98E-02	0|0	Cs9g19220.1	4.37	0	0	2	MASCOT	T		
2.95E-02	0|0	Cs4g08220.1/Cs4g082	3.91	0	0	2	MASCOT	T	PLEX8	
1.09E-03	0|0	Cs4g08220.1/Cs4g082	3.91	0	0	2	MASCOT	T	PLEX8	
6.61E-04	0|0	Cs4g08220.1/Cs4g082	3.91	0	0	2	MASCOT	T		
1.30E-02	0|0	Cs4g08220.1/Cs4g082	3.91	0	0	2	MASCOT	T	PLEX8	
1.94E-01	0|0	Cs5g03150.1/Cs5g031	4.53	0	0	2	MASCOT	T	PLEX8	
3.32E-02	0|0	Cs5g03150.1/Cs5g031	4.53	0	0	2	MASCOT	T	PLEX8	
3.77E-02	0|0	Cs5g03150.1/Cs5g031	4.53	0	0	2	MASCOT	T	PLEX8	
2.04E-02	0|0	Cs5g03150.1/Cs5g031	4.53	0	0	2	MASCOT	T		
3.67E-04	0|0	Cs9g19220.1	5.4	0	0	2	MASCOT	T	PLEX8	
3.07E-01	0|0	Cs9g19220.1	5.4	0	0	2	MASCOT	T	PLEX8	
1.79E-01	0|0	Cs5g03150.1/Cs5g031	5.84	0	0	2	MASCOT	T	PLEX8	
2.39E-01	0|0	Cs5g03150.1/Cs5g031	5.84	0	0	2	MASCOT	T	PLEX8	
1.90E-01	0|0	Cs5g03150.1/Cs5g031	5.84	0	0	2	MASCOT	T		
4.14E-01	0|0	Cs4g08220.1/Cs4g082	5.4	0	0	2	MASCOT	T	PLEX8	
2.49E-02	0|0	Cs5g03150.1/Cs5g031	5.32	0	0	2	MASCOT	T	PLEX8	
1.78E-02	0|0	Cs5g03150.1/Cs5g031	5.32	0	0	2	MASCOT	T	PLEX8	
9.06E-02	0|0	Cs5g03150.1/Cs5g031	5.32	0	0	2	MASCOT	T	PLEX8	
5.17E-02	0|0	Cs5g03150.1/Cs5g031	5.32	0	0	2	MASCOT	T		
5.55E-03	0|0	Cs4g08220.1/Cs4g082	5.96	1	0	2	MASCOT	T	PLEX8	
2.91E-02	0|0	Cs4g08220.1/Cs4g082	5.96	1	0	2	MASCOT	T	PLEX8	
4.38E-03	0|0	Cs4g08220.1/Cs4g082	5.96	1	0	2	MASCOT	T	PLEX8	
3.26E-03	0|0	Cs5g03150.1/Cs5g031	5.72	0	0	2	MASCOT	T	PLEX8	
5.89E-02	0|0	Cs5g03150.1/Cs5g031	5.72	0	0	2	MASCOT	T	PLEX8	
2.03E-01	0|0	Cs5g03150.1/Cs5g031	5.72	0	0	2	MASCOT	T	PLEX8	
1.95E-02	0|0	Cs5g03150.1/Cs5g031	5.72	0	0	2	MASCOT	T	PLEX8	
1.55E-01	0|0	Cs5g03150.1/Cs5g031	5.72	0	0	2	MASCOT	T	PLEX8	
7.82E-04	0|0	Cs5g03150.1/Cs5g031	4.53	0	0	2	MASCOT	T	PLEX8	
3.29E-03	0|0	Cs5g03150.1/Cs5g031	4.53	0	0	2	MASCOT	T	PLEX8	
6.21E-02	0|0	Cs9g19220.1	4.53	0	0	2	MASCOT	T	PLEX8	
3.02E-02	0|0	Cs9g19220.1	4.53	0	0	2	MASCOT	T	PLEX8	
7.20E-03	0|0	Cs9g19220.1	5.5	0	15.9	0	2	MASCOT	T	PLEX8
5.62E-02	0|0	Cs4g08220.1/Cs4g082	4.21	0	0	2	MASCOT	T		

2.13E-03	0|0	Cs4g08220.1/Cs4g082	4.21	0	0	2	MASCOT	T	
4.47E-02	0|0	Cs9g19220.1	5.84	0	0	2	MASCOT	T	PLEX8
9.23E-02	0|0	Cs5g03150.1/Cs5g031	4.37	0	0	2	MASCOT	T	
6.47E-03	0|0	Cs4g08220.1/Cs4g082	4.03	0	0	2	MASCOT	T	PLEX8
2.93E-03	0|0	Cs4g08220.1/Cs4g082	4.03	0	0	2	MASCOT	T	PLEX8
7.62E-02	0|0	Cs4g08220.1/Cs4g082	4.03	0	0	2	MASCOT	T	PLEX8
1.36E-02	0|0	Cs4g08220.1/Cs4g082	4.03	0	0	2	MASCOT	T	PLEX8
1.17E-04	0|0	Cs4g08220.1/Cs4g082	4.03	0	0	2	MASCOT	T	PLEX8
1.85E-03	0|0	Cs4g08220.1/Cs4g082	4.03	0	0	2	MASCOT	T	PLEX8
5.62E-03	0|0	Cs4g08220.1/Cs4g082	4.03	0	0	2	MASCOT	T	PLEX8
4.73E-01	0|0	Cs4g08220.1/Cs4g082	4.03	0	0	2	MASCOT	T	PLEX8
1.76E-01	0|0	Cs9g19220.1	6.1	0	0	2	MASCOT	T	PLEX8
2.00E-01	0|0	Cs4g08220.1/Cs4g082	4.37	0	0	2	MASCOT	T	PLEX8
2.08E-01	0|0	Cs4g08220.1/Cs4g082	4.37	0	0	2	MASCOT	T	PLEX8
1.03E-01	0|0	Cs4g08220.1/Cs4g082	4.37	0	0	2	MASCOT	T	PLEX8
1.87E-01	0|0	Cs9g07830.1	4.68	0	0	2	MASCOT	T	PLEX8
3.56E-03	0|0	Cs9g07830.1	4.68	0	0	2	MASCOT	T	PLEX8
1.52E-01	0|0	Cs9g07830.1	4.68	0	0	2	MASCOT	T	PLEX8
6.20E-05	0|0	Cs9g07830.1	4.65	0	0	2	MASCOT	T	PLEX8
1.33E-04	0|0	Cs9g07830.1	4.65	0	0	2	MASCOT	T	PLEX8
5.27E-01	0|0	Cs9g07830.1	5.84	0	0	2	MASCOT	T	PLEX8
1.09E-01	0|0	Cs9g07830.1	4.53	0	0	2	MASCOT	T	PLEX8
1.12E-03	0|0	Cs9g07830.1	4.53	0	0	2	MASCOT	T	PLEX8
1.47E-02	0|0	Cs9g07830.1	4.14	0	0	2	MASCOT	T	PLEX8
4.34E-02	0|0	Cs9g07830.1	4.25	0	0	2	MASCOT	T	PLEX8
8.95E-03	0|0	Cs9g07830.1	4.25	0	0	2	MASCOT	T	PLEX8
2.27E-06	0|0	Cs9g07830.1	4.53	0	0	2	MASCOT	T	PLEX8
2.44E-03	0|0	Cs9g07830.1	4.53	0	0	2	MASCOT	T	PLEX8
1.39E-06	0|0	Cs9g07830.1	4.53	0	0	2	MASCOT	T	PLEX8
2.74E-01	0|0	Cs9g07830.1	6	0	0	2	MASCOT	T	PLEX8
1.59E-06	0|0	Cs9g07830.1	4.25	0	0	2	MASCOT	T	
4.47E-04	0|0	Cs9g07830.1	5.72	0	0	2	MASCOT	T	PLEX8
2.41E-02	0|0	Cs9g07830.1	5.72	0	0	2	MASCOT	T	PLEX8
2.03E-01	0|0	Cs9g07830.1	4.37	0	0	2	MASCOT	T	PLEX8
5.56E-03	0|0	Cs9g07830.1	5.73	0	0	2	MASCOT	T	PLEX8
4.71E-03	0|0	Cs9g07830.1	5.73	0	0	2	MASCOT	T	PLEX8
2.72E-09	0|0	Cs9g07830.1	5.73	0	0	2	MASCOT	T	PLEX8
7.50E-02	0|0	Cs9g07830.1	9.8	0	0	2	MASCOT	T	PLEX8
4.57E-01	0|0	Cs9g07830.1	4.53	0	0	2	MASCOT	T	PLEX8
2.31E-01	0|0	Cs9g07830.1	4.53	0	0	2	MASCOT	T	PLEX8
2.83E-02	0|0	Cs9g07830.1	4.37	0	0	2	MASCOT	T	PLEX8
4.94E-05	0|0	Cs9g07830.1	5.21	0	0	2	MASCOT	T	PLEX8
2.00E-04	0|0	Cs9g07830.1	5.21	0	0	2	MASCOT	T	
3.44E-02	0|0	Cs9g07830.1	5.21	0	0	2	MASCOT	T	
8.71E-02	0|0	Cs9g07830.1	4.37	0	0	2	MASCOT	T	PLEX8
3.01E-04	0|0	Cs9g07830.1	5.84	0	0	2	MASCOT	T	
5.13E-05	0|0	Cs9g07830.1	5.84	0	0	2	MASCOT	T	
1.27E-01	0|0	Cs9g07830.1	5.84	0	0	2	MASCOT	T	PLEX8
8.76E-04	0|0	Cs9g07830.1	4	0	0	2	MASCOT	T	PLEX8
1.43E-03	0|0	Cs9g07830.1	4	0	0	2	MASCOT	T	PLEX8
4.30E-01	0|0	Cs9g07830.1	4.25	0	0	2	MASCOT	T	

3.65E-04 0|0	Cs9g07830.1	4.25	0	0	2 MASCOT	T	PLEX8
6.60E-03 0|0	Cs9g07830.1	4.25	0	0	2 MASCOT	T	PLEX8
1.09E-02 0|0	Cs9g07830.1	4.37	0	0	2 MASCOT	T	PLEX8
9.88E-02 0|0	Cs9g07830.1	4.37	0	0	2 MASCOT	T	PLEX8
1.15E-01 0|0	Cs9g07830.1	4.37	0	0	2 MASCOT	T	PLEX8
3.37E-02 0|0	Cs9g07830.1	4.37	0	0	2 MASCOT	T	
7.83E-03 0|0	Cs9g07830.1	4.37	0	0	2 MASCOT	T	
2.34E-02 0|0	Cs9g07830.1	4.37	0	0	2 MASCOT	T	
3.14E-01 0|0	Cs9g07830.1	4.37	0	0	2 MASCOT	T	
7.19E-04 0|0	gi|113952681	4.53	0	0	2 MASCOT	T	PLEX8
9.40E-02 0|0	gi|113952681	4.03	0	0	2 MASCOT	T	PLEX8
2.06E-02 0|0	gi|113952681	4.03	0	0	2 MASCOT	T	PLEX8
4.77E-02 0|0	gi|113952681	4	0	0	2 MASCOT	T	
2.40E-02 0|0	gi|113952681	4	0	0	2 MASCOT	T	
1.97E-01 0|0	gi|113952681	4.53	0	0	2 MASCOT	T	PLEX8
2.19E-01 0|0	gi|113952681	8.59	0	0	2 MASCOT	T	PLEX8
1.42E-01 0|0	gi|113952681	4.54	0	0	2 MASCOT	T	PLEX8
2.44E-02 0|0	gi|113952681	4.54	0	0	2 MASCOT	T	PLEX8
2.15E-02 0|0	gi|113952681	4.54	0	0	2 MASCOT	T	PLEX8
2.03E-02 0|0	gi|113952681	4.54	0	0	2 MASCOT	T	
7.71E-02 0|0	gi|113952669/gi|11395	6.92	0	0	2 MASCOT	T	PLEX8
2.05E-01 0|0	gi|113952681	5.84	0	0	2 MASCOT	T	PLEX8
9.43E-03 0|0	gi|113952681	6	0	0	2 MASCOT	T	PLEX8
1.85E-02 0|0	gi|113952681	6	0	0	2 MASCOT	T	PLEX8
2.45E-02 0|0	gi|113952681	6	0	0	2 MASCOT	T	
2.74E-02 0|0	gi|113952681	6	0	0	2 MASCOT	T	PLEX8
2.78E-02 0|0	gi|113952681	6	0	0	2 MASCOT	T	
9.16E-02 0|0	gi|113952681	8.75	0	0	2 MASCOT	T	PLEX8
8.27E-02 0|0	gi|113952681	8.75	0	0	2 MASCOT	T	PLEX8
1.69E-01 0|0	gi|113952681	4.37	0	0	2 MASCOT	T	PLEX8
1.54E-02 0|0	gi|113952681	5.32	0	0	2 MASCOT	T	PLEX8
1.30E-03 0|0	gi|113952681	6	0	0	2 MASCOT	T	PLEX8
5.11E-04 0|0	gi|113952681	6	0	0	2 MASCOT	T	PLEX8
1.72E-01 0|0	gi|113952681	8.31	0	0	2 MASCOT	T	PLEX8
3.69E-01 0|0	gi|113952681	8.44	0	0	2 MASCOT	T	
1.47E-02 0|0	gi|113952681	6	0	0	2 MASCOT	T	PLEX8
8.85E-03 0|0	gi|113952681	6	0	0	2 MASCOT	T	PLEX8
1.91E-01 0|0	gi|113952669/gi|11395	8.75	0	0	2 MASCOT	T	PLEX8
3.24E-01 0|0	gi|113952669/gi|11395	8.75	0	0	2 MASCOT	T	PLEX8
1.93E-02 0|0	gi|113952681	6.74	0	0	2 MASCOT	T	PLEX8
9.80E-02 0|0	gi|113952681	6.74	0	0	2 MASCOT	T	PLEX8
8.34E-02 0|0	gi|113952681	5.72	0	0	2 MASCOT	T	PLEX8
3.90E-03 0|0	gi|113952681	8.47	0	0	2 MASCOT	T	PLEX8
1.85E-01 0|0	gi|113952681	5.5	0	0	2 MASCOT	T	PLEX8
3.24E-02 0|0	gi|113952681	8.73	0	0	2 MASCOT	T	PLEX8
2.78E-01 0|0	Cs7g06000.1	5.28	0	0	2 MASCOT	T	PLEX8
1.55E-02 0|0	Cs7g06000.1	4.53	0	0	2 MASCOT	T	PLEX8
7.17E-02 0|0	Cs7g06000.1	5.88	0 15.9	0	2 MASCOT	T	PLEX8
3.02E-02 0|0	Cs7g06000.1	5.88	0	0	2 MASCOT	T	PLEX8
5.91E-03 0|0	Cs7g06000.1	5.88	0	0	2 MASCOT	T	PLEX8
3.82E-03 0|0	Cs7g06000.1	5.88	0	0	2 MASCOT	T	PLEX8

5.99E-03	0|0	Cs7g06000.1	5.88	0	0	2	MASCOT	T	PLEX8
1.52E-02	0|0	Cs7g02830.1/Cs9g178	3.84	0	0	2	MASCOT	T	PLEX8
1.20E-03	0|0	Cs7g06000.1/orange1.	4.53	0	0	2	MASCOT	T	PLEX8
1.38E-02	0|0	Cs7g06000.1/orange1.	4.53	0	0	2	MASCOT	T	PLEX8
4.40E-03	0|0	Cs7g06000.1/orange1.	4.53	0	0	2	MASCOT	T	PLEX8
1.60E-03	0|0	Cs7g06000.1/orange1.	4.53	0	0	2	MASCOT	T	PLEX8
7.21E-03	0|0	Cs7g06000.1/orange1.	4.53	0	0	2	MASCOT	T	PLEX8
3.43E-02	0|0	Cs7g06000.1/orange1.	4.53	0	0	2	MASCOT	T	PLEX8
2.12E-03	0|0	Cs7g06000.1/orange1.	4.53	0	0	2	MASCOT	T	PLEX8
9.77E-02	0|0	Cs7g06000.1/orange1.	4.53	0	0	2	MASCOT	T	PLEX8
2.18E-02	0|0	Cs7g06000.1	4.37	0	0	2	MASCOT	T	PLEX8
3.99E-02	0|0	Cs7g06000.1	4.37	0	0	2	MASCOT	T	PLEX8
4.90E-02	0|0	Cs7g06000.1	4.37	0	0	2	MASCOT	T	PLEX8
1.04E-01	0|0	Cs7g06000.1	4.37	0	0	2	MASCOT	T	PLEX8
3.67E-02	0|0	Cs7g06000.1	4.37	0	0	2	MASCOT	T	PLEX8
7.52E-02	0|0	Cs7g06000.1	4.37	0	0	2	MASCOT	T	PLEX8
3.26E-02	0|0	Cs7g06000.1	4.37	0	0	2	MASCOT	T	PLEX8
6.04E-02	0|0	Cs7g06000.1	4.37	0	0	2	MASCOT	T	PLEX8
4.01E-01	0|0	Cs7g06000.1	4.37	0	0	2	MASCOT	T	PLEX8
1.87E-01	0|0	Cs7g06000.1	4.37	0	0	2	MASCOT	T	PLEX8
1.85E-01	0|0	Cs7g06000.1	4.37	0	0	2	MASCOT	T	PLEX8
6.41E-02	0|0	Cs7g06000.1	4.37	0	0	2	MASCOT	T	PLEX8
2.37E-02	0|0	Cs6g09690.1 ! Cs4g16	8.75	0	0	2	MASCOT	T	PLEX8
1.00E-01	0|0	Cs7g06000.1/orange1.	6.14	1	0	2	MASCOT	T	PLEX8
2.33E-01	0|0	Cs7g06000.1	5.84	0	0	2	MASCOT	T	PLEX8
4.17E-02	0|0	Cs7g06000.1	5.84	0	0	2	MASCOT	T	PLEX8
6.60E-02	0|0	Cs7g06000.1	5.84	0	0	2	MASCOT	T	PLEX8
6.44E-02	0|0	Cs7g06000.1	5.84	0	0	2	MASCOT	T	PLEX8
2.04E-01	0|0	Cs7g06000.1	5.84	0	0	2	MASCOT	T	PLEX8
6.20E-02	0|0	Cs7g06000.1	5.84	0	0	2	MASCOT	T	PLEX8
5.05E-01	0|0	Cs7g06000.1	5.84	0	0	2	MASCOT	T	PLEX8
3.62E-02	0|0	Cs7g06000.1	5.84	0	0	2	MASCOT	T	PLEX8
1.92E-01	0|0	Cs7g06000.1	5.84	0	0	2	MASCOT	T	PLEX8
2.09E-01	0|0	Cs7g06000.1	5.84	0	0	2	MASCOT	T	PLEX8
4.30E-01	0|0	Cs7g06000.1	5.84	0	0	2	MASCOT	T	PLEX8
1.23E-01	0|0	Cs7g06000.1	5.84	0	0	2	MASCOT	T	PLEX8
1.18E-01	0|0	Cs7g06000.1	5.84	0	0	2	MASCOT	T	PLEX8
4.62E-02	0|0	Cs7g06000.1	5.84	0	0	2	MASCOT	T	PLEX8
6.56E-02	0|0	Cs7g06000.1	5.84	0	0	2	MASCOT	T	PLEX8
7.88E-02	0|0	Cs7g06000.1	5.84	0	0	2	MASCOT	T	PLEX8
8.24E-02	0|0	Cs7g06000.1	5.84	0	0	2	MASCOT	T	PLEX8
4.48E-02	0|0	Cs7g06000.1	5.84	0	0	2	MASCOT	T	PLEX8
3.19E-01	0|0	Cs7g06000.1	5.84	0	0	2	MASCOT	T	PLEX8
4.60E-01	0|0	Cs7g06000.1	5.84	0	0	2	MASCOT	T	PLEX8
3.77E-01	0|0	Cs7g06000.1	5.84	0	0	2	MASCOT	T	PLEX8
3.94E-03	0|0	Cs7g06000.1	5.84	0	0	2	MASCOT	T	PLEX8
8.65E-02	0|0	Cs7g06000.1	5.84	0	0	2	MASCOT	T	PLEX8
1.91E-02	0|0	Cs7g06000.1	6	0	0	2	MASCOT	T	PLEX8
5.48E-02	0|0	Cs7g06000.1	6	0	0	2	MASCOT	T	PLEX8
4.16E-02	0|0	Cs7g06000.1	6	0	0	2	MASCOT	T	PLEX8
1.78E-01	0|0	Cs7g06000.1	6	0	0	2	MASCOT	T	PLEX8

5.82E-02	0|0	Cs7g06000.1	6	0	0	2	MASCOT	T		
1.43E-04	0|0	Cs7g06000.1	8.73	0	0	2	MASCOT	T	PLEX8	
2.91E-03	0|0	Cs7g06000.1	8.73	0	0	2	MASCOT	T	PLEX8	
3.51E-03	0|0	Cs7g06000.1	8.73	0	0	2	MASCOT	T	PLEX8	
1.04E-01	0|0	Cs7g06000.1	8.73	0	0	2	MASCOT	T		
4.30E-01	0|0	Cs7g06000.1/orange1.	4.37	0	0	2	MASCOT	T		
1.32E-01	0|0	Cs7g06000.1	6	0	15.9	0	2	MASCOT	T	PLEX8
3.31E-03	0|0	Cs7g06000.1	6	0	15.9	0	2	MASCOT	T	PLEX8
1.97E-02	0|0	Cs7g06000.1	6	0	0	2	MASCOT	T	PLEX8	
5.19E-03	0|0	Cs7g06000.1	6	0	0	2	MASCOT	T	PLEX8	
9.16E-06	0|0	Cs7g06000.1	6	0	0	2	MASCOT	T	PLEX8	
7.04E-02	0|0	Cs7g06000.1	6	0	0	2	MASCOT	T	PLEX8	
6.20E-03	0|0	Cs7g06000.1	6	0	0	2	MASCOT	T	PLEX8	
2.73E-03	0|0	Cs7g06000.1	6	0	0	2	MASCOT	T	PLEX8	
7.60E-02	0|0	Cs7g06000.1	6	0	0	2	MASCOT	T	PLEX8	
1.66E-02	0|0	Cs7g06000.1	6	0	0	2	MASCOT	T		
8.61E-02	0|0	Cs7g06000.1	6	0	0	2	MASCOT	T	PLEX8	
1.03E-01	0|0	Cs7g06000.1	6	0	0	2	MASCOT	T	PLEX8	
7.62E-03	0|0	Cs7g06000.1	6	0	0	2	MASCOT	T	PLEX8	
1.37E-02	0|0	Cs7g06000.1	6	0	0	2	MASCOT	T	PLEX8	
6.33E-02	0|0	Cs7g06000.1	6	0	0	2	MASCOT	T	PLEX8	
4.51E-04	0|0	Cs7g06000.1	5.83	0	0	2	MASCOT	T	PLEX8	
1.13E-03	0|0	Cs7g06000.1	5.83	0	0	2	MASCOT	T	PLEX8	
3.08E-04	0|0	Cs7g06000.1	8.75	0	0	2	MASCOT	T	PLEX8	
1.14E-01	0|0	Cs7g06000.1	8.75	0	0	2	MASCOT	T	PLEX8	
5.41E-04	0|0	Cs7g06000.1	8.75	0	0	2	MASCOT	T	PLEX8	
3.62E-04	0|0	Cs7g06000.1	8.75	0	0	2	MASCOT	T	PLEX8	
9.97E-04	0|0	Cs7g06000.1	8.75	0	0	2	MASCOT	T	PLEX8	
2.24E-03	0|0	Cs7g06000.1	8.75	0	0	2	MASCOT	T	PLEX8	
1.52E-02	0|0	Cs7g06000.1	8.75	0	0	2	MASCOT	T	PLEX8	
3.28E-02	0|0	Cs7g06000.1	8.75	0	0	2	MASCOT	T	PLEX8	
6.60E-03	0|0	Cs7g06000.1	8.75	0	0	2	MASCOT	T	PLEX8	
3.37E-03	0|0	Cs7g06000.1	8.75	0	0	2	MASCOT	T	PLEX8	
8.29E-03	0|0	Cs7g06000.1	8.75	0	0	2	MASCOT	T	PLEX8	
5.74E-03	0|0	Cs7g06000.1	8.75	0	0	2	MASCOT	T	PLEX8	
7.18E-03	0|0	Cs7g06000.1	8.75	0	0	2	MASCOT	T	PLEX8	
6.88E-03	0|0	Cs7g06000.1	8.75	0	0	2	MASCOT	T	PLEX8	
2.50E-04	0|0	Cs7g06000.1	8.75	0	0	2	MASCOT	T	PLEX8	
8.74E-02	0|0	Cs7g06000.1	8.75	0	0	2	MASCOT	T		
4.40E-02	0|0	Cs7g06000.1	8.75	0	0	2	MASCOT	T	PLEX8	
1.96E-03	0|0	Cs7g06000.1	8.75	0	0	2	MASCOT	T	PLEX8	
4.97E-03	0|0	Cs7g06000.1	8.75	0	0	2	MASCOT	T	PLEX8	
4.81E-04	0|0	Cs7g06000.1	8.75	0	0	2	MASCOT	T		
1.91E-02	0|0	Cs7g06000.1	6	0	0	2	MASCOT	T	PLEX8	
1.20E-02	0|0	Cs7g06000.1	6	0	0	2	MASCOT	T	PLEX8	
3.68E-03	0|0	Cs7g06000.1	6	0	0	2	MASCOT	T	PLEX8	
9.43E-03	0|0	Cs7g06000.1	6	0	0	2	MASCOT	T	PLEX8	
1.30E-01	0|0	Cs7g06000.1	6	0	0	2	MASCOT	T	PLEX8	
2.49E-03	0|0	Cs7g06000.1	8.75	0	15.9	0	2	MASCOT	T	PLEX8
3.17E-01	0|0	Cs7g06000.1	8.75	0	15.9	0	2	MASCOT	T	PLEX8
1.05E-03	0|0	Cs7g06000.1	8.75	0	15.9	0	2	MASCOT	T	PLEX8

6.73E-04	0|0	Cs7g06000.1	8.75	0	15.9	0	2	MASCOT	T	PLEX8
3.84E-02	0|0	Cs7g06000.1	8.75	0	15.9	0	2	MASCOT	T	PLEX8
1.80E-03	0|0	Cs7g06000.1	8.75	0	15.9	0	2	MASCOT	T	PLEX8
3.53E-04	0|0	Cs7g06000.1	8.75	0	0	0	2	MASCOT	T	PLEX8
1.37E-03	0|0	Cs7g06000.1	8.75	0	0	0	2	MASCOT	T	PLEX8
4.06E-05	0|0	Cs7g06000.1	8.75	0	0	0	2	MASCOT	T	PLEX8
2.39E-04	0|0	Cs7g06000.1	8.75	0	0	0	2	MASCOT	T	PLEX8
8.01E-03	0|0	Cs7g06000.1	8.75	0	0	0	2	MASCOT	T	
2.25E-01	0|0	Cs7g06000.1	8.75	0	0	0	2	MASCOT	T	
7.55E-03	0|0	Cs7g06000.1/orange1.	4.14	0	0	0	2	MASCOT	T	PLEX8
6.23E-02	0|0	Cs7g06000.1/orange1.	4.14	0	0	0	2	MASCOT	T	PLEX8
1.39E-02	0|0	Cs7g06000.1/orange1.	4.14	0	0	0	2	MASCOT	T	
6.08E-02	0|0	Cs7g06000.1/orange1.	4.14	0	0	0	2	MASCOT	T	
3.26E-04	0|0	Cs7g06000.1/orange1.	4.14	0	0	0	2	MASCOT	T	
5.47E-05	0|0	Cs7g06000.1/orange1.	4.14	0	0	0	2	MASCOT	T	
9.79E-04	0|0	Cs7g06000.1	9.72	0	0	0	2	MASCOT	T	PLEX8
2.88E-02	0|0	Cs7g06000.1	9.72	0	0	0	2	MASCOT	T	PLEX8
4.12E-03	0|0	Cs7g06000.1	9.72	0	0	0	2	MASCOT	T	PLEX8
1.23E-01	0|0	Cs7g06000.1	9.72	0	0	0	2	MASCOT	T	
2.87E-02	0|0	Cs7g06000.1	9.72	0	0	0	2	MASCOT	T	
1.54E-03	0|0	Cs7g06000.1	9.72	0	0	0	2	MASCOT	T	
1.83E-03	0|0	Cs7g06000.1	9.72	0	0	0	2	MASCOT	T	
3.81E-02	0|0	Cs7g06000.1	9.72	0	0	0	2	MASCOT	T	
1.95E-05	0|0	Cs7g06000.1	9.72	0	0	0	2	MASCOT	T	
4.89E-02	0|0	Cs7g06000.1	9.72	0	0	0	2	MASCOT	T	
2.06E-04	0|0	Cs7g06000.1	9.72	0	0	0	2	MASCOT	T	
1.02E-02	0|0	Cs7g06000.1	9.72	0	0	0	2	MASCOT	T	
7.61E-04	0|0	Cs7g06000.1	9.72	0	0	0	2	MASCOT	T	
1.10E-02	0|0	Cs7g06000.1	9.72	0	0	0	2	MASCOT	T	
1.68E-03	0|0	Cs7g06000.1	9.72	0	0	0	2	MASCOT	T	
1.28E-03	0|0	Cs7g06000.1	9.72	0	0	0	2	MASCOT	T	
4.29E-02	0|0	Cs7g06000.1	9.72	0	0	0	2	MASCOT	T	
4.32E-02	0|0	Cs7g06000.1	9.72	0	0	0	2	MASCOT	T	PLEX8
2.11E-01	0|0	Cs7g06000.1	9.72	0	0	0	2	MASCOT	T	PLEX8
4.02E-01	0|0	Cs7g06000.1	8.59	0	0	0	2	MASCOT	T	
5.09E-02	0|0	orange1.1t01932.1/ora	5.88	0	0	0	2	MASCOT	T	PLEX8
2.60E-01	0|0	orange1.1t01932.1/ora	5.88	0	0	0	2	MASCOT	T	PLEX8
9.06E-02	0|0	orange1.1t01932.1/ora	5.88	0	0	0	2	MASCOT	T	PLEX8
4.38E-03	0|0	orange1.1t01932.1/ora	5.88	0	0	0	2	MASCOT	T	PLEX8
1.55E-01	0|0	orange1.1t01932.1/ora	5.88	0	0	0	2	MASCOT	T	PLEX8
7.20E-03	0|0	orange1.1t01932.1/ora	5.88	0	0	0	2	MASCOT	T	PLEX8
2.07E-01	0|0	orange1.1t01932.1/ora	5.88	0	0	0	2	MASCOT	T	PLEX8
4.80E-02	0|0	orange1.1t01932.1/ora	5.88	0	0	0	2	MASCOT	T	PLEX8
5.68E-02	0|0	orange1.1t01932.1/ora	5.88	0	0	0	2	MASCOT	T	PLEX8
7.05E-02	0|0	orange1.1t01932.1/ora	5.88	0	0	0	2	MASCOT	T	PLEX8
2.78E-03	0|0	orange1.1t01932.1	4.14	0	0	0	2	MASCOT	T	PLEX8
1.34E-01	0|0	orange1.1t01932.1	4.14	0	0	0	2	MASCOT	T	PLEX8
1.09E-01	0|0	orange1.1t01932.1/ora	6.75	0	0	0	2	MASCOT	T	PLEX8
3.49E-01	0|0	orange1.1t01932.1/ora	6.75	0	0	0	2	MASCOT	T	PLEX8
2.08E-02	0|0	orange1.1t01932.1/ora	6.75	0	0	0	2	MASCOT	T	PLEX8
7.74E-02	0|0	orange1.1t01932.1/ora	6.75	0	0	0	2	MASCOT	T	PLEX8

3.04E-04 0|0	orange1.1t01932.1	4.32	1	0	2	MASCOT	T	PLEX8	
5.59E-03 0|0	orange1.1t01932.1	4.32	1	0	2	MASCOT	T	PLEX8	
1.94E-04 0|0	orange1.1t01932.1	4.32	1	0	2	MASCOT	T	PLEX8	
3.79E-06 0|0	orange1.1t01932.1	4.32	1	0	2	MASCOT	T	PLEX8	
7.77E-02 0|0	orange1.1t01932.1/ora	5.83	0	0	2	MASCOT	T	PLEX8	
1.77E-02 0|0	orange1.1t01932.1/ora	5.83	0	0	2	MASCOT	T	PLEX8	
1.01E-01 0|0	orange1.1t01932.1/ora	5.83	0	0	2	MASCOT	T	PLEX8	
3.75E-02 0|0	orange1.1t01932.1/ora	3.92	0	15.9	0	2	MASCOT	T	PLEX8
1.41E-02 0|0	orange1.1t01932.1/ora	3.92	0	15.9	0	2	MASCOT	T	PLEX8
7.56E-02 0|0	orange1.1t01932.1/ora	3.92	0	0	2	MASCOT	T	PLEX8	
3.86E-03 0|0	orange1.1t01932.1	4.37	0	0	2	MASCOT	T	PLEX8	
3.84E-04 0|0	orange1.1t01932.1	4.37	0	0	2	MASCOT	T	PLEX8	
5.59E-04 0|0	orange1.1t01932.1	4.37	0	0	2	MASCOT	T	PLEX8	
5.08E-04 0|0	orange1.1t01932.1	4.37	0	0	2	MASCOT	T	PLEX8	
2.26E-04 0|0	orange1.1t01932.1	4.37	0	0	2	MASCOT	T	PLEX8	
2.51E-02 0|0	orange1.1t01932.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.25E-03 0|0	orange1.1t01932.1/ora	4.53	0	0	2	MASCOT	T	PLEX8	
2.03E-01 0|0	orange1.1t01932.1/ora	4.53	0	0	2	MASCOT	T	PLEX8	
3.67E-02 0|0	orange1.1t01932.1/ora	4.53	0	0	2	MASCOT	T	PLEX8	
7.55E-06 0|0	orange1.1t01932.1/ora	4.53	0	0	2	MASCOT	T	PLEX8	
1.55E-03 0|0	orange1.1t01932.1/ora	4.53	0	0	2	MASCOT	T	PLEX8	
9.18E-09 0|0	orange1.1t01932.1/ora	4.53	0	0	2	MASCOT	T	PLEX8	
3.05E-04 0|0	orange1.1t01932.1/ora	4.53	0	0	2	MASCOT	T	PLEX8	
5.13E-09 0|0	orange1.1t01932.1/ora	4.53	0	0	2	MASCOT	T	PLEX8	
2.58E-04 0|0	orange1.1t01932.1/ora	4.53	0	0	2	MASCOT	T	PLEX8	
5.23E-03 0|0	orange1.1t01932.1/ora	4.53	0	0	2	MASCOT	T	PLEX8	
2.05E-01 0|0	orange1.1t01932.1/ora	4.53	0	0	2	MASCOT	T	PLEX8	
8.24E-02 0|0	orange1.1t01932.1/ora	4.53	0	0	2	MASCOT	T	PLEX8	
1.65E-03 0|0	orange1.1t01932.1/ora	4.53	0	0	2	MASCOT	T	PLEX8	
7.49E-02 0|0	orange1.1t01932.1/ora	9.47	0	0	2	MASCOT	T	PLEX8	
1.77E-01 0|0	orange1.1t01932.1/ora	9.47	0	0	2	MASCOT	T	PLEX8	
7.14E-02 0|0	orange1.1t01932.1/ora	9.47	0	0	2	MASCOT	T	PLEX8	
1.17E-02 0|0	orange1.1t01932.1/ora	4.03	0	0	2	MASCOT	T	PLEX8	
1.63E-01 0|0	orange1.1t01932.1/ora	4.03	0	0	2	MASCOT	T	PLEX8	
7.70E-03 0|0	orange1.1t01932.1/ora	4.03	0	0	2	MASCOT	T	PLEX8	
1.30E-01 0|0	orange1.1t01932.1/ora	4.03	0	0	2	MASCOT	T	PLEX8	
1.81E-01 0|0	orange1.1t01932.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
7.68E-02 0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8	
6.48E-02 0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8	
3.24E-02 0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8	
7.40E-02 0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8	
1.46E-01 0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8	
2.34E-02 0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8	
2.41E-02 0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8	
1.98E-01 0|0	orange1.1t01932.1/ora	4.53	0	0	2	MASCOT	T	PLEX8	
8.98E-02 0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8	
2.65E-03 0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8	
3.06E-03 0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8	
7.55E-02 0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8	
1.11E-02 0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8	
6.29E-03 0|0	orange1.1t01932.1/ora	6	0	0	2	MASCOT	T	PLEX8	

1.24E-01 0|0	orange1.1t01932.1/ora	6	0	0	2 MASCOT	T	PLEX8
2.98E-03 0|0	orange1.1t01932.1/ora	6	0	0	2 MASCOT	T	PLEX8
1.02E-03 0|0	orange1.1t01932.1/ora	6	0	0	2 MASCOT	T	PLEX8
1.92E-02 0|0	orange1.1t01932.1/ora	6	0	0	2 MASCOT	T	PLEX8
4.22E-03 0|0	orange1.1t01932.1/ora	6	0	0	2 MASCOT	T	PLEX8
9.67E-02 0|0	orange1.1t01932.1/ora	6	0	0	2 MASCOT	T	PLEX8
9.35E-04 0|0	orange1.1t01932.1/ora	6	0	0	2 MASCOT	T	PLEX8
2.82E-02 0|0	orange1.1t01932.1/ora	6	0	0	2 MASCOT	T	PLEX8
1.00E-02 0|0	orange1.1t01932.1/ora	6	0	0	2 MASCOT	T	PLEX8
2.83E-03 0|0	orange1.1t01932.1/ora	6	0	0	2 MASCOT	T	PLEX8
3.54E-02 0|0	orange1.1t01932.1/ora	6	0	0	2 MASCOT	T	PLEX8
1.40E-01 0|0	orange1.1t01932.1/ora	5.84	0	0	2 MASCOT	T	
2.85E-01 0|0	orange1.1t01932.1/ora	5.84	0	0	2 MASCOT	T	
8.01E-02 0|0	orange1.1t01932.1/ora	5.84	0	0	2 MASCOT	T	
2.08E-01 0|0	orange1.1t01932.1/ora	5.84	0	0	2 MASCOT	T	
1.30E-01 0|0	orange1.1t01932.1/ora	5.84	0	0	2 MASCOT	T	
1.26E-01 0|0	orange1.1t01932.1/ora	5.84	0	0	2 MASCOT	T	
1.01E-01 0|0	orange1.1t01932.1/ora	5.84	0	0	2 MASCOT	T	
3.05E-01 0|0	orange1.1t01932.1/ora	5.84	0	0	2 MASCOT	T	
1.01E-01 0|0	orange1.1t01932.1/ora	5.84	0	0	2 MASCOT	T	
9.72E-02 0|0	orange1.1t01932.1/ora	5.84	0	0	2 MASCOT	T	
4.18E-01 0|0	orange1.1t01932.1/ora	4.53	0	0	2 MASCOT	T	PLEX8
1.67E-01 0|0	orange1.1t01932.1/ora	8.75	0	0	2 MASCOT	T	PLEX8
3.76E-01 0|0	orange1.1t01932.1/ora	8.75	0	0	2 MASCOT	T	PLEX8
4.99E-01 0|0	orange1.1t01932.1/ora	8.75	0	0	2 MASCOT	T	PLEX8
9.93E-03 0|0	orange1.1t01932.1/ora	6	0	0	2 MASCOT	T	PLEX8
6.77E-02 0|0	orange1.1t01932.1/ora	6	0	0	2 MASCOT	T	PLEX8
5.58E-04 0|0	orange1.1t01932.1/ora	6	0	0	2 MASCOT	T	PLEX8
7.81E-03 0|0	orange1.1t01932.1/ora	6	0	0	2 MASCOT	T	PLEX8
7.76E-04 0|0	orange1.1t01932.1/ora	6	0	0	2 MASCOT	T	PLEX8
1.93E-03 0|0	orange1.1t01932.1/ora	6	0	0	2 MASCOT	T	PLEX8
1.23E-02 0|0	orange1.1t01932.1/ora	6	0	0	2 MASCOT	T	PLEX8
2.99E-05 0|0	orange1.1t01932.1/ora	6	0	0	2 MASCOT	T	PLEX8
3.68E-05 0|0	orange1.1t01932.1/ora	6	0	0	2 MASCOT	T	PLEX8
2.44E-02 0|0	orange1.1t01932.1/ora	6	0	0	2 MASCOT	T	PLEX8
4.53E-05 0|0	orange1.1t01932.1/ora	6	0	0	2 MASCOT	T	PLEX8
1.01E-04 0|0	orange1.1t01932.1/ora	6	0	0	2 MASCOT	T	PLEX8
5.19E-04 0|0	orange1.1t01932.1/ora	6	0	0	2 MASCOT	T	PLEX8
5.40E-03 0|0	orange1.1t01932.1/ora	6	0	0	2 MASCOT	T	PLEX8
1.14E-04 0|0	orange1.1t01932.1/ora	6	0	0	2 MASCOT	T	PLEX8
5.46E-02 0|0	orange1.1t01932.1/ora	6	0	0	2 MASCOT	T	PLEX8
3.15E-01 0|0	orange1.1t01932.1/ora	6	0	0	2 MASCOT	T	PLEX8
2.90E-04 0|0	orange1.1t01932.1/ora	6	0	0	2 MASCOT	T	PLEX8
3.37E-04 0|0	orange1.1t01932.1/ora	6	0	0	2 MASCOT	T	PLEX8
1.64E-03 0|0	orange1.1t01932.1/ora	6	0	0	2 MASCOT	T	PLEX8
1.52E-02 0|0	orange1.1t01932.1/ora	6	0	0	2 MASCOT	T	PLEX8
3.49E-02 0|0	orange1.1t01932.1/ora	6	0	0	2 MASCOT	T	PLEX8
5.11E-01 0|0	orange1.1t01932.1/ora	6	0	0	2 MASCOT	T	
5.48E-01 0|0	orange1.1t01932.1/ora	8.26	0	0	2 MASCOT	T	PLEX8
2.21E-01 0|0	orange1.1t01932.1/ora	8.26	0	0	2 MASCOT	T	PLEX8
1.92E-02 0|0	orange1.1t01932.1/ora	8.26	0	0	2 MASCOT	T	PLEX8

5.13E-02	0|0	orange1.1t01932.1/ora	8.26	0	0	2	MASCOT	T	PLEX8	
3.43E-02	0|0	orange1.1t01932.1/ora	8.26	0	0	2	MASCOT	T	PLEX8	
3.78E-01	0|0	orange1.1t01932.1/ora	8.26	0	0	2	MASCOT	T	PLEX8	
1.22E-01	0|0	orange1.1t01932.1/ora	8.26	0	0	2	MASCOT	T	PLEX8	
2.87E-02	0|0	orange1.1t01932.1/ora	8.26	0	0	2	MASCOT	T	PLEX8	
8.28E-03	0|0	orange1.1t01932.1/ora	8.26	0	0	2	MASCOT	T	PLEX8	
1.96E-01	0|0	orange1.1t01932.1/ora	8.26	0	0	2	MASCOT	T	PLEX8	
9.14E-02	0|0	Cs9g17510.1/Cs9g175	5.88	0	15.9	0	2	MASCOT	T	PLEX8
1.76E-01	0|0	Cs9g17510.1/Cs9g175	5.88	0	0	2	MASCOT	T	PLEX8	
1.77E-01	0|0	Cs9g17510.1/Cs9g175	5.88	0	0	2	MASCOT	T	PLEX8	
1.61E-01	0|0	Cs9g17510.1/Cs9g175	5.88	0	0	2	MASCOT	T	PLEX8	
1.28E-01	0|0	Cs9g17510.1/Cs9g175	5.88	0	0	2	MASCOT	T	PLEX8	
1.05E-01	0|0	Cs9g17510.1/Cs9g175	5.88	0	0	2	MASCOT	T	PLEX8	
2.26E-01	0|0	Cs9g17510.1/Cs9g175	5.88	0	0	2	MASCOT	T	PLEX8	
9.17E-02	0|0	Cs9g17510.1/Cs9g175	4.25	0	0	2	MASCOT	T		
1.39E-05	0|0	Cs9g17510.1/Cs9g175	4.53	0	0	2	MASCOT	T	PLEX8	
1.64E-01	0|0	Cs9g17510.1/Cs9g175	4.53	0	0	2	MASCOT	T	PLEX8	
6.81E-02	0|0	Cs9g17510.1/Cs9g175	4.53	0	0	2	MASCOT	T	PLEX8	
4.31E-04	0|0	Cs9g17510.1/Cs9g175	4.53	0	0	2	MASCOT	T	PLEX8	
5.93E-02	0|0	Cs9g17510.2/Cs9g175	4.37	0	0	2	MASCOT	T	PLEX8	
4.57E-02	0|0	Cs9g17510.2/Cs9g175	4.37	0	0	2	MASCOT	T	PLEX8	
2.00E-01	0|0	Cs9g17510.2/Cs9g175	4.37	0	0	2	MASCOT	T	PLEX8	
2.92E-01	0|0	Cs9g17510.2/Cs9g175	4.37	0	0	2	MASCOT	T	PLEX8	
2.53E-02	0|0	Cs9g17510.2/Cs9g175	4.37	0	0	2	MASCOT	T	PLEX8	
4.05E-07	0|0	Cs9g17510.2/Cs9g175	4.37	0	0	2	MASCOT	T	PLEX8	
3.60E-04	0|0	Cs9g17510.1/Cs9g175	4.53	0	0	2	MASCOT	T		
5.79E-03	0|0	Cs9g17510.1/Cs9g175	4.53	0	0	2	MASCOT	T		
1.23E-03	0|0	Cs9g17510.1/Cs9g175	4.53	0	0	2	MASCOT	T		
2.38E-05	0|0	Cs9g17510.1/Cs9g175	4.53	0	0	2	MASCOT	T		
1.50E-03	0|0	Cs9g17510.1/Cs9g175	4.53	0	0	2	MASCOT	T		
3.28E-02	0|0	Cs9g17510.1/Cs9g175	4.68	1	0	2	MASCOT	T	PLEX8	
9.65E-02	0|0	Cs9g17510.1/Cs9g175	4.68	1	0	2	MASCOT	T	PLEX8	
1.06E-01	0|0	Cs9g17510.1/Cs9g175	4.68	1	0	2	MASCOT	T	PLEX8	
4.89E-02	0|0	Cs9g17510.2/Cs9g175	4.25	0	15.9	0	2	MASCOT	T	
1.69E-01	0|0	Cs9g17510.2/Cs9g175	4.25	0	0	2	MASCOT	T	PLEX8	
6.71E-04	0|0	Cs9g17510.2/Cs9g175	4.25	0	0	2	MASCOT	T	PLEX8	
1.80E-01	0|0	Cs9g17510.2/Cs9g175	4.25	0	0	2	MASCOT	T		
4.50E-02	0|0	Cs9g17510.2/Cs9g175	4.21	0	0	2	MASCOT	T	PLEX8	
7.32E-02	0|0	Cs9g17510.1/Cs9g175	5.84	0	0	2	MASCOT	T	PLEX8	
1.67E-02	0|0	Cs9g17510.1/Cs9g175	5.84	0	0	2	MASCOT	T		
8.08E-03	0|0	Cs9g17510.1/Cs9g175	5.84	0	0	2	MASCOT	T		
3.80E-02	0|0	Cs9g17510.1/Cs9g175	5.84	0	0	2	MASCOT	T		
1.01E-02	0|0	Cs9g17510.1/Cs9g175	5.84	0	0	2	MASCOT	T		
2.19E-01	0|0	Cs9g17510.1/Cs9g175	4.53	0	0	2	MASCOT	T	PLEX8	
4.65E-01	0|0	Cs9g17510.1/Cs9g175	4.53	0	0	2	MASCOT	T		
7.81E-04	0|0	Cs9g17510.1/Cs9g175	4.56	0	0	2	MASCOT	T	PLEX8	
3.11E-03	0|0	Cs9g17510.1/Cs9g175	4.56	0	0	2	MASCOT	T	PLEX8	
2.83E-01	0|0	Cs9g17510.1/Cs9g175	4.25	0	15.9	0	2	MASCOT	T	PLEX8
1.58E-02	0|0	Cs9g17510.1/Cs9g175	4.25	0	0	2	MASCOT	T	PLEX8	
8.94E-03	0|0	Cs9g17510.1/Cs9g175	4.25	0	0	2	MASCOT	T	PLEX8	
1.43E-04	0|0	Cs9g17510.1/Cs9g175	4.25	0	0	2	MASCOT	T	PLEX8	

1.83E-05	0|0	Cs9g17510.1/Cs9g175	4.25	0	0	2	MASCOT	T	PLEX8	
6.76E-02	0|0	Cs9g17510.1/Cs9g175	4.25	0	0	2	MASCOT	T	PLEX8	
3.93E-02	0|0	Cs9g17510.1/Cs9g175	4.25	0	0	2	MASCOT	T	PLEX8	
3.63E-04	0|0	Cs9g17510.1/Cs9g175	4.25	0	0	2	MASCOT	T	PLEX8	
1.16E-03	0|0	Cs9g17510.1/Cs9g175	4.25	0	0	2	MASCOT	T	PLEX8	
1.67E-01	0|0	Cs9g17510.1/Cs9g175	4.25	0	0	2	MASCOT	T	PLEX8	
2.02E-01	0|0	Cs9g17510.1/Cs9g175	4.25	0	0	2	MASCOT	T		
8.47E-02	0|0	Cs9g17510.1/Cs9g175	4.25	0	0	2	MASCOT	T	PLEX8	
3.28E-01	0|0	Cs9g17510.1/Cs9g175	5.88	0	0	2	MASCOT	T	PLEX8	
3.50E-01	0|0	Cs9g17510.1/Cs9g175	5.88	0	0	2	MASCOT	T	PLEX8	
3.07E-01	0|0	Cs9g17510.1/Cs9g175	5.88	0	0	2	MASCOT	T	PLEX8	
4.81E-02	0|0	Cs9g17510.1/Cs9g175	4.14	0	0	2	MASCOT	T	PLEX8	
3.04E-02	0|0	Cs9g17510.1/Cs9g175	4.14	0	0	2	MASCOT	T	PLEX8	
7.30E-03	0|0	Cs9g17510.1/Cs9g175	4.14	0	0	2	MASCOT	T	PLEX8	
3.74E-02	0|0	Cs9g17510.1/Cs9g175	4.14	0	0	2	MASCOT	T	PLEX8	
2.58E-01	0|0	Cs9g17510.1/Cs9g175	4.31	0	15.9	0	2	MASCOT	T	PLEX8
7.37E-03	0|0	Cs9g17510.1/Cs9g175	4.31	0	15.9	0	2	MASCOT	T	PLEX8
2.01E-01	0|0	Cs9g17510.1/Cs9g175	4.31	0	15.9	0	2	MASCOT	T	PLEX8
9.29E-03	0|0	Cs9g17510.1/Cs9g175	4.31	0	15.9	0	2	MASCOT	T	PLEX8
3.07E-04	0|0	Cs9g17510.1/Cs9g175	4.31	0	15.9	0	2	MASCOT	T	PLEX8
6.70E-02	0|0	Cs9g17510.1/Cs9g175	4.31	0	0	2	MASCOT	T	PLEX8	
9.29E-03	0|0	Cs9g17510.1/Cs9g175	4.31	0	0	2	MASCOT	T	PLEX8	
1.60E-04	0|0	Cs9g17510.1/Cs9g175	4.31	0	0	2	MASCOT	T	PLEX8	
4.10E-02	0|0	Cs9g17510.1/Cs9g175	4.31	0	0	2	MASCOT	T		
3.78E-01	0|0	Cs9g17510.1/Cs9g175	4.31	0	0	2	MASCOT	T	PLEX8	
1.01E-03	0|0	Cs9g17510.1/Cs9g175	4.31	0	0	2	MASCOT	T	PLEX8	
4.16E-01	0|0	Cs9g17510.1/Cs9g175	4.31	0	0	2	MASCOT	T		
4.15E-01	0|0	Cs9g17510.1/Cs9g175	4.31	0	0	2	MASCOT	T		
1.12E-02	0|0	Cs9g17510.1/Cs9g175	4.09	0	15.9	0	2	MASCOT	T	PLEX8
8.69E-05	0|0	Cs9g17510.1/Cs9g175	4.09	0	15.9	0	2	MASCOT	T	PLEX8
6.31E-04	0|0	Cs9g17510.1/Cs9g175	4.09	0	15.9	0	2	MASCOT	T	PLEX8
1.36E-02	0|0	Cs9g17510.1/Cs9g175	4.09	0	15.9	0	2	MASCOT	T	PLEX8
5.86E-03	0|0	Cs9g17510.1/Cs9g175	4.09	0	0	2	MASCOT	T	PLEX8	
6.78E-04	0|0	Cs9g17510.1/Cs9g175	4.09	0	0	2	MASCOT	T	PLEX8	
2.06E-04	0|0	Cs9g17510.1/Cs9g175	4.09	0	0	2	MASCOT	T	PLEX8	
3.63E-06	0|0	Cs9g17510.1/Cs9g175	4.2	0	0	2	MASCOT	T		
1.59E-02	0|0	Cs9g17510.1/Cs9g175	4.25	0	0	2	MASCOT	T	PLEX8	
1.12E-01	0|0	Cs9g17510.1/Cs9g175	4.25	0	0	2	MASCOT	T	PLEX8	
1.35E-01	0|0	Cs9g17510.1/Cs9g175	4.25	0	0	2	MASCOT	T	PLEX8	
1.64E-01	0|0	Cs9g17510.1/Cs9g175	5.84	0	0	2	MASCOT	T	PLEX8	
3.21E-02	0|0	Cs9g17510.1/Cs9g175	6	0	0	2	MASCOT	T	PLEX8	
5.51E-02	0|0	Cs9g17510.1/Cs9g175	5.72	0	0	2	MASCOT	T	PLEX8	
2.38E-02	0|0	Cs9g17510.1/Cs9g175	5.72	0	0	2	MASCOT	T	PLEX8	
8.84E-02	0|0	Cs9g17510.1/Cs9g175	5.72	0	0	2	MASCOT	T	PLEX8	
8.04E-04	0|0	Cs2g21430.1/Cs2g214	4.31	0	0	2	MASCOT	T	PLEX8	
1.64E-02	0|0	Cs2g21430.1/Cs2g214	4.31	0	0	2	MASCOT	T	PLEX8	
1.67E-02	0|0	Cs2g21430.1/Cs2g214	4.31	0	0	2	MASCOT	T	PLEX8	
8.43E-05	0|0	Cs2g21430.1/Cs2g214	4.31	0	0	2	MASCOT	T	PLEX8	
1.37E-02	0|0	Cs2g21430.1/Cs2g214	4.31	0	0	2	MASCOT	T	PLEX8	
3.23E-04	0|0	Cs2g21430.1/Cs2g214	4.31	0	0	2	MASCOT	T	PLEX8	
3.21E-09	0|0	Cs2g21430.1/Cs2g214	4.31	0	0	2	MASCOT	T	PLEX8	

1.26E-03	0|0	Cs2g21430.1/Cs2g214	4.31	0	0	2	MASCOT	T	PLEX8	
3.77E-03	0|0	Cs2g21430.1/Cs2g214	4.31	0	0	2	MASCOT	T		
1.40E-05	0|0	Cs2g21430.1/Cs2g214	4.31	0	0	2	MASCOT	T		
3.74E-01	0|0	Cs2g21430.1/Cs2g214	6.75	0	0	2	MASCOT	T	PLEX8	
1.30E-01	0|0	Cs2g21430.1/Cs2g214	6.75	0	0	2	MASCOT	T	PLEX8	
1.17E-02	0|0	Cs2g21430.1/Cs2g214	6.75	0	0	2	MASCOT	T	PLEX8	
1.45E-01	0|0	Cs2g21430.1/Cs2g214	5.84	0	0	2	MASCOT	T		
4.22E-03	0|0	Cs2g21430.1/Cs2g214	5.84	0	0	2	MASCOT	T		
8.28E-02	0|0	Cs2g21430.1/Cs2g214	5.84	0	0	2	MASCOT	T	PLEX8	
5.77E-04	0|0	Cs2g21430.1/Cs2g214	8.75	0	0	2	MASCOT	T	PLEX8	
1.60E-04	0|0	Cs2g21430.1/Cs2g214	8.75	0	0	2	MASCOT	T	PLEX8	
3.97E-01	0|0	Cs1g26040.1/Cs1g260	8.75	0	15.9	0	2	MASCOT	T	PLEX8
2.59E-02	0|0	Cs1g26040.1/Cs1g260	8.75	0	0	2	MASCOT	T	PLEX8	
8.50E-03	0|0	Cs1g26040.1/Cs1g260	8.75	0	0	2	MASCOT	T	PLEX8	
7.18E-02	0|0	Cs1g26040.1/Cs1g260	8.75	0	0	2	MASCOT	T	PLEX8	
6.15E-02	0|0	Cs1g26040.1/Cs1g260	8.75	0	0	2	MASCOT	T		
9.68E-02	0|0	Cs2g21430.1/Cs2g214	8.76	0	0	2	MASCOT	T		
6.68E-03	0|0	Cs2g21430.1/Cs2g214	4.37	0	0	2	MASCOT	T	PLEX8	
6.56E-03	0|0	Cs2g21430.1/Cs2g214	4.37	0	0	2	MASCOT	T	PLEX8	
1.13E-01	0|0	Cs1g26040.1/Cs1g260	6	0	0	2	MASCOT	T	PLEX8	
2.76E-01	0|0	Cs2g21430.1/Cs2g214	4.56	0	0	2	MASCOT	T	PLEX8	
3.45E-02	0|0	Cs1g26040.1/Cs1g260	6	0	0	2	MASCOT	T	PLEX8	
7.63E-03	0|0	Cs1g26040.1/Cs1g260	6	0	0	2	MASCOT	T	PLEX8	
9.64E-03	0|0	Cs1g26040.1/Cs1g260	6	0	0	2	MASCOT	T	PLEX8	
1.25E-02	0|0	Cs1g26040.1/Cs1g260	6	0	0	2	MASCOT	T	PLEX8	
1.17E-01	0|0	Cs1g26040.1/Cs1g260	6	0	0	2	MASCOT	T	PLEX8	
3.38E-02	0|0	Cs1g26040.1/Cs1g260	6	0	0	2	MASCOT	T	PLEX8	
3.60E-02	0|0	Cs1g26040.1/Cs1g260	6	0	0	2	MASCOT	T	PLEX8	
1.42E-01	0|0	Cs2g21430.1/Cs2g214	5.84	0	15.9	0	2	MASCOT	T	PLEX8
1.28E-03	0|0	Cs2g21430.1/Cs2g214	5.84	0	0	2	MASCOT	T	PLEX8	
6.07E-03	0|0	Cs2g21430.1/Cs2g214	5.84	0	0	2	MASCOT	T	PLEX8	
1.74E-01	0|0	Cs1g26040.1/Cs1g260	8.75	0	0	2	MASCOT	T	PLEX8	
9.09E-03	0|0	Cs1g26040.1/Cs1g260	8.75	0	0	2	MASCOT	T	PLEX8	
9.43E-03	0|0	Cs1g26040.1/Cs1g260	8.75	0	0	2	MASCOT	T	PLEX8	
8.08E-03	0|0	Cs2g21430.1/Cs2g214	5.72	0	0	2	MASCOT	T	PLEX8	
1.54E-02	0|0	Cs2g21430.1/Cs2g214	5.72	0	0	2	MASCOT	T	PLEX8	
4.70E-02	0|0	Cs2g21430.1/Cs2g214	5.72	0	0	2	MASCOT	T	PLEX8	
1.29E-01	0|0	Cs2g21430.1/Cs2g214	5.72	0	0	2	MASCOT	T	PLEX8	
2.13E-01	0|0	Cs2g21430.1/Cs2g214	5.72	0	0	2	MASCOT	T	PLEX8	
4.61E-02	0|0	Cs2g21430.1/Cs2g214	5.72	0	0	2	MASCOT	T	PLEX8	
1.63E-02	0|0	Cs2g21430.1/Cs2g214	5.72	0	0	2	MASCOT	T	PLEX8	
1.16E-01	0|0	Cs2g21430.1/Cs2g214	5.72	0	0	2	MASCOT	T		
1.20E-01	0|0	Cs1g26040.1/Cs1g260	8.41	0	0	2	MASCOT	T	PLEX8	
1.03E-03	0|0	Cs1g26040.1/Cs1g260	8.41	0	0	2	MASCOT	T	PLEX8	
7.22E-03	0|0	Cs1g26040.1/Cs1g260	8.41	0	0	2	MASCOT	T	PLEX8	
6.87E-03	0|0	Cs1g26040.1/Cs1g260	8.41	0	0	2	MASCOT	T	PLEX8	
6.42E-03	0|0	Cs1g26040.1/Cs1g260	8.41	0	0	2	MASCOT	T	PLEX8	
3.38E-04	0|0	Cs1g26040.1/Cs1g260	8.41	0	0	2	MASCOT	T	PLEX8	
4.48E-01	0|0	Cs2g21430.1/Cs2g214	6.41	0	0	2	MASCOT	T	PLEX8	
1.95E-02	0|0	Cs2g21430.1/Cs2g214	8.59	0	0	2	MASCOT	T	PLEX8	
2.31E-02	0|0	Cs2g21430.1/Cs2g214	8.59	0	0	2	MASCOT	T	PLEX8	

3.54E-02	0|0	Cs2g21430.1/Cs2g214	8.59	0	0	2	MASCOT	T	PLEX8	
4.15E-02	0|0	Cs2g21430.1/Cs2g214	8.59	0	0	2	MASCOT	T	PLEX8	
8.97E-03	0|0	Cs2g21430.1/Cs2g214	8.59	0	0	2	MASCOT	T	PLEX8	
3.49E-02	0|0	Cs2g21430.1/Cs2g214	8.59	0	0	2	MASCOT	T	PLEX8	
3.09E-02	0|0	Cs2g21430.1/Cs2g214	8.59	0	0	2	MASCOT	T	PLEX8	
5.58E-02	0|0	Cs2g21430.1/Cs2g214	8.59	0	0	2	MASCOT	T	PLEX8	
3.12E-02	0|0	Cs2g21430.1/Cs2g214	8.59	0	0	2	MASCOT	T		
6.20E-02	0|0	Cs2g21430.1/Cs2g214	8.59	0	0	2	MASCOT	T	PLEX8	
2.76E-03	0|0	Cs2g21430.1/Cs2g214	5.84	0	0	2	MASCOT	T	PLEX8	
1.10E-02	0|0	Cs2g21430.1/Cs2g214	5.84	0	0	2	MASCOT	T	PLEX8	
4.91E-02	0|0	Cs2g21430.1/Cs2g214	5.83	0	0	2	MASCOT	T	PLEX8	
1.40E-01	0|0	Cs2g21430.1/Cs2g214	5.83	0	0	2	MASCOT	T	PLEX8	
7.40E-03	0|0	Cs2g21430.1/Cs2g214	6.07	1	0	2	MASCOT	T		
6.97E-03	0|0	Cs2g21430.1/Cs2g214	6.07	1	0	2	MASCOT	T		
1.55E-02	0|0	Cs2g21430.1/Cs2g214	6.07	1	0	2	MASCOT	T		
1.74E-02	0|0	Cs2g21430.1/Cs2g214	7.94	0	15.9	0	2	MASCOT	T	PLEX8
4.51E-02	0|0	Cs2g21430.1/Cs2g214	7.94	0	15.9	0	2	MASCOT	T	PLEX8
6.79E-03	0|0	Cs2g21430.1/Cs2g214	7.94	0	0	2	MASCOT	T	PLEX8	
3.48E-03	0|0	Cs2g21430.1/Cs2g214	7.94	0	0	2	MASCOT	T		
1.50E+00	0|0	Cs1g26040.1/Cs1g260	9.73	0	0	2	MASCOT	T	PLEX8	
8.18E-01	0|0	Cs1g26040.1/Cs1g260	9.73	0	0	2	MASCOT	T		
9.18E-01	0|0	Cs1g26040.1/Cs1g260	9.73	0	0	2	MASCOT	T	PLEX8	
6.75E-05	0|0	orange1.1t01459.1/ora	4.53	0	0	2	MASCOT	T		
3.51E-02	0|0	orange1.1t01459.1/ora	4.53	0	0	2	MASCOT	T		
2.21E-01	0|0	orange1.1t01459.1/ora	4.4	0	0	2	MASCOT	T	PLEX8	
2.94E-02	0|0	orange1.1t01459.1/ora	4.4	0	0	2	MASCOT	T	PLEX8	
1.02E-02	0|0	orange1.1t01459.1/ora	4.4	0	0	2	MASCOT	T		
4.89E-01	0|0	orange1.1t01459.1/ora	5.84	0	0	2	MASCOT	T	PLEX8	
6.93E-02	0|0	orange1.1t01459.1/ora	5.32	0	0	2	MASCOT	T	PLEX8	
1.46E-02	0|0	orange1.1t01459.1/ora	5.32	0	0	2	MASCOT	T	PLEX8	
9.79E-05	0|0	orange1.1t01459.1/ora	4.14	0	0	2	MASCOT	T	PLEX8	
3.28E-03	0|0	orange1.1t01459.1/ora	4.14	0	0	2	MASCOT	T	PLEX8	
1.23E-04	0|0	orange1.1t01459.1/ora	4.14	0	0	2	MASCOT	T	PLEX8	
9.26E-03	0|0	orange1.1t01459.1/ora	4.25	0	0	2	MASCOT	T	PLEX8	
4.15E-04	0|0	orange1.1t01459.1/ora	4.25	0	0	2	MASCOT	T	PLEX8	
1.53E-03	0|0	orange1.1t01459.1/ora	4.25	0	0	2	MASCOT	T	PLEX8	
1.78E-02	0|0	orange1.1t01459.1/ora	4.25	0	0	2	MASCOT	T	PLEX8	
1.12E-03	0|0	orange1.1t01459.1/ora	8.75	0	0	2	MASCOT	T	PLEX8	
4.65E-03	0|0	orange1.1t01459.1/ora	8.75	0	0	2	MASCOT	T		
2.73E-01	0|0	orange1.1t01459.1/ora	9.75	0	0	2	MASCOT	T		
6.15E-02	0|0	orange1.1t01459.1/ora	9.75	0	0	2	MASCOT	T	PLEX8	
1.08E-05	0|0	orange1.1t01459.1/ora	3.84	0	0	2	MASCOT	T		
1.57E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8	
8.03E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8	
8.10E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8	
1.68E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8	
3.60E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8	
1.93E-01	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8	
2.43E-01	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8	
4.38E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8	
1.87E-01	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8	

2.71E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
3.11E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
1.40E-01	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
2.99E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
1.17E-01	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
2.15E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
1.17E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
3.31E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
1.39E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
4.93E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
8.03E-03	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
8.57E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
2.69E-01	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
7.93E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
1.09E-01	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
8.37E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
4.27E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
1.12E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
2.33E-01	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
2.44E-01	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
2.80E-01	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
3.91E-01	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
1.33E-01	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
1.46E-02	0|0	orange1.1t01459.1/ora	5.84	0	0	2	MASCOT	T	PLEX8
1.02E-01	0|0	orange1.1t01459.1/ora	8.75	0	0	2	MASCOT	T	PLEX8
1.26E-02	0|0	orange1.1t01459.1/ora	8.75	0	0	2	MASCOT	T	PLEX8
1.39E-01	0|0	orange1.1t01459.1/ora	8.75	0	0	2	MASCOT	T	PLEX8
1.26E-02	0|0	orange1.1t01459.1/ora	8.75	0	0	2	MASCOT	T	PLEX8
9.54E-03	0|0	orange1.1t01459.1/ora	5.55	0	0	2	MASCOT	T	PLEX8
2.21E-03	0|0	orange1.1t01459.1/ora	5.55	0	0	2	MASCOT	T	PLEX8
2.29E-02	0|0	orange1.1t01459.1/ora	5.55	0	0	2	MASCOT	T	PLEX8
4.36E-03	0|0	orange1.1t01459.1/ora	4.25	0	0	2	MASCOT	T	PLEX8
2.08E-01	0|0	orange1.1t01459.1/ora	6.41	0	0	2	MASCOT	T	PLEX8
3.25E-02	0|0	orange1.1t01459.1/ora	5.8	0	0	2	MASCOT	T	PLEX8
6.35E-03	0|0	orange1.1t01459.1/ora	5.8	0	0	2	MASCOT	T	PLEX8
2.08E-01	0|0	orange1.1t01459.1/ora	5.8	0	0	2	MASCOT	T	PLEX8
5.03E-02	0|0	orange1.1t01459.1/ora	8.5	0	0	2	MASCOT	T	PLEX8
8.99E-03	0|0	orange1.1t01459.1/ora	8.5	0	0	2	MASCOT	T	PLEX8
7.60E-03	0|0	orange1.1t01459.1/ora	8.5	0	0	2	MASCOT	T	PLEX8
4.17E-02	0|0	orange1.1t01459.1/ora	6	0	0	2	MASCOT	T	PLEX8
8.91E-02	0|0	orange1.1t01459.1/ora	4.03	0	0	2	MASCOT	T	PLEX8
2.43E-02	0|0	orange1.1t01459.1/ora	5.97	0	0	2	MASCOT	T	PLEX8
1.27E-01	0|0	orange1.1t01459.1/ora	5.97	0	0	2	MASCOT	T	PLEX8
1.91E-02	0|0	orange1.1t01459.1/ora	5.97	0	0	2	MASCOT	T	PLEX8
1.62E-01	0|0	orange1.1t01459.1/ora	5.97	0	0	2	MASCOT	T	PLEX8
2.42E-02	0|0	orange1.1t01459.1/ora	5.97	0	0	2	MASCOT	T	PLEX8
1.35E-01	0|0	orange1.1t01459.1/ora	5.97	0	0	2	MASCOT	T	PLEX8
2.64E-02	0|0	orange1.1t01459.1/ora	5.97	0	0	2	MASCOT	T	PLEX8
5.23E-01	0|0	Cs6g16010.1/Cs6g160	4.37	0	0	2	MASCOT	T	PLEX8
1.10E-02	0|0	Cs6g16010.1/Cs6g160	6	0	0	2	MASCOT	T	PLEX8
9.62E-02	0|0	Cs6g16010.1/Cs6g160	6	0	0	2	MASCOT	T	PLEX8

1.21E-02	0|0	Cs6g16010.1/Cs6g160	6	0	0	2	MASCOT	T	PLEX8
2.00E-02	0|0	Cs6g16010.1/Cs6g160	6	0	0	2	MASCOT	T	PLEX8
5.46E-02	0|0	Cs6g16010.1/Cs6g160	6	0	0	2	MASCOT	T	PLEX8
4.76E-02	0|0	Cs6g16010.1/Cs6g160	6	0	0	2	MASCOT	T	PLEX8
5.22E-02	0|0	Cs6g16010.1/Cs6g160	6	0	0	2	MASCOT	T	PLEX8
1.28E-02	0|0	Cs6g16010.1/Cs6g160	6	0	0	2	MASCOT	T	PLEX8
1.90E-02	0|0	Cs6g16010.1/Cs6g160	6	0	0	2	MASCOT	T	PLEX8
1.06E-01	0|0	Cs6g16010.1/Cs6g160	6	0	0	2	MASCOT	T	PLEX8
1.05E-02	0|0	Cs6g16010.1/Cs6g160	6	0	0	2	MASCOT	T	PLEX8
4.09E-01	0|0	Cs6g16010.1/Cs6g160	6	0	0	2	MASCOT	T	
3.18E-03	0|0	Cs6g16010.1/Cs6g160	8.75	0	0	2	MASCOT	T	PLEX8
7.42E-04	0|0	Cs6g16010.1/Cs6g160	8.76	0	0	2	MASCOT	T	PLEX8
4.35E-01	0|0	Cs6g16010.1/Cs6g160	8.76	0	0	2	MASCOT	T	PLEX8
2.68E-01	0|0	Cs6g16010.1/Cs6g160	8.76	0	0	2	MASCOT	T	PLEX8
5.18E-02	0|0	Cs6g16010.1/Cs6g160	5.84	0	0	2	MASCOT	T	PLEX8
3.66E-01	0|0	Cs6g16010.1/Cs6g160	5.84	0	0	2	MASCOT	T	PLEX8
1.77E-02	0|0	Cs6g16010.1/Cs6g160	5.84	0	0	2	MASCOT	T	PLEX8
1.16E-03	0|0	Cs6g16010.1/Cs6g160	4.14	0	0	2	MASCOT	T	PLEX8
2.25E-03	0|0	Cs6g16010.1/Cs6g160	4.14	0	0	2	MASCOT	T	PLEX8
2.70E-01	0|0	Cs6g16010.1/Cs6g160	4.14	0	0	2	MASCOT	T	
3.30E-02	0|0	Cs6g16010.1/Cs6g160	4.14	0	0	2	MASCOT	T	PLEX8
2.60E-03	0|0	Cs6g16010.1/Cs6g160	4.4	0	0	2	MASCOT	T	PLEX8
1.06E-02	0|0	Cs6g16010.1/Cs6g160	4.4	0	0	2	MASCOT	T	PLEX8
3.28E-03	0|0	Cs6g16010.1/Cs6g160	4.4	0	0	2	MASCOT	T	PLEX8
1.00E-01	0|0	Cs6g16010.1/Cs6g160	4.4	0	0	2	MASCOT	T	
2.60E-02	0|0	Cs6g16010.1/Cs6g160	4.4	0	0	2	MASCOT	T	
6.92E-04	0|0	Cs6g16010.1/Cs6g160	8.22	0	0	2	MASCOT	T	PLEX8
2.83E-03	0|0	Cs6g16010.1/Cs6g160	8.22	0	0	2	MASCOT	T	PLEX8
1.22E-04	0|0	Cs6g16010.1/Cs6g160	8.22	0	0	2	MASCOT	T	PLEX8
3.88E-06	0|0	Cs6g16010.1/Cs6g160	8.22	0	0	2	MASCOT	T	PLEX8
1.49E-01	0|0	Cs6g16010.1/Cs6g160	5.75	0	0	2	MASCOT	T	PLEX8
8.92E-02	0|0	Cs6g16010.1/Cs6g160	5.75	0	0	2	MASCOT	T	PLEX8
2.99E-01	0|0	Cs6g16010.1/Cs6g160	5.75	0	0	2	MASCOT	T	PLEX8
8.50E-02	0|0	Cs6g16010.1/Cs6g160	4.53	0 15.9	0	2	MASCOT	T	PLEX8
4.07E-02	0|0	Cs6g16010.1/Cs6g160	4.53	0	0	2	MASCOT	T	PLEX8
4.00E-03	0|0	Cs6g16010.1/Cs6g160	4.53	0	0	2	MASCOT	T	PLEX8
9.67E-03	0|0	Cs6g16010.1/Cs6g160	4.53	0	0	2	MASCOT	T	PLEX8
2.15E-05	0|0	Cs6g16010.1/Cs6g160	4.53	0	0	2	MASCOT	T	PLEX8
2.15E-02	0|0	Cs6g16010.1/Cs6g160	4.53	0	0	2	MASCOT	T	PLEX8
1.24E-01	0|0	Cs6g16010.1/Cs6g160	4.53	0	0	2	MASCOT	T	PLEX8
2.21E-06	0|0	Cs6g16010.1/Cs6g160	4.53	0	0	2	MASCOT	T	PLEX8
1.53E-05	0|0	Cs6g16010.1/Cs6g160	4.53	0	0	2	MASCOT	T	PLEX8
1.58E-01	0|0	Cs6g16010.1/Cs6g160	4.53	0	0	2	MASCOT	T	PLEX8
1.10E-02	0|0	Cs6g16010.1/Cs6g160	4.37	0	0	2	MASCOT	T	PLEX8
6.33E-02	0|0	Cs6g16010.1/Cs6g160	4.37	0	0	2	MASCOT	T	PLEX8
1.35E-01	0|0	Cs6g16010.1/Cs6g160	4.37	0	0	2	MASCOT	T	PLEX8
9.03E-03	0|0	Cs6g16010.1/Cs6g160	4.37	0	0	2	MASCOT	T	
1.12E-02	0|0	Cs6g16010.1/Cs6g160	6.47	0	0	2	MASCOT	T	
1.95E-01	0|0	Cs6g16010.1/Cs6g160	5.97	0	0	2	MASCOT	T	
2.41E-03	0|0	Cs6g16010.1/Cs6g160	5.97	0	0	2	MASCOT	T	
1.01E-02	0|0	Cs6g16010.1/Cs6g160	5.21	0 15.9	0	2	MASCOT	T	PLEX8

4.24E-02	0|0	Cs6g16010.1/Cs6g160	5.21	0	0	2	MASCOT	T	PLEX8
2.62E-01	0|0	Cs6g16010.1/Cs6g160	5.21	0	0	2	MASCOT	T	PLEX8
3.15E-02	0|0	Cs6g16010.1/Cs6g160	6.91	0	0	2	MASCOT	T	PLEX8
1.34E-03	0|0	Cs6g16010.1/Cs6g160	6.91	0	0	2	MASCOT	T	PLEX8
1.34E-01	0|0	Cs6g16010.1/Cs6g160	6.91	0	0	2	MASCOT	T	PLEX8
2.36E-03	0|0	Cs6g16010.1/Cs6g160	6.91	0	0	2	MASCOT	T	PLEX8
6.49E-04	0|0	Cs6g16010.1/Cs6g160	6.91	0	0	2	MASCOT	T	PLEX8
3.73E-02	0|0	Cs6g16010.1/Cs6g160	6.14	1	0	2	MASCOT	T	
1.04E-01	0|0	Cs6g16010.1/Cs6g160	4.21	0	0	2	MASCOT	T	PLEX8
1.08E-02	0|0	Cs6g16010.1/Cs6g160	4.21	0	0	2	MASCOT	T	PLEX8
7.85E-02	0|0	Cs6g16010.1/Cs6g160	4.21	0	0	2	MASCOT	T	PLEX8
2.12E-02	0|0	Cs6g16010.1/Cs6g160	4.21	0	0	2	MASCOT	T	PLEX8
4.72E-02	0|0	Cs6g16010.1/Cs6g160	4.21	0	0	2	MASCOT	T	
2.95E-02	0|0	Cs6g16010.1/Cs6g160	4.37	0	0	2	MASCOT	T	PLEX8
2.27E-02	0|0	Cs6g16010.1/Cs6g160	4.37	0	0	2	MASCOT	T	PLEX8
2.81E-02	0|0	Cs6g16010.1/Cs6g160	4.37	0	0	2	MASCOT	T	PLEX8
1.65E-04	0|0	Cs6g16010.1/Cs6g160	5.4	0	0	2	MASCOT	T	PLEX8
1.11E-01	0|0	Cs6g16010.1/Cs6g160	5.4	0	0	2	MASCOT	T	PLEX8
1.70E-01	0|0	Cs5g11720.1/Cs5g117	6.1	0	0	2	MASCOT	T	PLEX8
8.41E-02	0|0	Cs5g11720.1/Cs5g117	6.1	0	0	2	MASCOT	T	PLEX8
1.89E-01	0|0	Cs5g11720.1/Cs5g117	4.09	0	0	2	MASCOT	T	PLEX8
2.05E-02	0|0	Cs5g11720.1/Cs5g117	4.09	0	0	2	MASCOT	T	PLEX8
6.79E-02	0|0	Cs5g11720.1/Cs5g117	5.84	0	0	2	MASCOT	T	PLEX8
3.38E-03	0|0	Cs5g11720.1/Cs5g117	5.84	0	0	2	MASCOT	T	
9.72E-02	0|0	Cs5g11720.1/Cs5g117	5.84	0	0	2	MASCOT	T	
6.12E-02	0|0	Cs7g06240.1/Cs7g062	6	0	0	2	MASCOT	T	PLEX8
1.02E-03	0|0	Cs7g06240.1/Cs7g062	6	0	0	2	MASCOT	T	PLEX8
6.15E-04	0|0	Cs7g06240.1/Cs7g062	6	0	0	2	MASCOT	T	PLEX8
4.25E-03	0|0	Cs7g06240.1/Cs7g062	6	0	0	2	MASCOT	T	PLEX8
4.20E-03	0|0	Cs7g06240.1/Cs7g062	6	0	0	2	MASCOT	T	PLEX8
1.28E-01	0|0	Cs7g06240.1/Cs7g062	6	0	0	2	MASCOT	T	
6.49E-04	0|0	Cs7g06240.1/Cs7g062	6	0	0	2	MASCOT	T	PLEX8
3.03E-01	0|0	Cs7g06240.1/Cs7g062	6	0	0	2	MASCOT	T	
1.05E-05	0|0	Cs7g06240.1/Cs7g062	6	0	0	2	MASCOT	T	PLEX8
6.25E-05	0|0	Cs7g06240.1/Cs7g062	6	0	0	2	MASCOT	T	PLEX8
7.74E-02	0|0	Cs7g06240.1/Cs7g062	6	0	0	2	MASCOT	T	PLEX8
3.54E-02	0|0	Cs7g06240.1/Cs7g062	6	0	0	2	MASCOT	T	PLEX8
6.61E-03	0|0	Cs7g06240.1/Cs7g062	6	0	0	2	MASCOT	T	
2.60E-01	0|0	Cs5g11720.1/Cs5g117	5.66	0	0	2	MASCOT	T	PLEX8
6.97E-02	0|0	Cs5g11720.1/Cs5g117	5.66	0	0	2	MASCOT	T	PLEX8
1.12E-01	0|0	Cs5g11720.1/Cs5g117	4.37	0	0	2	MASCOT	T	PLEX8
2.92E-02	0|0	Cs5g11720.1/Cs5g117	6.92	0	0	2	MASCOT	T	PLEX8
7.61E-02	0|0	Cs5g11720.1/Cs5g117	6.92	0	0	2	MASCOT	T	PLEX8
6.15E-02	0|0	Cs5g11720.1/Cs5g117	6.92	0	0	2	MASCOT	T	PLEX8
3.26E-02	0|0	Cs5g11720.1/Cs5g117	6.92	0	0	2	MASCOT	T	PLEX8
3.67E-01	0|0	Cs5g11720.1/Cs5g117	11	0	0	2	MASCOT	T	PLEX8
2.84E-04	0|0	Cs5g11720.1/Cs5g117	9.8	0	0	2	MASCOT	T	PLEX8
1.16E-04	0|0	Cs5g11720.1/Cs5g117	9.8	0	0	2	MASCOT	T	
1.89E-02	0|0	Cs5g11720.1/Cs5g117	4.37	0	0	2	MASCOT	T	PLEX8
1.02E-01	0|0	Cs5g11720.1/Cs5g117	4.37	0	0	2	MASCOT	T	PLEX8
2.33E-02	0|0	Cs5g11720.1/Cs5g117	4.37	0	0	2	MASCOT	T	PLEX8

3.51E-01	0|0	Cs5g11720.1/Cs5g117	4.37	0	0	2	MASCOT	T	PLEX8
2.73E-01	0|0	Cs5g11720.1/Cs5g117	4.37	0	0	2	MASCOT	T	PLEX8
8.09E-04	0|0	Cs5g11720.1/Cs5g117	4.09	0	0	2	MASCOT	T	
3.95E-06	0|0	Cs5g11720.1/Cs5g117	4.09	0	0	2	MASCOT	T	
9.81E-04	0|0	Cs5g11720.1/Cs5g117	4.09	0	0	2	MASCOT	T	
6.30E-04	0|0	Cs5g11720.1/Cs5g117	4.09	0	0	2	MASCOT	T	
4.43E-03	0|0	Cs5g11720.1/Cs5g117	4.21	0	0	2	MASCOT	T	
1.16E-02	0|0	Cs5g11720.1/Cs5g117	4.65	0	15.9	0	2	MASCOT	T
8.32E-04	0|0	Cs5g11720.1/Cs5g117	4.65	0	0	2	MASCOT	T	PLEX8
1.10E-03	0|0	Cs5g11720.1/Cs5g117	4.65	0	0	2	MASCOT	T	PLEX8
6.10E-03	0|0	Cs5g11720.1/Cs5g117	4.65	0	0	2	MASCOT	T	
8.54E-04	0|0	Cs5g11720.1/Cs5g117	4.65	0	0	2	MASCOT	T	
1.73E-02	0|0	Cs5g11720.1/Cs5g117	4.31	0	0	2	MASCOT	T	
9.24E-03	0|0	Cs5g11720.1/Cs5g117	5.84	0	15.9	0	2	MASCOT	T
1.73E-01	0|0	Cs5g11720.1/Cs5g117	5.84	0	0	2	MASCOT	T	
1.43E-02	0|0	Cs5g11720.1/Cs5g117	4.75	0	0	2	MASCOT	T	PLEX8
2.53E-03	0|0	Cs5g11720.1/Cs5g117	4.75	0	0	2	MASCOT	T	
2.31E-01	0|0	Cs5g11720.1/Cs5g117	4.75	0	0	2	MASCOT	T	
1.64E-01	0|0	Cs5g11720.1/Cs5g117	4.75	0	0	2	MASCOT	T	
1.11E-03	0|0	Cs5g11720.1/Cs5g117	4.75	0	0	2	MASCOT	T	
1.18E-01	0|0	Cs5g11720.1/Cs5g117	6	0	0	2	MASCOT	T	PLEX8
7.08E-02	0|0	Cs5g11720.1/Cs5g117	4.68	0	0	2	MASCOT	T	PLEX8
1.19E-03	0|0	Cs5g11720.1/Cs5g117	4.68	0	0	2	MASCOT	T	PLEX8
1.29E-01	0|0	Cs5g11720.1/Cs5g117	4.68	0	0	2	MASCOT	T	
6.33E-02	0|0	Cs5g11720.1/Cs5g117	8.75	1	0	2	MASCOT	T	PLEX8
2.26E-01	0|0	Cs5g11720.1/Cs5g117	8.72	0	0	2	MASCOT	T	PLEX8
3.06E-01	0|0	Cs5g11720.1/Cs5g117	8.72	0	0	2	MASCOT	T	PLEX8
2.56E-01	0|0	Cs5g11720.1/Cs5g117	8.72	0	0	2	MASCOT	T	PLEX8
3.76E-05	0|0	Cs7g12130.1/Cs7g121	4.37	0	0	2	MASCOT	T	
1.42E-05	0|0	Cs7g12130.1/Cs7g121	4.37	0	0	2	MASCOT	T	
1.23E-03	0|0	Cs7g12130.1/Cs7g121	4.37	0	0	2	MASCOT	T	
7.06E-02	0|0	Cs7g12130.1/Cs7g121	4.14	0	0	2	MASCOT	T	PLEX8
6.15E-02	0|0	Cs7g12130.1/Cs7g121	4.14	0	0	2	MASCOT	T	PLEX8
2.64E-03	0|0	Cs7g12130.1/Cs7g121	3.89	1	0	2	MASCOT	T	
9.86E-03	0|0	Cs7g12130.1/Cs7g121	4.14	0	0	2	MASCOT	T	
2.65E-02	0|0	Cs7g12130.1/Cs7g121	4.14	0	0	2	MASCOT	T	
2.27E-01	0|0	Cs7g12130.1/Cs7g121	4.14	0	0	2	MASCOT	T	
6.91E-02	0|0	Cs7g12130.1/Cs7g121	4.14	0	0	2	MASCOT	T	
2.75E-04	0|0	Cs7g12130.1/Cs7g121	4.14	0	0	2	MASCOT	T	
1.27E-01	0|0	Cs7g12130.1/Cs7g121	4.14	0	0	2	MASCOT	T	
5.58E-02	0|0	Cs7g12130.1/Cs7g121	4.53	0	0	2	MASCOT	T	PLEX8
1.01E-02	0|0	Cs7g12130.1/Cs7g121	5.32	0	0	2	MASCOT	T	PLEX8
4.22E-02	0|0	Cs7g12130.1/Cs7g121	5.32	0	0	2	MASCOT	T	PLEX8
2.00E-01	0|0	Cs7g12130.1/Cs7g121	4.21	0	0	2	MASCOT	T	PLEX8
7.13E-02	0|0	Cs7g12130.1/Cs7g121	4.21	0	0	2	MASCOT	T	PLEX8
8.91E-04	0|0	Cs2g19730.1/Cs2g197	6	0	0	2	MASCOT	T	PLEX8
1.63E-03	0|0	Cs7g12130.1/Cs7g121	5.83	0	0	2	MASCOT	T	PLEX8
3.24E-03	0|0	Cs7g12130.1/Cs7g121	5.83	0	0	2	MASCOT	T	PLEX8
3.43E-03	0|0	Cs7g12130.1/Cs7g121	5.83	0	0	2	MASCOT	T	PLEX8
5.68E-06	0|0	Cs7g12130.1/Cs7g121	5.83	0	0	2	MASCOT	T	PLEX8
1.91E-03	0|0	Cs7g12130.1/Cs7g121	5.83	0	0	2	MASCOT	T	PLEX8

7.30E-03	0|0	Cs7g12130.1/Cs7g121	5.83	0	0	2	MASCOT	T	PLEX8
3.03E-03	0|0	Cs7g12130.1/Cs7g121	5.83	0	0	2	MASCOT	T	PLEX8
9.64E-04	0|0	Cs7g12130.1/Cs7g121	5.83	0	0	2	MASCOT	T	PLEX8
1.60E-05	0|0	Cs7g12130.1/Cs7g121	4.14	0	0	2	MASCOT	T	
2.46E-03	0|0	Cs2g19730.1/Cs2g197	12	1	0	2	MASCOT	T	
2.22E-01	0|0	Cs7g12130.1/Cs7g121	5.72	0	0	2	MASCOT	T	PLEX8
3.71E-03	0|0	Cs7g12130.1/Cs7g121	4.03	0	0	2	MASCOT	T	PLEX8
1.57E-03	0|0	Cs7g12130.1/Cs7g121	4.03	0	0	2	MASCOT	T	PLEX8
2.91E-01	0|0	Cs7g12130.1/Cs7g121	4.03	0	0	2	MASCOT	T	PLEX8
1.58E-01	0|0	Cs7g12130.1/Cs7g121	4.03	0	0	2	MASCOT	T	PLEX8
6.78E-04	0|0	Cs7g12130.1/Cs7g121	4.03	0	0	2	MASCOT	T	PLEX8
5.08E-04	0|0	Cs7g12130.1/Cs7g121	4.03	0	0	2	MASCOT	T	PLEX8
1.62E-01	0|0	Cs7g12130.1/Cs7g121	4.03	0	0	2	MASCOT	T	PLEX8
1.09E-01	0|0	Cs7g12130.1/Cs7g121	8.59	0	0	2	MASCOT	T	PLEX8
4.13E-03	0|0	Cs7g12130.1/Cs7g121	4.56	0	15.9	0	2	MASCOT	T
5.27E-05	0|0	Cs7g12130.1/Cs7g121	4.56	0	0	2	MASCOT	T	PLEX8
7.60E-04	0|0	Cs7g12130.1/Cs7g121	5.32	0	0	2	MASCOT	T	PLEX8
2.72E-02	0|0	Cs7g12130.1/Cs7g121	5.32	0	0	2	MASCOT	T	PLEX8
4.28E-04	0|0	Cs7g12130.1/Cs7g121	5.32	0	0	2	MASCOT	T	PLEX8
2.60E-01	0|0	Cs7g12130.1/Cs7g121	5.32	0	0	2	MASCOT	T	PLEX8
1.52E-01	0|0	Cs7g12130.1/Cs7g121	5.32	0	0	2	MASCOT	T	
2.48E-03	0|0	Cs7g12130.1/Cs7g121	4.56	1	0	2	MASCOT	T	PLEX8
5.21E-04	0|0	Cs7g12130.1/Cs7g121	8.22	0	0	2	MASCOT	T	PLEX8
7.40E-03	0|0	Cs7g12130.1/Cs7g121	8.22	0	0	2	MASCOT	T	PLEX8
3.42E-02	0|0	Cs7g12130.1/Cs7g121	8.22	0	0	2	MASCOT	T	PLEX8
9.92E-02	0|0	Cs7g12130.1/Cs7g121	6.75	1	0	2	MASCOT	T	PLEX8
4.68E-02	0|0	Cs7g12130.1/Cs7g121	6.75	1	0	2	MASCOT	T	PLEX8
4.35E-02	0|0	Cs7g12130.1/Cs7g121	4.53	0	15.9	0	2	MASCOT	T
3.66E-01	0|0	Cs7g12130.1/Cs7g121	4.53	0	15.9	0	2	MASCOT	T
5.24E-04	0|0	Cs7g12130.1/Cs7g121	4.53	0	0	2	MASCOT	T	
1.85E-01	0|0	Cs2g19730.1/Cs2g197	8.59	0	0	2	MASCOT	T	
1.12E-01	0|0	orange1.1t03475.1	5.88	0	0	2	MASCOT	T	PLEX8
2.02E-05	0|0	orange1.1t03475.1	5.88	0	0	2	MASCOT	T	PLEX8
3.39E-02	0|0	orange1.1t03475.1	4.37	0	15.9	0	2	MASCOT	T
1.56E-01	0|0	orange1.1t03475.1	4.37	0	0	2	MASCOT	T	PLEX8
1.34E-03	0|0	orange1.1t03475.1	4.37	0	0	2	MASCOT	T	PLEX8
5.99E-03	0|0	orange1.1t03475.1	4.37	0	0	2	MASCOT	T	PLEX8
7.79E-03	0|0	orange1.1t03475.1	4.37	0	0	2	MASCOT	T	PLEX8
5.70E-02	0|0	orange1.1t03475.1	3.93	0	0	2	MASCOT	T	PLEX8
7.90E-02	0|0	orange1.1t03475.1	3.83	0	0	2	MASCOT	T	PLEX8
1.84E-05	0|0	orange1.1t03475.1	3.83	0	0	2	MASCOT	T	PLEX8
6.64E-02	0|0	orange1.1t03475.1	4.37	0	0	2	MASCOT	T	PLEX8
2.16E-03	0|0	orange1.1t03475.1	6.74	0	0	2	MASCOT	T	PLEX8
7.79E-05	0|0	orange1.1t03475.1	6.74	0	0	2	MASCOT	T	PLEX8
1.53E-03	0|0	orange1.1t03475.1	6.74	0	0	2	MASCOT	T	PLEX8
1.37E-01	0|0	orange1.1t03475.1	6	0	0	2	MASCOT	T	PLEX8
8.89E-06	0|0	orange1.1t03475.1	5.84	0	0	2	MASCOT	T	PLEX8
5.75E-04	0|0	orange1.1t03475.1	5.84	0	0	2	MASCOT	T	PLEX8
8.88E-02	0|0	orange1.1t03475.1	5.84	0	0	2	MASCOT	T	PLEX8
2.47E-05	0|0	orange1.1t03475.1	5.84	0	0	2	MASCOT	T	PLEX8
4.59E-03	0|0	orange1.1t03475.1	5.84	0	0	2	MASCOT	T	PLEX8

6.81E-04	0|0	orange1.1t03475.1	5.32	0	0	2	MASCOT	T	PLEX8
2.80E-04	0|0	orange1.1t03475.1	8.75	0	0	2	MASCOT	T	
2.01E-01	0|0	orange1.1t03475.1	4.37	0	0	2	MASCOT	T	PLEX8
7.26E-02	0|0	orange1.1t03475.1	4	0	0	2	MASCOT	T	PLEX8
2.66E-04	0|0	orange1.1t03475.1	4	0	0	2	MASCOT	T	PLEX8
1.57E-02	0|0	orange1.1t03475.1	5.55	0	0	2	MASCOT	T	PLEX8
3.63E-02	0|0	orange1.1t03475.1	5.55	0	0	2	MASCOT	T	PLEX8
3.57E-01	0|0	orange1.1t03475.1	5.55	0	0	2	MASCOT	T	PLEX8
7.47E-03	0|0	orange1.1t03475.1	5.55	0	0	2	MASCOT	T	PLEX8
7.40E-04	0|0	orange1.1t03475.1	5.55	0	0	2	MASCOT	T	PLEX8
4.11E-02	0|0	orange1.1t03475.1	5.55	0	0	2	MASCOT	T	PLEX8
3.53E-01	0|0	orange1.1t03475.1	5.55	0	0	2	MASCOT	T	PLEX8
1.49E-01	0|0	orange1.1t03475.1	4.48	0	0	2	MASCOT	T	PLEX8
8.33E-02	0|0	orange1.1t03475.1	4.48	0	0	2	MASCOT	T	PLEX8
9.40E-02	0|0	orange1.1t03475.1	8.8	0	0	2	MASCOT	T	PLEX8
8.19E-02	0|0	orange1.1t03475.1	8.8	0	0	2	MASCOT	T	PLEX8
2.57E-01	0|0	orange1.1t03475.1	5.84	0	0	2	MASCOT	T	
1.49E-03	0|0	orange1.1t03475.1	4.37	0	0	2	MASCOT	T	PLEX8
2.54E-02	0|0	orange1.1t03475.1	4.37	0	0	2	MASCOT	T	PLEX8
6.53E-04	0|0	orange1.1t03475.1	4.37	0	0	2	MASCOT	T	PLEX8
7.84E-02	0|0	orange1.1t03475.1	4.37	0	0	2	MASCOT	T	PLEX8
1.56E-02	0|0	orange1.1t03475.1	4.37	0	0	2	MASCOT	T	PLEX8
2.60E-01	0|0	orange1.1t03475.1	4.37	0	0	2	MASCOT	T	PLEX8
1.46E-02	0|0	orange1.1t03475.1	4.37	0	0	2	MASCOT	T	PLEX8
2.64E-02	0|0	orange1.1t03475.1	6	0	0	2	MASCOT	T	PLEX8
4.50E-03	0|0	orange1.1t03475.1	5.84	0	0	2	MASCOT	T	PLEX8
1.52E-02	0|0	orange1.1t03475.1	4.03	0	0	2	MASCOT	T	PLEX8
2.95E-02	0|0	orange1.1t03475.1	4.03	0	0	2	MASCOT	T	PLEX8
1.10E-01	0|0	orange1.1t02795.1	4.14	0	0	2	MASCOT	T	PLEX8
7.31E-03	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	PLEX8
4.80E-03	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	PLEX8
3.22E-04	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	PLEX8
1.19E-03	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	PLEX8
2.35E-03	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	PLEX8
2.57E-04	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	PLEX8
1.20E-03	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	PLEX8
2.44E-05	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	PLEX8
3.25E-04	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	
6.28E-06	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	PLEX8
2.48E-03	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	
2.90E-05	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	
1.03E-03	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	
2.82E-03	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	
1.54E-03	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	
1.12E-04	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	
7.95E-04	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	
1.12E-01	0|0	Cs6g05890.1/Cs7g289	4.53	0	0	2	MASCOT	T	PLEX8
1.72E-06	0|0	orange1.1t02795.1	5.84	0	15.9	0	2	MASCOT	T
2.12E-03	0|0	orange1.1t02795.1	5.84	0	0	2	MASCOT	T	
7.21E-04	0|0	orange1.1t02795.1	4.37	0	0	2	MASCOT	T	PLEX8
4.86E-01	0|0	orange1.1t02795.1	4.37	0	0	2	MASCOT	T	PLEX8

2.64E-01	0|0	orange1.1t02795.1	4.37	0	0	2	MASCOT	T	PLEX8	
4.94E-05	0|0	orange1.1t02795.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.41E-03	0|0	orange1.1t02795.1	4.37	0	0	2	MASCOT	T	PLEX8	
2.23E-02	0|0	orange1.1t02795.1	5.4	0	0	2	MASCOT	T	PLEX8	
6.39E-04	0|0	orange1.1t02795.1	5.4	0	0	2	MASCOT	T	PLEX8	
1.32E-06	0|0	orange1.1t02795.1	5.4	0	0	2	MASCOT	T	PLEX8	
1.59E-07	0|0	orange1.1t02795.1	5.4	0	0	2	MASCOT	T	PLEX8	
1.03E-02	0|0	orange1.1t02795.1	5.4	0	0	2	MASCOT	T	PLEX8	
1.10E-01	0|0	Cs8g18260.1 ! orange1	4.53	0	0	2	MASCOT	T	PLEX8	
1.41E-04	0|0	Cs8g18260.1 ! orange1	4.53	0	0	2	MASCOT	T	PLEX8	
2.87E-04	0|0	Cs8g18260.1 ! orange1	4.53	0	0	2	MASCOT	T	PLEX8	
7.45E-06	0|0	Cs8g18260.1 ! orange1	4.53	0	0	2	MASCOT	T	PLEX8	
4.83E-03	0|0	Cs8g18260.1 ! orange1	4.53	0	0	2	MASCOT	T	PLEX8	
2.07E-01	0|0	Cs8g18260.1 ! orange1	4.53	0	0	2	MASCOT	T	PLEX8	
1.51E-01	0|0	Cs8g18260.1 ! orange1	4.53	0	0	2	MASCOT	T	PLEX8	
8.12E-02	0|0	Cs8g18260.1 ! orange1	4.53	0	0	2	MASCOT	T	PLEX8	
2.21E-01	0|0	Cs8g18260.1 ! orange1	4.53	0	0	2	MASCOT	T	PLEX8	
1.71E-02	0|0	orange1.1t02795.1	6	0	0	2	MASCOT	T	PLEX8	
1.11E-01	0|0	Cs6g05890.1/Cs7g289	4.53	0	0	2	MASCOT	T	PLEX8	
1.48E-01	0|0	Cs6g05890.1/Cs7g289	4.53	0	0	2	MASCOT	T	PLEX8	
2.10E-02	0|0	Cs6g05890.1/Cs7g289	4.53	0	0	2	MASCOT	T	PLEX8	
6.37E-02	0|0	Cs6g05890.1/Cs7g289	4.53	0	0	2	MASCOT	T	PLEX8	
1.17E-01	0|0	Cs6g05890.1/Cs7g289	4.53	0	0	2	MASCOT	T	PLEX8	
7.03E-03	0|0	Cs6g05890.1/Cs7g289	4.53	0	0	2	MASCOT	T	PLEX8	
5.02E-02	0|0	Cs6g05890.1/Cs7g289	5.84	0	0	2	MASCOT	T	PLEX8	
2.46E-02	0|0	Cs6g05890.1/Cs7g289	5.84	0	0	2	MASCOT	T	PLEX8	
9.87E-03	0|0	Cs6g05890.1/Cs7g289	5.84	0	0	2	MASCOT	T		
1.01E-01	0|0	Cs6g05890.1/Cs7g289	5.84	0	0	2	MASCOT	T		
9.58E-04	0|0	Cs6g05890.1/Cs7g289	5.84	0	0	2	MASCOT	T	PLEX8	
5.56E-03	0|0	Cs6g05890.1/Cs7g289	5.84	0	0	2	MASCOT	T	PLEX8	
1.67E-02	0|0	orange1.1t02795.1	5.84	0	0	2	MASCOT	T	PLEX8	
3.50E-02	0|0	orange1.1t02795.1	5.84	0	0	2	MASCOT	T	PLEX8	
1.40E-02	0|0	orange1.1t02795.1	5.84	0	0	2	MASCOT	T	PLEX8	
2.49E-01	0|0	orange1.1t02795.1	5.84	0	0	2	MASCOT	T	PLEX8	
2.97E-02	0|0	orange1.1t02795.1	5.84	0	0	2	MASCOT	T		
1.80E-02	0|0	orange1.1t02795.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
9.96E-04	0|0	orange1.1t02795.1	5.84	0	0	2	MASCOT	T	PLEX8	
2.54E-04	0|0	orange1.1t02795.1	5.84	0	0	2	MASCOT	T	PLEX8	
3.35E-02	0|0	orange1.1t02795.1	5.84	0	0	2	MASCOT	T	PLEX8	
3.46E-02	0|0	orange1.1t02795.1	6.14	1	0	2	MASCOT	T	PLEX8	
1.12E-02	0|0	orange1.1t02795.1	6.46	0	0	2	MASCOT	T	PLEX8	
7.52E-04	0|0	orange1.1t02795.1	6.46	0	0	2	MASCOT	T	PLEX8	
2.30E-03	0|0	orange1.1t02795.1	6.46	0	0	2	MASCOT	T	PLEX8	
2.32E-03	0|0	orange1.1t02795.1	6.46	0	0	2	MASCOT	T	PLEX8	
2.41E-03	0|0	Cs6g05890.1/Cs7g289	4.14	0	15.9	0	2	MASCOT	T	
1.31E-03	0|0	Cs6g05890.1/Cs7g289	4.14	0	15.9	0	2	MASCOT	T	
4.30E-05	0|0	Cs6g05890.1/Cs7g289	4.14	0	15.9	0	2	MASCOT	T	
1.18E-01	0|0	orange1.1t02795.1	4.53	0	15.9	0	2	MASCOT	T	
2.53E-03	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	PLEX8	
9.99E-05	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	PLEX8	
2.21E-02	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	PLEX8	

9.07E-04	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	PLEX8
3.84E-04	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	
2.48E-06	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	
6.64E-05	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	
2.69E-04	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	
5.09E-01	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	
2.25E-01	0|0	orange1.1t02795.1	6.75	0	0	2	MASCOT	T	PLEX8
1.06E-01	0|0	orange1.1t02795.1	6.75	0	0	2	MASCOT	T	
7.71E-05	0|0	orange1.1t02795.1	6.75	0	0	2	MASCOT	T	PLEX8
1.55E-01	0|0	orange1.1t02795.1	6.75	0	0	2	MASCOT	T	PLEX8
1.60E-03	0|0	orange1.1t02795.1	6.75	0	0	2	MASCOT	T	PLEX8
1.04E-01	0|0	Cs7g28940.1/Cs8g182	4.37	0	0	2	MASCOT	T	PLEX8
1.77E-02	0|0	Cs7g28940.1/Cs8g182	4.37	0	0	2	MASCOT	T	PLEX8
4.27E-04	0|0	Cs7g28940.1/Cs8g182	4.37	0	0	2	MASCOT	T	PLEX8
4.02E-05	0|0	Cs7g28940.1/Cs8g182	4.37	0	0	2	MASCOT	T	PLEX8
4.78E-02	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	
3.94E-06	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	
2.32E-02	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	
6.87E-06	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	
3.44E-02	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	
1.67E-02	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	
5.59E-02	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	
1.30E-02	0|0	orange1.1t03280.1/ora	3.92	0	0	2	MASCOT	T	PLEX8
3.53E-04	0|0	orange1.1t03280.1/ora	3.92	0	0	2	MASCOT	T	PLEX8
9.23E-02	0|0	orange1.1t03280.1/ora	3.92	0	0	2	MASCOT	T	PLEX8
1.20E-02	0|0	orange1.1t03280.1/ora	4.37	0	0	2	MASCOT	T	
3.34E-05	0|0	orange1.1t03280.1/ora	4.37	0	0	2	MASCOT	T	
2.05E-03	0|0	orange1.1t03280.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
9.25E-03	0|0	orange1.1t03280.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
2.48E-04	0|0	orange1.1t03280.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
2.66E-03	0|0	orange1.1t03280.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
1.57E-03	0|0	orange1.1t03280.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
1.12E-03	0|0	orange1.1t03280.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
9.23E-02	0|0	orange1.1t03280.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
4.48E-01	0|0	orange1.1t03280.1/ora	5.84	0	0	2	MASCOT	T	PLEX8
1.03E-01	0|0	orange1.1t03280.1/ora	5.84	0	0	2	MASCOT	T	PLEX8
1.56E-02	0|0	orange1.1t03280.1	6	0	0	2	MASCOT	T	PLEX8
6.23E-04	0|0	orange1.1t03280.1	6	0	0	2	MASCOT	T	PLEX8
3.83E-02	0|0	orange1.1t03280.1	6	0	0	2	MASCOT	T	PLEX8
3.75E-02	0|0	orange1.1t03280.1	6	0	0	2	MASCOT	T	PLEX8
7.90E-02	0|0	orange1.1t03280.1	6	0	0	2	MASCOT	T	PLEX8
1.42E-03	0|0	orange1.1t03280.1	6	0	0	2	MASCOT	T	PLEX8
2.07E-02	0|0	orange1.1t03280.1	6	0	0	2	MASCOT	T	PLEX8
9.28E-04	0|0	orange1.1t03280.1	6	0	0	2	MASCOT	T	PLEX8
1.65E-03	0|0	orange1.1t03280.1	6	0	0	2	MASCOT	T	PLEX8
4.70E-02	0|0	orange1.1t03280.1	6	0	0	2	MASCOT	T	PLEX8
2.30E-02	0|0	orange1.1t03280.1	6	0	0	2	MASCOT	T	PLEX8
5.13E-02	0|0	orange1.1t03280.1	6	0	0	2	MASCOT	T	PLEX8
4.40E-02	0|0	orange1.1t03280.1/ora	9.75	0	0	2	MASCOT	T	PLEX8
1.30E-01	0|0	orange1.1t03280.1/ora	9.75	0	0	2	MASCOT	T	PLEX8
2.99E-01	0|0	orange1.1t03280.1/ora	9.75	0	0	2	MASCOT	T	

2.45E-03	0|0	orange1.1t03280.1/ora	9.75	0	0	2	MASCOT	T	
1.08E-03	0|0	orange1.1t03280.1/ora	9.75	0	0	2	MASCOT	T	
3.17E-01	0|0	orange1.1t03280.1/ora	4.21	0	0	2	MASCOT	T	
2.31E-03	0|0	orange1.1t03280.1/ora	4.21	0	0	2	MASCOT	T	PLEX8
2.95E-03	0|0	orange1.1t03280.1/ora	4.21	0	0	2	MASCOT	T	PLEX8
4.53E-02	0|0	orange1.1t03280.1/ora	4.21	0	0	2	MASCOT	T	
2.89E-04	0|0	orange1.1t03280.1/ora	4.21	0	0	2	MASCOT	T	
3.54E-04	0|0	orange1.1t03280.1/ora	4.21	0	0	2	MASCOT	T	
3.17E-02	0|0	orange1.1t03280.1/ora	4.21	0	0	2	MASCOT	T	
1.34E-02	0|0	orange1.1t03280.1/ora	4.21	0	0	2	MASCOT	T	
1.36E-01	0|0	orange1.1t03280.1/ora	4.21	0	0	2	MASCOT	T	
4.30E-04	0|0	orange1.1t03280.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
4.21E-04	0|0	orange1.1t03280.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
4.57E-06	0|0	orange1.1t03280.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
3.57E-03	0|0	orange1.1t03280.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
4.12E-06	0|0	orange1.1t03280.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
2.04E-03	0|0	orange1.1t03280.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
1.48E-01	0|0	orange1.1t03280.1/ora	4.37	0	0	2	MASCOT	T	
2.85E-07	0|0	orange1.1t03280.1/ora	4.37	0	0	2	MASCOT	T	
5.68E-09	0|0	orange1.1t03280.1/ora	4.37	0	0	2	MASCOT	T	
2.71E-08	0|0	orange1.1t03280.1/ora	4.37	0	0	2	MASCOT	T	
2.82E-06	0|0	orange1.1t03280.1/ora	4.37	0	0	2	MASCOT	T	
2.71E-06	0|0	orange1.1t03280.1/ora	4.37	0	0	2	MASCOT	T	
3.74E-02	0|0	orange1.1t03280.1/ora	8.76	0	0	2	MASCOT	T	PLEX8
9.60E-02	0|0	orange1.1t03280.1	5.84	0	0	2	MASCOT	T	PLEX8
3.04E-01	0|0	orange1.1t03280.1/ora	5.21	0	0	2	MASCOT	T	
5.36E-02	0|0	orange1.1t03280.1/ora	5.84	0	0	2	MASCOT	T	PLEX8
4.54E-01	0|0	orange1.1t03280.1/ora	11	0	0	2	MASCOT	T	PLEX8
2.26E-02	0|0	orange1.1t03280.1/ora	11	0	0	2	MASCOT	T	
1.10E-01	0|0	orange1.1t03280.1/ora	11	0	0	2	MASCOT	T	PLEX8
2.29E-01	0|0	orange1.1t03280.1/ora	11	0	0	2	MASCOT	T	
3.06E-02	0|0	orange1.1t03280.1/ora	11	0	0	2	MASCOT	T	
5.51E-02	0|0	orange1.1t03280.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
1.92E-01	0|0	orange1.1t03280.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
9.32E-03	0|0	orange1.1t03280.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
1.03E-04	0|0	orange1.1t03280.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
6.17E-04	0|0	orange1.1t03280.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
3.87E-03	0|0	orange1.1t03280.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
3.33E-02	0|0	orange1.1t03280.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
1.72E-02	0|0	orange1.1t03280.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
1.33E-04	0|0	orange1.1t03280.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
1.02E-04	0|0	orange1.1t03280.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
4.67E-02	0|0	orange1.1t03280.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
7.64E-02	0|0	orange1.1t03280.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
1.90E-02	0|0	orange1.1t03280.1	4.37	0	0	2	MASCOT	T	PLEX8
5.48E-03	0|0	orange1.1t03280.1	4.37	0	0	2	MASCOT	T	PLEX8
1.15E-01	0|0	orange1.1t03280.1	4.37	0	0	2	MASCOT	T	PLEX8
5.65E-04	0|0	orange1.1t03280.1	4.37	0	0	2	MASCOT	T	PLEX8
1.32E-01	0|0	orange1.1t03280.1	4.37	0	0	2	MASCOT	T	PLEX8
2.08E-01	0|0	orange1.1t03280.1	4.37	0	0	2	MASCOT	T	PLEX8
2.16E-04	0|0	orange1.1t03280.1	4.37	0	0	2	MASCOT	T	PLEX8

5.91E-02	0|0	orange1.1t03280.1/ora	11	0	0	2	MASCOT	T	PLEX8	
3.45E-01	0|0	orange1.1t03280.1/ora	11	0	0	2	MASCOT	T	PLEX8	
1.06E-02	0|0	orange1.1t03280.1/ora	9.7	0	0	2	MASCOT	T	PLEX8	
3.76E-02	0|0	orange1.1t03280.1/ora	8.8	0	0	2	MASCOT	T	PLEX8	
2.57E-02	0|0	orange1.1t03280.1/ora	8.8	0	0	2	MASCOT	T	PLEX8	
3.28E-02	0|0	orange1.1t03280.1/ora	8.8	0	0	2	MASCOT	T	PLEX8	
5.31E-02	0|0	orange1.1t03280.1/ora	8.8	0	0	2	MASCOT	T	PLEX8	
3.57E-02	0|0	orange1.1t03280.1/ora	8.8	0	0	2	MASCOT	T		
9.17E-03	0|0	orange1.1t03280.1/ora	6.79	0	0	2	MASCOT	T	PLEX8	
1.14E-02	0|0	orange1.1t03280.1/ora	6.79	0	0	2	MASCOT	T	PLEX8	
5.09E-04	0|0	orange1.1t03280.1/ora	6.79	0	0	2	MASCOT	T	PLEX8	
2.35E-03	0|0	orange1.1t03280.1/ora	6.79	0	0	2	MASCOT	T		
2.14E-03	0|0	orange1.1t03280.1/ora	6.79	0	0	2	MASCOT	T		
1.03E-01	0|0	orange1.1t03280.1/ora	4.79	1	0	2	MASCOT	T		
5.24E-03	0|0	orange1.1t03280.1/ora	6	0	0	2	MASCOT	T	PLEX8	
2.51E-02	0|0	orange1.1t03280.1/ora	6	0	0	2	MASCOT	T		
8.68E-03	0|0	Cs5g02720.1/orange1.	4.54	0	0	2	MASCOT	T	PLEX8	
8.11E-06	0|0	Cs5g02720.1/orange1.	4.54	0	0	2	MASCOT	T	PLEX8	
4.54E-02	0|0	Cs5g02720.1/orange1.	5.38	1	0	2	MASCOT	T	PLEX8	
7.62E-03	0|0	Cs5g02720.1/orange1.	3.83	0	0	2	MASCOT	T	PLEX8	
1.06E-01	0|0	Cs5g02720.1/orange1.	4.75	1	0	2	MASCOT	T		
1.33E-01	0|0	Cs5g02720.1/orange1.	4.75	1	0	2	MASCOT	T	PLEX8	
1.03E-01	0|0	Cs5g02720.1/orange1.	4.75	1	0	2	MASCOT	T	PLEX8	
9.05E-03	0|0	Cs5g02720.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
3.17E-03	0|0	Cs5g02720.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
1.99E-02	0|0	Cs5g02720.1	6	0	0	2	MASCOT	T	PLEX8	
5.36E-03	0|0	Cs5g02720.1	6	0	0	2	MASCOT	T	PLEX8	
1.87E-02	0|0	Cs6g19310.1/Cs7g123	8.22	0	15.9	0	2	MASCOT	T	PLEX8
9.19E-02	0|0	Cs6g19310.1/Cs7g123	8.22	0	15.9	0	2	MASCOT	T	PLEX8
2.19E-02	0|0	Cs5g02720.1/orange1.	5.96	1	0	2	MASCOT	T		
9.13E-03	0|0	Cs5g02720.1/orange1.	5.96	1	0	2	MASCOT	T		
1.40E-07	0|0	Cs5g02720.1	4.03	0	0	2	MASCOT	T	PLEX8	
1.38E-07	0|0	Cs5g02720.1	4.03	0	0	2	MASCOT	T		
3.20E-02	0|0	Cs5g02720.1/orange1.	12	1	0	2	MASCOT	T	PLEX8	
9.86E-02	0|0	Cs5g02720.1/orange1.	12	1	0	2	MASCOT	T		
9.25E-02	0|0	Cs5g02720.1/Cs6g193	5.88	0	0	2	MASCOT	T	PLEX8	
2.25E-01	0|0	Cs5g02720.1	9.6	0	0	2	MASCOT	T	PLEX8	
4.88E-04	0|0	Cs5g02720.1	5.32	0	0	2	MASCOT	T	PLEX8	
1.19E-02	0|0	Cs5g02720.1	5.32	0	0	2	MASCOT	T	PLEX8	
4.68E-03	0|0	Cs5g02720.1	5.32	0	0	2	MASCOT	T	PLEX8	
3.63E-04	0|0	Cs5g02720.1	5.32	0	0	2	MASCOT	T	PLEX8	
3.46E-04	0|0	Cs5g02720.1	5.32	0	0	2	MASCOT	T	PLEX8	
2.54E-02	0|0	Cs5g02720.1	5.32	0	0	2	MASCOT	T	PLEX8	
1.36E-02	0|0	Cs5g02720.1	6.85	0	0	2	MASCOT	T	PLEX8	
4.92E-02	0|0	Cs5g02720.1	6.85	0	0	2	MASCOT	T	PLEX8	
6.65E-04	0|0	Cs5g02720.1	6.85	0	0	2	MASCOT	T	PLEX8	
3.04E-04	0|0	Cs5g02720.1	6.85	0	0	2	MASCOT	T	PLEX8	
7.38E-02	0|0	Cs5g02720.1	6.85	0	0	2	MASCOT	T	PLEX8	
1.86E-03	0|0	Cs5g02720.1	6.85	0	0	2	MASCOT	T	PLEX8	
1.85E-02	0|0	Cs5g02720.1	6.85	0	0	2	MASCOT	T		
5.94E-03	0|0	Cs5g02720.1/orange1.	6.75	0	15.9	0	2	MASCOT	T	PLEX8

1.13E-04 0|0	Cs5g02720.1/orange1.	6.75	0	15.9	0	2	MASCOT	T	PLEX8
2.14E-03 0|0	Cs5g02720.1/orange1.	6.75	0	15.9	0	2	MASCOT	T	PLEX8
1.09E-01 0|0	Cs5g02720.1/orange1.	6.75	0	15.9	0	2	MASCOT	T	PLEX8
3.16E-05 0|0	Cs5g02720.1/orange1.	6.75	0	15.9	0	2	MASCOT	T	PLEX8
2.58E-03 0|0	Cs5g02720.1/orange1.	6.75	0	0	0	2	MASCOT	T	PLEX8
8.15E-04 0|0	Cs5g02720.1/orange1.	6.75	0	0	0	2	MASCOT	T	PLEX8
3.10E-04 0|0	Cs5g02720.1/orange1.	6.75	0	0	0	2	MASCOT	T	PLEX8
1.40E-01 0|0	Cs5g02720.1/orange1.	6.75	0	0	0	2	MASCOT	T	PLEX8
1.08E-02 0|0	Cs5g02720.1/orange1.	6.75	0	0	0	2	MASCOT	T	PLEX8
1.27E-01 0|0	Cs5g02720.1	6.75	0	0	0	2	MASCOT	T	PLEX8
4.11E-02 0|0	Cs5g02720.1	6.75	0	0	0	2	MASCOT	T	
2.10E-01 0|0	Cs5g02720.1	6.75	0	0	0	2	MASCOT	T	
3.40E-02 0|0	Cs5g02720.1	6.75	0	0	0	2	MASCOT	T	
9.83E-02 0|0	Cs5g02720.1/orange1.	4.21	0	0	0	2	MASCOT	T	PLEX8
1.06E-02 0|0	Cs5g02720.1/orange1.	4.21	0	0	0	2	MASCOT	T	PLEX8
1.31E-02 0|0	Cs5g02720.1/orange1.	4.21	0	0	0	2	MASCOT	T	
4.72E-01 0|0	Cs5g02720.1/Cs6g193	9.75	0	0	0	2	MASCOT	T	PLEX8
2.55E-01 0|0	Cs5g02720.1/Cs6g193	9.75	0	0	0	2	MASCOT	T	PLEX8
4.00E-04 0|0	Cs5g02720.1/Cs6g193	9.75	0	0	0	2	MASCOT	T	
7.15E-02 0|0	Cs5g02720.1/Cs6g193	8.59	0	0	0	2	MASCOT	T	PLEX8
3.05E-02 0|0	Cs5g02720.1/Cs6g193	8.59	0	0	0	2	MASCOT	T	PLEX8
1.66E-01 0|0	Cs5g02720.1/Cs6g193	8.59	0	0	0	2	MASCOT	T	PLEX8
1.52E-01 0|0	Cs5g02720.1/Cs6g193	8.59	0	0	0	2	MASCOT	T	
7.15E-02 0|0	Cs5g02720.1/Cs6g193	8.59	0	0	0	2	MASCOT	T	PLEX8
6.90E-02 0|0	Cs5g02720.1/Cs6g193	8.59	0	0	0	2	MASCOT	T	PLEX8
6.39E-02 0|0	Cs5g02720.1/Cs6g193	8.59	0	0	0	2	MASCOT	T	
6.05E-02 0|0	Cs5g02720.1	8.47	0	0	0	2	MASCOT	T	PLEX8
6.96E-03 0|0	Cs5g02720.1	8.47	0	0	0	2	MASCOT	T	PLEX8
5.15E-02 0|0	Cs5g02720.1	8.47	0	0	0	2	MASCOT	T	PLEX8
3.11E-02 0|0	Cs5g02720.1	8.47	0	0	0	2	MASCOT	T	PLEX8
5.00E-03 0|0	Cs5g02720.1	8.47	0	0	0	2	MASCOT	T	PLEX8
4.16E-03 0|0	Cs5g02720.1	8.47	0	0	0	2	MASCOT	T	PLEX8
3.04E-02 0|0	Cs5g02720.1	8.47	0	0	0	2	MASCOT	T	PLEX8
1.05E-01 0|0	Cs7g27470.1	5.84	0	0	0	2	MASCOT	T	PLEX8
2.38E-01 0|0	Cs7g27470.1/Cs8g169	6.1	0	0	0	2	MASCOT	T	PLEX8
6.51E-02 0|0	Cs7g27470.1/Cs8g169	6.1	0	0	0	2	MASCOT	T	PLEX8
2.81E-01 0|0	Cs7g27470.1/Cs8g169	6.1	0	0	0	2	MASCOT	T	PLEX8
6.47E-02 0|0	Cs7g27470.1/Cs8g169	6.1	0	0	0	2	MASCOT	T	PLEX8
1.90E-01 0|0	Cs7g27470.1/Cs8g169	6.1	0	0	0	2	MASCOT	T	
2.78E-02 0|0	Cs7g27470.1/Cs8g169	9.75	0	0	0	2	MASCOT	T	
8.10E-04 0|0	Cs7g27470.1/Cs8g169	9.75	0	0	0	2	MASCOT	T	
2.86E-02 0|0	Cs7g27470.1/Cs8g169	9.75	0	0	0	2	MASCOT	T	
3.67E-04 0|0	Cs7g27470.1	5.84	0	0	0	2	MASCOT	T	
6.34E-03 0|0	Cs7g27470.1	5.84	0	0	0	2	MASCOT	T	
7.65E-06 0|0	Cs7g27470.1	5.84	0	0	0	2	MASCOT	T	
6.82E-03 0|0	Cs7g27470.1	5.84	0	0	0	2	MASCOT	T	
2.17E-02 0|0	Cs7g27470.1/Cs8g169	7.96	0	0	0	2	MASCOT	T	PLEX8
1.63E-01 0|0	Cs7g27470.1/orange1.	9.47	0	0	0	2	MASCOT	T	PLEX8
7.13E-03 0|0	Cs7g27470.1	4.37	0	0	0	2	MASCOT	T	PLEX8
6.15E-02 0|0	Cs7g27470.1/Cs8g169	8.33	0	0	0	2	MASCOT	T	
1.19E-01 0|0	Cs7g27470.1/Cs8g169	8.33	0	0	0	2	MASCOT	T	

1.57E-03	0|0	Cs7g27470.1	8.05	0	0	2	MASCOT	T	PLEX8
1.35E-01	0|0	Cs7g27470.1/Cs8g169	6.73	0	0	2	MASCOT	T	PLEX8
2.83E-03	0|0	Cs7g27470.1/Cs8g169	6.73	0	0	2	MASCOT	T	PLEX8
7.14E-03	0|0	Cs7g27470.1/Cs8g169	6.73	0	0	2	MASCOT	T	PLEX8
7.81E-03	0|0	Cs7g27470.1/Cs8g169	6.73	0	0	2	MASCOT	T	PLEX8
6.06E-03	0|0	Cs7g27470.1/Cs8g169	6.73	0	0	2	MASCOT	T	PLEX8
2.45E-03	0|0	Cs7g27470.1/Cs8g169	6.73	0	0	2	MASCOT	T	
3.60E-03	0|0	Cs7g27470.1/Cs8g169	6.73	0	0	2	MASCOT	T	
1.01E-01	0|0	Cs7g27470.1/Cs8g169	6.73	0	0	2	MASCOT	T	
7.95E-03	0|0	Cs7g27470.1	6.05	0	0	2	MASCOT	T	
1.21E-01	0|0	Cs7g27470.1/orange1.	6.74	0	0	2	MASCOT	T	PLEX8
2.01E-01	0|0	Cs7g27470.1/orange1.	8.59	0	0	2	MASCOT	T	PLEX8
2.21E-01	0|0	Cs7g27470.1/orange1.	8.59	0	0	2	MASCOT	T	PLEX8
1.91E-01	0|0	Cs7g27470.1/orange1.	8.59	0	0	2	MASCOT	T	
1.17E-01	0|0	Cs7g27470.1/orange1.	8.59	0	0	2	MASCOT	T	
3.01E-02	0|0	Cs7g27470.1/orange1.	8.59	0	0	2	MASCOT	T	
1.20E-01	0|0	Cs7g27470.1	8.59	0	0	2	MASCOT	T	PLEX8
1.18E-01	0|0	Cs7g27470.1	8.59	0	0	2	MASCOT	T	
1.93E-01	0|0	Cs7g27470.1/orange1.	6.74	0	0	2	MASCOT	T	PLEX8
6.96E-02	0|0	Cs7g27470.1/orange1.	6.74	0	0	2	MASCOT	T	PLEX8
1.01E-01	0|0	Cs7g27470.1/Cs8g169	5.84	0	0	2	MASCOT	T	PLEX8
1.09E-01	0|0	Cs7g27470.1/Cs8g169	5.84	0	0	2	MASCOT	T	PLEX8
2.40E-01	0|0	Cs7g27470.1/Cs8g169	5.84	0	0	2	MASCOT	T	PLEX8
1.53E-01	0|0	Cs7g27470.1/Cs8g169	5.84	0	0	2	MASCOT	T	PLEX8
1.99E-01	0|0	Cs7g27470.1/Cs8g169	5.84	0	0	2	MASCOT	T	PLEX8
1.79E-01	0|0	Cs7g27470.1/Cs8g169	5.84	0	0	2	MASCOT	T	PLEX8
1.62E-01	0|0	Cs7g27470.1/Cs8g169	5.84	0	0	2	MASCOT	T	PLEX8
6.18E-04	0|0	Cs7g27470.1/Cs8g170	8.75	0	0	2	MASCOT	T	PLEX8
6.06E-03	0|0	Cs7g27470.1/Cs8g170	8.75	0	0	2	MASCOT	T	PLEX8
3.94E-03	0|0	Cs7g27470.1/Cs8g170	8.75	0	0	2	MASCOT	T	PLEX8
2.38E-01	0|0	Cs7g27470.1/Cs8g170	8.75	0	0	2	MASCOT	T	PLEX8
3.83E-02	0|0	Cs7g27470.1/Cs8g170	8.75	0	0	2	MASCOT	T	PLEX8
5.73E-03	0|0	Cs7g27470.1/Cs8g170	8.75	0	0	2	MASCOT	T	PLEX8
7.04E-02	0|0	Cs7g27470.1/Cs8g169	5.55	0	0	2	MASCOT	T	PLEX8
4.33E-03	0|0	Cs7g27470.1/Cs8g169	5.55	0	0	2	MASCOT	T	PLEX8
7.02E-03	0|0	Cs7g27470.1/Cs8g169	5.55	0	0	2	MASCOT	T	PLEX8
2.14E-01	0|0	Cs7g27470.1/Cs8g169	5.55	0	0	2	MASCOT	T	PLEX8
9.48E-04	0|0	Cs7g27470.1	5.32	0	0	2	MASCOT	T	PLEX8
2.92E-03	0|0	Cs7g27470.1	5.32	0	0	2	MASCOT	T	PLEX8
4.20E-06	0|0	Cs7g27470.1	5.32	0	0	2	MASCOT	T	PLEX8
5.80E-02	0|0	Cs7g27470.1	5.32	0	0	2	MASCOT	T	PLEX8
2.89E-01	0|0	Cs7g27470.1	5.32	0	0	2	MASCOT	T	
1.73E-01	0|0	Cs7g27470.1	5.32	0	0	2	MASCOT	T	
1.22E-05	0|0	Cs7g27470.1	5.32	0	0	2	MASCOT	T	
1.49E-03	0|0	Cs7g27470.1/orange1.	5.81	0	0	2	MASCOT	T	PLEX8
4.57E-05	0|0	Cs7g27470.1/orange1.	5.81	0	0	2	MASCOT	T	PLEX8
2.29E-02	0|0	orange1.1t04187.1/ora	4.37	0	0	2	MASCOT	T	
1.38E-07	0|0	orange1.1t04187.1/ora	4.37	0	0	2	MASCOT	T	
1.88E-03	0|0	orange1.1t04187.1/ora	4.14	0	0	2	MASCOT	T	PLEX8
1.04E-01	0|0	orange1.1t04187.1/ora	6.74	0	0	2	MASCOT	T	PLEX8
4.12E-02	0|0	orange1.1t04187.1/ora	6.74	0	0	2	MASCOT	T	PLEX8

4.15E-03	0|0	orange1.1t04187.1/ora	6.74	0	0	2	MASCOT	T	PLEX8	
1.25E-02	0|0	orange1.1t03226.1/ora	5.4	0	0	2	MASCOT	T	PLEX8	
3.36E-02	0|0	orange1.1t03226.1/ora	5.4	0	0	2	MASCOT	T	PLEX8	
5.69E-02	0|0	Cs2g27720.1/Cs2g277	9.7	1	0	2	MASCOT	T	PLEX8	
2.79E-02	0|0	Cs2g27720.1/Cs2g277	9.7	1	0	2	MASCOT	T	PLEX8	
1.38E-03	0|0	orange1.1t04187.1/ora	4.53	0	0	2	MASCOT	T	PLEX8	
3.48E-04	0|0	orange1.1t04187.1/ora	4.53	0	0	2	MASCOT	T	PLEX8	
2.04E-01	0|0	orange1.1t04187.1/ora	6	0	0	2	MASCOT	T	PLEX8	
5.07E-02	0|0	orange1.1t04187.1/ora	6	0	0	2	MASCOT	T	PLEX8	
5.62E-03	0|0	Cs2g27720.1/Cs2g277	5.72	0	0	2	MASCOT	T	PLEX8	
2.19E-01	0|0	orange1.1t03226.1/ora	5.37	0	0	2	MASCOT	T	PLEX8	
3.40E-02	0|0	orange1.1t03226.1/ora	5.37	0	0	2	MASCOT	T	PLEX8	
3.48E-03	0|0	orange1.1t03226.1/ora	5.37	0	0	2	MASCOT	T	PLEX8	
3.49E-02	0|0	orange1.1t03226.1/ora	5.37	0	0	2	MASCOT	T	PLEX8	
9.32E-03	0|0	orange1.1t03226.1/ora	5.37	0	0	2	MASCOT	T	PLEX8	
1.17E-02	0|0	orange1.1t03226.1/ora	5.37	0	0	2	MASCOT	T	PLEX8	
3.86E-02	0|0	orange1.1t03226.1/ora	5.37	0	0	2	MASCOT	T	PLEX8	
1.44E-02	0|0	orange1.1t03226.1/ora	5.37	0	0	2	MASCOT	T	PLEX8	
2.75E-04	0|0	orange1.1t03226.1/ora	5.37	0	0	2	MASCOT	T	PLEX8	
9.99E-02	0|0	orange1.1t03226.1/ora	5.37	0	0	2	MASCOT	T	PLEX8	
3.08E-04	0|0	orange1.1t03226.1/ora	5.37	0	0	2	MASCOT	T	PLEX8	
5.29E-02	0|0	Cs2g27720.1/Cs2g277	4.53	0	0	2	MASCOT	T	PLEX8	
5.05E-04	0|0	Cs2g27720.1/Cs2g277	4.53	0	0	2	MASCOT	T	PLEX8	
4.94E-01	0|0	Cs2g27720.1/Cs2g277	4.53	0	0	2	MASCOT	T	PLEX8	
1.73E-01	0|0	Cs2g27720.1/Cs2g277	8.59	0	0	2	MASCOT	T	PLEX8	
2.47E-01	0|0	Cs2g27720.1/Cs2g277	8.59	0	0	2	MASCOT	T		
4.85E-01	0|0	Cs2g27720.1/Cs2g277	8.59	0	0	2	MASCOT	T	PLEX8	
2.38E-02	0|0	orange1.1t04187.1/ora	6.05	0	15.9	0	2	MASCOT	T	PLEX8
4.27E-04	0|0	orange1.1t04187.1/ora	6.05	0	0	2	MASCOT	T	PLEX8	
1.72E-05	0|0	orange1.1t04187.1/ora	6.05	0	0	2	MASCOT	T	PLEX8	
7.89E-02	0|0	orange1.1t04187.1/ora	6.05	0	0	2	MASCOT	T	PLEX8	
1.00E-04	0|0	orange1.1t04187.1/ora	6.05	0	0	2	MASCOT	T	PLEX8	
2.73E-01	0|0	orange1.1t04187.1/ora	5.88	0	0	2	MASCOT	T	PLEX8	
1.63E-02	0|0	orange1.1t04187.1/ora	5.88	0	0	2	MASCOT	T	PLEX8	
3.83E-03	0|0	orange1.1t04187.1/ora	5.88	0	0	2	MASCOT	T	PLEX8	
1.40E-02	0|0	Cs2g27720.1/Cs2g277	4.11	1	0	2	MASCOT	T		
3.21E-01	0|0	orange1.1t03226.1/ora	6.09	0	0	2	MASCOT	T	PLEX8	
8.50E-03	0|0	Cs2g27720.1/Cs2g277	6.74	0	0	2	MASCOT	T		
1.08E-02	0|0	Cs2g27720.1/Cs2g277	4.21	0	15.9	0	2	MASCOT	T	
9.03E-03	0|0	Cs2g27720.1/Cs2g277	4.21	0	0	2	MASCOT	T	PLEX8	
2.70E-01	0|0	Cs2g27720.1/Cs2g277	4.21	0	0	2	MASCOT	T		
2.10E-01	0|0	orange1.1t03226.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
7.24E-02	0|0	Cs2g27720.1/Cs2g277	9.75	0	0	2	MASCOT	T	PLEX8	
7.11E-02	0|0	Cs2g03070.1/Cs2g030	5.88	0	0	2	MASCOT	T	PLEX8	
1.43E-01	0|0	Cs2g03070.1/Cs2g030	5.88	0	0	2	MASCOT	T	PLEX8	
2.16E-01	0|0	Cs2g03070.1/Cs2g030	4.37	0	0	2	MASCOT	T	PLEX8	
5.93E-03	0|0	Cs2g03070.1/Cs2g030	8.64	0	0	2	MASCOT	T	PLEX8	
5.05E-02	0|0	Cs2g03070.1/Cs2g030	8.64	0	0	2	MASCOT	T		
6.54E-02	0|0	Cs2g03070.1/Cs2g030	5.84	0	0	2	MASCOT	T	PLEX8	
1.88E-02	0|0	Cs2g03070.1/Cs2g030	5.84	0	0	2	MASCOT	T	PLEX8	
7.08E-02	0|0	Cs2g03070.1/Cs2g030	5.84	0	0	2	MASCOT	T	PLEX8	

3.87E-04	0|0	Cs2g03070.1/Cs2g030	4.53	0	0	2	MASCOT	T	PLEX8
3.77E-02	0|0	Cs2g03070.1/Cs2g030	6	0	0	2	MASCOT	T	PLEX8
7.80E-02	0|0	Cs2g03070.1/Cs2g030	6	0	0	2	MASCOT	T	PLEX8
3.36E-02	0|0	Cs2g03070.1/Cs2g030	6	0	0	2	MASCOT	T	PLEX8
3.51E-03	0|0	Cs2g03070.1/Cs2g030	6	0	0	2	MASCOT	T	PLEX8
4.27E-02	0|0	Cs2g03070.1/Cs2g030	6	0	0	2	MASCOT	T	PLEX8
4.14E-05	0|0	Cs2g03070.1/Cs2g030	4.53	0	0	2	MASCOT	T	
7.71E-02	0|0	Cs2g03070.1/Cs2g030	8.76	0	0	2	MASCOT	T	
1.04E-01	0|0	Cs2g03070.1/Cs2g030	8.76	0	0	2	MASCOT	T	
1.62E-01	0|0	Cs2g03070.1/Cs2g030	8.76	0	0	2	MASCOT	T	
1.03E-01	0|0	Cs2g03070.1/Cs2g030	9.47	0	0	2	MASCOT	T	PLEX8
5.74E-02	0|0	Cs2g03070.1/Cs2g030	4.35	1	0	2	MASCOT	T	PLEX8
2.13E-02	0|0	Cs2g03070.1/Cs2g030	4.35	1	0	2	MASCOT	T	PLEX8
2.46E-02	0|0	Cs2g03070.1	5.88	0	0	2	MASCOT	T	PLEX8
6.36E-02	0|0	Cs2g03070.1	6.09	0	0	2	MASCOT	T	PLEX8
6.62E-02	0|0	Cs2g03070.1/Cs2g030	4.03	0	0	2	MASCOT	T	PLEX8
5.35E-03	0|0	Cs2g03070.1/Cs2g030	4.4	0	0	2	MASCOT	T	PLEX8
1.23E-01	0|0	Cs2g03070.1/Cs2g030	4.4	0	0	2	MASCOT	T	PLEX8
1.41E-03	0|0	Cs2g03070.1/Cs2g030	4.4	0	0	2	MASCOT	T	PLEX8
9.08E-02	0|0	Cs2g03070.1/Cs2g030	5.21	0	0	2	MASCOT	T	PLEX8
1.64E-01	0|0	Cs2g03070.1/Cs2g030	4.37	0	0	2	MASCOT	T	PLEX8
1.84E-03	0|0	Cs2g03070.1/Cs2g030	4.83	1	0	2	MASCOT	T	PLEX8
1.12E-01	0|0	Cs2g03070.1/Cs2g030	4.21	0	0	2	MASCOT	T	PLEX8
9.46E-02	0|0	Cs2g03070.1/Cs2g030	5.18	0	0	2	MASCOT	T	PLEX8
3.19E-01	0|0	Cs2g03070.1/Cs2g030	5.18	0	0	2	MASCOT	T	PLEX8
3.27E-01	0|0	Cs2g03070.1/Cs2g030	5.18	0	0	2	MASCOT	T	PLEX8
4.14E-01	0|0	Cs2g03070.1/Cs2g030	5.18	0	0	2	MASCOT	T	PLEX8
4.15E-03	0|0	Cs2g03070.1/Cs2g030	5.18	0	0	2	MASCOT	T	
2.82E-01	0|0	gi|113952630	4.53	0	0	2	MASCOT	T	PLEX8
5.53E-04	0|0	gi|113952630	4.53	0	0	2	MASCOT	T	PLEX8
6.20E-02	0|0	gi|113952630	4.53	0	0	2	MASCOT	T	PLEX8
1.06E-02	0|0	gi|113952630	4.53	0	0	2	MASCOT	T	PLEX8
4.54E-03	0|0	gi|113952630	4.53	0	0	2	MASCOT	T	PLEX8
1.22E-01	0|0	gi|113952630	4.53	0	0	2	MASCOT	T	PLEX8
1.84E-02	0|0	gi|113952630	4.53	0	0	2	MASCOT	T	PLEX8
2.34E-04	0|0	gi|113952630	4.53	0	0	2	MASCOT	T	PLEX8
2.26E-02	0|0	gi|113952630	4.53	0	0	2	MASCOT	T	PLEX8
3.79E-03	0|0	gi|113952630	4.53	0	0	2	MASCOT	T	
3.24E-01	0|0	gi|113952630	8.8	0	0	2	MASCOT	T	PLEX8
5.03E-01	0|0	gi|113952630	8.8	0	0	2	MASCOT	T	
9.43E-03	0|0	gi|113952630	4.03	0	15.9	0	2	MASCOT	T
7.93E-04	0|0	gi|113952630	4.03	0	15.9	0	2	MASCOT	T
5.26E-03	0|0	gi|113952630	4.03	0	0	2	MASCOT	T	
1.82E-03	0|0	gi|113952630	4.03	0	0	2	MASCOT	T	
2.14E-06	0|0	gi|113952630	4.03	0	0	2	MASCOT	T	
1.95E-02	0|0	gi|113952630	4.03	0	0	2	MASCOT	T	
1.18E-01	0|0	gi|113952630	4.21	0	0	2	MASCOT	T	
6.03E-02	0|0	gi|113952630	4.21	0	0	2	MASCOT	T	PLEX8
3.06E-02	0|0	gi|113952630	4.21	0	0	2	MASCOT	T	PLEX8
2.48E-02	0|0	gi|113952630	4.21	0	0	2	MASCOT	T	PLEX8
1.11E-02	0|0	gi|113952630	4.21	0	0	2	MASCOT	T	

7.45E-02 0|0	gi|113952630	4.21	0	0	2 MASCOT	T
8.30E-04 0|0	gi|113952630	4.21	0	0	2 MASCOT	T
1.31E-03 0|0	gi|113952630	4.21	0	0	2 MASCOT	T
8.54E-03 0|0	gi|113952630	4.21	0	0	2 MASCOT	T PLEX8
6.07E-03 0|0	gi|113952630	5.4	0 15.9	0	2 MASCOT	T PLEX8
1.45E-06 0|0	gi|113952630	5.4	0 15.9	0	2 MASCOT	T PLEX8
1.86E-06 0|0	gi|113952630	5.4	0 15.9	0	2 MASCOT	T PLEX8
3.66E-03 0|0	gi|113952630	5.4	0 15.9	0	2 MASCOT	T PLEX8
5.44E-03 0|0	gi|113952630	5.4	0 15.9	0	2 MASCOT	T PLEX8
6.70E-02 0|0	gi|113952630	5.4	0 15.9	0	2 MASCOT	T PLEX8
1.02E-04 0|0	gi|113952630	5.4	0 15.9	0	2 MASCOT	T PLEX8
1.09E-01 0|0	gi|113952630	5.4	0 15.9	0	2 MASCOT	T PLEX8
5.82E-06 0|0	gi|113952630	5.4	0 15.9	0	2 MASCOT	T PLEX8
9.15E-05 0|0	gi|113952630	5.4	0 15.9	0	2 MASCOT	T PLEX8
3.88E-07 0|0	gi|113952630	5.4	0 15.9	0	2 MASCOT	T PLEX8
2.58E-04 0|0	gi|113952630	5.4	0	0	2 MASCOT	T PLEX8
2.50E-06 0|0	gi|113952630	5.4	0	0	2 MASCOT	T PLEX8
2.24E-04 0|0	gi|113952630	5.4	0	0	2 MASCOT	T PLEX8
3.04E-06 0|0	gi|113952630	5.4	0	0	2 MASCOT	T PLEX8
2.11E-06 0|0	gi|113952630	5.4	0	0	2 MASCOT	T PLEX8
4.04E-03 0|0	gi|113952630	5.4	0	0	2 MASCOT	T PLEX8
2.15E-03 0|0	gi|113952630	5.4	0	0	2 MASCOT	T PLEX8
2.16E-01 0|0	gi|113952630	5.4	0	0	2 MASCOT	T PLEX8
1.68E-05 0|0	gi|113952630	5.4	0	0	2 MASCOT	T PLEX8
1.26E+00 0|0	gi|113952630	8.75	0	0	2 MASCOT	T PLEX8
6.58E-04 0|0	gi|113952630	5.83	0	0	2 MASCOT	T PLEX8
5.45E-02 0|0	gi|113952630	5.83	0	0	2 MASCOT	T PLEX8
1.83E-01 0|0	gi|113952630	5.83	0	0	2 MASCOT	T PLEX8
3.15E-03 0|0	gi|113952630	5.83	0	0	2 MASCOT	T PLEX8
2.69E-02 0|0	gi|113952630	5.83	0	0	2 MASCOT	T PLEX8
2.33E-01 0|0	gi|113952630	5.83	0	0	2 MASCOT	T PLEX8
5.93E-02 0|0	gi|113952630	5.83	0	0	2 MASCOT	T PLEX8
2.24E-02 0|0	gi|113952630	5.83	0	0	2 MASCOT	T PLEX8
3.48E-04 0|0	gi|113952630	5.83	0	0	2 MASCOT	T PLEX8
7.98E-02 0|0	gi|113952630	5.83	0	0	2 MASCOT	T
1.95E-03 0|0	gi|113952630	5.83	0	0	2 MASCOT	T PLEX8
2.55E-02 0|0	gi|113952630	5.83	0	0	2 MASCOT	T PLEX8
1.96E-03 0|0	gi|113952630	5.83	0	0	2 MASCOT	T PLEX8
2.06E-02 0|0	gi|113952630	5.83	0	0	2 MASCOT	T PLEX8
1.03E-04 0|0	gi|113952630	5.83	0	0	2 MASCOT	T PLEX8
1.85E-01 0|0	gi|113952630	5.83	0	0	2 MASCOT	T PLEX8
3.28E-03 0|0	gi|113952630	5.83	0	0	2 MASCOT	T PLEX8
7.11E-03 0|0	gi|113952630	9.76	0 15.9	0	2 MASCOT	T PLEX8
3.16E-03 0|0	gi|113952630	9.76	0 15.9	0	2 MASCOT	T PLEX8
8.83E-04 0|0	gi|113952630	9.76	0	0	2 MASCOT	T PLEX8
3.60E-03 0|0	gi|113952630	9.76	0	0	2 MASCOT	T
1.88E-03 0|0	gi|113952630	9.76	0	0	2 MASCOT	T
1.00E-01 0|0	gi|113952630	12	1	0	2 MASCOT	T PLEX8
1.94E-01 0|0	gi|113952630	6.41	0	0	2 MASCOT	T PLEX8
1.27E-03 0|0	gi|113952630	6.41	0	0	2 MASCOT	T PLEX8
8.13E-02 0|0	gi|113952630	6.41	0	0	2 MASCOT	T PLEX8

4.84E-04 0|0	gi|113952630	6.41	0	0	2 MASCOT	T	PLEX8
4.62E-03 0|0	gi|113952630	6.41	0	0	2 MASCOT	T	PLEX8
7.43E-04 0|0	gi|113952630	6.41	0	0	2 MASCOT	T	PLEX8
8.78E-05 0|0	gi|113952630	6.41	0	0	2 MASCOT	T	PLEX8
2.03E-01 0|0	gi|113952630	6.41	0	0	2 MASCOT	T	PLEX8
4.21E-03 0|0	gi|113952630	6.41	0	0	2 MASCOT	T	PLEX8
1.03E-01 0|0	gi|113952630	6.41	0	0	2 MASCOT	T	PLEX8
5.29E-02 0|0	gi|113952630	6.41	0	0	2 MASCOT	T	PLEX8
1.63E-01 0|0	gi|113952630	6.41	0	0	2 MASCOT	T	PLEX8
1.67E-04 0|0	gi|113952630	6.41	0	0	2 MASCOT	T	PLEX8
2.61E-01 0|0	gi|113952630	6.41	0	0	2 MASCOT	T	PLEX8
4.78E-02 0|0	gi|113952630	6.41	0	0	2 MASCOT	T	PLEX8
2.70E-03 0|0	gi|113952630	6.41	0	0	2 MASCOT	T	PLEX8
2.78E-01 0|0	gi|113952630	6.41	0	0	2 MASCOT	T	PLEX8
1.47E-01 0|0	gi|113952630	6.41	0	0	2 MASCOT	T	PLEX8
1.32E-01 0|0	gi|113952630	6.41	0	0	2 MASCOT	T	PLEX8
3.58E-03 0|0	gi|113952630	6.41	0	0	2 MASCOT	T	PLEX8
7.87E-03 0|0	gi|113952630	6.41	0	0	2 MASCOT	T	PLEX8
2.00E-01 0|0	gi|113952630	6.41	0	0	2 MASCOT	T	PLEX8
1.51E-03 0|0	gi|113952630	4.53	0	0	2 MASCOT	T	PLEX8
7.22E-04 0|0	gi|113952630	4.53	0	0	2 MASCOT	T	PLEX8
4.66E-03 0|0	gi|113952630	4.53	0	0	2 MASCOT	T	PLEX8
1.91E-02 0|0	gi|113952630	6.79	0 15.9	0	2 MASCOT	T	PLEX8
5.15E-02 0|0	gi|113952630	6.79	0 15.9	0	2 MASCOT	T	PLEX8
1.42E-01 0|0	gi|113952630	6.79	0 15.9	0	2 MASCOT	T	PLEX8
3.89E-03 0|0	gi|113952630	6.79	0 15.9	0	2 MASCOT	T	PLEX8
7.45E-02 0|0	gi|113952630	6.79	0 15.9	0	2 MASCOT	T	PLEX8
1.22E-01 0|0	gi|113952630	6.79	0	0	2 MASCOT	T	PLEX8
6.20E-02 0|0	gi|113952630	6.79	0	0	2 MASCOT	T	PLEX8
1.19E-03 0|0	gi|113952630	6.79	0	0	2 MASCOT	T	PLEX8
4.58E-02 0|0	gi|113952630	6.79	0	0	2 MASCOT	T	PLEX8
4.47E-02 0|0	gi|113952630	6.79	0	0	2 MASCOT	T	PLEX8
1.57E-02 0|0	gi|113952630	6.92	0	0	2 MASCOT	T	PLEX8
1.60E-03 0|0	gi|113952630	6.92	0	0	2 MASCOT	T	PLEX8
8.94E-03 0|0	gi|113952630	6.92	0	0	2 MASCOT	T	PLEX8
9.40E-04 0|0	gi|113952630	6.92	0	0	2 MASCOT	T	PLEX8
4.31E-04 0|0	gi|113952630	6.92	0	0	2 MASCOT	T	PLEX8
7.99E-02 0|0	gi|113952630	6.92	0	0	2 MASCOT	T	PLEX8
1.76E-02 0|0	gi|113952630	6.92	0	0	2 MASCOT	T	PLEX8
1.65E-02 0|0	gi|113952630	6.92	0	0	2 MASCOT	T	PLEX8
1.35E-01 0|0	gi|113952630	6.92	0	0	2 MASCOT	T	PLEX8
4.99E-02 0|0	gi|113952630	6.92	0	0	2 MASCOT	T	PLEX8
1.32E-01 0|0	gi|113952630	6.92	0	0	2 MASCOT	T	PLEX8
3.19E-02 0|0	gi|113952630	6.92	0	0	2 MASCOT	T	PLEX8
1.42E-02 0|0	gi|113952630	6.92	0	0	2 MASCOT	T	PLEX8
4.46E-03 0|0	gi|113952630	6.92	0	0	2 MASCOT	T	PLEX8
6.05E-04 0|0	gi|113952630	6.92	0	0	2 MASCOT	T	PLEX8
1.71E-04 0|0	gi|113952630	6.92	0	0	2 MASCOT	T	PLEX8
9.30E-04 0|0	gi|113952630	6.92	0	0	2 MASCOT	T	PLEX8
2.93E-01 0|0	gi|113952630	6.92	0	0	2 MASCOT	T	PLEX8
6.18E-02 0|0	gi|113952630	6.92	0	0	2 MASCOT	T	PLEX8

3.07E-02	0|0	gi|113952630	6.92	0	0	2	MASCOT	T	PLEX8	
1.03E-03	0|0	gi|113952630	6.92	0	0	2	MASCOT	T	PLEX8	
9.78E-03	0|0	gi|113952630	6.92	0	0	2	MASCOT	T	PLEX8	
6.82E-02	0|0	gi|113952630	5.99	0	0	2	MASCOT	T		
2.37E-01	0|0	gi|113952630	5.84	0	0	2	MASCOT	T	PLEX8	
1.24E-01	0|0	gi|113952630	5.84	0	0	2	MASCOT	T	PLEX8	
2.15E-01	0|0	gi|113952630	5.84	0	0	2	MASCOT	T	PLEX8	
3.59E-01	0|0	gi|113952630	5.84	0	0	2	MASCOT	T	PLEX8	
2.01E-01	0|0	gi|113952630	5.84	0	0	2	MASCOT	T		
9.15E-03	0|0	gi|113952630	4.23	1	15.9	0	2	MASCOT	T	PLEX8
6.44E-02	0|0	gi|113952630	4.23	1	15.9	0	2	MASCOT	T	
5.32E-02	0|0	gi|113952630	4.23	1	15.9	0	2	MASCOT	T	
2.00E-03	0|0	gi|113952630	4.23	1	0	2	MASCOT	T		
2.13E-01	0|0	gi|113952630	8.59	0	0	2	MASCOT	T	PLEX8	
6.56E-03	0|0	gi|113952630	8.59	0	0	2	MASCOT	T	PLEX8	
2.52E-01	0|0	gi|113952630	8.59	0	0	2	MASCOT	T	PLEX8	
3.82E-01	0|0	gi|113952630	8.59	0	0	2	MASCOT	T	PLEX8	
2.03E-02	0|0	gi|113952630	8.59	0	0	2	MASCOT	T	PLEX8	
2.62E-01	0|0	gi|113952630	8.59	0	0	2	MASCOT	T	PLEX8	
2.40E-01	0|0	gi|113952630	8.59	0	0	2	MASCOT	T	PLEX8	
2.13E-01	0|0	gi|113952630	8.59	0	0	2	MASCOT	T		
3.03E-01	0|0	gi|113952630	6.92	0	0	2	MASCOT	T	PLEX8	
2.96E-04	0|0	gi|113952630	6.92	0	0	2	MASCOT	T	PLEX8	
1.64E-02	0|0	gi|113952630	6.92	0	0	2	MASCOT	T	PLEX8	
3.94E-01	0|0	gi|113952630	6.92	0	0	2	MASCOT	T	PLEX8	
4.13E-03	0|0	gi|113952630	6.92	0	0	2	MASCOT	T	PLEX8	
4.57E-02	0|0	gi|113952630	6.92	0	0	2	MASCOT	T	PLEX8	
1.49E-03	0|0	gi|113952630	6.92	0	0	2	MASCOT	T		
1.80E-02	0|0	gi|113952630	6.92	0	0	2	MASCOT	T	PLEX8	
6.67E-02	0|0	gi|113952630	6.92	0	0	2	MASCOT	T	PLEX8	
8.15E-03	0|0	gi|113952630	6.92	0	0	2	MASCOT	T	PLEX8	
1.19E-02	0|0	gi|113952630	6.92	0	0	2	MASCOT	T		
4.99E-02	0|0	gi|113952630	6.92	0	0	2	MASCOT	T		
1.82E-01	0|0	gi|113952630	5.97	0	0	2	MASCOT	T	PLEX8	
1.20E-01	0|0	Cs8g18260.1	4.31	0	0	2	MASCOT	T	PLEX8	
7.31E-03	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	PLEX8	
4.80E-03	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	PLEX8	
3.22E-04	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	PLEX8	
1.19E-03	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	PLEX8	
2.35E-03	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	PLEX8	
2.57E-04	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	PLEX8	
1.20E-03	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	PLEX8	
2.44E-05	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	PLEX8	
3.25E-04	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T		
6.28E-06	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	PLEX8	
2.48E-03	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T		
2.90E-05	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T		
1.03E-03	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T		
2.82E-03	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T		
1.54E-03	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T		
1.12E-04	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T		

7.95E-04	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T		
1.12E-01	0|0	Cs6g05890.1/Cs7g289	4.53	0	0	2	MASCOT	T	PLEX8	
3.94E-03	0|0	Cs8g18260.1	5.84	0	15.9	0	2	MASCOT	T	
5.04E-03	0|0	Cs8g18260.1	5.84	0	15.9	0	2	MASCOT	T	
6.79E-03	0|0	Cs8g18260.1	5.84	0	0	2	MASCOT	T		
4.93E-04	0|0	Cs8g18260.1	5.84	0	0	2	MASCOT	T		
3.51E-03	0|0	Cs8g18250.1/Cs8g182	4.53	0	0	2	MASCOT	T	PLEX8	
4.85E-05	0|0	Cs8g18250.1/Cs8g182	4.53	0	0	2	MASCOT	T	PLEX8	
1.11E-03	0|0	Cs8g18250.1/Cs8g182	4.53	0	0	2	MASCOT	T	PLEX8	
1.10E-01	0|0	Cs8g18260.1 ! orange|	4.53	0	0	2	MASCOT	T	PLEX8	
1.41E-04	0|0	Cs8g18260.1 ! orange|	4.53	0	0	2	MASCOT	T	PLEX8	
2.87E-04	0|0	Cs8g18260.1 ! orange|	4.53	0	0	2	MASCOT	T	PLEX8	
7.45E-06	0|0	Cs8g18260.1 ! orange|	4.53	0	0	2	MASCOT	T	PLEX8	
4.83E-03	0|0	Cs8g18260.1 ! orange|	4.53	0	0	2	MASCOT	T	PLEX8	
2.07E-01	0|0	Cs8g18260.1 ! orange|	4.53	0	0	2	MASCOT	T	PLEX8	
1.51E-01	0|0	Cs8g18260.1 ! orange|	4.53	0	0	2	MASCOT	T	PLEX8	
8.12E-02	0|0	Cs8g18260.1 ! orange|	4.53	0	0	2	MASCOT	T	PLEX8	
2.21E-01	0|0	Cs8g18260.1 ! orange|	4.53	0	0	2	MASCOT	T	PLEX8	
1.11E-01	0|0	Cs6g05890.1/Cs7g289	4.53	0	0	2	MASCOT	T	PLEX8	
1.48E-01	0|0	Cs6g05890.1/Cs7g289	4.53	0	0	2	MASCOT	T	PLEX8	
2.10E-02	0|0	Cs6g05890.1/Cs7g289	4.53	0	0	2	MASCOT	T	PLEX8	
6.37E-02	0|0	Cs6g05890.1/Cs7g289	4.53	0	0	2	MASCOT	T	PLEX8	
1.17E-01	0|0	Cs6g05890.1/Cs7g289	4.53	0	0	2	MASCOT	T	PLEX8	
7.03E-03	0|0	Cs6g05890.1/Cs7g289	4.53	0	0	2	MASCOT	T	PLEX8	
7.32E-03	0|0	Cs6g05890.1/Cs7g289	6	0	0	2	MASCOT	T	PLEX8	
3.62E-03	0|0	Cs6g05890.1/Cs7g289	6	0	0	2	MASCOT	T	PLEX8	
1.07E-02	0|0	Cs6g05890.1/Cs7g289	6	0	0	2	MASCOT	T	PLEX8	
2.27E-03	0|0	Cs6g05890.1/Cs7g289	6	0	0	2	MASCOT	T	PLEX8	
6.36E-03	0|0	Cs6g05890.1/Cs7g289	6	0	0	2	MASCOT	T	PLEX8	
5.02E-02	0|0	Cs6g05890.1/Cs7g289	5.84	0	0	2	MASCOT	T	PLEX8	
2.46E-02	0|0	Cs6g05890.1/Cs7g289	5.84	0	0	2	MASCOT	T	PLEX8	
9.87E-03	0|0	Cs6g05890.1/Cs7g289	5.84	0	0	2	MASCOT	T		
1.01E-01	0|0	Cs6g05890.1/Cs7g289	5.84	0	0	2	MASCOT	T		
9.58E-04	0|0	Cs6g05890.1/Cs7g289	5.84	0	0	2	MASCOT	T	PLEX8	
5.56E-03	0|0	Cs6g05890.1/Cs7g289	5.84	0	0	2	MASCOT	T	PLEX8	
9.44E-05	0|0	Cs7g29010.1/Cs8g182	5.84	0	15.9	0	2	MASCOT	T	PLEX8
2.69E-02	0|0	Cs7g29010.1/Cs8g182	5.84	0	15.9	0	2	MASCOT	T	PLEX8
4.61E-05	0|0	Cs7g29010.1/Cs8g182	5.84	0	15.9	0	2	MASCOT	T	PLEX8
5.62E-02	0|0	Cs7g29010.1/Cs8g182	5.84	0	15.9	0	2	MASCOT	T	PLEX8
7.04E-04	0|0	Cs7g29010.1/Cs8g182	5.84	0	0	2	MASCOT	T	PLEX8	
2.34E-02	0|0	Cs7g29010.1/Cs8g182	5.84	0	0	2	MASCOT	T	PLEX8	
1.20E-03	0|0	Cs7g29010.1/Cs8g182	5.84	0	0	2	MASCOT	T	PLEX8	
1.43E-04	0|0	Cs7g29010.1/Cs8g182	5.84	0	0	2	MASCOT	T	PLEX8	
4.94E-02	0|0	Cs7g29010.1/Cs8g182	5.84	0	0	2	MASCOT	T	PLEX8	
7.95E-03	0|0	Cs7g29010.1/Cs8g182	5.84	0	0	2	MASCOT	T	PLEX8	
1.94E-03	0|0	Cs8g18260.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
3.36E-04	0|0	Cs8g18260.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
1.30E-03	0|0	Cs8g18260.1	4.53	0	0	2	MASCOT	T	PLEX8	
3.03E-08	0|0	Cs8g18260.1	4.53	0	0	2	MASCOT	T	PLEX8	
6.84E-02	0|0	Cs8g18260.1	4.53	0	0	2	MASCOT	T	PLEX8	
5.53E-03	0|0	Cs6g05890.1/Cs8g182	6.46	0	0	2	MASCOT	T	PLEX8	

3.06E-05	0|0	Cs6g05890.1/Cs8g182	6.46	0	0	2	MASCOT	T	PLEX8	
6.46E-03	0|0	Cs6g05890.1/Cs8g182	6.46	0	0	2	MASCOT	T	PLEX8	
1.15E-01	0|0	Cs6g05890.1/Cs8g182	6.46	0	0	2	MASCOT	T	PLEX8	
6.94E-02	0|0	Cs6g05890.1/Cs8g182	6.46	0	0	2	MASCOT	T	PLEX8	
2.03E-01	0|0	Cs6g05890.1/Cs8g182	6.46	0	0	2	MASCOT	T	PLEX8	
1.64E-01	0|0	Cs8g18260.1	8.47	0	15.9	0	2	MASCOT	T	PLEX8
2.51E-01	0|0	Cs8g18260.1	8.47	0	0	2	MASCOT	T	PLEX8	
2.41E-03	0|0	Cs6g05890.1/Cs7g289	4.14	0	15.9	0	2	MASCOT	T	
1.31E-03	0|0	Cs6g05890.1/Cs7g289	4.14	0	15.9	0	2	MASCOT	T	
4.30E-05	0|0	Cs6g05890.1/Cs7g289	4.14	0	15.9	0	2	MASCOT	T	
4.50E-02	0|0	Cs8g18260.1	4.21	0	15.9	0	2	MASCOT	T	PLEX8
2.53E-03	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	PLEX8	
9.99E-05	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	PLEX8	
2.21E-02	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	PLEX8	
9.07E-04	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	PLEX8	
3.84E-04	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T		
2.48E-06	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T		
6.64E-05	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T		
2.69E-04	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T		
5.09E-01	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T		
2.54E-01	0|0	Cs6g05890.1/Cs7g289	6.5	0	15.9	0	2	MASCOT	T	PLEX8
2.48E-01	0|0	Cs6g05890.1/Cs7g289	6.5	0	15.9	0	2	MASCOT	T	PLEX8
1.45E-01	0|0	Cs6g05890.1/Cs7g289	6.5	0	15.9	0	2	MASCOT	T	PLEX8
4.14E-03	0|0	Cs6g05890.1/Cs7g289	6.5	0	15.9	0	2	MASCOT	T	PLEX8
3.71E-02	0|0	Cs6g05890.1/Cs7g289	6.5	0	0	2	MASCOT	T	PLEX8	
3.84E-02	0|0	Cs6g05890.1/Cs7g289	6.5	0	0	2	MASCOT	T	PLEX8	
1.04E-01	0|0	Cs7g28940.1/Cs8g182	4.37	0	0	2	MASCOT	T	PLEX8	
1.77E-02	0|0	Cs7g28940.1/Cs8g182	4.37	0	0	2	MASCOT	T	PLEX8	
4.27E-04	0|0	Cs7g28940.1/Cs8g182	4.37	0	0	2	MASCOT	T	PLEX8	
4.02E-05	0|0	Cs7g28940.1/Cs8g182	4.37	0	0	2	MASCOT	T	PLEX8	
4.78E-02	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T		
3.94E-06	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T		
2.32E-02	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T		
6.87E-06	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T		
3.44E-02	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T		
1.67E-02	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T		
5.59E-02	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T		
2.90E-01	0|0	Cs6g22020.1/Cs6g220	4.53	0	0	2	MASCOT	T	PLEX8	
1.64E-03	0|0	Cs6g22020.1/Cs6g220	4.53	0	0	2	MASCOT	T	PLEX8	
1.12E-01	0|0	Cs6g22020.1/Cs6g220	4.53	0	0	2	MASCOT	T	PLEX8	
2.09E-02	0|0	Cs6g22020.1/Cs6g220	4.53	0	0	2	MASCOT	T	PLEX8	
1.53E-01	0|0	Cs6g22020.1/Cs6g220	4.53	0	0	2	MASCOT	T	PLEX8	
1.41E-01	0|0	Cs6g22020.1/Cs6g220	4.53	0	0	2	MASCOT	T	PLEX8	
3.51E-04	0|0	Cs6g22020.1/Cs6g220	4.53	0	0	2	MASCOT	T	PLEX8	
5.37E-02	0|0	Cs6g22020.1/Cs6g220	4.53	0	0	2	MASCOT	T		
5.82E-02	0|0	Cs6g22020.1/Cs6g220	4.53	0	0	2	MASCOT	T	PLEX8	
3.08E-01	0|0	Cs6g22020.1/Cs6g220	4.53	0	0	2	MASCOT	T	PLEX8	
7.03E-04	0|0	Cs6g22020.1/Cs6g220	4.53	0	0	2	MASCOT	T	PLEX8	
3.70E-03	0|0	Cs6g22020.1/Cs6g220	4.53	0	0	2	MASCOT	T		
2.30E-03	0|0	Cs6g22020.1/Cs6g220	8.63	0	0	2	MASCOT	T	PLEX8	
1.63E-03	0|0	Cs6g22020.1/Cs6g220	8.63	0	0	2	MASCOT	T	PLEX8	

8.04E-03	0|0	Cs6g22020.1/Cs6g220	8.63	0	0	2	MASCOT	T	PLEX8
4.53E-02	0|0	Cs6g22020.1/Cs6g220	8.63	0	0	2	MASCOT	T	PLEX8
3.43E-02	0|0	Cs6g22020.1/Cs6g220	8.63	0	0	2	MASCOT	T	PLEX8
3.41E-04	0|0	Cs6g22020.1/Cs6g220	8.63	0	0	2	MASCOT	T	PLEX8
1.54E-04	0|0	Cs6g22020.1/Cs6g220	8.63	0	0	2	MASCOT	T	PLEX8
1.41E-03	0|0	Cs6g22020.1/Cs6g220	8.63	0	0	2	MASCOT	T	PLEX8
7.76E-02	0|0	Cs6g22020.1/Cs6g220	8.63	0	0	2	MASCOT	T	PLEX8
7.94E-02	0|0	Cs6g22020.1/Cs6g220	9.8	0	0	2	MASCOT	T	PLEX8
8.59E-02	0|0	Cs6g22020.1/Cs6g220	9.8	0	0	2	MASCOT	T	PLEX8
1.96E-01	0|0	Cs6g22020.1/Cs6g220	9.8	0	0	2	MASCOT	T	PLEX8
1.93E-02	0|0	Cs6g22020.1/Cs6g220	9.8	0	0	2	MASCOT	T	PLEX8
2.09E-01	0|0	Cs6g22020.1/Cs6g220	9.8	0	0	2	MASCOT	T	PLEX8
9.25E-02	0|0	Cs6g22020.1/Cs6g220	5.88	0	0	2	MASCOT	T	PLEX8
2.13E-03	0|0	Cs6g22020.1/Cs6g220	5.88	0	0	2	MASCOT	T	PLEX8
3.98E-05	0|0	Cs6g22020.1/Cs6g220	5.88	0	0	2	MASCOT	T	PLEX8
1.20E-02	0|0	Cs6g22020.1/Cs6g220	5.88	0	0	2	MASCOT	T	PLEX8
7.96E-03	0|0	Cs6g22020.1/Cs6g220	5.88	0	0	2	MASCOT	T	PLEX8
1.67E-04	0|0	Cs6g22020.1/Cs6g220	5.88	0	0	2	MASCOT	T	PLEX8
7.48E-02	0|0	Cs6g22020.1/Cs6g220	5.88	0	0	2	MASCOT	T	PLEX8
1.42E-02	0|0	Cs6g22020.1/Cs6g220	5.88	0	0	2	MASCOT	T	PLEX8
6.80E-03	0|0	Cs6g22020.1/Cs6g220	5.88	0	0	2	MASCOT	T	PLEX8
3.63E-02	0|0	Cs6g22020.1/Cs6g220	5.88	0	0	2	MASCOT	T	PLEX8
8.68E-03	0|0	Cs6g22020.1/Cs6g220	5.88	0	0	2	MASCOT	T	PLEX8
7.63E-04	0|0	Cs6g22020.1/Cs6g220	5.88	0	0	2	MASCOT	T	PLEX8
2.20E-02	0|0	Cs6g22020.1/Cs6g220	5.88	0	0	2	MASCOT	T	PLEX8
1.25E-02	0|0	Cs6g22020.1/Cs6g220	5.88	0	0	2	MASCOT	T	PLEX8
2.15E-01	0|0	Cs6g22020.1/Cs6g220	5.88	0	0	2	MASCOT	T	PLEX8
8.10E-06	0|0	Cs6g22020.1/Cs6g220	4.14	0	0	2	MASCOT	T	PLEX8
2.66E-02	0|0	Cs6g22020.1/Cs6g220	4.14	0	0	2	MASCOT	T	PLEX8
1.63E-01	0|0	Cs6g22020.1/Cs6g220	4.14	0	0	2	MASCOT	T	PLEX8
9.21E-02	0|0	Cs6g22020.1/Cs6g220	4.14	0	0	2	MASCOT	T	PLEX8
2.82E-03	0|0	Cs6g22020.1/Cs6g220	4.14	0	0	2	MASCOT	T	PLEX8
9.20E-03	0|0	Cs6g22020.1/Cs6g220	4.14	0	0	2	MASCOT	T	PLEX8
1.70E-01	0|0	Cs6g22020.1/Cs6g220	4.14	0	0	2	MASCOT	T	PLEX8
5.05E-02	0|0	Cs6g22020.1/Cs6g220	6.1	0	0	2	MASCOT	T	PLEX8
2.54E-02	0|0	Cs6g22020.1/Cs6g220	4.03	0	0	2	MASCOT	T	PLEX8
1.89E-04	0|0	Cs6g22020.1/Cs6g220	4.03	0	0	2	MASCOT	T	PLEX8
4.25E-06	0|0	Cs6g22020.1/Cs6g220	4.03	0	0	2	MASCOT	T	PLEX8
8.41E-02	0|0	Cs6g22020.1/Cs6g220	4.14	0	0	2	MASCOT	T	PLEX8
5.31E-02	0|0	Cs6g22020.1/Cs6g220	4.14	0	0	2	MASCOT	T	PLEX8
2.49E-04	0|0	Cs6g22020.1/Cs6g220	4.14	0	0	2	MASCOT	T	PLEX8
2.72E-02	0|0	Cs6g22020.1/Cs6g220	4.14	0	0	2	MASCOT	T	PLEX8
2.08E-01	0|0	Cs6g22020.1/Cs6g220	5.84	0	0	2	MASCOT	T	PLEX8
3.01E-01	0|0	Cs6g22020.1/Cs6g220	5.84	0	0	2	MASCOT	T	PLEX8
1.45E-01	0|0	Cs6g22020.1/Cs6g220	5.84	0	0	2	MASCOT	T	PLEX8
1.31E-01	0|0	Cs6g22020.1/Cs6g220	5.84	0	0	2	MASCOT	T	PLEX8
5.21E-06	0|0	Cs6g22020.1/Cs6g220	5.83	0	0	2	MASCOT	T	PLEX8
2.87E-01	0|0	Cs6g22020.1/Cs6g220	5.3	0	0	2	MASCOT	T	PLEX8
4.71E-03	0|0	Cs6g22020.1/Cs6g220	4.03	0	0	2	MASCOT	T	PLEX8
2.57E-02	0|0	Cs6g22020.1/Cs6g220	4.03	0	0	2	MASCOT	T	PLEX8
3.56E-03	0|0	Cs6g22020.1/Cs6g220	4.03	0	0	2	MASCOT	T	PLEX8

6.06E-03	0|0	Cs6g22020.1/Cs6g220	4.03	0	0	2	MASCOT	T	PLEX8	
1.24E-02	0|0	Cs6g22020.1/Cs6g220	4.03	0	0	2	MASCOT	T	PLEX8	
3.14E-02	0|0	Cs6g22020.1/Cs6g220	4.03	0	0	2	MASCOT	T		
1.41E-02	0|0	Cs6g22020.1/Cs6g220	4.03	0	0	2	MASCOT	T	PLEX8	
1.73E-01	0|0	Cs6g22020.1/Cs6g220	8.72	0	0	2	MASCOT	T	PLEX8	
4.38E-02	0|0	Cs6g22020.1/Cs6g220	6.79	0	0	2	MASCOT	T	PLEX8	
5.53E-02	0|0	Cs6g22020.1/Cs6g220	6.79	0	0	2	MASCOT	T	PLEX8	
1.35E-02	0|0	Cs6g22020.1/Cs6g220	6.79	0	0	2	MASCOT	T	PLEX8	
2.69E-02	0|0	Cs6g22020.1/Cs6g220	8.5	0	15.9	0	2	MASCOT	T	PLEX8
9.45E-03	0|0	Cs6g22020.1/Cs6g220	8.5	0	15.9	0	2	MASCOT	T	PLEX8
6.86E-02	0|0	Cs6g22020.1/Cs6g220	8.5	0	0	2	MASCOT	T	PLEX8	
2.48E-03	0|0	Cs6g22020.1/Cs6g220	8.5	0	0	2	MASCOT	T	PLEX8	
9.17E-03	0|0	Cs6g22020.1/Cs6g220	8.5	0	0	2	MASCOT	T	PLEX8	
2.69E-02	0|0	Cs6g22020.1/Cs6g220	8.5	0	0	2	MASCOT	T	PLEX8	
2.14E-04	0|0	Cs6g22020.1/Cs6g220	8.5	0	0	2	MASCOT	T	PLEX8	
3.30E-02	0|0	Cs6g22020.1/Cs6g220	8.5	0	0	2	MASCOT	T	PLEX8	
2.00E-02	0|0	Cs6g22020.1/Cs6g220	5.84	0	0	2	MASCOT	T	PLEX8	
1.59E-01	0|0	Cs6g22020.1/Cs6g220	5.84	0	0	2	MASCOT	T	PLEX8	
1.80E-01	0|0	Cs6g22020.1/Cs6g220	5.84	0	0	2	MASCOT	T	PLEX8	
5.81E-02	0|0	Cs6g22020.1/Cs6g220	5.84	0	0	2	MASCOT	T	PLEX8	
1.44E-01	0|0	Cs6g22020.1/Cs6g220	5.84	0	0	2	MASCOT	T	PLEX8	
8.54E-02	0|0	Cs6g22020.1/Cs6g220	5.84	0	0	2	MASCOT	T	PLEX8	
1.72E-03	0|0	Cs6g22020.1/Cs6g220	4.25	0	0	2	MASCOT	T		
7.51E-05	0|0	Cs6g22020.1/Cs6g220	4.25	0	0	2	MASCOT	T		
4.16E-03	0|0	Cs6g22020.1/Cs6g220	4.25	0	0	2	MASCOT	T		
1.30E-04	0|0	Cs6g22020.1/Cs6g220	4.25	0	0	2	MASCOT	T	PLEX8	
1.32E-05	0|0	Cs6g22020.1/Cs6g220	4.25	0	0	2	MASCOT	T	PLEX8	
1.55E-03	0|0	Cs6g22020.1/Cs6g220	5.37	0	0	2	MASCOT	T	PLEX8	
1.58E-01	0|0	Cs6g22020.1/Cs6g220	5.37	0	0	2	MASCOT	T	PLEX8	
1.42E-01	0|0	Cs6g22020.1/Cs6g220	5.37	0	0	2	MASCOT	T	PLEX8	
4.31E-02	0|0	Cs6g22020.1/Cs6g220	5.37	0	0	2	MASCOT	T	PLEX8	
1.79E-01	0|0	Cs6g22020.1/Cs6g220	5.37	0	0	2	MASCOT	T		
4.45E-02	0|0	Cs6g22020.1/Cs6g220	5.37	0	0	2	MASCOT	T		
6.34E-02	0|0	Cs1g20720.1/Cs1g207	4.53	0	0	2	MASCOT	T	PLEX8	
1.60E-01	0|0	Cs1g20720.1/Cs1g207	4.53	0	0	2	MASCOT	T	PLEX8	
1.14E-01	0|0	Cs1g20720.1/Cs1g207	4.53	0	0	2	MASCOT	T	PLEX8	
2.91E-02	0|0	Cs1g20720.1/Cs1g207	4.53	0	0	2	MASCOT	T	PLEX8	
1.73E-01	0|0	Cs1g20720.1/Cs1g207	4.53	0	0	2	MASCOT	T	PLEX8	
2.23E-01	0|0	Cs1g20720.2	5.88	0	0	2	MASCOT	T	PLEX8	
8.98E-02	0|0	Cs1g20720.1/Cs1g207	4.37	0	0	2	MASCOT	T	PLEX8	
7.87E-02	0|0	Cs1g20720.1/Cs1g207	4.32	1	0	2	MASCOT	T	PLEX8	
3.03E-03	0|0	Cs1g20720.1/Cs1g207	4.32	1	0	2	MASCOT	T	PLEX8	
1.12E-01	0|0	Cs1g20720.1/Cs1g207	4.37	0	0	2	MASCOT	T	PLEX8	
6.45E-03	0|0	Cs1g20720.1/Cs1g207	4.37	0	0	2	MASCOT	T	PLEX8	
1.42E-02	0|0	Cs1g20720.1/Cs1g207	4.65	0	0	2	MASCOT	T	PLEX8	
2.11E-04	0|0	Cs1g20720.1/Cs1g207	4.65	0	0	2	MASCOT	T	PLEX8	
1.28E-02	0|0	Cs1g20720.1/Cs1g207	4.65	0	0	2	MASCOT	T	PLEX8	
8.89E-02	0|0	Cs1g20720.1/Cs1g207	4.65	0	0	2	MASCOT	T	PLEX8	
5.25E-03	0|0	Cs1g20720.1/Cs1g207	4.65	0	0	2	MASCOT	T	PLEX8	
6.13E-02	0|0	Cs1g20720.1/Cs1g207	4.65	0	0	2	MASCOT	T	PLEX8	
2.39E-01	0|0	Cs1g20720.1/Cs1g207	4.65	0	0	2	MASCOT	T		

1.58E-01	0|0	Cs1g20720.1/Cs1g207	4.65	0	0	2	MASCOT	T		
1.45E-01	0|0	Cs1g20720.1/Cs1g207	4.25	0	0	2	MASCOT	T	PLEX8	
2.72E-01	0|0	Cs1g20720.1/Cs1g207	4.25	0	0	2	MASCOT	T	PLEX8	
1.45E-01	0|0	Cs1g20720.1/Cs1g207	4.25	0	0	2	MASCOT	T	PLEX8	
1.60E-01	0|0	Cs1g20720.1/Cs1g207	4.25	0	0	2	MASCOT	T	PLEX8	
2.84E-01	0|0	Cs1g20720.1/Cs1g207	4.25	0	0	2	MASCOT	T	PLEX8	
6.76E-02	0|0	Cs1g20720.1/Cs1g207	4.53	0	0	2	MASCOT	T	PLEX8	
2.11E-01	0|0	Cs1g20720.1/Cs1g207	5.59	0	15.9	0	2	MASCOT	T	PLEX8
8.73E-02	0|0	Cs1g20720.1/Cs1g207	5.59	0	0	2	MASCOT	T	PLEX8	
7.54E-03	0|0	Cs1g20720.1/Cs1g207	6	0	15.9	0	2	MASCOT	T	PLEX8
2.77E-03	0|0	Cs1g20720.1/Cs1g207	6	0	15.9	0	2	MASCOT	T	PLEX8
3.16E-03	0|0	Cs1g20720.1/Cs1g207	6	0	15.9	0	2	MASCOT	T	PLEX8
3.17E-04	0|0	Cs1g20720.1/Cs1g207	6	0	0	2	MASCOT	T	PLEX8	
3.40E-03	0|0	Cs1g20720.1/Cs1g207	6	0	0	2	MASCOT	T	PLEX8	
5.99E-02	0|0	Cs1g20720.1/Cs1g207	6	0	0	2	MASCOT	T	PLEX8	
5.36E-04	0|0	Cs1g20720.1/Cs1g207	6	0	0	2	MASCOT	T	PLEX8	
2.25E-04	0|0	Cs1g20720.1/Cs1g207	6	0	0	2	MASCOT	T	PLEX8	
5.05E-03	0|0	Cs1g20720.1/Cs1g207	6	0	0	2	MASCOT	T		
6.58E-02	0|0	Cs1g20720.1/Cs1g207	3.83	0	0	2	MASCOT	T		
3.63E-03	0|0	Cs1g20720.1/Cs1g207	3.83	0	0	2	MASCOT	T		
1.83E-03	0|0	Cs1g20720.1/Cs1g207	3.83	0	0	2	MASCOT	T		
4.69E-02	0|0	Cs1g20720.1/Cs1g207	5.81	0	15.9	0	2	MASCOT	T	PLEX8
1.88E-01	0|0	Cs1g20720.1/Cs1g207	5.81	0	15.9	0	2	MASCOT	T	PLEX8
2.56E-03	0|0	Cs1g20720.1/Cs1g207	5.81	0	15.9	0	2	MASCOT	T	PLEX8
8.24E-03	0|0	Cs1g20720.1/Cs1g207	5.81	0	15.9	0	2	MASCOT	T	PLEX8
2.02E-01	0|0	Cs1g20720.1/Cs1g207	5.81	0	15.9	0	2	MASCOT	T	PLEX8
2.92E-01	0|0	Cs1g20720.1/Cs1g207	5.81	0	15.9	0	2	MASCOT	T	
5.85E-02	0|0	Cs1g20720.1/Cs1g207	5.81	0	15.9	0	2	MASCOT	T	
2.41E-02	0|0	Cs1g20720.1/Cs1g207	5.81	0	15.9	0	2	MASCOT	T	
2.72E-02	0|0	Cs1g20720.1/Cs1g207	5.81	0	15.9	0	2	MASCOT	T	PLEX8
4.00E-01	0|0	Cs1g20720.1/Cs1g207	5.81	0	0	2	MASCOT	T	PLEX8	
6.51E-05	0|0	Cs1g20720.1/Cs1g207	5.81	0	0	2	MASCOT	T	PLEX8	
1.17E-02	0|0	Cs1g20720.1/Cs1g207	5.81	0	0	2	MASCOT	T	PLEX8	
5.23E-02	0|0	Cs1g20720.1/Cs1g207	5.81	0	0	2	MASCOT	T	PLEX8	
1.82E-01	0|0	Cs1g20720.1/Cs1g207	5.81	0	0	2	MASCOT	T	PLEX8	
3.35E-01	0|0	Cs1g20720.1/Cs1g207	4.49	0	0	2	MASCOT	T	PLEX8	
8.22E-02	0|0	Cs1g20720.1/Cs1g207	5.84	0	15.9	0	2	MASCOT	T	PLEX8
2.54E-02	0|0	Cs1g20720.1/Cs1g207	5.84	0	0	2	MASCOT	T	PLEX8	
1.57E-02	0|0	Cs1g20720.1/Cs1g207	5.84	0	0	2	MASCOT	T	PLEX8	
1.08E-03	0|0	Cs1g20720.2	6.14	1	0	2	MASCOT	T	PLEX8	
1.01E-02	0|0	Cs1g20720.2	6.14	1	0	2	MASCOT	T	PLEX8	
3.14E-02	0|0	Cs1g20720.2	6.74	0	0	2	MASCOT	T		
9.16E-04	0|0	Cs1g20720.2	6.74	0	0	2	MASCOT	T		
3.49E-01	0|0	Cs1g20720.1/Cs1g207	6	0	0	2	MASCOT	T	PLEX8	
9.59E-02	0|0	Cs1g20720.1/Cs1g207	6	0	0	2	MASCOT	T	PLEX8	
5.32E-01	0|0	Cs1g20720.1/Cs1g207	6	0	0	2	MASCOT	T	PLEX8	
1.26E-01	0|0	Cs1g20720.1/Cs1g207	6	0	0	2	MASCOT	T	PLEX8	
3.83E-01	0|0	Cs1g20720.1/Cs1g207	8.23	0	0	2	MASCOT	T		
7.22E-02	0|0	Cs1g20720.1/Cs1g207	4.25	0	0	2	MASCOT	T	PLEX8	
2.28E-03	0|0	Cs1g20720.1/Cs1g207	4.25	0	0	2	MASCOT	T	PLEX8	
1.10E-01	0|0	Cs1g20720.1/Cs1g207	4.25	0	0	2	MASCOT	T	PLEX8	

2.25E-01	0|0	Cs1g20720.1/Cs1g207	4.25	0	0	2	MASCOT	T	PLEX8
1.00E-01	0|0	Cs1g20720.1/Cs1g207	4.25	0	0	2	MASCOT	T	PLEX8
3.92E-03	0|0	Cs1g20720.1/Cs1g207	4.25	0	0	2	MASCOT	T	PLEX8
8.71E-04	0|0	Cs1g20720.1/Cs1g207	4.25	0	0	2	MASCOT	T	PLEX8
1.12E-01	0|0	Cs1g20720.1/Cs1g207	4.25	0	0	2	MASCOT	T	PLEX8
1.62E-03	0|0	Cs1g20720.1/Cs1g207	4.25	0	0	2	MASCOT	T	PLEX8
1.77E-02	0|0	Cs1g20720.1/Cs1g207	4.25	0	0	2	MASCOT	T	PLEX8
8.20E-02	0|0	Cs1g20720.1/Cs1g207	4.25	0	0	2	MASCOT	T	PLEX8
6.44E-01	0|0	Cs7g10360.1/Cs7g103	6.05	0	0	2	MASCOT	T	PLEX8
7.93E-03	0|0	Cs7g10360.1/Cs7g103	5.84	0	0	2	MASCOT	T	PLEX8
4.35E-02	0|0	Cs7g10360.1	6.1	0	0	2	MASCOT	T	PLEX8
1.45E-01	0|0	Cs7g10360.1	6.1	0	0	2	MASCOT	T	PLEX8
2.50E-01	0|0	Cs7g10360.1	6.1	0	0	2	MASCOT	T	PLEX8
2.20E-01	0|0	Cs7g10360.1	6.1	0	0	2	MASCOT	T	PLEX8
1.40E-01	0|0	Cs7g10360.1	6.1	0	0	2	MASCOT	T	PLEX8
6.78E-02	0|0	Cs7g10360.1	6.1	0	0	2	MASCOT	T	PLEX8
4.69E-02	0|0	Cs7g10360.1/Cs7g103	4.37	0	0	2	MASCOT	T	PLEX8
2.52E-02	0|0	Cs7g10360.1/Cs7g103	4.32	0	0	2	MASCOT	T	PLEX8
2.79E-02	0|0	Cs7g10360.1/Cs7g103	4.25	0	0	2	MASCOT	T	PLEX8
6.50E-04	0|0	Cs7g10360.1/Cs7g103	4.25	0	0	2	MASCOT	T	PLEX8
1.12E-01	0|0	Cs7g10360.1/Cs7g103	4.25	0	0	2	MASCOT	T	PLEX8
4.79E-03	0|0	Cs7g10360.1	8.75	0	0	2	MASCOT	T	PLEX8
5.24E-03	0|0	Cs7g10360.1	8.75	0	0	2	MASCOT	T	PLEX8
1.21E-02	0|0	Cs7g10360.1/Cs7g103	9.76	0	0	2	MASCOT	T	PLEX8
4.86E-02	0|0	Cs7g10360.1	8.59	0	0	2	MASCOT	T	PLEX8
6.75E-03	0|0	Cs7g10360.1	8.59	0	0	2	MASCOT	T	PLEX8
2.20E-02	0|0	Cs7g10360.1	8.59	0	0	2	MASCOT	T	PLEX8
2.06E-02	0|0	Cs7g10360.1	8.59	0	0	2	MASCOT	T	PLEX8
3.24E-01	0|0	Cs7g10360.1	8.59	0	0	2	MASCOT	T	PLEX8
3.32E-01	0|0	Cs7g10360.1	8.59	0	0	2	MASCOT	T	PLEX8
9.95E-02	0|0	Cs7g10360.1	8.59	0	0	2	MASCOT	T	PLEX8
1.06E-02	0|0	Cs7g10360.1	8.59	0	0	2	MASCOT	T	PLEX8
2.11E-02	0|0	Cs7g10360.1	8.59	0	0	2	MASCOT	T	PLEX8
4.32E-03	0|0	Cs7g10360.1	8.59	0	0	2	MASCOT	T	PLEX8
1.74E-02	0|0	Cs7g10360.1	4.37	0	0	2	MASCOT	T	PLEX8
2.78E-04	0|0	Cs7g10360.1	4.37	0	0	2	MASCOT	T	
2.52E-01	0|0	Cs7g10360.1	6	0	0	2	MASCOT	T	PLEX8
3.21E-02	0|0	Cs7g10360.1	4	0	0	2	MASCOT	T	PLEX8
8.38E-02	0|0	Cs7g10360.1	4	0	0	2	MASCOT	T	PLEX8
1.83E-02	0|0	Cs7g10360.1	4	0	0	2	MASCOT	T	PLEX8
8.84E-02	0|0	Cs7g10360.1	8.6	0	0	2	MASCOT	T	PLEX8
2.90E-05	0|0	Cs7g10360.1	6	0	0	2	MASCOT	T	PLEX8
2.85E-05	0|0	Cs7g10360.1	6	0	0	2	MASCOT	T	PLEX8
2.82E-03	0|0	Cs7g10360.1	6.07	1	0	2	MASCOT	T	PLEX8
1.87E-01	0|0	Cs7g10360.1/Cs7g103	8.26	0	0	2	MASCOT	T	PLEX8
3.49E-01	0|0	Cs7g10360.1/Cs7g103	8.26	0	0	2	MASCOT	T	PLEX8
6.59E-04	0|0	Cs7g10360.1/Cs7g103	6	0	0	2	MASCOT	T	PLEX8
1.30E-02	0|0	Cs7g10360.1/Cs7g103	6	0	0	2	MASCOT	T	PLEX8
2.25E-02	0|0	Cs7g10360.1/Cs7g103	6	0	0	2	MASCOT	T	PLEX8
3.32E-03	0|0	Cs7g10360.1/Cs7g103	6	0	0	2	MASCOT	T	PLEX8
2.32E-02	0|0	Cs7g10360.1/Cs7g103	6	0	0	2	MASCOT	T	PLEX8

3.80E-02	0|0	Cs7g10360.1/Cs7g103	6	0	0	2	MASCOT	T	PLEX8
1.27E-01	0|0	Cs7g10360.1/Cs7g103	6	0	0	2	MASCOT	T	PLEX8
3.93E-01	0|0	Cs1g17380.1/Cs1g173	6	0	0	2	MASCOT	T	PLEX8
7.17E-03	0|0	Cs3g26260.1/Cs3g262	5.32	0	0	2	MASCOT	T	PLEX8
1.75E-02	0|0	Cs3g26260.1/Cs3g262	5.32	0	0	2	MASCOT	T	PLEX8
9.18E-02	0|0	Cs3g26260.1/Cs3g262	5.32	0	0	2	MASCOT	T	PLEX8
4.14E-02	0|0	Cs3g26260.1/Cs3g262	8.8	0	0	2	MASCOT	T	PLEX8
3.96E-02	0|0	Cs3g26260.1/Cs3g262	8.8	0	0	2	MASCOT	T	PLEX8
8.89E-02	0|0	Cs3g26260.1/Cs3g262	8.8	0	0	2	MASCOT	T	PLEX8
1.32E-02	0|0	Cs3g26260.1/Cs3g262	5.84	0	0	2	MASCOT	T	PLEX8
6.44E-02	0|0	Cs3g26260.1/Cs3g262	5.84	0	0	2	MASCOT	T	PLEX8
5.04E-04	0|0	Cs3g26260.1/Cs3g262	5.84	0	0	2	MASCOT	T	PLEX8
6.02E-02	0|0	Cs3g26260.1/Cs3g262	5.84	0	0	2	MASCOT	T	
1.39E-03	0|0	Cs3g26260.1/Cs3g262	4.09	0	0	2	MASCOT	T	PLEX8
4.13E-02	0|0	Cs3g26260.1/Cs3g262	4.09	0	0	2	MASCOT	T	PLEX8
2.04E-03	0|0	Cs3g26260.1/Cs3g262	4.09	0	0	2	MASCOT	T	PLEX8
1.42E-01	0|0	Cs3g26260.1/Cs3g262	8.6	0	0	2	MASCOT	T	PLEX8
2.68E-01	0|0	Cs3g26260.1/Cs3g262	8.6	0	0	2	MASCOT	T	
2.90E-04	0|0	Cs3g26260.1/Cs3g262	4.03	0	0	2	MASCOT	T	PLEX8
7.33E-02	0|0	Cs3g26260.1/Cs3g262	3.83	0	0	2	MASCOT	T	PLEX8
3.42E-01	0|0	Cs3g26260.1/Cs3g262	6	0	0	2	MASCOT	T	PLEX8
3.44E-02	0|0	Cs3g26260.1/Cs3g262	4.37	0	0	2	MASCOT	T	
4.51E-03	0|0	Cs3g26260.1/Cs3g262	5.84	0	0	2	MASCOT	T	
1.61E-01	0|0	Cs3g26260.1/Cs3g262	5.84	0	0	2	MASCOT	T	
7.33E-03	0|0	Cs3g26260.1/Cs3g262	5.72	0	0	2	MASCOT	T	PLEX8
5.36E-02	0|0	Cs3g26260.1/Cs3g262	5.72	0	0	2	MASCOT	T	PLEX8
1.02E-04	0|0	Cs3g26260.1/Cs3g262	3.91	0	0	2	MASCOT	T	PLEX8
7.39E-05	0|0	Cs2g19730.1/Cs2g197	4.03	0	0	2	MASCOT	T	PLEX8
2.02E-04	0|0	Cs2g19730.1/Cs2g197	4.03	0	0	2	MASCOT	T	PLEX8
2.24E-02	0|0	Cs3g26260.1/Cs3g262	6.85	0	0	2	MASCOT	T	PLEX8
2.10E-01	0|0	Cs3g26260.1/Cs3g262	5.84	0	0	2	MASCOT	T	PLEX8
3.42E-01	0|0	Cs3g26260.1/Cs3g262	5.84	0	0	2	MASCOT	T	PLEX8
1.38E-02	0|0	Cs3g26260.1/Cs3g262	5.84	0	0	2	MASCOT	T	PLEX8
4.67E-01	0|0	Cs3g26260.1/Cs3g262	5.83	0	0	2	MASCOT	T	PLEX8
2.05E-02	0|0	Cs3g26260.1/Cs3g262	5.83	0	0	2	MASCOT	T	PLEX8
3.68E-01	0|0	Cs3g26260.1/Cs3g262	5.83	0	0	2	MASCOT	T	PLEX8
2.56E-01	0|0	orange1.1t01800.1/ora	8.75	0	0	2	MASCOT	T	PLEX8
1.03E-03	0|0	Cs3g26260.1/Cs3g262	3.92	0	0	2	MASCOT	T	
1.10E-02	0|0	Cs5g15920.1/Cs5g159	3.84	0	15.9	0	2	MASCOT	T
3.82E-03	0|0	Cs5g15920.1/Cs5g159	3.84	0	15.9	0	2	MASCOT	T
5.43E-05	0|0	Cs5g15920.1/Cs5g159	3.84	0	0	2	MASCOT	T	
1.74E-02	0|0	Cs5g15920.1/Cs5g159	5.84	0	0	2	MASCOT	T	PLEX8
3.63E-03	0|0	Cs5g15920.1/Cs5g159	4.25	0	0	2	MASCOT	T	PLEX8
2.90E-02	0|0	Cs5g15920.1/Cs5g159	4.25	0	0	2	MASCOT	T	PLEX8
7.74E-03	0|0	Cs9g17940.1	4	1	0	2	MASCOT	T	PLEX8
4.72E-02	0|0	Cs9g17940.1	4	1	0	2	MASCOT	T	PLEX8
9.20E-03	0|0	Cs5g15920.1/Cs5g159	5.32	0	0	2	MASCOT	T	PLEX8
2.91E-03	0|0	Cs5g15920.1/Cs5g159	9.75	0	0	2	MASCOT	T	PLEX8
1.48E-01	0|0	Cs5g15920.1/Cs5g159	9.75	0	0	2	MASCOT	T	PLEX8
2.62E-01	0|0	Cs5g15920.1/Cs5g159	6	0	0	2	MASCOT	T	PLEX8
1.30E-02	0|0	Cs5g15920.1/Cs5g159	6	0	0	2	MASCOT	T	PLEX8

1.55E-01	0|0	Cs5g15920.1/Cs5g159	6	0	0	2	MASCOT	T	
1.83E-01	0|0	Cs5g15920.1/Cs5g159	4.14	0	0	2	MASCOT	T PLEX8	
1.07E-01	0|0	Cs5g15920.1/Cs5g159	6	0	0	2	MASCOT	T PLEX8	
5.63E-01	0|0	Cs5g15920.1/Cs5g159	6	0	0	2	MASCOT	T PLEX8	
1.11E-01	0|0	Cs9g17940.1	8.22	0	0	2	MASCOT	T PLEX8	
9.60E-02	0|0	Cs9g17940.1	8.22	0	0	2	MASCOT	T PLEX8	
1.43E-02	0|0	Cs5g15920.1/Cs5g159	5.55	0	0	2	MASCOT	T PLEX8	
1.88E-01	0|0	Cs5g15920.1/Cs5g159	5.81	0	0	2	MASCOT	T PLEX8	
8.42E-05	0|0	Cs9g17940.1	4.32	1	0	2	MASCOT	T	
2.87E-01	0|0	Cs5g15920.1/Cs5g159	9.75	0	0	2	MASCOT	T PLEX8	
3.55E-01	0|0	Cs5g15920.1/Cs5g159	6.76	0	0	2	MASCOT	T PLEX8	
2.69E-01	0|0	Cs5g15920.1/Cs5g159	6	0	15.9	0	2	MASCOT	T PLEX8
3.46E-01	0|0	Cs5g15920.1/Cs5g159	6	0	0	2	MASCOT	T PLEX8	
1.70E-01	0|0	Cs5g15920.1/Cs5g159	6	0	0	2	MASCOT	T PLEX8	
1.66E-02	0|0	Cs5g15920.1/Cs5g159	6	0	0	2	MASCOT	T PLEX8	
3.23E-01	0|0	Cs9g17940.1	4.37	0	0	2	MASCOT	T PLEX8	
7.72E-02	0|0	Cs9g17940.1	4.37	0	0	2	MASCOT	T PLEX8	
1.31E-01	0|0	Cs9g17940.1	5.83	0	15.9	0	2	MASCOT	T PLEX8
2.29E-01	0|0	Cs9g17940.1	5.83	0	0	2	MASCOT	T PLEX8	
3.12E-02	0|0	Cs5g15920.1/Cs5g159	6.92	0	0	2	MASCOT	T PLEX8	
1.03E-01	0|0	Cs5g15920.1/Cs5g159	6.92	0	0	2	MASCOT	T PLEX8	
1.00E-02	0|0	orange1.1t02948.1	6.05	0	0	2	MASCOT	T	
3.32E-01	0|0	orange1.1t02948.1	6.05	0	0	2	MASCOT	T PLEX8	
2.40E-02	0|0	orange1.1t02948.1	4.37	0	0	2	MASCOT	T	
2.89E-02	0|0	orange1.1t02948.1	4.37	0	0	2	MASCOT	T	
2.94E-01	0|0	Cs3g05840.1/orange1.	6.74	0	0	2	MASCOT	T	
3.52E-03	0|0	Cs3g05840.1/orange1.	4.37	0	0	2	MASCOT	T PLEX8	
1.03E-03	0|0	Cs3g05840.1/orange1.	4.37	0	0	2	MASCOT	T PLEX8	
9.80E-04	0|0	Cs3g05840.1/orange1.	4.37	0	0	2	MASCOT	T PLEX8	
1.09E-03	0|0	orange1.1t02948.1	5.4	0	0	2	MASCOT	T PLEX8	
4.04E-02	0|0	orange1.1t02948.1	4.53	0	0	2	MASCOT	T PLEX8	
3.16E-01	0|0	orange1.1t02948.1	8.23	0	0	2	MASCOT	T PLEX8	
1.05E-02	0|0	orange1.1t02948.1	3.92	0	0	2	MASCOT	T PLEX8	
4.47E-03	0|0	orange1.1t02948.1	3.92	0	0	2	MASCOT	T PLEX8	
4.33E-02	0|0	orange1.1t02948.1	8.8	0	0	2	MASCOT	T PLEX8	
1.64E-01	0|0	orange1.1t02948.1	4	0	0	2	MASCOT	T	
1.03E-02	0|0	orange1.1t02948.1	6	0	0	2	MASCOT	T PLEX8	
2.12E-01	0|0	orange1.1t02948.1	6	0	0	2	MASCOT	T PLEX8	
2.63E-02	0|0	orange1.1t02948.1	6	0	0	2	MASCOT	T PLEX8	
3.20E-02	0|0	orange1.1t02948.1	6	0	0	2	MASCOT	T PLEX8	
6.43E-02	0|0	orange1.1t02948.1	6	0	0	2	MASCOT	T PLEX8	
3.25E-02	0|0	orange1.1t02948.1	8.76	0	0	2	MASCOT	T	
1.16E-04	0|0	Cs3g05840.1/orange1.	9.76	0	0	2	MASCOT	T PLEX8	
6.43E-03	0|0	orange1.1t02948.1	6	0	0	2	MASCOT	T PLEX8	
4.60E-04	0|0	orange1.1t02948.1	5.32	0	0	2	MASCOT	T PLEX8	
1.97E-02	0|0	orange1.1t02948.1	5.32	0	0	2	MASCOT	T	
1.90E-02	0|0	orange1.1t02948.1	4.14	0	15.9	0	2	MASCOT	T PLEX8
4.63E-02	0|0	orange1.1t02948.1	4.14	0	0	2	MASCOT	T	
1.16E-01	0|0	orange1.1t02948.1	4.21	0	0	2	MASCOT	T	
2.12E-01	0|0	Cs3g05840.1/orange1.	8.75	0	0	2	MASCOT	T PLEX8	
1.10E-01	0|0	Cs3g05840.1/orange1.	8.75	0	0	2	MASCOT	T PLEX8	

3.46E-01 0|0	Cs8g05060.1	6.74	0	0	2 MASCOT	T	PLEX8
1.26E-01 0|0	Cs8g05060.1	6.74	0	0	2 MASCOT	T	PLEX8
2.57E-01 0|0	Cs8g05060.1	4.53	0	0	2 MASCOT	T	PLEX8
1.96E-01 0|0	Cs8g05060.1	4.53	0	0	2 MASCOT	T	PLEX8
3.75E-02 0|0	Cs8g05060.1	4.53	0	0	2 MASCOT	T	PLEX8
3.70E-03 0|0	Cs8g05060.1	4.53	0	0	2 MASCOT	T	PLEX8
6.90E-05 0|0	Cs8g05060.1	4.53	0	0	2 MASCOT	T	PLEX8
3.12E-05 0|0	Cs8g05060.1	4.53	0	0	2 MASCOT	T	PLEX8
8.62E-05 0|0	Cs8g05060.1	4.53	0	0	2 MASCOT	T	PLEX8
2.86E-03 0|0	Cs8g05060.1	4.53	0	0	2 MASCOT	T	PLEX8
1.91E-04 0|0	Cs8g05060.1	4.53	0	0	2 MASCOT	T	PLEX8
1.30E-03 0|0	Cs8g05060.1	4.53	0	0	2 MASCOT	T	PLEX8
3.72E-02 0|0	Cs8g05060.1	4.53	0	0	2 MASCOT	T	PLEX8
1.85E-02 0|0	Cs8g05060.1	4.53	0	0	2 MASCOT	T	PLEX8
5.74E-02 0|0	Cs8g05060.1	4.53	0	0	2 MASCOT	T	PLEX8
7.77E-04 0|0	Cs8g05060.1	4.53	0	0	2 MASCOT	T	PLEX8
2.72E-02 0|0	Cs8g05060.1	4.53	0	0	2 MASCOT	T	PLEX8
5.71E-03 0|0	Cs8g05060.1	4.53	0	0	2 MASCOT	T	
1.05E-02 0|0	Cs8g05060.1	4.53	0	0	2 MASCOT	T	PLEX8
7.14E-05 0|0	Cs8g05060.1	4.53	0	0	2 MASCOT	T	PLEX8
4.29E-02 0|0	Cs8g05060.1	4.53	0	0	2 MASCOT	T	PLEX8
7.20E-04 0|0	Cs8g05060.1	4.53	0	0	2 MASCOT	T	PLEX8
5.56E-05 0|0	Cs8g05060.1	4.53	0	0	2 MASCOT	T	PLEX8
1.04E-02 0|0	Cs8g05060.1	5.98	0 15.9	0	2 MASCOT	T	PLEX8
2.23E-02 0|0	Cs8g05060.1	5.98	0 15.9	0	2 MASCOT	T	
4.27E-03 0|0	Cs8g05060.1	5.98	0 15.9	0	2 MASCOT	T	
5.14E-04 0|0	Cs8g05060.1	5.98	0 15.9	0	2 MASCOT	T	PLEX8
4.97E-03 0|0	Cs8g05060.1	5.98	0 15.9	0	2 MASCOT	T	PLEX8
6.18E-03 0|0	Cs8g05060.1	5.98	0 15.9	0	2 MASCOT	T	PLEX8
3.20E-03 0|0	Cs8g05060.1	5.98	0 15.9	0	2 MASCOT	T	
6.34E-03 0|0	Cs8g05060.1	5.98	0 15.9	0	2 MASCOT	T	
7.49E-02 0|0	Cs8g05060.1	5.98	0	0	2 MASCOT	T	PLEX8
4.98E-02 0|0	Cs8g05060.1	5.98	0	0	2 MASCOT	T	PLEX8
3.18E-03 0|0	Cs8g05060.1	5.98	0	0	2 MASCOT	T	
7.17E-03 0|0	Cs8g05060.1	5.98	0	0	2 MASCOT	T	PLEX8
2.46E-02 0|0	Cs8g05060.1	5.98	0	0	2 MASCOT	T	
2.58E-02 0|0	Cs8g05060.1	5.98	0	0	2 MASCOT	T	
1.74E-02 0|0	Cs8g05060.1	5.98	0	0	2 MASCOT	T	
5.02E-03 0|0	Cs8g05060.1	5.98	0	0	2 MASCOT	T	PLEX8
2.35E-03 0|0	Cs8g05060.1	5.98	0	0	2 MASCOT	T	PLEX8
4.45E-04 0|0	Cs8g05060.1	5.98	0	0	2 MASCOT	T	
8.26E-02 0|0	Cs8g05060.1	5.98	0	0	2 MASCOT	T	PLEX8
5.24E-03 0|0	Cs8g05060.1	5.98	0	0	2 MASCOT	T	PLEX8
1.01E-01 0|0	Cs8g05060.1	5.98	0	0	2 MASCOT	T	
4.19E-03 0|0	Cs8g05060.1	5.98	0	0	2 MASCOT	T	
4.91E-06 0|0	Cs8g05060.1	5.98	0	0	2 MASCOT	T	
1.58E-01 0|0	Cs8g05060.1	5.32	0 15.9	0	2 MASCOT	T	PLEX8
1.27E-03 0|0	Cs8g05060.1	5.32	0 15.9	0	2 MASCOT	T	PLEX8
2.57E-04 0|0	Cs8g05060.1	5.32	0 15.9	0	2 MASCOT	T	PLEX8
5.55E-03 0|0	Cs8g05060.1	5.32	0 15.9	0	2 MASCOT	T	PLEX8
1.15E-01 0|0	Cs8g05060.1	5.32	0 15.9	0	2 MASCOT	T	PLEX8

1.67E-01 0|0	Cs8g05060.1	5.32	0	15.9	0	2	MASCOT	T	PLEX8
3.19E-02 0|0	Cs8g05060.1	5.32	0	15.9	0	2	MASCOT	T	PLEX8
2.04E-01 0|0	Cs8g05060.1	5.32	0	15.9	0	2	MASCOT	T	PLEX8
1.86E-05 0|0	Cs8g05060.1	5.32	0	15.9	0	2	MASCOT	T	PLEX8
1.07E-05 0|0	Cs8g05060.1	5.32	0	15.9	0	2	MASCOT	T	PLEX8
4.06E-04 0|0	Cs8g05060.1	5.32	0	15.9	0	2	MASCOT	T	PLEX8
4.28E-02 0|0	Cs8g05060.1	5.32	0	15.9	0	2	MASCOT	T	
2.21E-05 0|0	Cs8g05060.1	5.32	0		0	2	MASCOT	T	PLEX8
3.72E-04 0|0	Cs8g05060.1	5.32	0		0	2	MASCOT	T	PLEX8
3.02E-04 0|0	Cs8g05060.1	5.32	0		0	2	MASCOT	T	PLEX8
5.01E-01 0|0	Cs8g05060.1	6.75	0		0	2	MASCOT	T	PLEX8
3.18E-02 0|0	Cs8g05060.1	6.75	0		0	2	MASCOT	T	PLEX8
2.76E-02 0|0	Cs8g05060.1	6.75	0		0	2	MASCOT	T	
3.52E-02 0|0	Cs8g05060.1	6.75	0		0	2	MASCOT	T	PLEX8
1.39E-01 0|0	Cs8g05060.1	8.41	0		0	2	MASCOT	T	PLEX8
6.87E-03 0|0	Cs8g05060.1	8.41	0		0	2	MASCOT	T	PLEX8
4.39E-02 0|0	Cs8g05060.1	8.41	0		0	2	MASCOT	T	PLEX8
2.24E-02 0|0	Cs8g05060.1	8.41	0		0	2	MASCOT	T	PLEX8
2.71E-03 0|0	Cs8g05060.1	8.41	0		0	2	MASCOT	T	PLEX8
5.76E-04 0|0	Cs8g05060.1	8.41	0		0	2	MASCOT	T	PLEX8
3.35E-03 0|0	Cs8g05060.1	8.41	0		0	2	MASCOT	T	
8.26E-03 0|0	Cs8g05060.1	8.41	0		0	2	MASCOT	T	
2.13E-01 0|0	Cs8g05060.1/orange1.	5.97	0		0	2	MASCOT	T	PLEX8
7.00E-02 0|0	Cs8g05060.1	4.37	0		0	2	MASCOT	T	PLEX8
4.70E-02 0|0	Cs8g05060.1	4.37	0		0	2	MASCOT	T	PLEX8
1.66E-02 0|0	Cs8g05060.1	4.37	0		0	2	MASCOT	T	PLEX8
7.98E-03 0|0	Cs8g05060.1	4.37	0		0	2	MASCOT	T	PLEX8
3.13E-03 0|0	Cs8g05060.1	4.37	0		0	2	MASCOT	T	PLEX8
2.26E-02 0|0	Cs8g05060.1	4.37	0		0	2	MASCOT	T	PLEX8
9.54E-04 0|0	Cs8g05060.1	4.37	0		0	2	MASCOT	T	PLEX8
3.15E-03 0|0	Cs8g05060.1	4.37	0		0	2	MASCOT	T	PLEX8
1.13E-02 0|0	Cs8g05060.1	4.37	0		0	2	MASCOT	T	PLEX8
1.05E-01 0|0	Cs8g05060.1	4.37	0		0	2	MASCOT	T	PLEX8
8.01E-02 0|0	Cs8g05060.1	4.37	0		0	2	MASCOT	T	PLEX8
6.69E-03 0|0	Cs8g05060.1	4.37	0		0	2	MASCOT	T	PLEX8
5.20E-02 0|0	Cs8g05060.1	4.37	0		0	2	MASCOT	T	PLEX8
1.21E-01 0|0	Cs8g05060.1	4.37	0		0	2	MASCOT	T	PLEX8
1.90E-01 0|0	Cs8g05060.1	4.37	0		0	2	MASCOT	T	PLEX8
9.59E-02 0|0	Cs8g05060.1	4.37	0		0	2	MASCOT	T	PLEX8
1.59E-01 0|0	Cs8g05060.1	4.37	0		0	2	MASCOT	T	PLEX8
5.47E-02 0|0	Cs8g05060.1	4.37	0		0	2	MASCOT	T	PLEX8
1.30E-01 0|0	Cs8g05060.1	4.37	0		0	2	MASCOT	T	PLEX8
2.81E-03 0|0	Cs8g05060.1	4.37	0		0	2	MASCOT	T	PLEX8
6.82E-02 0|0	Cs8g05060.1	8.72	0		0	2	MASCOT	T	PLEX8
5.63E-02 0|0	Cs8g05060.1	8.72	0		0	2	MASCOT	T	PLEX8
7.83E-03 0|0	Cs8g05060.1/orange1.	8.59	0		0	2	MASCOT	T	PLEX8
7.31E-02 0|0	Cs8g05060.1/orange1.	8.59	0		0	2	MASCOT	T	PLEX8
7.76E-02 0|0	Cs8g05060.1/orange1.	8.59	0		0	2	MASCOT	T	PLEX8
1.07E-02 0|0	Cs8g05060.1/orange1.	8.59	0		0	2	MASCOT	T	PLEX8
1.95E-01 0|0	Cs8g05060.1/orange1.	8.59	0		0	2	MASCOT	T	PLEX8
6.93E-02 0|0	Cs8g05060.1/orange1.	8.59	0		0	2	MASCOT	T	PLEX8

7.43E-02	0|0	Cs8g05060.1/orange1.	8.59	0	0	2	MASCOT	T	PLEX8	
6.97E-02	0|0	Cs8g05060.1/orange1.	8.59	0	0	2	MASCOT	T	PLEX8	
9.90E-03	0|0	Cs8g05060.1/orange1.	8.59	0	0	2	MASCOT	T	PLEX8	
1.48E-01	0|0	Cs8g05060.1/orange1.	8.59	0	0	2	MASCOT	T	PLEX8	
3.69E-02	0|0	Cs8g05060.1/orange1.	8.59	0	0	2	MASCOT	T	PLEX8	
2.10E-01	0|0	Cs8g05060.1/orange1.	8.59	0	0	2	MASCOT	T	PLEX8	
5.79E-03	0|0	Cs8g05060.1/orange1.	8.59	0	0	2	MASCOT	T	PLEX8	
4.08E-01	0|0	Cs8g05060.1/orange1.	8.59	0	0	2	MASCOT	T		
1.29E-02	0|0	Cs8g05060.1/orange1.	8.59	0	0	2	MASCOT	T	PLEX8	
6.53E-03	0|0	Cs8g05060.1/orange1.	8.59	0	0	2	MASCOT	T	PLEX8	
1.74E-01	0|0	Cs8g05060.1/orange1.	8.59	0	0	2	MASCOT	T	PLEX8	
1.60E-02	0|0	Cs8g05060.1/orange1.	8.59	0	0	2	MASCOT	T	PLEX8	
1.74E-01	0|0	Cs8g05060.1/orange1.	8.59	0	0	2	MASCOT	T		
1.08E-01	0|0	Cs8g05060.1/orange1.	8.59	0	0	2	MASCOT	T		
9.21E-03	0|0	Cs8g05060.1/orange1.	8.59	0	0	2	MASCOT	T	PLEX8	
3.09E-03	0|0	Cs8g05060.1/orange1.	8.59	0	0	2	MASCOT	T	PLEX8	
1.23E-01	0|0	Cs8g05060.1	5.88	0	0	2	MASCOT	T	PLEX8	
4.64E-01	0|0	Cs8g05060.1	5.88	0	0	2	MASCOT	T	PLEX8	
2.99E-02	0|0	Cs8g05060.1	3.93	0	0	2	MASCOT	T		
6.58E-02	0|0	Cs8g05060.1	3.93	0	0	2	MASCOT	T		
2.12E-02	0|0	Cs8g05060.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.23E-02	0|0	Cs8g05060.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.58E-02	0|0	Cs8g05060.1	4.37	0	0	2	MASCOT	T	PLEX8	
3.37E-02	0|0	Cs8g05060.1	4.37	0	0	2	MASCOT	T		
8.04E-03	0|0	Cs8g05060.1	4.37	0	0	2	MASCOT	T		
2.26E-02	0|0	Cs8g05060.1/orange1.	4.14	0	0	2	MASCOT	T	PLEX8	
6.82E-02	0|0	Cs8g05060.1/orange1.	4.14	0	0	2	MASCOT	T	PLEX8	
1.26E-02	0|0	Cs8g05060.1/orange1.	4.14	0	0	2	MASCOT	T	PLEX8	
3.54E-04	0|0	Cs8g05060.1/orange1.	4.14	0	0	2	MASCOT	T		
1.65E-05	0|0	Cs8g05060.1/orange1.	4.14	0	0	2	MASCOT	T		
9.12E-02	0|0	Cs8g05060.1/orange1.	4.14	0	0	2	MASCOT	T		
3.09E-02	0|0	Cs8g05060.1/orange1.	4.14	0	0	2	MASCOT	T	PLEX8	
6.71E-04	0|0	Cs8g05060.1/orange1.	4.14	0	0	2	MASCOT	T	PLEX8	
1.12E-02	0|0	Cs8g05060.1	6.75	1	15.9	0	2	MASCOT	T	PLEX8
1.28E-01	0|0	Cs8g05060.1	6.75	1	15.9	0	2	MASCOT	T	PLEX8
5.45E-04	0|0	Cs8g05060.1	6.75	1	15.9	0	2	MASCOT	T	PLEX8
5.30E-02	0|0	Cs8g05060.1	6.75	1	0	2	MASCOT	T	PLEX8	
3.77E-02	0|0	Cs8g05060.1	6.75	1	0	2	MASCOT	T	PLEX8	
2.62E-03	0|0	Cs8g05060.1	8.75	0	0	2	MASCOT	T	PLEX8	
3.16E-05	0|0	Cs8g05060.1	8.75	0	0	2	MASCOT	T	PLEX8	
1.32E-05	0|0	Cs8g05060.1	8.75	0	0	2	MASCOT	T	PLEX8	
1.46E-01	0|0	Cs8g05060.1	8.75	0	0	2	MASCOT	T	PLEX8	
7.99E-03	0|0	Cs8g05060.1	8.75	0	0	2	MASCOT	T	PLEX8	
1.24E-04	0|0	Cs8g05060.1	8.75	0	0	2	MASCOT	T	PLEX8	
2.34E-05	0|0	Cs8g05060.1	8.75	0	0	2	MASCOT	T	PLEX8	
2.03E-03	0|0	Cs8g05060.1	8.75	0	0	2	MASCOT	T	PLEX8	
1.62E-04	0|0	Cs8g05060.1	8.75	0	0	2	MASCOT	T	PLEX8	
8.54E-03	0|0	Cs8g05060.1	8.75	0	0	2	MASCOT	T	PLEX8	
2.09E-03	0|0	Cs8g05060.1	8.75	0	0	2	MASCOT	T	PLEX8	
3.97E-02	0|0	Cs8g05060.1	8.75	0	0	2	MASCOT	T	PLEX8	
4.73E-04	0|0	Cs8g05060.1	8.75	0	0	2	MASCOT	T	PLEX8	

2.89E-02 0|0	Cs8g05060.1	8.75	0	0	2 MASCOT	T	PLEX8	
2.32E-03 0|0	Cs8g05060.1	8.75	0	0	2 MASCOT	T	PLEX8	
7.61E-02 0|0	Cs8g05060.1	8.75	0	0	2 MASCOT	T	PLEX8	
3.44E-02 0|0	Cs8g05060.1	8.75	0	0	2 MASCOT	T	PLEX8	
3.51E-02 0|0	Cs8g05060.1	8.75	0	0	2 MASCOT	T	PLEX8	
1.16E-05 0|0	Cs8g05060.1	8.75	0	0	2 MASCOT	T	PLEX8	
1.41E-03 0|0	Cs8g05060.1	8.75	0	0	2 MASCOT	T	PLEX8	
6.84E-04 0|0	Cs8g05060.1	8.75	0	0	2 MASCOT	T	PLEX8	
1.96E-03 0|0	Cs8g05060.1	8.75	0	0	2 MASCOT	T	PLEX8	
9.20E-04 0|0	Cs8g05060.1	8.75	0	0	2 MASCOT	T	PLEX8	
3.47E-03 0|0	Cs8g05060.1	8.75	0	0	2 MASCOT	T		
9.97E-04 0|0	Cs8g05060.1	8.75	0	0	2 MASCOT	T	PLEX8	
3.22E-03 0|0	Cs8g05060.1	5.84	0	0	2 MASCOT	T	PLEX8	
1.73E-01 0|0	Cs8g05060.1	5.84	0	0	2 MASCOT	T	PLEX8	
6.63E-03 0|0	Cs8g05060.1	5.84	0	0	2 MASCOT	T	PLEX8	
6.72E-02 0|0	Cs8g05060.1	5.84	0	0	2 MASCOT	T	PLEX8	
3.58E-01 0|0	Cs8g05060.1	5.84	0	0	2 MASCOT	T	PLEX8	
2.87E-01 0|0	Cs8g05060.1	5.84	0	0	2 MASCOT	T	PLEX8	
1.67E-01 0|0	Cs8g05060.1	5.84	0	0	2 MASCOT	T	PLEX8	
2.86E-03 0|0	Cs8g05060.1	5.84	0	0	2 MASCOT	T	PLEX8	
1.06E-02 0|0	Cs8g05060.1	5.84	0	0	2 MASCOT	T	PLEX8	
4.22E-03 0|0	Cs8g05060.1	5.84	0	0	2 MASCOT	T	PLEX8	
4.96E-04 0|0	Cs8g05060.1	5.84	0	0	2 MASCOT	T	PLEX8	
2.00E-02 0|0	Cs8g05060.1	5.84	0	0	2 MASCOT	T	PLEX8	
6.70E-03 0|0	Cs8g05060.1	5.84	0	0	2 MASCOT	T	PLEX8	
1.54E-03 0|0	Cs8g05060.1	5.84	0	0	2 MASCOT	T		
7.51E-02 0|0	Cs8g05060.1/orange1.	5.84	0	15.9	0	2 MASCOT	T	PLEX8
6.80E-02 0|0	Cs8g05060.1/orange1.	5.84	0	15.9	0	2 MASCOT	T	PLEX8
2.06E-01 0|0	Cs8g05060.1/orange1.	5.84	0	15.9	0	2 MASCOT	T	PLEX8
9.14E-02 0|0	Cs8g05060.1/orange1.	5.84	0	15.9	0	2 MASCOT	T	PLEX8
1.49E-02 0|0	Cs8g05060.1/orange1.	5.84	0	0	2 MASCOT	T	PLEX8	
2.06E-02 0|0	Cs8g05060.1/orange1.	5.84	0	0	2 MASCOT	T	PLEX8	
1.48E-02 0|0	Cs8g05060.1/orange1.	5.84	0	0	2 MASCOT	T	PLEX8	
4.69E-02 0|0	Cs8g05060.1/orange1.	5.84	0	0	2 MASCOT	T	PLEX8	
2.14E-01 0|0	Cs8g05060.1/orange1.	5.84	0	0	2 MASCOT	T	PLEX8	
1.09E-01 0|0	Cs8g05060.1/orange1.	5.84	0	0	2 MASCOT	T	PLEX8	
2.02E-02 0|0	Cs1g26400.1	4.37	0	0	2 MASCOT	T		
4.67E-02 0|0	Cs1g26400.1	6.05	0	0	2 MASCOT	T	PLEX8	
2.59E-01 0|0	Cs1g26400.1	4.21	0	0	2 MASCOT	T	PLEX8	
4.56E-02 0|0	Cs1g26400.1	4.21	0	0	2 MASCOT	T	PLEX8	
6.32E-02 0|0	Cs1g26400.1	4.21	0	0	2 MASCOT	T	PLEX8	
8.31E-04 0|0	Cs1g26400.1	4.21	0	0	2 MASCOT	T	PLEX8	
2.72E-01 0|0	Cs1g26400.1	4.21	0	0	2 MASCOT	T	PLEX8	
3.01E-01 0|0	Cs1g26400.1	4.21	0	0	2 MASCOT	T		
8.15E-02 0|0	Cs1g26400.1	6.1	0	0	2 MASCOT	T		
6.41E-02 0|0	Cs1g26400.1	6.1	0	0	2 MASCOT	T	PLEX8	
1.67E-01 0|0	Cs1g26400.1	8.22	0	0	2 MASCOT	T	PLEX8	
3.31E-03 0|0	Cs1g26400.1	8.22	0	0	2 MASCOT	T	PLEX8	
6.95E-02 0|0	Cs1g26400.1	8.22	0	0	2 MASCOT	T	PLEX8	
5.07E-02 0|0	Cs1g26400.1	8.22	0	0	2 MASCOT	T	PLEX8	
1.65E-02 0|0	Cs1g26400.1	8.22	0	0	2 MASCOT	T	PLEX8	

1.87E-04 0|0	Cs1g26400.1	4.03	0	0	2 MASCOT	T	PLEX8
7.78E-02 0|0	Cs1g26400.1	4.03	0	0	2 MASCOT	T	PLEX8
8.03E-06 0|0	Cs1g26400.1	4.03	0	0	2 MASCOT	T	PLEX8
2.64E-03 0|0	Cs1g26400.1	4.03	0	0	2 MASCOT	T	
1.67E-03 0|0	Cs1g26400.1	4.03	0	0	2 MASCOT	T	
1.43E-01 0|0	Cs1g26400.1	4.03	0	0	2 MASCOT	T	
2.82E-01 0|0	Cs1g26400.1	4.03	0	0	2 MASCOT	T	PLEX8
1.55E-02 0|0	Cs1g26400.1	4.03	0	0	2 MASCOT	T	PLEX8
1.20E-01 0|0	Cs1g26400.1	5.95	0 15.9	0	2 MASCOT	T	PLEX8
8.32E-04 0|0	Cs1g26400.1	5.95	0 15.9	0	2 MASCOT	T	PLEX8
6.21E-02 0|0	Cs1g26400.1	5.95	0 15.9	0	2 MASCOT	T	PLEX8
3.06E-04 0|0	Cs1g26400.1	5.95	0 15.9	0	2 MASCOT	T	
1.01E-04 0|0	Cs1g26400.1	5.95	0	0	2 MASCOT	T	PLEX8
7.34E-03 0|0	Cs1g26400.1	5.95	0	0	2 MASCOT	T	PLEX8
3.47E-06 0|0	Cs1g26400.1	9.75	0	0	2 MASCOT	T	
1.16E-03 0|0	Cs1g26400.1	9.75	0	0	2 MASCOT	T	
5.62E-04 0|0	Cs1g26400.1	4.14	0	0	2 MASCOT	T	PLEX8
9.18E-03 0|0	Cs1g26400.1	4.14	0	0	2 MASCOT	T	PLEX8
1.05E-02 0|0	Cs1g26400.1	4.14	0	0	2 MASCOT	T	PLEX8
1.96E-02 0|0	Cs1g26400.1	4.14	0	0	2 MASCOT	T	PLEX8
2.98E-04 0|0	Cs1g26400.1	4.14	0	0	2 MASCOT	T	PLEX8
6.30E-03 0|0	Cs1g26400.1	4.14	0	0	2 MASCOT	T	PLEX8
2.09E-02 0|0	Cs1g26400.1	4.14	0	0	2 MASCOT	T	PLEX8
1.17E-02 0|0	Cs1g26400.1	4.14	0	0	2 MASCOT	T	PLEX8
1.44E-01 0|0	Cs1g26400.1	4.14	0	0	2 MASCOT	T	PLEX8
1.33E-03 0|0	Cs1g26400.1	4.14	0	0	2 MASCOT	T	PLEX8
9.68E-03 0|0	Cs1g26400.1	4.14	0	0	2 MASCOT	T	PLEX8
2.06E-02 0|0	Cs1g26400.1	4.14	0	0	2 MASCOT	T	PLEX8
4.55E-01 0|0	Cs1g26400.1	5.5	0	0	2 MASCOT	T	PLEX8
3.25E-02 0|0	Cs1g26400.1	5.5	0	0	2 MASCOT	T	PLEX8
4.39E-01 0|0	Cs1g26400.1	6	0	0	2 MASCOT	T	PLEX8
3.47E-04 0|0	Cs1g26400.1	6.05	0 15.9	0	2 MASCOT	T	PLEX8
6.68E-02 0|0	Cs1g26400.1	6.05	0 15.9	0	2 MASCOT	T	PLEX8
7.08E-05 0|0	Cs1g26400.1	6.05	0	0	2 MASCOT	T	PLEX8
1.03E-06 0|0	Cs1g26400.1	6.05	0	0	2 MASCOT	T	PLEX8
4.57E-03 0|0	Cs1g26400.1	6.05	0	0	2 MASCOT	T	PLEX8
4.23E-03 0|0	Cs1g26400.1	6.05	0	0	2 MASCOT	T	PLEX8
1.00E-03 0|0	Cs1g26400.1	6.05	0	0	2 MASCOT	T	PLEX8
6.69E-03 0|0	Cs1g26400.1	8.59	0	0	2 MASCOT	T	PLEX8
2.85E-03 0|0	Cs1g26400.1	8.59	0	0	2 MASCOT	T	PLEX8
3.40E-03 0|0	Cs1g26400.1	8.59	0	0	2 MASCOT	T	PLEX8
3.27E-03 0|0	Cs1g26400.1	8.59	0	0	2 MASCOT	T	PLEX8
3.66E-03 0|0	Cs1g26400.1	8.59	0	0	2 MASCOT	T	PLEX8
4.56E-03 0|0	Cs1g26400.1	8.59	0	0	2 MASCOT	T	PLEX8
3.27E-03 0|0	Cs1g26400.1	8.59	0	0	2 MASCOT	T	PLEX8
2.59E-02 0|0	Cs1g26400.1	8.59	0	0	2 MASCOT	T	PLEX8
8.31E-03 0|0	Cs1g26400.1	8.59	0	0	2 MASCOT	T	PLEX8
4.48E-03 0|0	Cs1g26400.1	8.59	0	0	2 MASCOT	T	PLEX8
6.71E-04 0|0	Cs1g26400.1	8.59	0	0	2 MASCOT	T	PLEX8
3.37E-02 0|0	Cs1g26400.1	8.59	0	0	2 MASCOT	T	PLEX8
3.90E-02 0|0	Cs1g26400.1	8.59	0	0	2 MASCOT	T	PLEX8

3.73E-03 0|0	Cs1g26400.1	8.59	0	0	2 MASCOT	T	PLEX8	
1.10E-02 0|0	Cs1g26400.1	8.59	0	0	2 MASCOT	T	PLEX8	
7.22E-02 0|0	Cs1g26400.1	8.59	0	0	2 MASCOT	T	PLEX8	
3.54E-03 0|0	Cs1g26400.1	8.59	0	0	2 MASCOT	T	PLEX8	
2.49E-04 0|0	Cs1g26400.1	8.59	0	0	2 MASCOT	T	PLEX8	
3.05E-01 0|0	Cs1g26400.1	8.59	0	0	2 MASCOT	T	PLEX8	
7.05E-02 0|0	Cs1g26400.1	8.59	0	0	2 MASCOT	T	PLEX8	
1.84E-01 0|0	Cs1g26400.1	8.59	0	0	2 MASCOT	T	PLEX8	
6.06E-02 0|0	Cs1g26400.1	8.59	0	0	2 MASCOT	T	PLEX8	
1.48E-01 0|0	Cs1g26400.1	8.59	0	0	2 MASCOT	T		
9.02E-03 0|0	Cs1g26400.1	6.75	0	15.9	0	2 MASCOT	T	PLEX8
2.93E-04 0|0	Cs1g26400.1	6.75	0	15.9	0	2 MASCOT	T	PLEX8
1.19E-04 0|0	Cs1g26400.1	6.75	0	15.9	0	2 MASCOT	T	PLEX8
9.53E-04 0|0	Cs1g26400.1	6.75	0	15.9	0	2 MASCOT	T	PLEX8
4.87E-03 0|0	Cs1g26400.1	6.75	0	15.9	0	2 MASCOT	T	PLEX8
1.92E-02 0|0	Cs1g26400.1	6.75	0	0	2 MASCOT	T	PLEX8	
2.50E-03 0|0	Cs1g26400.1	6.75	0	0	2 MASCOT	T	PLEX8	
2.54E-03 0|0	Cs1g26400.1	6.75	0	0	2 MASCOT	T	PLEX8	
2.62E-03 0|0	Cs1g26400.1	6.75	0	0	2 MASCOT	T	PLEX8	
9.27E-02 0|0	Cs1g26400.1	5.96	1	0	2 MASCOT	T	PLEX8	
2.31E-01 0|0	Cs1g26400.1	5.72	0	15.9	0	2 MASCOT	T	PLEX8
1.40E-01 0|0	Cs1g26400.1	5.72	0	15.9	0	2 MASCOT	T	PLEX8
1.44E-01 0|0	Cs1g26400.1	5.72	0	15.9	0	2 MASCOT	T	PLEX8
5.70E-02 0|0	Cs1g26400.1	5.72	0	15.9	0	2 MASCOT	T	PLEX8
2.67E-01 0|0	Cs1g26400.1	5.72	0	15.9	0	2 MASCOT	T	PLEX8
3.43E-02 0|0	Cs1g26400.1	5.72	0	15.9	0	2 MASCOT	T	PLEX8
4.77E-02 0|0	Cs1g26400.1	5.72	0	15.9	0	2 MASCOT	T	
3.87E-01 0|0	Cs1g26400.1	5.72	0	0	2 MASCOT	T	PLEX8	
1.25E-02 0|0	Cs1g26400.1	5.72	0	0	2 MASCOT	T	PLEX8	
1.94E-02 0|0	Cs1g26400.1	5.72	0	0	2 MASCOT	T	PLEX8	
1.21E-02 0|0	Cs1g26400.1	5.72	0	0	2 MASCOT	T	PLEX8	
1.75E-02 0|0	Cs1g26400.1	5.72	0	0	2 MASCOT	T	PLEX8	
2.03E-01 0|0	Cs1g26400.1	5.72	0	0	2 MASCOT	T	PLEX8	
5.05E-02 0|0	Cs1g26400.1	5.72	0	0	2 MASCOT	T	PLEX8	
8.06E-03 0|0	Cs1g26400.1	5.72	0	0	2 MASCOT	T	PLEX8	
1.59E-02 0|0	Cs1g26400.1	4.37	0	0	2 MASCOT	T	PLEX8	
5.37E-03 0|0	Cs1g26400.1	4.37	0	0	2 MASCOT	T		
9.65E-03 0|0	Cs1g26400.1	4.37	0	0	2 MASCOT	T	PLEX8	
7.69E-03 0|0	Cs1g26400.1	4.37	0	0	2 MASCOT	T	PLEX8	
6.86E-04 0|0	Cs1g26400.1	4.37	0	0	2 MASCOT	T	PLEX8	
1.11E-04 0|0	Cs1g26400.1	4.37	0	0	2 MASCOT	T	PLEX8	
6.49E-04 0|0	Cs1g26400.1	4.37	0	0	2 MASCOT	T	PLEX8	
5.83E-03 0|0	Cs1g26400.1	4.37	0	0	2 MASCOT	T		
1.14E-03 0|0	Cs1g26400.1	4.37	0	0	2 MASCOT	T		
1.60E-06 0|0	Cs1g26400.1	4.37	0	0	2 MASCOT	T		
7.61E-04 0|0	Cs1g26400.1	5.97	0	0	2 MASCOT	T	PLEX8	
1.84E-04 0|0	Cs1g26400.1	5.97	0	0	2 MASCOT	T	PLEX8	
1.57E-03 0|0	Cs1g26400.1	5.97	0	0	2 MASCOT	T	PLEX8	
1.96E-03 0|0	Cs1g26400.1	5.97	0	0	2 MASCOT	T	PLEX8	
3.07E-01 0|0	Cs1g26400.1	5.97	0	0	2 MASCOT	T	PLEX8	
1.99E-01 0|0	Cs1g26400.1	5.97	0	0	2 MASCOT	T	PLEX8	

9.25E-04 0|0	Cs1g26400.1	5.97	0	0	2 MASCOT	T	PLEX8
1.35E-01 0|0	Cs1g26400.1	5.97	0	0	2 MASCOT	T	
2.28E-02 0|0	Cs1g26400.1	5.97	0	0	2 MASCOT	T	PLEX8
3.25E-01 0|0	Cs1g26400.1	5.97	0	0	2 MASCOT	T	
1.61E-01 0|0	Cs6g15540.1/Cs6g155	8.63	0	0	2 MASCOT	T	PLEX8
1.25E-02 0|0	Cs7g26180.1	8.75	0	0	2 MASCOT	T	PLEX8
3.65E-02 0|0	Cs7g26180.1	8.75	0	0	2 MASCOT	T	PLEX8
1.04E-01 0|0	Cs7g26180.1	8.75	0	0	2 MASCOT	T	PLEX8
1.67E-01 0|0	Cs7g26180.1	8.75	0	0	2 MASCOT	T	PLEX8
2.25E-02 0|0	Cs7g26180.1	8.75	0	0	2 MASCOT	T	PLEX8
4.16E-01 0|0	Cs7g26180.1	8.59	0	0	2 MASCOT	T	PLEX8
1.42E-01 0|0	Cs7g26180.1	6.75	0	0	2 MASCOT	T	PLEX8
4.44E-03 0|0	Cs7g26180.1	6.75	0	0	2 MASCOT	T	PLEX8
1.22E-02 0|0	Cs7g26180.1	6.75	0	0	2 MASCOT	T	PLEX8
1.70E-02 0|0	Cs7g26180.1	6.75	0	0	2 MASCOT	T	PLEX8
1.50E-01 0|0	Cs7g26180.1	6.75	0	0	2 MASCOT	T	PLEX8
8.36E-02 0|0	Cs7g26180.1	6.75	0	0	2 MASCOT	T	
5.45E-03 0|0	Cs7g26180.1	6.75	0	0	2 MASCOT	T	PLEX8
6.77E-04 0|0	Cs7g26180.1	6.75	0	0	2 MASCOT	T	
2.11E-02 0|0	Cs7g26180.1	6.75	0	0	2 MASCOT	T	PLEX8
1.49E-01 0|0	Cs7g26180.1	6.75	0	0	2 MASCOT	T	PLEX8
1.25E-02 0|0	Cs7g26180.1	6.75	0	0	2 MASCOT	T	PLEX8
1.84E-02 0|0	Cs7g26180.1	6.75	0	0	2 MASCOT	T	
1.80E-02 0|0	Cs7g26180.1	5.84	0	0	2 MASCOT	T	PLEX8
8.28E-02 0|0	Cs7g26180.1	5.84	0	0	2 MASCOT	T	PLEX8
1.90E-02 0|0	Cs7g26180.1	5.84	0	0	2 MASCOT	T	PLEX8
3.18E-02 0|0	Cs7g26180.1	5.84	0	0	2 MASCOT	T	PLEX8
2.33E-02 0|0	Cs7g26180.1	5.84	0	0	2 MASCOT	T	PLEX8
1.90E-02 0|0	Cs7g26180.1	5.84	0	0	2 MASCOT	T	PLEX8
3.16E-02 0|0	Cs7g26180.1	5.84	0	0	2 MASCOT	T	PLEX8
3.99E-01 0|0	Cs7g26180.1	5.84	0	0	2 MASCOT	T	
1.18E-01 0|0	Cs7g26180.1	5.84	0	0	2 MASCOT	T	
4.43E-04 0|0	Cs7g26180.1	5.21	0	0	2 MASCOT	T	PLEX8
3.76E-05 0|0	Cs7g26180.1	5.21	0	0	2 MASCOT	T	PLEX8
4.27E-02 0|0	Cs7g26180.1	5.21	0	0	2 MASCOT	T	PLEX8
7.93E-04 0|0	Cs7g26180.1	5.21	0	0	2 MASCOT	T	
2.00E-01 0|0	Cs7g26180.1	5.21	0	0	2 MASCOT	T	
1.25E-01 0|0	Cs7g26180.1	9.49	0	0	2 MASCOT	T	PLEX8
2.94E-02 0|0	Cs7g26180.1	9.49	0	0	2 MASCOT	T	PLEX8
3.78E-02 0|0	Cs7g26180.1	7.94	0	0	2 MASCOT	T	PLEX8
1.73E-02 0|0	Cs7g26180.1	7.94	0	0	2 MASCOT	T	PLEX8
3.51E-02 0|0	Cs6g15540.1/Cs7g261	7.91	0	0	2 MASCOT	T	PLEX8
6.02E-02 0|0	Cs6g15540.1/Cs7g261	7.91	0	0	2 MASCOT	T	PLEX8
2.62E-02 0|0	Cs7g26180.1	4.37	0	0	2 MASCOT	T	PLEX8
2.71E-01 0|0	Cs7g26180.1	4.37	0	0	2 MASCOT	T	
2.69E-01 0|0	Cs7g26180.1	5.84	0	0	2 MASCOT	T	PLEX8
2.81E-01 0|0	Cs7g26180.1	5.84	0	0	2 MASCOT	T	PLEX8
2.80E-01 0|0	Cs7g26180.1	5.84	0	0	2 MASCOT	T	
1.42E-09 0|0	Cs7g26180.1	3.84	0	0	2 MASCOT	T	PLEX8
2.86E-06 0|0	Cs7g26180.1	3.84	0	0	2 MASCOT	T	
5.32E-07 0|0	Cs7g26180.1	3.84	0	0	2 MASCOT	T	PLEX8

2.18E-05	0|0	Cs7g26180.1	3.84	0	0	2	MASCOT	T	PLEX8	
5.30E-02	0|0	Cs7g26180.1	8.8	0	0	2	MASCOT	T	PLEX8	
6.93E-05	0|0	Cs7g26180.1	3.77	0	15.9	0	2	MASCOT	T	
1.14E-04	0|0	Cs7g26180.1	3.77	0	0	2	MASCOT	T		
8.94E-03	0|0	Cs7g26180.1	4.14	0	0	2	MASCOT	T	PLEX8	
1.30E-03	0|0	Cs7g26180.1	4.14	0	0	2	MASCOT	T		
7.81E-03	0|0	Cs7g26180.1	4.14	0	0	2	MASCOT	T	PLEX8	
4.67E-04	0|0	Cs7g26180.1	4.14	0	0	2	MASCOT	T	PLEX8	
1.85E-03	0|0	Cs7g26180.1	4.14	0	0	2	MASCOT	T	PLEX8	
2.02E-02	0|0	Cs7g26180.1	4.14	0	0	2	MASCOT	T	PLEX8	
3.08E-02	0|0	Cs7g26180.1	4.14	0	0	2	MASCOT	T	PLEX8	
2.16E-03	0|0	Cs7g26180.1	4.14	0	0	2	MASCOT	T		
1.68E-01	0|0	Cs7g26180.1	4.14	0	0	2	MASCOT	T		
2.24E-01	0|0	Cs7g26180.1	4.25	0	0	2	MASCOT	T	PLEX8	
5.26E-01	0|0	Cs7g26180.1	6.5	0	15.9	0	2	MASCOT	T	PLEX8
4.85E-01	0|0	Cs7g26180.1	6.5	0	15.9	0	2	MASCOT	T	PLEX8
3.09E-01	0|0	Cs7g26180.1	6.5	0	15.9	0	2	MASCOT	T	
5.16E-01	0|0	Cs7g26180.1	6.5	0	0	2	MASCOT	T	PLEX8	
2.81E-02	0|0	Cs7g26180.1	6.5	0	0	2	MASCOT	T	PLEX8	
5.35E-01	0|0	Cs7g26180.1	6.5	0	0	2	MASCOT	T	PLEX8	
1.94E-01	0|0	Cs7g26180.1	6.5	0	0	2	MASCOT	T		
6.16E-02	0|0	Cs7g26180.1	5.84	0	0	2	MASCOT	T	PLEX8	
1.35E-01	0|0	Cs5g03080.1/Cs5g030	5.84	0	0	2	MASCOT	T	PLEX8	
5.25E-02	0|0	Cs5g03080.1/Cs5g030	5.84	0	0	2	MASCOT	T	PLEX8	
7.46E-03	0|0	Cs5g03080.1/Cs5g030	5.84	0	0	2	MASCOT	T	PLEX8	
2.41E-01	0|0	Cs5g03080.1/Cs5g030	5.84	0	0	2	MASCOT	T	PLEX8	
2.96E-01	0|0	Cs5g03080.1/Cs5g030	5.84	0	0	2	MASCOT	T	PLEX8	
2.34E-01	0|0	Cs5g03080.1/Cs5g030	5.84	0	0	2	MASCOT	T		
1.84E-01	0|0	Cs5g03080.1/Cs5g030	5.84	0	0	2	MASCOT	T	PLEX8	
3.54E-02	0|0	Cs5g03080.1/Cs5g030	5.84	0	0	2	MASCOT	T	PLEX8	
8.86E-03	0|0	Cs5g03080.1/Cs5g030	5.84	0	0	2	MASCOT	T	PLEX8	
1.62E-01	0|0	Cs5g03080.1/Cs5g030	8.6	0	0	2	MASCOT	T	PLEX8	
2.39E-01	0|0	Cs5g03080.1/Cs5g030	8.6	0	0	2	MASCOT	T	PLEX8	
5.22E-02	0|0	Cs5g03080.1/Cs5g030	8.6	0	0	2	MASCOT	T	PLEX8	
6.89E-03	0|0	Cs5g03080.1/Cs5g030	8.6	0	0	2	MASCOT	T		
6.75E-04	0|0	Cs5g03080.1/Cs5g030	5.32	0	0	2	MASCOT	T	PLEX8	
2.16E-02	0|0	Cs5g03080.1/Cs5g030	5.32	0	0	2	MASCOT	T	PLEX8	
3.71E-01	0|0	Cs5g03080.1/Cs5g030	5.32	0	0	2	MASCOT	T	PLEX8	
2.52E-04	0|0	Cs5g03080.1/Cs5g030	5.32	0	0	2	MASCOT	T		
1.08E-06	0|0	Cs5g03080.1/Cs5g030	4.25	0	0	2	MASCOT	T		
2.84E-02	0|0	Cs5g03080.1/Cs5g030	4.37	0	0	2	MASCOT	T	PLEX8	
1.09E-01	0|0	Cs5g03080.1/Cs5g030	4.37	0	0	2	MASCOT	T	PLEX8	
2.38E-02	0|0	Cs5g03080.1/Cs5g030	8.75	0	0	2	MASCOT	T	PLEX8	
4.54E-02	0|0	Cs5g03080.1/Cs5g030	8.75	0	0	2	MASCOT	T	PLEX8	
5.60E-02	0|0	Cs5g03080.1/Cs5g030	8.75	0	0	2	MASCOT	T	PLEX8	
1.45E-01	0|0	Cs5g03080.1/Cs5g030	8.22	0	0	2	MASCOT	T		
1.79E-02	0|0	Cs5g03080.1/Cs5g030	8.22	0	0	2	MASCOT	T		
3.06E-04	0|0	Cs5g03080.1/Cs5g030	8.22	0	0	2	MASCOT	T		
1.82E-02	0|0	Cs5g03080.1/Cs5g030	8.22	0	0	2	MASCOT	T		
7.01E-02	0|0	Cs5g03080.1/Cs5g030	8.22	0	0	2	MASCOT	T		
3.72E-04	0|0	Cs5g03080.1/Cs5g030	8.22	0	0	2	MASCOT	T		

1.44E-01	0|0	Cs5g03080.1/Cs5g030	8.22	0	0	2	MASCOT	T	PLEX8	
1.63E-02	0|0	Cs5g03080.1/Cs5g030	3.84	0	0	2	MASCOT	T		
1.80E-02	0|0	Cs5g03080.1/Cs5g030	3.84	0	0	2	MASCOT	T		
7.04E-03	0|0	Cs5g03080.1/Cs5g030	6.1	0	0	2	MASCOT	T	PLEX8	
2.44E-04	0|0	Cs5g03080.1/Cs5g030	6.1	0	0	2	MASCOT	T	PLEX8	
3.48E-03	0|0	Cs5g03080.1/Cs5g030	6.1	0	0	2	MASCOT	T		
1.29E-04	0|0	Cs5g03080.1/Cs5g030	6.1	0	0	2	MASCOT	T		
4.98E-04	0|0	Cs5g03080.1/Cs5g030	6.1	0	0	2	MASCOT	T	PLEX8	
4.39E-05	0|0	Cs5g03080.1/Cs5g030	6.1	0	0	2	MASCOT	T	PLEX8	
1.15E-01	0|0	Cs5g03080.1/Cs5g030	9.75	0	0	2	MASCOT	T	PLEX8	
4.36E-05	0|0	Cs5g03080.1/Cs5g030	6.74	0	0	2	MASCOT	T	PLEX8	
2.25E-02	0|0	Cs5g03080.1/Cs5g030	6.74	0	0	2	MASCOT	T	PLEX8	
4.30E-03	0|0	Cs5g03080.1/Cs5g030	6.74	0	0	2	MASCOT	T	PLEX8	
4.06E-05	0|0	Cs5g03080.1/Cs5g030	6.74	0	0	2	MASCOT	T	PLEX8	
1.63E-03	0|0	Cs5g03080.1/Cs5g030	6.74	0	0	2	MASCOT	T	PLEX8	
3.24E-02	0|0	Cs5g03080.1/Cs5g030	8.23	0	0	2	MASCOT	T	PLEX8	
2.68E-01	0|0	Cs5g03080.1/Cs5g030	5.55	0	0	2	MASCOT	T	PLEX8	
9.10E-03	0|0	Cs5g03080.1/Cs5g030	5.29	0	15.9	0	2	MASCOT	T	PLEX8
6.44E-03	0|0	Cs5g03080.1/Cs5g030	5.29	0	15.9	0	2	MASCOT	T	PLEX8
3.08E-04	0|0	Cs5g03080.1/Cs5g030	5.29	0	0	2	MASCOT	T	PLEX8	
5.71E-03	0|0	Cs5g03080.1/Cs5g030	5.29	0	0	2	MASCOT	T	PLEX8	
7.22E-02	0|0	Cs5g03080.1/Cs5g030	5.99	0	0	2	MASCOT	T	PLEX8	
1.05E-02	0|0	Cs5g03080.1/Cs5g030	5.99	0	0	2	MASCOT	T	PLEX8	
4.89E-02	0|0	Cs5g03080.1/Cs5g030	5.99	0	0	2	MASCOT	T		
1.99E-02	0|0	Cs5g03080.1/Cs5g030	5.99	0	0	2	MASCOT	T		
4.52E-02	0|0	Cs5g03080.1/Cs5g030	4.53	0	0	2	MASCOT	T	PLEX8	
3.20E-04	0|0	Cs5g03080.1/Cs5g030	6	0	0	2	MASCOT	T	PLEX8	
3.92E-05	0|0	Cs5g03080.1/Cs5g030	6	0	0	2	MASCOT	T	PLEX8	
3.90E-03	0|0	Cs5g03080.1/Cs5g030	6	0	0	2	MASCOT	T		
2.33E-02	0|0	Cs2g15020.1/Cs2g150	3.84	0	0	2	MASCOT	T	PLEX8	
3.82E-02	0|0	Cs2g15020.1/Cs2g150	3.84	0	0	2	MASCOT	T	PLEX8	
2.61E-04	0|0	Cs2g15020.1/Cs2g150	3.84	0	0	2	MASCOT	T		
4.67E-03	0|0	Cs2g15020.1/Cs2g150	3.84	0	0	2	MASCOT	T	PLEX8	
5.41E-02	0|0	Cs2g15020.1/Cs2g150	5.82	0	0	2	MASCOT	T		
4.95E-03	0|0	Cs2g15020.1/Cs2g150	4.25	0	0	2	MASCOT	T	PLEX8	
3.38E-05	0|0	Cs2g15020.1/Cs2g150	4.25	0	0	2	MASCOT	T	PLEX8	
2.93E-02	0|0	Cs2g15020.1/Cs2g150	8.61	0	0	2	MASCOT	T	PLEX8	
2.45E-02	0|0	Cs2g15020.1/Cs2g150	8.61	0	0	2	MASCOT	T	PLEX8	
3.49E-02	0|0	Cs2g15020.1/Cs2g150	8.72	0	0	2	MASCOT	T		
1.76E-01	0|0	Cs2g15020.1/Cs2g150	8.72	0	0	2	MASCOT	T	PLEX8	
1.40E-01	0|0	Cs2g15020.1/Cs2g150	8.72	0	0	2	MASCOT	T	PLEX8	
2.05E-03	0|0	Cs2g15020.1/Cs2g150	8.72	0	0	2	MASCOT	T	PLEX8	
1.73E-03	0|0	Cs2g15020.1/Cs2g150	8.72	0	0	2	MASCOT	T		
1.55E-01	0|0	Cs2g15020.1/Cs2g150	6	0	0	2	MASCOT	T		
9.47E-03	0|0	Cs2g15020.1/Cs2g150	4.37	0	0	2	MASCOT	T	PLEX8	
2.14E-02	0|0	Cs2g15020.1/Cs2g150	4.21	0	0	2	MASCOT	T	PLEX8	
1.39E-03	0|0	Cs2g15020.1/Cs2g150	4.21	0	0	2	MASCOT	T	PLEX8	
4.18E-03	0|0	Cs2g15020.1/Cs2g150	4.21	0	0	2	MASCOT	T	PLEX8	
1.28E-02	0|0	Cs2g15020.1/Cs2g150	4.21	0	0	2	MASCOT	T	PLEX8	
9.27E-03	0|0	Cs2g15020.1/Cs2g150	6.75	0	0	2	MASCOT	T	PLEX8	
2.69E-02	0|0	Cs2g15020.1/Cs2g150	6.75	0	0	2	MASCOT	T	PLEX8	

1.44E-01	0|0	Cs2g15020.1/Cs2g150	4.37	0	0	2	MASCOT	T	PLEX8
5.89E-02	0|0	Cs2g15020.1/Cs2g150	4.37	0	0	2	MASCOT	T	PLEX8
1.44E-01	0|0	Cs2g15020.1/Cs2g150	4.37	0	0	2	MASCOT	T	PLEX8
1.16E-01	0|0	Cs2g15020.1/Cs2g150	4.37	0	0	2	MASCOT	T	PLEX8
4.63E-02	0|0	Cs2g15020.1/Cs2g150	4.37	0	0	2	MASCOT	T	PLEX8
2.06E-02	0|0	Cs2g15020.1/Cs2g150	4.37	0	0	2	MASCOT	T	PLEX8
2.54E-01	0|0	Cs2g15020.1/Cs2g150	4.37	0	0	2	MASCOT	T	
4.51E-01	0|0	Cs2g15020.1/Cs2g150	8.75	0	0	2	MASCOT	T	PLEX8
4.21E-01	0|0	Cs2g15020.1/Cs2g150	8.75	0	0	2	MASCOT	T	PLEX8
1.85E-01	0|0	Cs2g15020.1/Cs2g150	4.21	0	0	2	MASCOT	T	PLEX8
1.51E-01	0|0	Cs2g15020.1/Cs2g150	4.21	0	0	2	MASCOT	T	PLEX8
9.75E-03	0|0	Cs2g15020.1/Cs2g150	5.29	0	0	2	MASCOT	T	PLEX8
7.45E-02	0|0	Cs2g15020.1/Cs2g150	5.29	0	0	2	MASCOT	T	PLEX8
2.72E-02	0|0	Cs2g15020.1/Cs2g150	5.29	0	0	2	MASCOT	T	PLEX8
2.45E-02	0|0	Cs2g15020.1/Cs2g150	5.29	0	0	2	MASCOT	T	PLEX8
1.42E-01	0|0	Cs2g15020.1/Cs2g150	5.29	0	0	2	MASCOT	T	
9.85E-02	0|0	Cs2g15020.1/Cs2g150	5.29	0	0	2	MASCOT	T	
1.60E-02	0|0	Cs2g15020.1/Cs2g150	4.37	0	0	2	MASCOT	T	PLEX8
1.93E-02	0|0	Cs2g15020.1/Cs2g150	4.37	0	0	2	MASCOT	T	PLEX8
1.74E-03	0|0	Cs2g15020.1/Cs2g150	4.37	0	0	2	MASCOT	T	PLEX8
2.82E-02	0|0	Cs2g15020.1/Cs2g150	4.37	0	0	2	MASCOT	T	PLEX8
5.72E-03	0|0	Cs2g15020.1/Cs2g150	5.21	0	0	2	MASCOT	T	PLEX8
2.14E-04	0|0	Cs2g15020.1/Cs2g150	5.21	0	0	2	MASCOT	T	PLEX8
3.87E-04	0|0	Cs2g15020.1/Cs2g150	5.21	0	0	2	MASCOT	T	PLEX8
2.98E-02	0|0	Cs2g15020.1/Cs2g150	5.21	0	0	2	MASCOT	T	PLEX8
2.71E-01	0|0	Cs2g15020.1/Cs2g150	5.21	0	0	2	MASCOT	T	PLEX8
2.48E-02	0|0	Cs2g15020.1/Cs2g150	5.21	0	0	2	MASCOT	T	PLEX8
2.52E-04	0|0	Cs2g15020.1/Cs2g150	5.21	0	0	2	MASCOT	T	PLEX8
2.78E-04	0|0	Cs2g15020.1/Cs2g150	5.21	0	0	2	MASCOT	T	PLEX8
2.77E-01	0|0	Cs2g15020.1/Cs2g150	5.21	0	0	2	MASCOT	T	PLEX8
3.14E-01	0|0	Cs2g15020.1/Cs2g150	5.21	0	0	2	MASCOT	T	PLEX8
7.03E-04	0|0	Cs2g15020.1/Cs2g150	5.97	0	0	2	MASCOT	T	
4.11E-02	0|0	Cs2g15020.1/Cs2g150	5.97	0	0	2	MASCOT	T	
2.05E-03	0|0	Cs2g15020.1/Cs2g150	6.06	0	0	2	MASCOT	T	PLEX8
6.47E-05	0|0	Cs5g24360.1	6	0	0	2	MASCOT	T	
5.02E-04	0|0	Cs5g24360.1	6	0	0	2	MASCOT	T	
2.22E-02	0|0	Cs5g24360.1	5.88	0	0	2	MASCOT	T	PLEX8
1.44E-01	0|0	Cs5g24360.1	5.88	0	0	2	MASCOT	T	PLEX8
2.29E-02	0|0	Cs5g24360.1	5.88	0	0	2	MASCOT	T	PLEX8
3.13E-02	0|0	Cs5g24360.1	5.88	0	0	2	MASCOT	T	PLEX8
2.36E-01	0|0	Cs5g24360.1	5.88	0	0	2	MASCOT	T	
8.00E-03	0|0	Cs5g24360.1	8.63	0	0	2	MASCOT	T	
2.46E-02	0|0	Cs5g24360.1	8.63	0	0	2	MASCOT	T	PLEX8
2.74E-02	0|0	Cs5g24360.1	4.14	0	0	2	MASCOT	T	PLEX8
9.56E-02	0|0	Cs5g24360.1	4	0	0	2	MASCOT	T	
2.32E-03	0|0	Cs5g24360.1	4.37	0	0	2	MASCOT	T	
1.01E-03	0|0	Cs5g24360.1	4.37	0	0	2	MASCOT	T	
1.26E-02	0|0	Cs5g24360.1	4.37	0	0	2	MASCOT	T	
3.58E-02	0|0	Cs5g24360.1	4.37	0	0	2	MASCOT	T	
6.02E-05	0|0	Cs5g24360.1	4.37	0	0	2	MASCOT	T	
6.91E-04	0|0	Cs5g24360.1	4.37	0	0	2	MASCOT	T	

2.97E-05	0|0	Cs5g24360.1	5.83	0	15.9	0	2	MASCOT	T
1.14E-02	0|0	Cs5g24360.1	4.31	0	15.9	0	2	MASCOT	T
5.53E-02	0|0	Cs5g24360.1	4.31	0	15.9	0	2	MASCOT	T
5.70E-04	0|0	Cs5g24360.1	4.31	0		0	2	MASCOT	T
1.36E-01	0|0	Cs5g24360.1	5.96	0	15.9	0	2	MASCOT	T
8.58E-02	0|0	Cs5g24360.1	5.96	0		0	2	MASCOT	T PLEX8
3.37E-01	0|0	Cs5g24360.1	5.96	0		0	2	MASCOT	T PLEX8
1.39E-01	0|0	Cs5g24360.1	5.96	0		0	2	MASCOT	T PLEX8
5.81E-04	0|0	Cs5g24360.1	5.96	0		0	2	MASCOT	T
4.07E-01	0|0	Cs5g24360.1	5.66	0		0	2	MASCOT	T PLEX8
1.56E-01	0|0	Cs5g24360.1	5.66	0		0	2	MASCOT	T PLEX8
6.39E-04	0|0	Cs5g24360.1	4.53	0	15.9	0	2	MASCOT	T PLEX8
1.37E-03	0|0	Cs5g24360.1	4.53	0	15.9	0	2	MASCOT	T PLEX8
1.97E-02	0|0	Cs5g24360.1	4.53	0	15.9	0	2	MASCOT	T PLEX8
1.04E-02	0|0	Cs5g24360.1	4.53	0		0	2	MASCOT	T PLEX8
1.07E-03	0|0	Cs5g24360.1	4.53	0		0	2	MASCOT	T PLEX8
1.34E-01	0|0	Cs5g24360.1	4.37	0		0	2	MASCOT	T PLEX8
8.96E-02	0|0	Cs5g24360.1	4.37	0		0	2	MASCOT	T PLEX8
3.46E-02	0|0	Cs5g24360.1	6.75	0		0	2	MASCOT	T PLEX8
1.29E-01	0|0	Cs5g24360.1	6.75	0		0	2	MASCOT	T PLEX8
4.17E-02	0|0	Cs5g24360.1	6.75	0		0	2	MASCOT	T PLEX8
1.58E-03	0|0	Cs5g24360.1	6.75	0		0	2	MASCOT	T PLEX8
3.36E-02	0|0	Cs5g24360.1	8.76	0	15.9	0	2	MASCOT	T PLEX8
1.78E-01	0|0	Cs5g24360.1	8.76	0	15.9	0	2	MASCOT	T PLEX8
1.40E-01	0|0	Cs5g24360.1	8.76	0	15.9	0	2	MASCOT	T PLEX8
5.23E-02	0|0	Cs5g24360.1	8.76	0		0	2	MASCOT	T PLEX8
2.91E-02	0|0	Cs5g24360.1	8.76	0		0	2	MASCOT	T PLEX8
4.14E-02	0|0	Cs5g24360.1	8.76	0		0	2	MASCOT	T
5.18E-03	0|0	Cs5g24360.1	8.76	0		0	2	MASCOT	T PLEX8
2.16E-01	0|0	Cs5g24360.1	7.02	0		0	2	MASCOT	T PLEX8
8.32E-02	0|0	Cs5g24360.1	7.02	0		0	2	MASCOT	T PLEX8
1.71E-02	0|0	Cs5g24360.1	4.53	0		0	2	MASCOT	T
2.23E-01	0|0	Cs5g24360.1	5.72	0		0	2	MASCOT	T PLEX8
5.88E-02	0|0	Cs5g24360.1	5.72	0		0	2	MASCOT	T PLEX8
6.11E-02	0|0	Cs5g24360.1	5.72	0		0	2	MASCOT	T PLEX8
3.68E-02	0|0	Cs5g24360.1	5.72	0		0	2	MASCOT	T PLEX8
7.40E-02	0|0	Cs5g24360.1	5.81	0		0	2	MASCOT	T PLEX8
2.12E-01	0|0	Cs5g24360.1	5.81	0		0	2	MASCOT	T PLEX8
4.55E-02	0|0	Cs1g10270.1/Cs1g102	6	0		0	2	MASCOT	T PLEX8
1.03E-01	0|0	Cs1g10270.1/Cs1g102	4.03	0		0	2	MASCOT	T PLEX8
1.85E-01	0|0	Cs1g10270.1/Cs1g102	4.03	0		0	2	MASCOT	T PLEX8
4.53E-04	0|0	Cs1g10270.1/Cs1g102	4	0		0	2	MASCOT	T
6.23E-04	0|0	Cs1g10270.1/Cs1g102	4	0		0	2	MASCOT	T
1.71E-01	0|0	Cs1g10270.1/Cs1g102	6	0		0	2	MASCOT	T PLEX8
1.68E-01	0|0	Cs1g10270.1/Cs1g102	6	0		0	2	MASCOT	T PLEX8
3.11E-02	0|0	Cs1g10270.1/Cs1g102	8.59	0		0	2	MASCOT	T PLEX8
1.17E-01	0|0	Cs1g10270.1/Cs1g102	8.59	0		0	2	MASCOT	T PLEX8
6.92E-02	0|0	Cs1g10270.1/Cs1g102	8.59	0		0	2	MASCOT	T PLEX8
1.73E-01	0|0	Cs1g10270.1/Cs1g102	8.59	0		0	2	MASCOT	T PLEX8
4.51E-02	0|0	Cs1g10270.1/Cs1g102	8.59	0		0	2	MASCOT	T PLEX8
6.99E-02	0|0	Cs1g10270.1/Cs1g102	8.59	0		0	2	MASCOT	T PLEX8

7.25E-02	0|0	Cs1g10270.1/Cs1g102	8.59	0	0	2	MASCOT	T	PLEX8	
4.11E-02	0|0	Cs1g10270.1/Cs1g102	8.59	0	0	2	MASCOT	T	PLEX8	
9.46E-02	0|0	Cs1g10270.1/Cs1g102	8.59	0	0	2	MASCOT	T	PLEX8	
5.70E-02	0|0	Cs1g10270.1/Cs1g102	6.75	1	0	2	MASCOT	T	PLEX8	
1.76E-02	0|0	Cs1g10270.1/Cs1g102	5.84	0	0	2	MASCOT	T		
8.87E-02	0|0	Cs1g10270.1/Cs1g102	5.84	0	0	2	MASCOT	T		
2.47E-03	0|0	Cs1g10270.1/Cs1g102	5.84	0	0	2	MASCOT	T		
1.32E-02	0|0	Cs1g10270.1/Cs1g102	5.84	0	0	2	MASCOT	T		
4.60E-02	0|0	Cs1g10270.1/Cs1g102	5.32	0	0	2	MASCOT	T	PLEX8	
1.41E-02	0|0	Cs1g10270.1/Cs1g102	5.32	0	0	2	MASCOT	T	PLEX8	
7.06E-02	0|0	Cs1g10270.1/Cs1g102	5.32	0	0	2	MASCOT	T	PLEX8	
1.51E-01	0|0	Cs1g10270.1/Cs1g102	8.41	0	0	2	MASCOT	T	PLEX8	
1.86E-03	0|0	Cs1g10270.1/Cs1g102	8.47	0	0	2	MASCOT	T	PLEX8	
2.71E-05	0|0	Cs1g10270.1/Cs1g102	8.47	0	0	2	MASCOT	T	PLEX8	
2.13E-01	0|0	Cs1g10270.1/Cs1g102	8.47	0	0	2	MASCOT	T	PLEX8	
5.52E-04	0|0	Cs1g10270.1/Cs1g102	8.47	0	0	2	MASCOT	T	PLEX8	
5.51E-06	0|0	Cs1g10270.1/Cs1g102	4.37	0	0	2	MASCOT	T		
2.58E-04	0|0	Cs1g10270.1/Cs1g102	4.37	0	0	2	MASCOT	T		
1.97E-04	0|0	Cs1g10270.1/Cs1g102	4.37	0	0	2	MASCOT	T	PLEX8	
5.06E-05	0|0	Cs1g10270.1/Cs1g102	4.37	0	0	2	MASCOT	T	PLEX8	
3.49E-03	0|0	Cs1g10270.1/Cs1g102	3.92	0	0	2	MASCOT	T		
2.18E-02	0|0	Cs1g10270.1/Cs1g102	3.92	0	0	2	MASCOT	T		
7.62E-02	0|0	Cs1g10270.1/Cs1g102	3.92	0	0	2	MASCOT	T		
6.36E-02	0|0	Cs1g10270.1/Cs1g102	4.03	0	0	2	MASCOT	T	PLEX8	
6.05E-06	0|0	Cs1g10270.1/Cs1g102	4.03	0	0	2	MASCOT	T	PLEX8	
1.16E-03	0|0	Cs1g10270.1/Cs1g102	4.03	0	0	2	MASCOT	T	PLEX8	
8.00E-04	0|0	Cs1g10270.1/Cs1g102	4.37	0	0	2	MASCOT	T	PLEX8	
1.92E-03	0|0	Cs1g10270.1/Cs1g102	4.37	0	0	2	MASCOT	T		
6.25E-02	0|0	Cs1g10270.1/Cs1g102	4.37	0	0	2	MASCOT	T		
7.10E-02	0|0	Cs1g10270.1/Cs1g102	6	0	0	2	MASCOT	T		
3.83E-02	0|0	Cs1g10270.1/Cs1g102	6.75	0	0	2	MASCOT	T	PLEX8	
3.58E-02	0|0	Cs1g10270.1/Cs1g102	6.75	0	0	2	MASCOT	T	PLEX8	
1.69E-01	0|0	Cs1g10270.1/Cs1g102	6.75	0	0	2	MASCOT	T	PLEX8	
2.33E-02	0|0	Cs1g10270.1/Cs1g102	6.75	0	0	2	MASCOT	T	PLEX8	
1.34E-02	0|0	Cs1g10270.1/Cs1g102	9.41	0	0	2	MASCOT	T		
1.07E-01	0|0	Cs1g10270.1/Cs1g102	5.32	0	0	2	MASCOT	T	PLEX8	
3.00E-02	0|0	Cs1g10270.1/Cs1g102	5.32	0	0	2	MASCOT	T	PLEX8	
1.07E-02	0|0	Cs1g10270.1/Cs1g102	5.32	0	0	2	MASCOT	T	PLEX8	
1.40E-03	0|0	Cs1g10270.1/Cs1g102	5.32	0	0	2	MASCOT	T	PLEX8	
9.46E-02	0|0	Cs1g10270.1/Cs1g102	5.32	0	0	2	MASCOT	T	PLEX8	
5.09E-01	0|0	Cs1g10270.1/Cs1g102	5.32	0	0	2	MASCOT	T		
1.47E-01	0|0	Cs5g33470.1/Cs5g334	5.32	0	0	2	MASCOT	T		
2.77E-01	0|0	Cs5g33470.1/Cs5g334	5.32	0	0	2	MASCOT	T		
2.13E-02	0|0	Cs5g33470.1/Cs5g334	4.25	1	0	2	MASCOT	T	PLEX8	
4.37E-04	0|0	Cs5g33470.1/Cs5g334	4	0	0	2	MASCOT	T		
1.01E-04	0|0	Cs5g33470.1/Cs5g334	4	0	0	2	MASCOT	T		
6.08E-02	0|0	Cs5g33470.1/Cs5g334	6.74	0	0	2	MASCOT	T	PLEX8	
1.25E-01	0|0	Cs5g33470.1/Cs5g334	6.74	0	0	2	MASCOT	T		
2.29E-02	0|0	Cs5g33470.1	6.5	0	15.9	0	2	MASCOT	T	PLEX8
2.72E-02	0|0	Cs5g33470.1	6.5	0	15.9	0	2	MASCOT	T	PLEX8
1.97E-03	0|0	Cs5g33470.1	6.5	0	0	2	MASCOT	T	PLEX8	

8.36E-02	0|0	Cs5g33470.1	6.5	0	0	2	MASCOT	T	PLEX8	
5.93E-03	0|0	Cs5g33470.1	6.5	0	0	2	MASCOT	T	PLEX8	
8.61E-02	0|0	Cs5g33470.1/Cs5g334	6.5	0	0	2	MASCOT	T		
7.90E-02	0|0	Cs5g33470.1/Cs5g334	5.99	0	15.9	0	2	MASCOT	T	PLEX8
4.47E-02	0|0	Cs5g33470.1/Cs5g334	5.99	0	15.9	0	2	MASCOT	T	PLEX8
6.49E-02	0|0	Cs5g33470.1/Cs5g334	5.99	0	0	2	MASCOT	T	PLEX8	
3.89E-03	0|0	Cs5g33470.1/Cs5g334	5.99	0	0	2	MASCOT	T	PLEX8	
1.22E-03	0|0	Cs5g33470.1/Cs5g334	6.75	0	0	2	MASCOT	T		
1.17E-01	0|0	Cs5g33470.1/Cs5g334	5.22	0	0	2	MASCOT	T	PLEX8	
2.24E-01	0|0	Cs5g33470.1/Cs5g334	4.37	0	0	2	MASCOT	T	PLEX8	
2.89E-01	0|0	Cs5g33470.1/Cs5g334	4.37	0	0	2	MASCOT	T	PLEX8	
2.99E-01	0|0	Cs5g33470.1/Cs5g334	8.75	0	0	2	MASCOT	T	PLEX8	
2.38E-02	0|0	Cs5g33470.1/Cs5g334	6	0	0	2	MASCOT	T	PLEX8	
4.46E-02	0|0	Cs5g33470.1/Cs5g334	6	0	0	2	MASCOT	T	PLEX8	
7.56E-02	0|0	Cs5g33470.1	5.84	0	0	2	MASCOT	T	PLEX8	
1.42E-01	0|0	Cs5g33470.1	5.84	0	0	2	MASCOT	T	PLEX8	
3.39E-03	0|0	Cs5g33470.1/Cs5g334	9.47	0	0	2	MASCOT	T	PLEX8	
4.19E-04	0|0	Cs5g33470.1/Cs5g334	5.32	0	0	2	MASCOT	T	PLEX8	
4.51E-03	0|0	Cs5g33470.1/Cs5g334	5.32	0	0	2	MASCOT	T	PLEX8	
6.97E-03	0|0	Cs5g33470.1/Cs5g334	5.32	0	0	2	MASCOT	T	PLEX8	
8.24E-05	0|0	Cs5g33470.1	6.89	0	0	2	MASCOT	T		
5.29E-04	0|0	Cs4g06850.1/Cs4g068	5.21	0	0	2	MASCOT	T	PLEX8	
1.56E-03	0|0	Cs4g06850.1/Cs4g068	5.21	0	0	2	MASCOT	T	PLEX8	
7.32E-03	0|0	Cs4g06850.1/Cs4g068	5.21	0	0	2	MASCOT	T	PLEX8	
4.64E-01	0|0	Cs4g06850.1/Cs4g068	5.21	0	0	2	MASCOT	T	PLEX8	
2.14E-01	0|0	Cs5g33470.1/Cs5g334	5.84	0	0	2	MASCOT	T		
1.31E-02	0|0	Cs1g14480.1/Cs1g144	4.14	0	0	2	MASCOT	T	PLEX8	
2.56E-01	0|0	Cs1g14480.1/Cs1g144	4.54	0	0	2	MASCOT	T	PLEX8	
6.68E-03	0|0	Cs1g14480.1/Cs1g144	6.74	0	0	2	MASCOT	T	PLEX8	
1.32E-01	0|0	Cs1g14480.1/Cs1g144	6.74	0	0	2	MASCOT	T		
2.43E-01	0|0	Cs1g14480.1/Cs1g144	6.74	0	0	2	MASCOT	T	PLEX8	
8.26E-05	0|0	Cs1g14480.1/Cs1g144	4.37	0	15.9	0	2	MASCOT	T	PLEX8
4.42E-03	0|0	Cs1g14480.1/Cs1g144	4.37	0	15.9	0	2	MASCOT	T	PLEX8
2.50E-01	0|0	Cs1g14480.1/Cs1g144	8.75	0	0	2	MASCOT	T	PLEX8	
3.27E-03	0|0	Cs1g14480.1/Cs1g144	4.14	0	0	2	MASCOT	T	PLEX8	
1.01E-02	0|0	Cs1g14480.1/Cs1g144	4.41	1	0	2	MASCOT	T	PLEX8	
5.13E-05	0|0	Cs1g14480.1/Cs1g144	5.3	0	0	2	MASCOT	T	PLEX8	
2.63E-03	0|0	Cs1g14480.1/Cs1g144	5.3	0	0	2	MASCOT	T		
6.58E-03	0|0	Cs1g14480.1/Cs1g144	5.3	0	0	2	MASCOT	T		
1.73E-01	0|0	Cs1g14480.1/Cs1g144	5.3	0	0	2	MASCOT	T		
1.81E-03	0|0	Cs1g14480.1/Cs1g144	4.09	0	15.9	0	2	MASCOT	T	
2.78E-02	0|0	Cs1g14480.1/Cs1g144	4.03	0	0	2	MASCOT	T	PLEX8	
1.74E-02	0|0	Cs1g14480.1/Cs1g144	4.03	0	0	2	MASCOT	T		
1.25E-07	0|0	Cs1g14480.1/Cs1g144	6.79	0	0	2	MASCOT	T	PLEX8	
4.34E-05	0|0	Cs1g14480.1/Cs1g144	6.79	0	0	2	MASCOT	T	PLEX8	
3.55E-05	0|0	Cs1g14480.1/Cs1g144	6.79	0	0	2	MASCOT	T		
3.50E-03	0|0	Cs1g14480.1/Cs1g144	6.79	0	0	2	MASCOT	T		
3.85E-03	0|0	Cs1g14480.1/Cs1g144	4.54	0	0	2	MASCOT	T	PLEX8	
3.70E-01	0|0	Cs1g14480.1/Cs1g144	4.54	0	0	2	MASCOT	T		
9.06E-03	0|0	Cs1g14480.1/Cs1g144	4.54	0	0	2	MASCOT	T		
1.48E-01	0|0	Cs1g14480.1/Cs1g144	4.37	0	0	2	MASCOT	T	PLEX8	

2.34E-02	0|0	Cs1g14480.1/Cs1g144	4.37	0	0	2	MASCOT	T	PLEX8	
8.67E-02	0|0	Cs1g14480.1/Cs1g144	4.37	0	0	2	MASCOT	T	PLEX8	
2.81E-01	0|0	Cs1g14480.1/Cs1g144	8.75	0	0	2	MASCOT	T	PLEX8	
4.92E-04	0|0	Cs1g14480.1/Cs1g144	8.75	0	0	2	MASCOT	T	PLEX8	
2.26E-02	0|0	Cs1g14480.1/Cs1g144	8.06	0	0	2	MASCOT	T	PLEX8	
1.76E-01	0|0	Cs1g14480.1/Cs1g144	8.06	0	0	2	MASCOT	T	PLEX8	
9.45E-03	0|0	Cs1g14480.1/Cs1g144	8.06	0	0	2	MASCOT	T	PLEX8	
4.92E-03	0|0	Cs1g14480.1/Cs1g144	8.06	0	0	2	MASCOT	T	PLEX8	
2.64E-02	0|0	Cs1g14480.1/Cs1g144	5.66	0	15.9	0	2	MASCOT	T	PLEX8
1.19E-02	0|0	Cs1g14480.1/Cs1g144	8.72	0	0	2	MASCOT	T	PLEX8	
9.16E-02	0|0	orange1.1t01869.1/ora	8.76	0	15.9	0	2	MASCOT	T	PLEX8
6.50E-02	0|0	orange1.1t01869.1/ora	8.76	0	0	2	MASCOT	T	PLEX8	
2.21E-03	0|0	orange1.1t01869.1/ora	8.75	0	0	2	MASCOT	T	PLEX8	
7.29E-02	0|0	orange1.1t01869.1/ora	4.14	0	0	2	MASCOT	T		
8.08E-05	0|0	orange1.1t01869.1/ora	4.14	0	0	2	MASCOT	T		
1.91E-03	0|0	orange1.1t01869.1/ora	4.14	0	0	2	MASCOT	T		
9.33E-02	0|0	orange1.1t01869.1/ora	4.14	0	0	2	MASCOT	T		
1.28E-01	0|0	orange1.1t01869.1/ora	5.83	0	0	2	MASCOT	T	PLEX8	
1.54E-02	0|0	orange1.1t01869.1/ora	9.76	0	0	2	MASCOT	T	PLEX8	
1.19E-01	0|0	orange1.1t01869.1/ora	9.76	0	0	2	MASCOT	T		
4.61E-02	0|0	orange1.1t01869.1/ora	9.75	0	0	2	MASCOT	T	PLEX8	
3.07E-02	0|0	orange1.1t01869.1/ora	5.66	0	0	2	MASCOT	T		
3.21E-03	0|0	orange1.1t01869.1/ora	5.97	0	0	2	MASCOT	T	PLEX8	
3.07E-03	0|0	orange1.1t01869.1/ora	4.41	0	0	2	MASCOT	T	PLEX8	
7.44E-02	0|0	orange1.1t01869.1/ora	4.41	0	0	2	MASCOT	T		
1.77E-02	0|0	orange1.1t01869.1/ora	8.27	0	0	2	MASCOT	T	PLEX8	
5.09E-03	0|0	orange1.1t01869.1/ora	6	0	0	2	MASCOT	T	PLEX8	
1.26E-01	0|0	orange1.1t01869.1/ora	6	0	0	2	MASCOT	T		
1.70E-04	0|0	orange1.1t01869.1/ora	6	0	0	2	MASCOT	T		
2.20E-02	0|0	orange1.1t01869.1/ora	5.99	0	0	2	MASCOT	T	PLEX8	
1.24E-01	0|0	orange1.1t01869.1/ora	5.99	0	0	2	MASCOT	T	PLEX8	
1.44E-02	0|0	orange1.1t01869.1/ora	5.99	0	0	2	MASCOT	T	PLEX8	
7.08E-02	0|0	orange1.1t01869.1/ora	8.59	0	0	2	MASCOT	T	PLEX8	
5.26E-03	0|0	orange1.1t01869.1/ora	8.59	0	0	2	MASCOT	T	PLEX8	
1.50E-01	0|0	orange1.1t01869.1/ora	8.59	0	0	2	MASCOT	T		
7.55E-02	0|0	orange1.1t01869.1/ora	8.59	0	0	2	MASCOT	T	PLEX8	
1.88E-01	0|0	orange1.1t01869.1/ora	5.99	0	0	2	MASCOT	T	PLEX8	
6.95E-02	0|0	orange1.1t01869.1/ora	5.99	0	0	2	MASCOT	T	PLEX8	
1.08E-02	0|0	orange1.1t01869.1/ora	5.32	0	0	2	MASCOT	T	PLEX8	
3.51E-03	0|0	orange1.1t01869.1/ora	5.32	0	0	2	MASCOT	T	PLEX8	
1.56E-06	0|0	orange1.1t01869.1/ora	5.84	0	0	2	MASCOT	T		
3.15E-03	0|0	orange1.1t01869.1/ora	5.84	0	0	2	MASCOT	T		
6.33E-02	0|0	orange1.1t01869.1/ora	4.03	0	0	2	MASCOT	T		
1.06E-01	0|0	orange1.1t01869.1/ora	4.03	0	0	2	MASCOT	T	PLEX8	
6.91E-02	0|0	orange1.1t00334.1/ora	4.03	0	0	2	MASCOT	T		
3.74E-04	0|0	orange1.1t00334.1/ora	4.03	0	0	2	MASCOT	T		
3.80E-01	0|0	orange1.1t00334.1/ora	8.8	0	0	2	MASCOT	T	PLEX8	
6.37E-01	0|0	orange1.1t00334.1/ora	8.8	0	0	2	MASCOT	T	PLEX8	
6.01E-05	0|0	orange1.1t00334.1/ora	6.05	0	0	2	MASCOT	T	PLEX8	
1.12E-02	0|0	orange1.1t00334.1/ora	4.09	0	0	2	MASCOT	T	PLEX8	
1.58E-01	0|0	orange1.1t00334.1/ora	4.09	0	0	2	MASCOT	T	PLEX8	

9.14E-03	0|0	orange1.1t00334.1/ora	4.09	0	0	2	MASCOT	T	PLEX8
5.66E-03	0|0	orange1.1t00334.1/ora	4.09	0	0	2	MASCOT	T	PLEX8
5.63E-06	0|0	orange1.1t00334.1/ora	4.25	0	0	2	MASCOT	T	
8.43E-04	0|0	orange1.1t00334.1/ora	4.09	0	15.9	0	2	MASCOT	T
6.44E-02	0|0	orange1.1t00334.1/ora	6	0	0	2	MASCOT	T	
1.98E-02	0|0	orange1.1t00334.1	4.53	0	0	2	MASCOT	T	
2.43E-03	0|0	orange1.1t00334.1	4.53	0	0	2	MASCOT	T	
3.71E-03	0|0	orange1.1t00334.1/ora	3.62	0	0	2	MASCOT	T	
5.15E-03	0|0	orange1.1t00334.1/ora	4.37	0	0	2	MASCOT	T	
1.61E-03	0|0	orange1.1t00334.1	5.87	0	0	2	MASCOT	T	
5.85E-03	0|0	orange1.1t00334.1	5.87	0	0	2	MASCOT	T	
3.88E-06	0|0	orange1.1t00334.1	5.87	0	0	2	MASCOT	T	
9.79E-03	0|0	orange1.1t00334.1	5.21	0	0	2	MASCOT	T	PLEX8
5.65E-02	0|0	orange1.1t00334.1/ora	6.1	0	0	2	MASCOT	T	PLEX8
1.32E-02	0|0	orange1.1t00334.1/ora	5.32	0	0	2	MASCOT	T	PLEX8
9.55E-03	0|0	orange1.1t00334.1/ora	5.32	0	0	2	MASCOT	T	PLEX8
1.29E-01	0|0	orange1.1t00334.1/ora	8.76	0	0	2	MASCOT	T	PLEX8
1.04E-01	0|0	orange1.1t00334.1/ora	4.53	0	0	2	MASCOT	T	PLEX8
1.98E-01	0|0	orange1.1t00334.1/ora	4.53	0	0	2	MASCOT	T	PLEX8
3.53E-01	0|0	orange1.1t00334.1/ora	4.53	0	0	2	MASCOT	T	PLEX8
8.88E-02	0|0	orange1.1t00334.1/ora	4.53	0	0	2	MASCOT	T	PLEX8
2.85E-01	0|0	orange1.1t00334.1/ora	4.53	0	0	2	MASCOT	T	PLEX8
1.74E-03	0|0	orange1.1t00334.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
5.05E-04	0|0	orange1.1t00334.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
2.58E-01	0|0	orange1.1t00334.1	8.41	0	0	2	MASCOT	T	PLEX8
1.08E-01	0|0	orange1.1t02556.1	8.22	0	0	2	MASCOT	T	PLEX8
1.82E-01	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	PLEX8
7.05E-04	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	PLEX8
7.77E-03	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	PLEX8
2.34E-02	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	PLEX8
8.40E-05	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	PLEX8
2.67E-02	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	PLEX8
1.25E-04	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	PLEX8
4.23E-05	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	PLEX8
2.41E-03	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	
4.50E-03	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	PLEX8
4.05E-02	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	PLEX8
1.75E-02	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	PLEX8
3.77E-08	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	PLEX8
1.61E-05	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	PLEX8
1.33E-01	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	PLEX8
3.73E-03	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	PLEX8
9.45E-05	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	PLEX8
1.81E-05	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	PLEX8
3.73E-02	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	PLEX8
3.62E-02	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	PLEX8
1.11E-01	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	PLEX8
2.66E-02	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	PLEX8
9.80E-03	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	PLEX8
7.74E-02	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	PLEX8
7.67E-04	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	PLEX8

1.89E-04 0|0	orange1.1t02556.1	4.54	0	0	2 MASCOT	T	PLEX8
1.59E-02 0|0	orange1.1t02556.1	4.54	0	0	2 MASCOT	T	PLEX8
1.05E-04 0|0	orange1.1t02556.1	4.54	0	0	2 MASCOT	T	PLEX8
2.44E-03 0|0	orange1.1t02556.1	4.54	0	0	2 MASCOT	T	PLEX8
1.05E-03 0|0	orange1.1t02556.1	4.54	0	0	2 MASCOT	T	PLEX8
3.94E-08 0|0	orange1.1t02556.1	4.54	0	0	2 MASCOT	T	PLEX8
2.86E-04 0|0	orange1.1t02556.1	4.54	0	0	2 MASCOT	T	PLEX8
5.19E-06 0|0	orange1.1t02556.1	4.54	0	0	2 MASCOT	T	PLEX8
2.56E-08 0|0	orange1.1t02556.1	4.54	0	0	2 MASCOT	T	PLEX8
1.88E-04 0|0	orange1.1t02556.1	4.54	0	0	2 MASCOT	T	PLEX8
1.14E-03 0|0	orange1.1t02556.1	4.54	0	0	2 MASCOT	T	PLEX8
4.40E-02 0|0	orange1.1t02556.1	4.54	0	0	2 MASCOT	T	PLEX8
9.15E-02 0|0	orange1.1t02556.1	4.54	0	0	2 MASCOT	T	PLEX8
2.43E-02 0|0	orange1.1t02556.1	4.54	0	0	2 MASCOT	T	PLEX8
1.17E-01 0|0	orange1.1t02556.1	4.54	0	0	2 MASCOT	T	PLEX8
7.19E-04 0|0	orange1.1t02556.1	4.54	0	0	2 MASCOT	T	PLEX8
8.08E-02 0|0	orange1.1t02556.1	4.54	0	0	2 MASCOT	T	PLEX8
4.80E-04 0|0	orange1.1t02556.1	4.54	0	0	2 MASCOT	T	
1.55E-01 0|0	orange1.1t02556.1	4.54	0	0	2 MASCOT	T	
8.16E-02 0|0	orange1.1t02556.1	4.54	0	0	2 MASCOT	T	PLEX8
5.39E-02 0|0	orange1.1t02556.1	4.54	0	0	2 MASCOT	T	
3.03E-04 0|0	orange1.1t02556.1	4.54	0	0	2 MASCOT	T	PLEX8
3.14E-04 0|0	orange1.1t02556.1	4.54	0	0	2 MASCOT	T	PLEX8
4.80E-03 0|0	orange1.1t02556.1	4.54	0	0	2 MASCOT	T	PLEX8
8.92E-06 0|0	orange1.1t02556.1	4.54	0	0	2 MASCOT	T	PLEX8
7.12E-02 0|0	orange1.1t02556.1	4.54	0	0	2 MASCOT	T	
1.32E-01 0|0	orange1.1t02556.1	4.54	0	0	2 MASCOT	T	
4.82E-02 0|0	orange1.1t02556.1	4.54	0	0	2 MASCOT	T	PLEX8
3.53E-04 0|0	orange1.1t02556.1	4.54	0	0	2 MASCOT	T	PLEX8
8.76E-02 0|0	orange1.1t02556.1	4.54	0	0	2 MASCOT	T	PLEX8
3.00E-02 0|0	orange1.1t02556.1	4.54	0	0	2 MASCOT	T	PLEX8
1.57E-04 0|0	orange1.1t02556.1	4.54	0	0	2 MASCOT	T	PLEX8
1.30E-01 0|0	orange1.1t02556.1	4.54	0	0	2 MASCOT	T	
2.79E-07 0|0	orange1.1t02556.1	4.54	0	0	2 MASCOT	T	
9.07E-05 0|0	orange1.1t02556.1	4.54	0	0	2 MASCOT	T	PLEX8
9.11E-03 0|0	orange1.1t02556.1	4.54	0	0	2 MASCOT	T	
1.34E-05 0|0	orange1.1t02556.1	4.54	0	0	2 MASCOT	T	
1.19E-01 0|0	orange1.1t02556.1	4.54	0	0	2 MASCOT	T	PLEX8
1.70E-02 0|0	orange1.1t02556.1	4.54	0	0	2 MASCOT	T	PLEX8
5.15E-03 0|0	orange1.1t02556.1	4.54	0	0	2 MASCOT	T	PLEX8
5.42E-03 0|0	orange1.1t02556.1	4.54	0	0	2 MASCOT	T	PLEX8
2.26E-03 0|0	orange1.1t02556.1	4.54	0	0	2 MASCOT	T	PLEX8
1.91E-04 0|0	orange1.1t02556.1	4.54	0	0	2 MASCOT	T	PLEX8
5.12E-06 0|0	orange1.1t02556.1	4.54	0	0	2 MASCOT	T	PLEX8
3.58E-07 0|0	orange1.1t02556.1	4.54	0	0	2 MASCOT	T	PLEX8
6.96E-05 0|0	orange1.1t02556.1	4.54	0	0	2 MASCOT	T	PLEX8
1.34E-09 0|0	orange1.1t02556.1	4.54	0	0	2 MASCOT	T	PLEX8
1.93E-06 0|0	orange1.1t02556.1	4.54	0	0	2 MASCOT	T	PLEX8
1.12E-03 0|0	orange1.1t02556.1	4.54	0	0	2 MASCOT	T	PLEX8
5.55E-03 0|0	orange1.1t02556.1	4.54	0	0	2 MASCOT	T	PLEX8
1.30E-01 0|0	orange1.1t02556.1	4.54	0	0	2 MASCOT	T	PLEX8

9.97E-03	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	PLEX8
2.47E-02	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	PLEX8
3.05E-03	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	PLEX8
9.38E-03	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	PLEX8
9.87E-02	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	
1.72E-02	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	PLEX8
1.16E-03	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	PLEX8
6.70E-04	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	PLEX8
9.74E-02	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	
7.56E-05	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	PLEX8
6.49E-06	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	PLEX8
9.50E-09	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	PLEX8
3.05E-05	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	PLEX8
1.42E-01	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	PLEX8
6.49E-03	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	PLEX8
1.86E-02	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	PLEX8
2.73E-05	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	PLEX8
2.87E-03	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	PLEX8
1.31E-01	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	
1.06E-01	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	PLEX8
4.87E-02	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	
1.11E-01	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	PLEX8
2.44E-02	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	PLEX8
5.45E-02	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	
5.17E-02	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	PLEX8
7.47E-03	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	
2.28E-02	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	
2.29E-02	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	
5.69E-03	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	
6.21E-03	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	
1.38E-02	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	
1.41E-01	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	
4.29E-05	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	
1.39E-03	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	
7.47E-05	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	
5.90E-06	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	
3.60E-03	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	
5.17E-03	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	
9.83E-10	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	
1.25E-06	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	
3.42E-02	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	
2.18E-02	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	
1.58E-01	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	
4.67E-02	0|0	orange1.1t02556.1	4.54	0	0	2	MASCOT	T	
1.73E-01	0|0	orange1.1t02556.1	4.09	0	0	2	MASCOT	T	PLEX8
3.79E-01	0|0	orange1.1t02556.1	4.09	0	0	2	MASCOT	T	PLEX8
8.00E-02	0|0	orange1.1t02556.1	4.09	0	0	2	MASCOT	T	PLEX8
2.02E-01	0|0	orange1.1t02556.1	4.09	0	0	2	MASCOT	T	PLEX8
3.06E-02	0|0	orange1.1t02556.1	4.09	0	0	2	MASCOT	T	PLEX8
8.45E-02	0|0	orange1.1t02556.1	4.09	0	0	2	MASCOT	T	PLEX8
7.74E-02	0|0	orange1.1t02556.1	4.09	0	0	2	MASCOT	T	PLEX8

3.64E-01	0|0	orange1.1t02556.1	4.09	0	0	2 MASCOT	T	PLEX8
1.64E-01	0|0	orange1.1t02556.1	4.09	0	0	2 MASCOT	T	
6.04E-02	0|0	orange1.1t02556.1	4.09	0	0	2 MASCOT	T	
2.86E-03	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
1.61E-01	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
1.70E-01	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
1.25E-02	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
4.61E-03	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
6.66E-03	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
4.33E-04	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
4.01E-03	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
1.53E-03	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
9.59E-03	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
8.63E-03	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
7.88E-02	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
1.80E-02	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
3.80E-02	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
1.05E-03	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
1.60E-01	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
5.26E-03	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
6.26E-02	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
2.13E-02	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
3.41E-02	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
6.22E-02	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
1.13E-01	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
3.92E-02	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
4.19E-02	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
2.97E-01	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	
3.44E-01	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	
9.27E-02	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	
3.70E-02	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	
2.11E-02	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
8.38E-02	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
1.18E-02	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
1.22E-01	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
1.69E-02	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
9.20E-04	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
5.92E-02	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
3.03E-02	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
1.03E-01	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
5.79E-02	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
1.41E-03	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
6.62E-02	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
1.36E-01	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
1.26E-01	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
1.50E-03	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
4.18E-02	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
2.36E-03	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
1.28E-01	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
4.28E-02	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
6.46E-02	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8

1.21E-02	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
7.21E-04	0 0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	
4.73E-02	0 0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	
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1.28E-02	0 0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
2.87E-02	0 0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
6.44E-03	0 0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
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1.93E-02	0 0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
6.18E-03	0 0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
3.01E-01	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
9.22E-02	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
7.80E-02	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
2.86E-03	0 0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
6.74E-02	0 0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
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1.06E-01	0 0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
6.82E-02	0 0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
1.68E-01	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
1.84E-01	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
2.13E-01	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
9.40E-02	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
1.86E-01	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
1.53E-01	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	
2.53E-01	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
1.91E-01	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	
4.68E-02	0 0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	
2.56E-01	0 0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	
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4.05E-03	0 0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
1.20E-03	0 0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	
1.05E-01	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
6.21E-04	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	
2.27E-01	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
4.06E-04	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
1.74E-01	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
1.21E-03	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	
9.48E-03	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	
6.47E-03	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
8.23E-02	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
2.27E-01	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
6.78E-02	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
1.82E-01	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	
1.03E-03	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	
1.30E-02	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	
1.10E-01	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
2.77E-01	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
9.56E-04	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
1.24E-02	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
7.10E-04	0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8

1.25E-02 0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
1.20E-03 0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	
5.12E-02 0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
1.28E-01 0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
5.13E-02 0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
6.39E-02 0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
9.46E-02 0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
4.27E-02 0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	PLEX8
1.10E-01 0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	
1.10E-01 0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	
1.32E-01 0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	
3.03E-02 0|0	orange1.1t02556.1	8.59	0	0	2 MASCOT	T	
1.55E-03 0|0	orange1.1t02556.1	3.8	0	0	2 MASCOT	T	
7.80E-02 0|0	orange1.1t02556.1	3.8	0	0	2 MASCOT	T	
4.58E-02 0|0	orange1.1t02556.1	3.8	0	0	2 MASCOT	T	
4.18E-02 0|0	orange1.1t02556.1	3.8	0	0	2 MASCOT	T	
2.15E-02 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.56E-03 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.53E-04 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
8.70E-02 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
3.93E-02 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
6.83E-05 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.32E-03 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
7.45E-02 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.26E-03 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
5.43E-04 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
9.90E-02 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.23E-01 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.07E-02 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
5.66E-02 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
7.79E-04 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
3.62E-03 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
4.59E-04 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.33E-04 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.32E-03 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.18E-04 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
4.57E-03 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
4.94E-05 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.36E-03 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
8.61E-05 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.35E-03 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.57E-05 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.39E-03 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
8.25E-05 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.46E-05 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
7.43E-03 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
3.07E-02 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
3.51E-03 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.44E-03 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
6.19E-02 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.03E-03 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8

1.94E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
5.93E-06	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
4.63E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.61E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.33E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
3.31E-05	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
6.46E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
8.31E-06	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.19E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
9.65E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.10E-01	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
3.04E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
4.66E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
8.56E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.11E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
2.04E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.94E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.61E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
3.30E-04	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.99E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.39E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
2.26E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
8.95E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
7.49E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
4.20E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
4.13E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
7.58E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
8.89E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.83E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
3.09E-05	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
4.45E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
5.02E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
1.36E-01	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
9.54E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
6.77E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
1.68E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
6.46E-04	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
4.23E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
8.00E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.29E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
1.97E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
4.35E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
4.85E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
3.31E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
2.07E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
8.89E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
9.16E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
4.51E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.24E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
2.32E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
1.17E-01	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	

4.12E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
2.87E-01	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
2.26E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
4.60E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
2.16E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
1.14E-01	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
3.08E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
8.53E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
3.79E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
3.98E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
2.46E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
9.40E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
2.91E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
8.60E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
4.27E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
5.69E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
2.28E-01	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
8.63E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
3.94E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
5.44E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
8.83E-05	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
5.06E-04	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.10E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
8.75E-04	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
3.06E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
6.58E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.25E-05	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
3.09E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.10E-05	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
4.16E-01	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.46E-05	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
3.49E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.34E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
8.48E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.84E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
8.39E-05	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
5.73E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.87E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.22E-01	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.08E-01	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
6.11E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.13E-01	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.39E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.27E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.23E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
9.48E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
8.29E-04	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.36E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
5.10E-05	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.32E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
8.06E-05	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8

1.84E-02 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.64E-05 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.86E-02 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.86E-02 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
8.95E-05 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.39E-03 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
8.16E-04 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.87E-02 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
5.32E-04 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
3.89E-02 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
6.16E-02 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.91E-01 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.33E-03 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.08E-02 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.22E-01 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.95E-02 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
4.41E-04 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
9.13E-02 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
3.55E-02 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.69E-05 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
6.66E-02 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.67E-02 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
5.06E-01 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
2.64E-03 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
1.75E-05 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
5.62E-03 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
4.12E-03 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
2.61E-04 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
5.56E-03 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
3.44E-02 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
1.11E-01 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
1.03E-01 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
6.36E-02 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
1.36E-03 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
2.97E-02 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.82E-03 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.47E-01 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
6.46E-04 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
4.00E-01 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
3.84E-01 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
4.66E-01 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
6.53E-04 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
3.91E-02 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.46E-01 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
4.03E-02 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.76E-05 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.49E-02 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
9.69E-06 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.92E-02 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.06E-01 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
4.54E-03 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8

6.90E-02 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.58E-03 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.16E-02 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
1.14E-02 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.05E-01 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
9.48E-05 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
2.00E-02 0|0	orange1.1t02556.1	4.83	1	0	2 MASCOT	T	PLEX8
5.53E-03 0|0	orange1.1t02556.1	4.83	1	0	2 MASCOT	T	PLEX8
8.58E-03 0|0	orange1.1t02556.1	4.83	1	0	2 MASCOT	T	PLEX8
4.68E-03 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
9.38E-04 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.45E-04 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
5.00E-03 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.98E-03 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.29E-05 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
7.93E-07 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.08E-07 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.82E-03 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
3.04E-08 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
9.90E-04 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
3.65E-02 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.61E-02 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
3.38E-05 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.43E-05 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
5.66E-03 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
8.26E-06 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
5.26E-06 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.14E-05 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.07E-04 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.47E-03 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.77E-03 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.15E-04 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
6.97E-04 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
7.04E-04 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
5.94E-04 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
8.29E-05 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.65E-04 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
7.68E-05 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.89E-05 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
3.44E-06 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.76E-03 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
3.11E-03 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.01E-06 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.31E-07 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.98E-03 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
3.86E-03 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.33E-04 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
5.12E-04 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
4.45E-03 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.88E-02 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
9.21E-05 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8

2.96E-05	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T	PLEX8
2.67E-06	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T	PLEX8
1.27E-03	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T	PLEX8
2.05E-06	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T	PLEX8
1.12E-04	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T	PLEX8
1.27E-06	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T	PLEX8
2.58E-07	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T	PLEX8
4.73E-03	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T	PLEX8
2.55E-04	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T	PLEX8
6.29E-05	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T	PLEX8
9.39E-04	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T	PLEX8
1.65E-02	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T	PLEX8
3.28E-05	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T	PLEX8
2.41E-05	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T	PLEX8
2.06E-02	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T	PLEX8
4.69E-06	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T	PLEX8
1.64E-05	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T	PLEX8
1.48E-02	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T	PLEX8
1.75E-02	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T	PLEX8
3.12E-03	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T	PLEX8
1.51E-06	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T	PLEX8
1.72E-05	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T	PLEX8
4.63E-05	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T	PLEX8
1.08E-02	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T	PLEX8
3.91E-03	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T	PLEX8
1.36E-03	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T	PLEX8
1.17E-02	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T	PLEX8
2.47E-03	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T	PLEX8
3.86E-05	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T	PLEX8
3.70E-04	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T	PLEX8
2.84E-04	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T	PLEX8
7.58E-05	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T	PLEX8
2.47E-07	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T	PLEX8
3.26E-03	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T	PLEX8
1.74E-03	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T	PLEX8
6.69E-07	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T	PLEX8
2.55E-04	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T	PLEX8
7.03E-03	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T	PLEX8
1.45E-05	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T	PLEX8
3.12E-02	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T	PLEX8
2.66E-07	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T	PLEX8
2.31E-03	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T	PLEX8
3.50E-06	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T	PLEX8
2.19E-07	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T	PLEX8
3.30E-05	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T	PLEX8
3.09E-04	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T	PLEX8
1.46E-07	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T	PLEX8
3.51E-06	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T	PLEX8
1.43E-02	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T	PLEX8
5.82E-04	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T	PLEX8
4.55E-07	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T	PLEX8

2.62E-04 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
3.00E-03 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
3.01E-03 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.33E-05 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.19E-03 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
7.15E-05 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.97E-02 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
6.07E-06 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
8.94E-04 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
5.66E-03 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
6.63E-07 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.20E-04 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
3.72E-02 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
4.24E-02 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
1.46E-03 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
3.78E-04 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
2.08E-03 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
3.45E-03 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
8.44E-07 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
4.74E-05 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
2.65E-05 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
1.11E-05 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
1.01E-05 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
5.44E-08 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
8.45E-05 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
3.03E-08 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
1.25E-03 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
3.92E-07 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
7.27E-04 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
2.49E-03 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
5.38E-06 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
4.85E-08 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
2.44E-04 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
7.59E-03 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
4.36E-08 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
2.65E-07 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
1.03E-06 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
8.39E-03 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
2.43E-09 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
1.72E-05 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
2.09E-05 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
1.33E-09 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
1.56E-02 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
5.88E-07 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
4.99E-09 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
1.81E-07 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
2.44E-09 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
2.48E-11 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
2.27E-07 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
5.66E-10 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
1.43E-07 0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	

2.09E-10	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
1.62E-07	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
2.21E-10	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
1.44E-02	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
3.44E-07	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
2.18E-10	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
1.14E-07	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
8.87E-11	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
7.74E-07	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
1.27E-04	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
2.98E-07	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
6.20E-07	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
2.49E-11	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
2.33E-03	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
3.92E-08	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
4.62E-06	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
1.83E-08	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
9.92E-06	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
2.25E-10	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
1.76E-06	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
4.45E-07	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
3.65E-06	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
2.38E-03	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
1.31E-08	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
1.32E-03	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
4.44E-06	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
2.02E-08	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
2.49E-10	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
1.58E-04	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
5.87E-05	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
1.43E-03	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
3.49E-04	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
2.26E-03	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
1.43E-03	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
1.46E-03	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
7.18E-03	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
4.18E-04	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
2.35E-03	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
7.14E-07	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
1.62E-03	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
2.96E-04	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
2.73E-04	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
1.01E-04	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
5.21E-05	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
9.69E-07	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
1.67E-07	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
1.44E-05	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
2.14E-05	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
4.35E-07	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
4.15E-03	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
9.17E-07	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T

5.10E-08	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
1.08E-05	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
3.52E-03	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
4.50E-06	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
4.27E-09	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
4.17E-09	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
2.02E-08	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
1.13E-07	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
2.27E-11	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
1.54E-08	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
7.67E-11	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
1.08E-08	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
3.90E-09	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
8.99E-08	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
1.26E-07	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
4.87E-09	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
3.92E-09	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
2.49E-09	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
6.52E-07	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
1.21E-07	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
6.33E-08	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
1.48E-04	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
1.94E-07	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
4.06E-07	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
4.69E-10	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
5.25E-07	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
2.46E-06	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
8.90E-06	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
2.38E-07	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
4.55E-10	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
2.78E-06	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
2.52E-08	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
6.02E-07	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
5.63E-08	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
4.77E-07	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
1.49E-05	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
2.08E-07	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
7.46E-09	0 0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
8.55E-06	0 0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
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1.23E-06	0 0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
5.23E-08	0 0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
9.70E-08	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
4.69E-06	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
1.06E-07	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
1.07E-08	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
2.07E-07	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
2.16E-08	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
3.27E-08	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T
7.20E-06	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T

1.28E-07	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T
2.89E-08	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T
2.10E-07	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T
7.60E-06	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T
2.19E-06	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T
2.01E-06	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T
1.03E-06	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T
2.51E-08	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T
2.75E-06	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T
3.19E-09	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T
5.74E-07	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T
2.33E-07	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T
3.28E-04	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T
2.72E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T
1.10E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T
5.10E-09	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T
8.54E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T
7.24E-06	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T
8.77E-06	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T
4.26E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T
2.64E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T
7.57E-04	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T
2.17E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T
1.49E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T
1.14E-05	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T
1.84E-05	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T
5.49E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T
1.42E-04	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T
1.88E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T
1.62E-05	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T
3.51E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T
6.43E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T
2.06E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T
4.00E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T
6.61E-06	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T
1.09E-05	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T
1.07E-04	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T
4.25E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T
1.49E-04	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T
2.11E-10	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T
6.25E-07	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T
3.63E-05	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T
7.72E-08	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T
3.40E-05	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T
7.27E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T
3.12E-05	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T
9.97E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T
3.95E-06	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T
7.85E-04	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T
1.90E-06	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T
8.80E-08	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T

2.29E-05	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
8.92E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
3.07E-04	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.75E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
8.03E-06	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.23E-05	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
3.86E-05	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.18E-05	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
3.97E-06	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
9.42E-05	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.87E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.64E-04	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.80E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
3.24E-04	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.23E-08	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
4.20E-04	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
4.21E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.27E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
3.39E-04	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.66E-07	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.82E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.81E-06	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.49E-07	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.18E-05	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.08E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.50E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.86E-04	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.61E-04	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
9.29E-04	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
3.46E-04	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.80E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.34E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.53E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.27E-04	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
9.91E-04	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
3.09E-04	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
5.15E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
6.03E-04	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.64E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
8.11E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
4.23E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
5.08E-06	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.39E-04	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.79E-05	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.16E-07	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.32E-06	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.02E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.38E-04	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
3.93E-06	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.44E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.83E-06	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8

8.78E-05	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.76E-06	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.31E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
2.27E-09	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.77E-05	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.94E-07	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
2.03E-06	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.60E-07	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.39E-08	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.03E-05	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
7.42E-07	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
3.67E-07	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
5.56E-08	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
8.96E-08	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
3.25E-04	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.98E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
3.63E-06	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.76E-05	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
3.62E-05	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.34E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.62E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
6.54E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
6.54E-04	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.76E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
3.66E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
4.47E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
6.65E-05	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.96E-02	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.34E-04	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.05E-04	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
9.44E-04	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.03E-04	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
4.98E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
1.57E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
1.56E-04	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
6.58E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
6.85E-04	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
5.90E-03	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.17E-08	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.74E-04	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
1.46E-06	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
5.31E-08	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.35E-04	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
2.91E-09	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	PLEX8
6.62E-05	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
1.55E-05	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
6.10E-05	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
1.78E-04	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
1.47E-05	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
3.82E-06	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	
2.19E-04	0|0	orange1.1t02556.1	4.14	0	0	2 MASCOT	T	

5.64E-08	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T		
2.37E-03	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T	PLEX8	
1.92E-02	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T	PLEX8	
2.93E-04	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T	PLEX8	
3.49E-06	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T		
1.93E-03	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T		
1.00E-02	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T		
8.76E-03	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T		
2.32E-04	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T		
3.40E-03	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T		
1.98E-03	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T		
9.68E-05	0|0	orange1.1t02556.1	4.14	0	0	2	MASCOT	T		
7.76E-02	0|0	orange1.1t02556.1	9.8	0	0	2	MASCOT	T	PLEX8	
5.68E-02	0|0	orange1.1t02556.1	9.8	0	0	2	MASCOT	T	PLEX8	
3.11E-02	0|0	orange1.1t02556.1	9.8	0	0	2	MASCOT	T	PLEX8	
6.75E-02	0|0	orange1.1t02556.1	9.8	0	0	2	MASCOT	T	PLEX8	
5.60E-02	0|0	orange1.1t02556.1	9.8	0	0	2	MASCOT	T	PLEX8	
7.30E-02	0|0	orange1.1t02556.1	9.8	0	0	2	MASCOT	T	PLEX8	
1.68E-01	0|0	orange1.1t02556.1	6.05	0	0	2	MASCOT	T	PLEX8	
4.29E-03	0|0	orange1.1t02556.1	6.05	0	0	2	MASCOT	T	PLEX8	
1.98E-01	0|0	orange1.1t02556.1	6.05	0	0	2	MASCOT	T	PLEX8	
2.17E-02	0|0	orange1.1t02556.1	6.05	0	0	2	MASCOT	T	PLEX8	
1.73E-01	0|0	orange1.1t02556.1	6.05	0	0	2	MASCOT	T	PLEX8	
1.60E-01	0|0	orange1.1t02556.1	6.05	0	0	2	MASCOT	T	PLEX8	
1.70E-01	0|0	orange1.1t02556.1	6.05	0	0	2	MASCOT	T	PLEX8	
4.05E-03	0|0	orange1.1t02556.1	6.05	0	0	2	MASCOT	T	PLEX8	
2.02E-02	0|0	orange1.1t02556.1	6.05	0	0	2	MASCOT	T	PLEX8	
5.24E-02	0|0	orange1.1t02556.1	6.05	0	0	2	MASCOT	T		
5.05E-02	0|0	orange1.1t02556.1	6.05	0	0	2	MASCOT	T		
6.13E-02	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
8.44E-02	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
8.64E-02	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
9.31E-02	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
8.83E-02	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
1.84E-01	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
3.74E-01	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
8.75E-02	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
2.16E-01	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
1.06E-01	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
2.22E-01	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
6.32E-02	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
7.51E-02	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
5.37E-02	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
8.10E-02	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
5.25E-02	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
7.19E-02	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
9.02E-02	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
9.72E-02	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
2.86E-01	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
8.11E-02	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
8.96E-02	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8

3.67E-01	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
7.28E-02	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
1.10E-01	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
2.18E-01	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
1.72E-01	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	
1.38E-01	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	
9.15E-02	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
2.60E-01	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
8.89E-02	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
8.74E-02	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
6.80E-02	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
5.32E-02	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
5.87E-02	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
6.48E-02	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
9.10E-02	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
1.38E-01	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
8.89E-02	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
1.19E-01	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
4.81E-02	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
8.82E-02	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
9.83E-02	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
3.64E-01	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
1.02E-01	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
1.06E-01	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
3.71E-01	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
9.45E-02	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
1.75E-01	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
2.71E-01	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
3.11E-01	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
1.46E-01	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
1.50E-01	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
2.33E-01	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	
3.19E-01	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	
1.69E-01	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	
8.67E-02	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	
1.31E-01	0|0	orange1.1t02556.1	5.84	0	15.9	0	2	MASCOT	T	
1.43E-01	0|0	orange1.1t02556.1	5.84	0		0	2	MASCOT	T	PLEX8
1.12E-01	0|0	orange1.1t02556.1	5.84	0		0	2	MASCOT	T	PLEX8
1.23E-01	0|0	orange1.1t02556.1	5.84	0		0	2	MASCOT	T	PLEX8
6.61E-02	0|0	orange1.1t02556.1	5.84	0		0	2	MASCOT	T	PLEX8
1.06E-01	0|0	orange1.1t02556.1	5.84	0		0	2	MASCOT	T	PLEX8
3.38E-01	0|0	orange1.1t02556.1	5.84	0		0	2	MASCOT	T	PLEX8
1.66E-01	0|0	orange1.1t02556.1	5.84	0		0	2	MASCOT	T	PLEX8
2.08E-01	0|0	orange1.1t02556.1	5.84	0		0	2	MASCOT	T	PLEX8
1.28E-01	0|0	orange1.1t02556.1	5.84	0		0	2	MASCOT	T	PLEX8
1.40E-01	0|0	orange1.1t02556.1	5.84	0		0	2	MASCOT	T	PLEX8
2.37E-01	0|0	orange1.1t02556.1	5.84	0		0	2	MASCOT	T	PLEX8
1.50E-01	0|0	orange1.1t02556.1	5.84	0		0	2	MASCOT	T	PLEX8
2.48E-01	0|0	orange1.1t02556.1	5.84	0		0	2	MASCOT	T	PLEX8
2.19E-01	0|0	orange1.1t02556.1	5.84	0		0	2	MASCOT	T	PLEX8
1.19E-01	0|0	orange1.1t02556.1	5.84	0		0	2	MASCOT	T	PLEX8

1.04E-01	0|0	orange1.1t02556.1	5.84	0	0	2	MASCOT	T	PLEX8
8.58E-02	0|0	orange1.1t02556.1	5.84	0	0	2	MASCOT	T	PLEX8
1.14E-01	0|0	orange1.1t02556.1	5.84	0	0	2	MASCOT	T	
1.92E-01	0|0	orange1.1t02556.1	5.84	0	0	2	MASCOT	T	
2.63E-01	0|0	orange1.1t02556.1	5.84	0	0	2	MASCOT	T	
1.59E-01	0|0	orange1.1t02556.1	5.84	0	0	2	MASCOT	T	
1.30E-01	0|0	orange1.1t02556.1	5.84	0	0	2	MASCOT	T	
8.31E-02	0|0	orange1.1t02556.1	5.84	0	0	2	MASCOT	T	
5.17E-02	0|0	orange1.1t02556.1	5.84	1	0	2	MASCOT	T	PLEX8
8.40E-03	0|0	orange1.1t02556.1	5.84	1	0	2	MASCOT	T	PLEX8
1.64E-02	0|0	orange1.1t02556.1	5.84	1	0	2	MASCOT	T	PLEX8
1.94E-02	0|0	orange1.1t02556.1	5.84	1	0	2	MASCOT	T	PLEX8
2.01E-02	0|0	orange1.1t02556.1	5.84	1	0	2	MASCOT	T	PLEX8
6.75E-03	0|0	orange1.1t02556.1	5.84	1	0	2	MASCOT	T	PLEX8
1.11E-02	0|0	orange1.1t02556.1	5.84	1	0	2	MASCOT	T	PLEX8
2.81E-02	0|0	orange1.1t02556.1	5.84	1	0	2	MASCOT	T	PLEX8
9.82E-03	0|0	orange1.1t02556.1	5.84	1	0	2	MASCOT	T	PLEX8
5.78E-03	0|0	orange1.1t02556.1	5.84	1	0	2	MASCOT	T	PLEX8
6.81E-03	0|0	orange1.1t02556.1	5.84	1	0	2	MASCOT	T	PLEX8
1.37E-02	0|0	orange1.1t02556.1	5.84	1	0	2	MASCOT	T	PLEX8
2.07E-02	0|0	orange1.1t02556.1	5.84	1	0	2	MASCOT	T	PLEX8
7.23E-03	0|0	orange1.1t02556.1	5.84	1	0	2	MASCOT	T	PLEX8
4.93E-03	0|0	orange1.1t02556.1	5.84	1	0	2	MASCOT	T	PLEX8
7.35E-03	0|0	orange1.1t02556.1	5.84	1	0	2	MASCOT	T	PLEX8
1.15E-02	0|0	orange1.1t02556.1	5.84	1	0	2	MASCOT	T	PLEX8
6.65E-02	0|0	orange1.1t02556.1	5.84	1	0	2	MASCOT	T	PLEX8
3.82E-02	0|0	orange1.1t02556.1	5.84	1	0	2	MASCOT	T	PLEX8
7.62E-03	0|0	orange1.1t02556.1	5.84	1	0	2	MASCOT	T	PLEX8
9.98E-03	0|0	orange1.1t02556.1	5.84	1	0	2	MASCOT	T	PLEX8
4.34E-03	0|0	orange1.1t02556.1	5.84	1	0	2	MASCOT	T	PLEX8
8.39E-03	0|0	orange1.1t02556.1	5.84	1	0	2	MASCOT	T	PLEX8
1.52E-02	0|0	orange1.1t02556.1	5.84	1	0	2	MASCOT	T	PLEX8
5.52E-02	0|0	orange1.1t02556.1	5.84	1	0	2	MASCOT	T	
2.37E-02	0|0	orange1.1t02556.1	5.84	1	0	2	MASCOT	T	PLEX8
6.89E-03	0|0	orange1.1t02556.1	5.84	1	0	2	MASCOT	T	PLEX8
1.21E-02	0|0	orange1.1t02556.1	5.84	1	0	2	MASCOT	T	PLEX8
3.37E-02	0|0	orange1.1t02556.1	5.84	1	0	2	MASCOT	T	PLEX8
5.56E-02	0|0	orange1.1t02556.1	5.84	1	0	2	MASCOT	T	PLEX8
8.40E-04	0|0	orange1.1t02556.1	5.84	1	0	2	MASCOT	T	
5.00E-02	0|0	orange1.1t02556.1	5.84	1	0	2	MASCOT	T	PLEX8
2.58E-02	0|0	orange1.1t02556.1	5.84	1	0	2	MASCOT	T	PLEX8
1.28E-02	0|0	orange1.1t02556.1	5.84	1	0	2	MASCOT	T	PLEX8
2.11E-02	0|0	orange1.1t02556.1	5.84	1	0	2	MASCOT	T	PLEX8
7.30E-03	0|0	orange1.1t02556.1	5.84	1	0	2	MASCOT	T	PLEX8
7.44E-03	0|0	orange1.1t02556.1	5.84	1	0	2	MASCOT	T	PLEX8
5.45E-02	0|0	orange1.1t02556.1	5.84	1	0	2	MASCOT	T	PLEX8
2.64E-02	0|0	orange1.1t02556.1	5.84	1	0	2	MASCOT	T	PLEX8
1.26E-02	0|0	orange1.1t02556.1	5.84	1	0	2	MASCOT	T	PLEX8
3.06E-02	0|0	orange1.1t02556.1	5.84	1	0	2	MASCOT	T	PLEX8
1.45E-02	0|0	orange1.1t02556.1	5.84	1	0	2	MASCOT	T	PLEX8
1.94E-02	0|0	orange1.1t02556.1	5.84	1	0	2	MASCOT	T	PLEX8

5.07E-02	0|0	orange1.1t02556.1	5.84	1	0	2	MASCOT	T	PLEX8
2.39E-03	0|0	orange1.1t02556.1	5.84	1	0	2	MASCOT	T	
1.32E-02	0|0	orange1.1t02556.1	5.84	1	0	2	MASCOT	T	
7.66E-02	0|0	orange1.1t02556.1	5.84	1	0	2	MASCOT	T	
1.78E-02	0|0	orange1.1t02556.1	5.84	1	0	2	MASCOT	T	
6.15E-03	0|0	orange1.1t02556.1	5.84	1	0	2	MASCOT	T	
7.84E-03	0|0	orange1.1t02556.1	5.84	1	0	2	MASCOT	T	
1.97E-02	0|0	orange1.1t02556.1	5.84	1	0	2	MASCOT	T	
1.05E-02	0|0	orange1.1t02556.1	5.84	1	0	2	MASCOT	T	
4.32E-02	0|0	orange1.1t02556.1	5.84	1	0	2	MASCOT	T	
5.97E-02	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T PLEX8
1.06E-02	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T PLEX8
2.50E-02	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T PLEX8
3.61E-02	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T PLEX8
9.16E-03	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T PLEX8
3.24E-02	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T PLEX8
2.59E-02	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T PLEX8
9.12E-02	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T PLEX8
6.40E-02	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T PLEX8
7.63E-02	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T PLEX8
2.70E-02	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T PLEX8
1.31E-02	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T PLEX8
9.14E-02	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T PLEX8
2.04E-01	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T PLEX8
2.54E-02	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T PLEX8
9.71E-03	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T PLEX8
1.25E-01	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T PLEX8
1.86E-01	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T PLEX8
1.01E-02	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T PLEX8
7.23E-03	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T PLEX8
6.39E-02	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T
8.78E-03	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T
5.61E-03	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T
7.72E-04	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T
1.72E-02	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T
1.62E-02	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T
5.60E-03	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T
2.50E-07	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T
2.83E-06	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T
3.86E-02	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T
1.17E-06	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T
4.52E-02	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T
6.67E-04	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T
1.69E-04	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T
3.35E-06	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T
2.21E-04	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T
4.53E-03	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T
3.05E-02	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T
8.27E-02	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T
9.24E-03	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T
9.68E-03	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T

6.58E-05	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T	
1.14E-01	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T	
2.54E-03	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T	
8.96E-02	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T	
6.73E-02	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T	
6.74E-04	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T	
4.36E-03	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T	
1.39E-02	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T	
9.60E-03	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T	
3.62E-03	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T	
1.22E-02	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T	
3.20E-03	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T	
3.08E-02	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T	
8.62E-04	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T	
1.12E-02	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T	
6.69E-02	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T	
1.87E-01	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T	
2.39E-02	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T	
2.39E-01	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T	
1.96E-01	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T	
2.49E-01	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T	
6.74E-02	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T	
1.27E-02	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T	
1.42E-01	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T	
9.12E-02	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T	
2.33E-01	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T	
7.80E-02	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T	
4.12E-02	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T	
1.31E-03	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T	
1.51E-01	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T	
1.48E-03	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T	
2.04E-01	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T	
1.22E-02	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T	
1.51E-03	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T	
4.33E-05	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T	
8.71E-05	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T	
3.30E-03	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T	
3.68E-03	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T	
5.60E-02	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T	
1.06E-04	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T	
2.94E-02	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T	
1.10E-02	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T	
6.29E-02	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T	PLEX8
5.46E-02	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T	PLEX8
7.50E-02	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T	PLEX8
1.05E-02	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T	PLEX8
7.55E-04	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T	PLEX8
9.17E-02	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T	PLEX8
3.08E-02	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T	PLEX8
2.35E-02	0|0	orange1.1t02556.1	4.37	0	15.9	0	2	MASCOT	T	PLEX8
1.71E-01	0|0	orange1.1t02556.1	4.37	0		0	2	MASCOT	T	PLEX8

5.80E-03	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
7.60E-03	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
3.27E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
1.46E-01	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
2.77E-04	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
6.34E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
7.98E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
2.75E-04	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
3.44E-04	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
1.78E-01	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
5.43E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
4.22E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
9.57E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
1.00E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
4.90E-03	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
7.33E-03	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
2.65E-04	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
1.10E-04	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
3.15E-04	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
1.16E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	
1.10E-01	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	
1.26E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	
1.48E-03	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	
4.96E-03	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	
1.07E-03	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	
8.00E-03	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	
6.94E-03	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	
3.25E-03	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	
2.94E-06	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	
1.24E-05	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	
2.63E-04	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	
2.18E-05	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	
2.58E-04	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	
3.99E-04	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	
2.44E-04	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	
7.40E-04	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	
6.58E-04	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	
2.16E-03	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	
4.28E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	
2.04E-04	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	
8.13E-04	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	
3.61E-03	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	
3.22E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	
2.64E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	
6.69E-03	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	
3.61E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	
1.18E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	
7.61E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	
6.81E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	
6.94E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	
1.99E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	

1.29E-01 0|0	orange1.1t02556.1	4.37	0	0	2 MASCOT	T
4.07E-04 0|0	orange1.1t02556.1	4.37	0	0	2 MASCOT	T
1.66E-04 0|0	orange1.1t02556.1	4.37	0	0	2 MASCOT	T
7.78E-03 0|0	orange1.1t02556.1	4.37	0	0	2 MASCOT	T
3.60E-02 0|0	orange1.1t02556.1	4.37	0	0	2 MASCOT	T
4.22E-04 0|0	orange1.1t02556.1	4.37	0	0	2 MASCOT	T PLEX8
7.41E-03 0|0	orange1.1t02556.1	4.37	0	0	2 MASCOT	T PLEX8
2.51E-02 0|0	orange1.1t02556.1	4.37	0	0	2 MASCOT	T PLEX8
7.82E-02 0|0	orange1.1t02556.1	4.37	0	0	2 MASCOT	T PLEX8
1.71E-03 0|0	orange1.1t02556.1	4.37	0	0	2 MASCOT	T PLEX8
3.13E-02 0|0	orange1.1t02556.1	4.37	0	0	2 MASCOT	T PLEX8
2.73E-02 0|0	orange1.1t02556.1	4.37	0	0	2 MASCOT	T PLEX8
6.58E-02 0|0	orange1.1t02556.1	4.37	0	0	2 MASCOT	T PLEX8
7.72E-02 0|0	orange1.1t02556.1	4.37	0	0	2 MASCOT	T PLEX8
2.18E-02 0|0	orange1.1t02556.1	4.37	0	0	2 MASCOT	T PLEX8
9.71E-03 0|0	orange1.1t02556.1	4.37	0	0	2 MASCOT	T PLEX8
7.21E-02 0|0	orange1.1t02556.1	4.37	0	0	2 MASCOT	T PLEX8
3.53E-02 0|0	orange1.1t02556.1	4.37	0	0	2 MASCOT	T
5.31E-04 0|0	orange1.1t02556.1	4.37	0	0	2 MASCOT	T
1.34E-02 0|0	orange1.1t02556.1	4.37	0	0	2 MASCOT	T PLEX8
2.21E-02 0|0	orange1.1t02556.1	4.37	0	0	2 MASCOT	T PLEX8
1.99E-02 0|0	orange1.1t02556.1	4.37	0	0	2 MASCOT	T PLEX8
2.24E-02 0|0	orange1.1t02556.1	4.37	0	0	2 MASCOT	T PLEX8
1.28E-03 0|0	orange1.1t02556.1	4.37	0	0	2 MASCOT	T PLEX8
1.34E-03 0|0	orange1.1t02556.1	4.37	0	0	2 MASCOT	T PLEX8
1.86E-03 0|0	orange1.1t02556.1	4.37	0	0	2 MASCOT	T PLEX8
2.25E-02 0|0	orange1.1t02556.1	4.37	0	0	2 MASCOT	T PLEX8
3.86E-03 0|0	orange1.1t02556.1	4.37	0	0	2 MASCOT	T PLEX8
2.13E-01 0|0	orange1.1t02556.1	4.37	0	0	2 MASCOT	T PLEX8
6.76E-02 0|0	orange1.1t02556.1	4.37	0	0	2 MASCOT	T PLEX8
3.35E-02 0|0	orange1.1t02556.1	4.37	0	0	2 MASCOT	T PLEX8
1.32E-03 0|0	orange1.1t02556.1	4.37	0	0	2 MASCOT	T PLEX8
5.20E-02 0|0	orange1.1t02556.1	4.37	0	0	2 MASCOT	T PLEX8
7.60E-03 0|0	orange1.1t02556.1	4.37	0	0	2 MASCOT	T PLEX8
1.79E-01 0|0	orange1.1t02556.1	4.37	0	0	2 MASCOT	T PLEX8
3.30E-01 0|0	orange1.1t02556.1	4.37	0	0	2 MASCOT	T PLEX8
8.84E-02 0|0	orange1.1t02556.1	4.37	0	0	2 MASCOT	T PLEX8
5.56E-02 0|0	orange1.1t02556.1	4.37	0	0	2 MASCOT	T PLEX8
3.79E-02 0|0	orange1.1t02556.1	4.37	0	0	2 MASCOT	T PLEX8
1.71E-01 0|0	orange1.1t02556.1	4.37	0	0	2 MASCOT	T PLEX8
1.30E-01 0|0	orange1.1t02556.1	4.37	0	0	2 MASCOT	T PLEX8
1.21E-02 0|0	orange1.1t02556.1	4.37	0	0	2 MASCOT	T PLEX8
6.22E-02 0|0	orange1.1t02556.1	4.37	0	0	2 MASCOT	T PLEX8
8.29E-03 0|0	orange1.1t02556.1	4.37	0	0	2 MASCOT	T PLEX8
8.81E-02 0|0	orange1.1t02556.1	4.37	0	0	2 MASCOT	T PLEX8
3.95E-02 0|0	orange1.1t02556.1	4.37	0	0	2 MASCOT	T PLEX8
2.35E-03 0|0	orange1.1t02556.1	4.37	0	0	2 MASCOT	T PLEX8
3.22E-02 0|0	orange1.1t02556.1	4.37	0	0	2 MASCOT	T PLEX8
5.09E-03 0|0	orange1.1t02556.1	4.37	0	0	2 MASCOT	T PLEX8
5.95E-02 0|0	orange1.1t02556.1	4.37	0	0	2 MASCOT	T PLEX8
5.48E-02 0|0	orange1.1t02556.1	4.37	0	0	2 MASCOT	T PLEX8

5.79E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
7.11E-03	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
5.83E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
5.87E-03	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
2.11E-01	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
5.43E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
2.09E-01	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
1.49E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
1.94E-01	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
1.27E-03	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
5.86E-03	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
1.07E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
4.98E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	
3.30E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
9.49E-03	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
2.30E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
6.83E-03	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
1.75E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
4.19E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
2.30E-03	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
4.11E-03	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
2.32E-01	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
2.35E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
1.45E-01	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
2.45E-03	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
3.47E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
1.00E-01	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
1.69E-01	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
3.61E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
1.17E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
3.36E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
2.48E-03	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
8.80E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
6.81E-03	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
2.05E-01	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
1.83E-01	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
5.25E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	
2.19E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
1.60E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
4.74E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
1.12E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
1.57E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
1.46E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
2.40E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
6.60E-03	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
1.56E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
9.51E-03	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
2.22E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
3.80E-03	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
3.08E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8
2.41E-03	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8

2.26E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.44E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8	
2.18E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8	
9.28E-03	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.45E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8	
4.61E-03	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8	
3.23E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8	
2.06E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8	
2.06E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8	
4.41E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8	
6.85E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.04E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.40E-01	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.67E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.30E-01	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8	
3.49E-01	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8	
5.12E-03	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.36E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8	
2.64E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T	PLEX8	
4.40E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T		
4.31E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T		
1.73E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T		
8.72E-03	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T		
1.26E-03	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T		
4.87E-03	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T		
1.15E-03	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T		
3.16E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T		
9.86E-02	0|0	orange1.1t02556.1	4.37	0	0	2	MASCOT	T		
3.04E-02	0|0	orange1.1t02556.1	4.21	0	15.9	0	2	MASCOT	T	
3.65E-02	0|0	orange1.1t02556.1	4.21	0	15.9	0	2	MASCOT	T	
3.33E-03	0|0	orange1.1t02556.1	4.21	0	15.9	0	2	MASCOT	T	
7.30E-04	0|0	orange1.1t02556.1	4.21	0	15.9	0	2	MASCOT	T	
3.20E-02	0|0	orange1.1t02556.1	4.21	0	15.9	0	2	MASCOT	T	PLEX8
2.87E-02	0|0	orange1.1t02556.1	4.21	0	15.9	0	2	MASCOT	T	PLEX8
2.14E-02	0|0	orange1.1t02556.1	4.21	0	15.9	0	2	MASCOT	T	PLEX8
3.08E-02	0|0	orange1.1t02556.1	4.21	0	15.9	0	2	MASCOT	T	PLEX8
1.70E-02	0|0	orange1.1t02556.1	4.21	0	15.9	0	2	MASCOT	T	
5.54E-04	0|0	orange1.1t02556.1	4.21	0	15.9	0	2	MASCOT	T	
4.06E-02	0|0	orange1.1t02556.1	4.21	0	15.9	0	2	MASCOT	T	
5.22E-03	0|0	orange1.1t02556.1	4.21	0	0	2	MASCOT	T	PLEX8	
5.89E-03	0|0	orange1.1t02556.1	4.21	0	0	2	MASCOT	T	PLEX8	
5.27E-03	0|0	orange1.1t02556.1	4.21	0	0	2	MASCOT	T	PLEX8	
5.39E-03	0|0	orange1.1t02556.1	4.21	0	0	2	MASCOT	T	PLEX8	
6.75E-03	0|0	orange1.1t02556.1	4.21	0	0	2	MASCOT	T	PLEX8	
1.77E-02	0|0	orange1.1t02556.1	4.21	0	0	2	MASCOT	T	PLEX8	
9.76E-03	0|0	orange1.1t02556.1	4.21	0	0	2	MASCOT	T	PLEX8	
3.72E-02	0|0	orange1.1t02556.1	4.21	0	0	2	MASCOT	T	PLEX8	
2.23E-02	0|0	orange1.1t02556.1	4.21	0	0	2	MASCOT	T	PLEX8	
4.73E-02	0|0	orange1.1t02556.1	4.21	0	0	2	MASCOT	T	PLEX8	
7.79E-02	0|0	orange1.1t02556.1	4.21	0	0	2	MASCOT	T	PLEX8	
3.37E-02	0|0	orange1.1t02556.1	4.21	0	0	2	MASCOT	T	PLEX8	

3.52E-02	0|0	orange1.1t02556.1	4.21	0	0	2	MASCOT	T	PLEX8	
8.80E-02	0|0	orange1.1t02556.1	4.21	0	0	2	MASCOT	T		
1.84E-02	0|0	orange1.1t02556.1	4.21	0	0	2	MASCOT	T		
5.52E-03	0|0	orange1.1t02556.1	4.21	0	0	2	MASCOT	T		
3.96E-03	0|0	orange1.1t02556.1	4.21	0	0	2	MASCOT	T		
4.31E-02	0|0	orange1.1t02556.1	4.21	0	0	2	MASCOT	T		
7.37E-04	0|0	orange1.1t02556.1	4.21	0	0	2	MASCOT	T		
4.53E-03	0|0	orange1.1t02556.1	4.21	0	0	2	MASCOT	T		
7.48E-04	0|0	orange1.1t02556.1	4.21	0	0	2	MASCOT	T		
5.64E-03	0|0	orange1.1t02556.1	4.21	0	0	2	MASCOT	T	PLEX8	
5.24E-02	0|0	orange1.1t02556.1	4.21	0	0	2	MASCOT	T		
3.46E-02	0|0	orange1.1t02556.1	4.21	0	0	2	MASCOT	T		
1.13E-02	0|0	orange1.1t02556.1	4.21	0	0	2	MASCOT	T		
4.17E-03	0|0	orange1.1t02556.1	4.21	0	0	2	MASCOT	T		
5.95E-02	0|0	orange1.1t02556.1	4.21	0	0	2	MASCOT	T		
3.45E-03	0|0	orange1.1t02556.1	5.96	1	15.9	0	2	MASCOT	T	PLEX8
9.73E-03	0|0	orange1.1t02556.1	5.96	1	15.9	0	2	MASCOT	T	PLEX8
9.67E-02	0|0	orange1.1t02556.1	5.96	1	15.9	0	2	MASCOT	T	PLEX8
1.02E-02	0|0	orange1.1t02556.1	5.96	1	15.9	0	2	MASCOT	T	
1.40E-02	0|0	orange1.1t02556.1	5.96	1	15.9	0	2	MASCOT	T	PLEX8
4.55E-02	0|0	orange1.1t02556.1	5.96	1	15.9	0	2	MASCOT	T	
3.11E-03	0|0	orange1.1t02556.1	5.96	1	15.9	0	2	MASCOT	T	PLEX8
2.15E-02	0|0	orange1.1t02556.1	5.96	1	15.9	0	2	MASCOT	T	
5.34E-03	0|0	orange1.1t02556.1	5.96	1	15.9	0	2	MASCOT	T	PLEX8
1.33E-02	0|0	orange1.1t02556.1	5.96	1	15.9	0	2	MASCOT	T	PLEX8
1.02E-01	0|0	orange1.1t02556.1	5.96	1	15.9	0	2	MASCOT	T	
7.72E-02	0|0	orange1.1t02556.1	5.96	1	15.9	0	2	MASCOT	T	PLEX8
5.12E-02	0|0	orange1.1t02556.1	5.96	1	15.9	0	2	MASCOT	T	
8.17E-03	0|0	orange1.1t02556.1	5.96	1	15.9	0	2	MASCOT	T	PLEX8
6.00E-03	0|0	orange1.1t02556.1	5.96	1	15.9	0	2	MASCOT	T	
8.65E-02	0|0	orange1.1t02556.1	5.96	1	15.9	0	2	MASCOT	T	PLEX8
2.25E-03	0|0	orange1.1t02556.1	5.96	1	15.9	0	2	MASCOT	T	PLEX8
2.63E-02	0|0	orange1.1t02556.1	5.96	1	15.9	0	2	MASCOT	T	
1.74E-02	0|0	orange1.1t02556.1	5.96	1	15.9	0	2	MASCOT	T	PLEX8
6.03E-04	0|0	orange1.1t02556.1	5.96	1	15.9	0	2	MASCOT	T	PLEX8
5.53E-02	0|0	orange1.1t02556.1	5.96	1	15.9	0	2	MASCOT	T	
1.20E-02	0|0	orange1.1t02556.1	5.96	1	15.9	0	2	MASCOT	T	
7.30E-02	0|0	orange1.1t02556.1	5.96	1	15.9	0	2	MASCOT	T	
9.06E-02	0|0	orange1.1t02556.1	5.96	1	15.9	0	2	MASCOT	T	
7.02E-02	0|0	orange1.1t02556.1	5.96	1	15.9	0	2	MASCOT	T	
1.89E-02	0|0	orange1.1t02556.1	5.96	1	15.9	0	2	MASCOT	T	PLEX8
4.46E-03	0|0	orange1.1t02556.1	5.96	1	15.9	0	2	MASCOT	T	
2.81E-05	0|0	orange1.1t02556.1	5.96	1	15.9	0	2	MASCOT	T	
6.06E-02	0|0	orange1.1t02556.1	5.96	1	15.9	0	2	MASCOT	T	
4.72E-02	0|0	orange1.1t02556.1	5.96	1	15.9	0	2	MASCOT	T	
1.10E-02	0|0	orange1.1t02556.1	5.96	1	15.9	0	2	MASCOT	T	
1.54E-02	0|0	orange1.1t02556.1	5.96	1	15.9	0	2	MASCOT	T	
1.69E-05	0|0	orange1.1t02556.1	5.96	1	15.9	0	2	MASCOT	T	
7.34E-04	0|0	orange1.1t02556.1	5.96	1	0	2	MASCOT	T	PLEX8	
7.60E-02	0|0	orange1.1t02556.1	5.96	1	0	2	MASCOT	T		
1.42E-02	0|0	orange1.1t02556.1	5.96	1	0	2	MASCOT	T		

1.48E-02	0|0	orange1.1t02556.1	5.96	1	0	2	MASCOT	T	
3.62E-04	0|0	orange1.1t02556.1	5.96	1	0	2	MASCOT	T	
8.53E-02	0|0	orange1.1t02556.1	5.96	1	0	2	MASCOT	T	
9.67E-03	0|0	orange1.1t02556.1	5.96	1	0	2	MASCOT	T	
1.03E-04	0|0	orange1.1t02556.1	4.21	0	15.9	0	2	MASCOT	T PLEX8
6.06E-03	0|0	orange1.1t02556.1	4.21	0	15.9	0	2	MASCOT	T PLEX8
9.99E-03	0|0	orange1.1t02556.1	4.21	0	15.9	0	2	MASCOT	T
1.40E-03	0|0	orange1.1t02556.1	4.21	0	15.9	0	2	MASCOT	T
4.79E-04	0|0	orange1.1t02556.1	4.21	0	15.9	0	2	MASCOT	T
8.55E-03	0|0	orange1.1t02556.1	4.21	0	15.9	0	2	MASCOT	T
5.71E-05	0|0	orange1.1t02556.1	4.21	0	15.9	0	2	MASCOT	T PLEX8
8.57E-03	0|0	orange1.1t02556.1	4.21	0	15.9	0	2	MASCOT	T
1.23E-02	0|0	orange1.1t02556.1	4.21	0	15.9	0	2	MASCOT	T PLEX8
4.18E-03	0|0	orange1.1t02556.1	4.21	0	15.9	0	2	MASCOT	T
1.72E-05	0|0	orange1.1t02556.1	4.21	0	15.9	0	2	MASCOT	T
2.42E-01	0|0	orange1.1t02556.1	4.21	0	15.9	0	2	MASCOT	T
2.91E-03	0|0	orange1.1t02556.1	4.21	0	0	2	MASCOT	T PLEX8	
9.41E-04	0|0	orange1.1t02556.1	4.21	0	0	2	MASCOT	T PLEX8	
1.26E-02	0|0	orange1.1t02556.1	4.21	0	0	2	MASCOT	T	
1.68E-03	0|0	orange1.1t02556.1	4.21	0	0	2	MASCOT	T	
3.16E-02	0|0	orange1.1t02556.1	4.21	0	0	2	MASCOT	T PLEX8	
8.04E-04	0|0	orange1.1t02556.1	4.21	0	0	2	MASCOT	T	
2.15E-02	0|0	orange1.1t02556.1	4.21	0	0	2	MASCOT	T	
1.98E-01	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T PLEX8	
9.52E-02	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T PLEX8	
3.46E-02	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T PLEX8	
4.95E-04	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T PLEX8	
5.77E-03	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T PLEX8	
6.20E-02	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T PLEX8	
5.19E-03	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T PLEX8	
1.06E-02	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T PLEX8	
1.47E-02	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T PLEX8	
3.53E-02	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T PLEX8	
2.82E-03	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T PLEX8	
9.89E-02	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T PLEX8	
2.79E-01	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T PLEX8	
3.94E-01	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T PLEX8	
4.10E-02	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T PLEX8	
1.25E-02	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T PLEX8	
8.66E-02	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T PLEX8	
1.54E-01	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T PLEX8	
3.22E-02	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T PLEX8	
2.26E-02	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T PLEX8	
6.83E-03	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T PLEX8	
5.81E-01	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T PLEX8	
6.73E-02	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T PLEX8	
1.94E-02	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T PLEX8	
1.83E-03	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T PLEX8	
1.03E-03	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T PLEX8	
1.09E-03	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T PLEX8	
5.54E-01	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	

7.57E-03	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
3.72E-02	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
1.96E-02	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
3.97E-02	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
1.32E-02	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
1.70E-01	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
5.19E-01	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
1.34E-01	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
4.69E-01	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
5.85E-01	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
8.79E-02	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
4.43E-04	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
1.67E-02	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
5.16E-04	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
3.78E-03	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
3.95E-04	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
6.84E-03	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
1.58E-01	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
4.04E-02	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
1.43E-01	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
5.29E-03	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
9.20E-03	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
1.23E-02	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
1.53E-02	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
9.53E-03	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
9.18E-02	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
9.16E-02	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
1.57E-03	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
5.04E-01	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
3.72E-02	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
1.28E-01	0|0	Cs2g13410.1	6.05	0	0	2	MASCOT	T	PLEX8
2.08E-01	0|0	Cs2g13410.1	6.05	0	0	2	MASCOT	T	PLEX8
2.73E-01	0|0	Cs2g13410.1	6.05	0	0	2	MASCOT	T	PLEX8
1.13E-01	0|0	Cs2g13410.1	6.05	0	0	2	MASCOT	T	PLEX8
8.20E-02	0|0	Cs2g13410.1	6.05	0	0	2	MASCOT	T	PLEX8
1.09E-01	0|0	Cs2g13410.1	6.05	0	0	2	MASCOT	T	PLEX8
3.40E-01	0|0	Cs2g13410.1	6.05	0	0	2	MASCOT	T	PLEX8
2.87E-01	0|0	Cs2g13410.1	6.05	0	0	2	MASCOT	T	PLEX8
3.87E-01	0|0	Cs2g13410.1	6.05	0	0	2	MASCOT	T	PLEX8
4.90E-01	0|0	Cs2g13410.1	6.05	0	0	2	MASCOT	T	PLEX8
2.82E-01	0|0	Cs2g13410.1	6.05	0	0	2	MASCOT	T	PLEX8
8.31E-02	0|0	Cs2g13410.1	6.1	0	0	2	MASCOT	T	PLEX8
4.39E-02	0|0	Cs2g13410.1	6.1	0	0	2	MASCOT	T	PLEX8
4.00E-04	0|0	Cs2g13410.1	4.37	0	0	2	MASCOT	T	PLEX8
4.83E-02	0|0	Cs2g13410.1	9.41	0	0	2	MASCOT	T	PLEX8
4.02E-01	0|0	Cs2g13410.1	9.41	0	0	2	MASCOT	T	PLEX8
6.45E-02	0|0	Cs2g13410.1	9.41	0	0	2	MASCOT	T	PLEX8
1.36E-01	0|0	Cs2g13410.1	9.41	0	0	2	MASCOT	T	PLEX8
5.83E-02	0|0	Cs2g13410.1	9.41	0	0	2	MASCOT	T	PLEX8
6.80E-02	0|0	Cs2g13410.1	9.41	0	0	2	MASCOT	T	PLEX8
1.27E-02	0|0	Cs2g13410.1	9.41	0	0	2	MASCOT	T	PLEX8

6.16E-02 0|0	Cs2g13410.1	9.41	0	0	2 MASCOT	T	PLEX8
1.53E-01 0|0	Cs2g13410.1	9.41	0	0	2 MASCOT	T	PLEX8
1.71E-01 0|0	Cs2g13410.1	5.81	0	0	2 MASCOT	T	PLEX8
2.39E-02 0|0	Cs2g13410.1	4.09	0	0	2 MASCOT	T	PLEX8
6.53E-05 0|0	Cs2g13410.1	4.09	0	0	2 MASCOT	T	PLEX8
3.15E-05 0|0	Cs2g13410.1	4.09	0	0	2 MASCOT	T	PLEX8
6.79E-05 0|0	Cs2g13410.1	4.09	0	0	2 MASCOT	T	PLEX8
8.42E-05 0|0	Cs2g13410.1	4.09	0	0	2 MASCOT	T	PLEX8
6.68E-03 0|0	Cs2g13410.1	4.09	0	0	2 MASCOT	T	PLEX8
2.75E-02 0|0	Cs2g13410.1	4.09	0	0	2 MASCOT	T	PLEX8
4.22E-03 0|0	Cs2g13410.1	4.09	0	0	2 MASCOT	T	PLEX8
2.55E-04 0|0	Cs2g13410.1	4.09	0	0	2 MASCOT	T	PLEX8
5.20E-03 0|0	Cs2g13410.1	4.09	0	0	2 MASCOT	T	PLEX8
2.53E-05 0|0	Cs2g13410.1	4.09	0	0	2 MASCOT	T	PLEX8
6.68E-05 0|0	Cs2g13410.1	4.09	0	0	2 MASCOT	T	PLEX8
2.59E-05 0|0	Cs2g13410.1	4.09	0	0	2 MASCOT	T	
3.26E-03 0|0	Cs2g13410.1	4.09	0	0	2 MASCOT	T	PLEX8
4.46E-05 0|0	Cs2g13410.1	4.09	0	0	2 MASCOT	T	PLEX8
1.30E-04 0|0	Cs2g13410.1	4.09	0	0	2 MASCOT	T	PLEX8
4.55E-04 0|0	Cs2g13410.1	4.09	0	0	2 MASCOT	T	PLEX8
4.02E-05 0|0	Cs2g13410.1	4.09	0	0	2 MASCOT	T	PLEX8
2.24E-05 0|0	Cs2g13410.1	4.09	0	0	2 MASCOT	T	
1.51E-03 0|0	Cs2g13410.1	4.09	0	0	2 MASCOT	T	PLEX8
1.05E-01 0|0	Cs2g13410.1	4.49	1	0	2 MASCOT	T	PLEX8
7.91E-02 0|0	Cs2g13410.1	8.59	0 15.9	0	2 MASCOT	T	PLEX8
6.69E-02 0|0	Cs2g13410.1	8.59	0 15.9	0	2 MASCOT	T	PLEX8
2.15E-01 0|0	Cs2g13410.1	8.59	0 15.9	0	2 MASCOT	T	
2.44E-01 0|0	Cs2g13410.1	8.59	0 15.9	0	2 MASCOT	T	PLEX8
1.16E-01 0|0	Cs2g13410.1	8.59	0 15.9	0	2 MASCOT	T	
2.78E-01 0|0	Cs2g13410.1	8.59	0 15.9	0	2 MASCOT	T	PLEX8
2.87E-01 0|0	Cs2g13410.1	8.59	0 15.9	0	2 MASCOT	T	PLEX8
1.85E-01 0|0	Cs2g13410.1	8.59	0 15.9	0	2 MASCOT	T	
6.01E-02 0|0	Cs2g13410.1	8.59	0	0	2 MASCOT	T	PLEX8
6.18E-02 0|0	Cs2g13410.1	8.59	0	0	2 MASCOT	T	PLEX8
7.77E-02 0|0	Cs2g13410.1	8.59	0	0	2 MASCOT	T	PLEX8
3.83E-02 0|0	Cs2g13410.1	8.59	0	0	2 MASCOT	T	PLEX8
1.18E-02 0|0	Cs2g13410.1	8.59	0	0	2 MASCOT	T	PLEX8
4.02E-02 0|0	Cs2g13410.1	8.59	0	0	2 MASCOT	T	PLEX8
8.08E-02 0|0	Cs2g13410.1	8.59	0	0	2 MASCOT	T	PLEX8
8.51E-02 0|0	Cs2g13410.1	8.59	0	0	2 MASCOT	T	PLEX8
7.22E-02 0|0	Cs2g13410.1	8.59	0	0	2 MASCOT	T	PLEX8
8.15E-02 0|0	Cs2g13410.1	8.59	0	0	2 MASCOT	T	PLEX8
1.08E-01 0|0	Cs2g13410.1	8.59	0	0	2 MASCOT	T	PLEX8
7.84E-02 0|0	Cs2g13410.1	8.59	0	0	2 MASCOT	T	PLEX8
2.83E-01 0|0	Cs2g13410.1	8.59	0	0	2 MASCOT	T	PLEX8
9.17E-02 0|0	Cs2g13410.1	8.59	0	0	2 MASCOT	T	PLEX8
8.54E-02 0|0	Cs2g13410.1	8.59	0	0	2 MASCOT	T	PLEX8
2.01E-01 0|0	Cs2g13410.1	8.59	0	0	2 MASCOT	T	PLEX8
1.04E-01 0|0	Cs2g13410.1	8.59	0	0	2 MASCOT	T	PLEX8
1.15E-01 0|0	Cs2g13410.1	8.59	0	0	2 MASCOT	T	PLEX8
8.50E-02 0|0	Cs2g13410.1	8.59	0	0	2 MASCOT	T	PLEX8

6.17E-02 0|0	Cs2g13410.1	8.59	0	0	2 MASCOT	T	PLEX8
2.23E-01 0|0	Cs2g13410.1	8.59	0	0	2 MASCOT	T	
6.13E-02 0|0	Cs2g13410.1	8.59	0	0	2 MASCOT	T	PLEX8
5.41E-02 0|0	Cs2g13410.1	8.59	0	0	2 MASCOT	T	PLEX8
4.96E-02 0|0	Cs2g13410.1	8.59	0	0	2 MASCOT	T	PLEX8
5.37E-02 0|0	Cs2g13410.1	8.59	0	0	2 MASCOT	T	PLEX8
7.56E-02 0|0	Cs2g13410.1	8.59	0	0	2 MASCOT	T	PLEX8
1.19E-01 0|0	Cs2g13410.1	8.59	0	0	2 MASCOT	T	PLEX8
1.27E-01 0|0	Cs2g13410.1	8.59	0	0	2 MASCOT	T	
1.86E-01 0|0	Cs2g13410.1	8.59	0	0	2 MASCOT	T	
7.68E-02 0|0	Cs2g13410.1	8.59	0	0	2 MASCOT	T	PLEX8
7.54E-02 0|0	Cs2g13410.1	8.59	0	0	2 MASCOT	T	PLEX8
1.33E-01 0|0	Cs2g13410.1	8.59	0	0	2 MASCOT	T	PLEX8
1.30E-01 0|0	Cs2g13410.1	8.59	0	0	2 MASCOT	T	PLEX8
1.10E-01 0|0	Cs2g13410.1	8.59	0	0	2 MASCOT	T	
7.45E-02 0|0	Cs2g13410.1	8.59	0	0	2 MASCOT	T	
9.64E-02 0|0	Cs2g13410.1	8.59	0	0	2 MASCOT	T	
6.35E-03 0|0	Cs2g13410.1	4.53	0	0	2 MASCOT	T	PLEX8
1.07E-01 0|0	Cs2g13410.1	8.8	0	0	2 MASCOT	T	PLEX8
2.99E-02 0|0	Cs2g13410.1	8.8	0	0	2 MASCOT	T	PLEX8
6.16E-03 0|0	Cs2g13410.1	8.8	0	0	2 MASCOT	T	PLEX8
1.48E-02 0|0	Cs2g13410.1	8.8	0	0	2 MASCOT	T	PLEX8
5.18E-03 0|0	Cs2g13410.1	8.8	0	0	2 MASCOT	T	PLEX8
2.71E-01 0|0	Cs2g13410.1	8.8	0	0	2 MASCOT	T	PLEX8
6.49E-02 0|0	Cs2g13410.1	8.8	0	0	2 MASCOT	T	PLEX8
1.38E-02 0|0	Cs2g13410.1	8.8	0	0	2 MASCOT	T	PLEX8
5.43E-02 0|0	Cs2g13410.1	8.8	0	0	2 MASCOT	T	PLEX8
1.37E-02 0|0	Cs2g13410.1	8.8	0	0	2 MASCOT	T	PLEX8
1.29E-01 0|0	Cs2g13410.1	8.8	0	0	2 MASCOT	T	PLEX8
2.60E-01 0|0	Cs2g13410.1	8.8	0	0	2 MASCOT	T	PLEX8
7.53E-02 0|0	Cs2g13410.1	8.8	0	0	2 MASCOT	T	PLEX8
1.59E-01 0|0	Cs2g13410.1	8.8	0	0	2 MASCOT	T	PLEX8
9.48E-02 0|0	Cs2g13410.1	8.8	0	0	2 MASCOT	T	PLEX8
5.97E-03 0|0	Cs2g13410.1	8.8	0	0	2 MASCOT	T	PLEX8
7.01E-02 0|0	Cs2g13410.1	8.8	0	0	2 MASCOT	T	PLEX8
4.31E-02 0|0	Cs2g13410.1	8.8	0	0	2 MASCOT	T	PLEX8
2.58E-02 0|0	Cs2g13410.1	8.8	0	0	2 MASCOT	T	PLEX8
6.70E-02 0|0	Cs2g13410.1	8.8	0	0	2 MASCOT	T	PLEX8
3.00E-01 0|0	Cs2g13410.1	8.8	0	0	2 MASCOT	T	PLEX8
7.04E-02 0|0	Cs2g13410.1	8.8	0	0	2 MASCOT	T	PLEX8
1.41E-02 0|0	Cs2g13410.1	8.8	0	0	2 MASCOT	T	PLEX8
1.19E-01 0|0	Cs2g13410.1	8.8	0	0	2 MASCOT	T	PLEX8
3.80E-02 0|0	Cs2g13410.1	8.8	0	0	2 MASCOT	T	PLEX8
3.48E-02 0|0	Cs2g13410.1	8.8	0	0	2 MASCOT	T	PLEX8
6.50E-03 0|0	Cs2g13410.1	8.8	0	0	2 MASCOT	T	PLEX8
1.36E-02 0|0	Cs2g13410.1	8.8	0	0	2 MASCOT	T	PLEX8
7.45E-03 0|0	Cs2g13410.1	8.8	0	0	2 MASCOT	T	PLEX8
2.52E-02 0|0	Cs2g13410.1	8.8	0	0	2 MASCOT	T	PLEX8
7.38E-03 0|0	Cs2g13410.1	8.8	0	0	2 MASCOT	T	PLEX8
1.04E-02 0|0	Cs2g13410.1	8.8	0	0	2 MASCOT	T	PLEX8
1.34E-03 0|0	Cs2g13410.1	8.8	0	0	2 MASCOT	T	PLEX8

6.92E-03	0|0	Cs2g13410.1	8.8	0	0	2 MASCOT	T	PLEX8
1.33E-03	0|0	Cs2g13410.1	8.8	0	0	2 MASCOT	T	PLEX8
6.84E-03	0|0	Cs2g13410.1	8.8	0	0	2 MASCOT	T	PLEX8
1.40E-02	0|0	Cs2g13410.1	8.8	0	0	2 MASCOT	T	PLEX8
1.57E-02	0|0	Cs2g13410.1	8.8	0	0	2 MASCOT	T	PLEX8
2.93E-02	0|0	Cs2g13410.1	8.8	0	0	2 MASCOT	T	PLEX8
1.20E-01	0|0	Cs2g13410.1	8.8	0	0	2 MASCOT	T	PLEX8
1.05E-01	0|0	Cs2g13410.1	8.8	0	0	2 MASCOT	T	PLEX8
1.39E-03	0|0	Cs2g13410.1	8.8	0	0	2 MASCOT	T	
4.43E-02	0|0	Cs2g13410.1	8.8	0	0	2 MASCOT	T	
2.25E-02	0|0	Cs2g13410.1	8.8	0	0	2 MASCOT	T	
2.63E-02	0|0	Cs2g13410.1	8.8	0	0	2 MASCOT	T	
1.60E-04	0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	PLEX8
9.30E-02	0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	PLEX8
1.08E-01	0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	PLEX8
1.47E-03	0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	PLEX8
4.62E-03	0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	PLEX8
1.13E-03	0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	PLEX8
1.70E-01	0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	PLEX8
3.04E-04	0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	PLEX8
1.58E-06	0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	PLEX8
2.12E-07	0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	PLEX8
1.83E-05	0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	PLEX8
1.10E-02	0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	PLEX8
4.95E-07	0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	PLEX8
1.76E-05	0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	PLEX8
1.36E-05	0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	PLEX8
3.34E-06	0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	PLEX8
8.00E-05	0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	PLEX8
1.45E-05	0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	PLEX8
5.26E-02	0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	PLEX8
8.95E-05	0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	PLEX8
1.78E-01	0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	PLEX8
9.84E-05	0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	PLEX8
2.74E-02	0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	PLEX8
2.18E-02	0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	PLEX8
5.55E-02	0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	
2.59E-06	0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	PLEX8
7.59E-04	0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	PLEX8
7.96E-04	0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	PLEX8
1.58E-03	0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	
8.30E-03	0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	
2.59E-04	0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	
5.36E-05	0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	PLEX8
1.13E-01	0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	
4.88E-03	0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	PLEX8
6.26E-02	0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	PLEX8
6.45E-06	0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	PLEX8
1.18E-03	0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	
3.03E-06	0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	
1.33E-01	0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	PLEX8

4.85E-02 0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	PLEX8
4.48E-04 0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	PLEX8
6.04E-03 0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	PLEX8
1.73E-01 0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	
1.78E-01 0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	
1.17E-01 0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	
1.17E-03 0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	
1.58E-02 0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	
9.33E-03 0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	
1.49E-01 0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	
2.62E-01 0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	
3.12E-04 0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	
1.22E-03 0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	
6.24E-03 0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	
3.00E-04 0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	
3.08E-03 0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	
8.42E-07 0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	
4.99E-04 0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	
2.21E-08 0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	
5.98E-05 0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	
9.15E-06 0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	
2.05E-04 0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	
4.26E-02 0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	
1.16E-01 0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	PLEX8
5.06E-04 0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	PLEX8
1.56E-03 0|0	Cs2g13410.1	4.37	0	0	2 MASCOT	T	PLEX8
3.20E-01 0|0	Cs2g13410.1	5.72	0	0	2 MASCOT	T	
8.29E-02 0|0	Cs2g13410.1	4.53	0	0	2 MASCOT	T	PLEX8
1.13E-01 0|0	Cs2g13410.1	4.53	0	0	2 MASCOT	T	PLEX8
1.62E-01 0|0	Cs2g13410.1	4.53	0	0	2 MASCOT	T	PLEX8
1.99E-01 0|0	Cs2g13410.1	4.53	0	0	2 MASCOT	T	PLEX8
1.96E-01 0|0	Cs2g13410.1	4.53	0	0	2 MASCOT	T	PLEX8
3.69E-01 0|0	Cs2g13410.1	4.53	0	0	2 MASCOT	T	PLEX8
2.83E-02 0|0	Cs2g13410.1	4.53	0	0	2 MASCOT	T	PLEX8
8.38E-02 0|0	Cs2g13410.1	4.53	0	0	2 MASCOT	T	PLEX8
4.21E-01 0|0	Cs2g13410.1	4.53	0	0	2 MASCOT	T	
3.79E-01 0|0	Cs2g13410.1	4.53	0	0	2 MASCOT	T	
1.47E-01 0|0	Cs2g13410.1	4.53	0	0	2 MASCOT	T	
2.12E-01 0|0	Cs2g13410.1	7.89	0	0	2 MASCOT	T	PLEX8
1.08E-01 0|0	Cs2g13410.1	7.89	0	0	2 MASCOT	T	PLEX8
3.16E-01 0|0	Cs2g13410.1	7.89	0	0	2 MASCOT	T	PLEX8
1.16E-02 0|0	Cs2g13410.1	7.89	0	0	2 MASCOT	T	PLEX8
9.27E-04 0|0	Cs2g13410.1	7.89	0	0	2 MASCOT	T	PLEX8
1.14E-02 0|0	Cs2g13410.1	7.89	0	0	2 MASCOT	T	PLEX8
4.09E-03 0|0	Cs2g13410.1	7.89	0	0	2 MASCOT	T	PLEX8
1.04E-01 0|0	Cs2g13410.1	7.89	0	0	2 MASCOT	T	
5.74E-04 0|0	Cs2g13410.1	7.89	0	0	2 MASCOT	T	PLEX8
7.97E-04 0|0	Cs2g13410.1	7.89	0	0	2 MASCOT	T	PLEX8
6.01E-03 0|0	Cs2g13410.1	7.89	0	0	2 MASCOT	T	PLEX8
1.39E-03 0|0	Cs2g13410.1	7.89	0	0	2 MASCOT	T	PLEX8
2.42E-03 0|0	Cs2g13410.1	7.89	0	0	2 MASCOT	T	PLEX8

5.23E-02 0|0	Cs2g13410.1	7.89	0	0	2 MASCOT	T	PLEX8
2.03E-01 0|0	Cs2g13410.1	7.89	0	0	2 MASCOT	T	PLEX8
4.18E-03 0|0	Cs2g13410.1	7.89	0	0	2 MASCOT	T	PLEX8
8.88E-03 0|0	Cs2g13410.1	7.89	0	0	2 MASCOT	T	PLEX8
1.10E-01 0|0	Cs2g13410.1	7.89	0	0	2 MASCOT	T	
3.80E-03 0|0	Cs2g13410.1	7.89	0	0	2 MASCOT	T	PLEX8
1.07E-01 0|0	Cs2g13410.1	7.89	0	0	2 MASCOT	T	
6.44E-04 0|0	Cs2g13410.1	7.89	0	0	2 MASCOT	T	PLEX8
6.64E-04 0|0	Cs2g13410.1	7.89	0	0	2 MASCOT	T	PLEX8
5.11E-02 0|0	Cs2g13410.1	7.89	0	0	2 MASCOT	T	PLEX8
5.79E-03 0|0	Cs2g13410.1	7.89	0	0	2 MASCOT	T	PLEX8
7.63E-03 0|0	Cs2g13410.1	7.89	0	0	2 MASCOT	T	PLEX8
2.48E-01 0|0	Cs2g13410.1	7.89	0	0	2 MASCOT	T	PLEX8
1.20E-02 0|0	Cs2g13410.1	7.89	0	0	2 MASCOT	T	PLEX8
1.38E-03 0|0	Cs2g13410.1	7.89	0	0	2 MASCOT	T	PLEX8
1.39E-03 0|0	Cs2g13410.1	7.89	0	0	2 MASCOT	T	PLEX8
3.95E-02 0|0	Cs2g13410.1	7.89	0	0	2 MASCOT	T	PLEX8
2.15E-03 0|0	Cs2g13410.1	7.89	0	0	2 MASCOT	T	PLEX8
3.82E-02 0|0	Cs2g13410.1	7.89	0	0	2 MASCOT	T	PLEX8
1.51E-02 0|0	Cs2g13410.1	7.89	0	0	2 MASCOT	T	PLEX8
2.00E-04 0|0	Cs2g13410.1	7.89	0	0	2 MASCOT	T	
6.64E-04 0|0	Cs2g13410.1	7.89	0	0	2 MASCOT	T	
7.55E-05 0|0	Cs2g13410.1	7.89	0	0	2 MASCOT	T	
7.49E-02 0|0	Cs2g13410.1	7.89	0	0	2 MASCOT	T	
5.26E-03 0|0	Cs2g13410.1	7.89	0	0	2 MASCOT	T	PLEX8
1.42E-03 0|0	Cs2g13410.1	7.89	0	0	2 MASCOT	T	PLEX8
7.14E-06 0|0	Cs2g13410.1	4.01	0	0	2 MASCOT	T	PLEX8
5.45E-02 0|0	Cs3g15540.1/Cs3g155	5.87	0	0	2 MASCOT	T	PLEX8
3.44E-03 0|0	Cs3g15540.1/Cs3g155	5.87	0	0	2 MASCOT	T	PLEX8
6.42E-02 0|0	Cs3g15540.1/Cs3g155	5.87	0	0	2 MASCOT	T	
2.84E-04 0|0	Cs3g15540.1/Cs3g155	5.87	0	0	2 MASCOT	T	
1.03E-04 0|0	Cs3g15540.1/Cs3g155	5.87	0	0	2 MASCOT	T	
4.17E-02 0|0	Cs3g15540.1/Cs3g155	5.87	0	0	2 MASCOT	T	
3.43E-03 0|0	Cs3g15540.1/Cs3g155	5.87	0	0	2 MASCOT	T	
1.33E-02 0|0	Cs3g15540.1/Cs3g155	5.87	0	0	2 MASCOT	T	
3.16E-02 0|0	Cs3g15540.1/Cs3g155	5.87	0	0	2 MASCOT	T	
4.90E-04 0|0	Cs3g15540.1/Cs3g155	5.87	0	0	2 MASCOT	T	
2.41E-02 0|0	Cs3g15540.1/Cs3g155	5.87	0	0	2 MASCOT	T	
2.57E-02 0|0	Cs3g15540.1/Cs3g155	6.74	0 15.9	0	2 MASCOT	T	PLEX8
8.83E-02 0|0	Cs3g15540.1/Cs3g155	6.74	0 15.9	0	2 MASCOT	T	PLEX8
3.75E-02 0|0	Cs3g15540.1/Cs3g155	6.74	0 15.9	0	2 MASCOT	T	PLEX8
1.02E-03 0|0	Cs3g15540.1/Cs3g155	6.74	0 15.9	0	2 MASCOT	T	PLEX8
2.08E-04 0|0	Cs3g15540.1/Cs3g155	6.74	0 15.9	0	2 MASCOT	T	PLEX8
6.93E-02 0|0	Cs3g15540.1/Cs3g155	6.74	0 15.9	0	2 MASCOT	T	PLEX8
1.80E-03 0|0	Cs3g15540.1/Cs3g155	6.74	0 15.9	0	2 MASCOT	T	PLEX8
3.79E-03 0|0	Cs3g15540.1/Cs3g155	6.74	0 15.9	0	2 MASCOT	T	PLEX8
5.49E-02 0|0	Cs3g15540.1/Cs3g155	6.74	0 15.9	0	2 MASCOT	T	PLEX8
5.49E-03 0|0	Cs3g15540.1/Cs3g155	6.74	0 15.9	0	2 MASCOT	T	PLEX8
6.12E-03 0|0	Cs3g15540.1/Cs3g155	6.74	0	0	2 MASCOT	T	PLEX8
1.21E-01 0|0	Cs3g15540.1/Cs3g155	6.74	0	0	2 MASCOT	T	PLEX8
4.75E-02 0|0	Cs3g15540.1/Cs3g155	6.74	0	0	2 MASCOT	T	PLEX8

2.84E-03	0|0	Cs3g15540.1/Cs3g155	6.74	0	0	2	MASCOT	T	PLEX8	
1.08E-03	0|0	Cs3g15540.1/Cs3g155	6.74	0	0	2	MASCOT	T	PLEX8	
2.59E-02	0|0	Cs3g15540.1/Cs3g155	6.74	0	0	2	MASCOT	T	PLEX8	
9.14E-03	0|0	Cs3g15540.1/Cs3g155	6.74	0	0	2	MASCOT	T	PLEX8	
3.18E-03	0|0	Cs3g15540.1/Cs3g155	6.74	0	0	2	MASCOT	T		
6.40E-04	0|0	Cs3g15540.1/Cs3g155	6.74	0	0	2	MASCOT	T		
7.90E-03	0|0	Cs3g15540.1/Cs3g155	6.74	0	0	2	MASCOT	T		
1.14E-03	0|0	Cs3g15540.1/Cs3g155	4.37	0	0	2	MASCOT	T	PLEX8	
1.83E-02	0|0	Cs3g15540.1/Cs3g155	4.37	0	0	2	MASCOT	T	PLEX8	
4.39E-02	0|0	Cs3g15540.1/Cs3g155	4.37	0	0	2	MASCOT	T	PLEX8	
5.26E-05	0|0	Cs3g15540.1/Cs3g155	4.37	0	0	2	MASCOT	T	PLEX8	
1.12E-05	0|0	Cs3g15540.1/Cs3g155	4.37	0	0	2	MASCOT	T	PLEX8	
2.93E-01	0|0	Cs3g15540.1/Cs3g155	4.37	0	0	2	MASCOT	T	PLEX8	
1.11E-04	0|0	Cs3g15540.1/Cs3g155	4.37	0	0	2	MASCOT	T	PLEX8	
1.52E-03	0|0	Cs3g15540.1/Cs3g155	4.37	0	0	2	MASCOT	T	PLEX8	
1.85E-03	0|0	Cs3g15540.1/Cs3g155	4.37	0	0	2	MASCOT	T		
1.49E-01	0|0	Cs3g15540.1/Cs3g155	4.37	0	0	2	MASCOT	T	PLEX8	
1.18E-03	0|0	Cs3g15540.1/Cs3g155	4.37	0	0	2	MASCOT	T		
1.61E-02	0|0	Cs3g15540.1/Cs3g155	6.06	1	0	2	MASCOT	T	PLEX8	
8.69E-03	0|0	Cs3g15540.1/Cs3g155	6.06	1	0	2	MASCOT	T	PLEX8	
5.65E-02	0|0	Cs3g15540.1/Cs3g155	6.06	1	0	2	MASCOT	T	PLEX8	
8.81E-02	0|0	Cs3g15540.1/Cs3g155	6.06	1	0	2	MASCOT	T	PLEX8	
1.55E-01	0|0	Cs3g15540.1/Cs3g155	6	0	0	2	MASCOT	T	PLEX8	
4.11E-02	0|0	Cs3g15540.1/Cs3g155	6	0	0	2	MASCOT	T	PLEX8	
3.96E-03	0|0	Cs3g15540.1/Cs3g155	6	0	0	2	MASCOT	T	PLEX8	
2.02E-02	0|0	Cs3g15540.1/Cs3g155	6	0	0	2	MASCOT	T	PLEX8	
7.75E-02	0|0	Cs3g15540.1/Cs3g155	6	0	0	2	MASCOT	T	PLEX8	
3.90E-04	0|0	Cs3g15540.1/Cs3g155	6	0	0	2	MASCOT	T	PLEX8	
1.63E-01	0|0	Cs3g15540.1/Cs3g155	6	0	0	2	MASCOT	T	PLEX8	
4.59E-04	0|0	Cs3g15540.1/Cs3g155	6	0	0	2	MASCOT	T	PLEX8	
6.16E-02	0|0	Cs3g15540.1/Cs3g155	6	0	0	2	MASCOT	T	PLEX8	
4.63E-03	0|0	Cs3g15540.1/Cs3g155	6	0	0	2	MASCOT	T	PLEX8	
2.21E-02	0|0	Cs3g15540.1/Cs3g155	9.75	0	0	2	MASCOT	T		
4.85E-03	0|0	Cs3g15540.1/Cs3g155	4.9	0	0	2	MASCOT	T		
1.97E-02	0|0	Cs3g15540.1/Cs3g155	5.5	0	15.9	0	2	MASCOT	T	PLEX8
1.27E-02	0|0	Cs3g15540.1/Cs3g155	5.5	0	15.9	0	2	MASCOT	T	PLEX8
3.05E-04	0|0	Cs3g15540.1/Cs3g155	5.5	0	15.9	0	2	MASCOT	T	PLEX8
1.18E-02	0|0	Cs3g15540.1/Cs3g155	5.5	0	15.9	0	2	MASCOT	T	PLEX8
5.93E-03	0|0	Cs3g15540.1/Cs3g155	5.5	0	15.9	0	2	MASCOT	T	PLEX8
3.21E-03	0|0	Cs3g15540.1/Cs3g155	5.5	0	15.9	0	2	MASCOT	T	PLEX8
4.63E-03	0|0	Cs3g15540.1/Cs3g155	5.5	0	0	2	MASCOT	T	PLEX8	
1.94E-02	0|0	Cs3g15540.1/Cs3g155	5.5	0	0	2	MASCOT	T	PLEX8	
9.39E-03	0|0	Cs3g15540.1/Cs3g155	5.5	0	0	2	MASCOT	T	PLEX8	
4.40E-01	0|0	Cs3g06370.1/Cs3g155	8.59	0	0	2	MASCOT	T	PLEX8	
2.22E-03	0|0	Cs3g06370.1/Cs3g155	9.8	0	0	2	MASCOT	T	PLEX8	
1.92E-01	0|0	Cs3g06370.1/Cs3g155	9.8	0	0	2	MASCOT	T	PLEX8	
4.70E-02	0|0	Cs3g06370.1/Cs3g155	9.8	0	0	2	MASCOT	T	PLEX8	
1.61E-03	0|0	Cs3g06370.1/Cs3g155	9.8	0	0	2	MASCOT	T	PLEX8	
1.33E-04	0|0	Cs3g06370.1/Cs3g155	9.8	0	0	2	MASCOT	T	PLEX8	
2.04E-03	0|0	Cs3g06370.1/Cs3g155	9.8	0	0	2	MASCOT	T	PLEX8	
4.61E-02	0|0	Cs3g06370.1/Cs3g155	9.8	0	0	2	MASCOT	T	PLEX8	

2.02E-01	0|0	Cs3g06370.1/Cs3g155	9.8	0	0	2	MASCOT	T	PLEX8	
5.64E-02	0|0	Cs3g06370.1/Cs3g155	4.53	0	0	2	MASCOT	T	PLEX8	
5.75E-02	0|0	Cs3g15540.1/Cs3g155	4.54	0	0	2	MASCOT	T	PLEX8	
4.87E-03	0|0	Cs3g15540.1/Cs3g155	4.54	0	0	2	MASCOT	T	PLEX8	
1.49E-01	0|0	Cs3g15540.1/Cs3g155	4.54	0	0	2	MASCOT	T	PLEX8	
9.75E-02	0|0	Cs3g15540.1/Cs3g155	4.54	0	0	2	MASCOT	T	PLEX8	
3.79E-05	0|0	Cs3g15540.1/Cs3g155	4.54	0	0	2	MASCOT	T	PLEX8	
1.19E-06	0|0	Cs3g15540.1/Cs3g155	4.54	0	0	2	MASCOT	T	PLEX8	
2.21E-03	0|0	Cs3g15540.1/Cs3g155	4.54	0	0	2	MASCOT	T	PLEX8	
1.11E-02	0|0	Cs3g15540.1/Cs3g155	4.54	0	0	2	MASCOT	T		
2.85E-03	0|0	Cs3g15540.1/Cs3g155	4.54	0	0	2	MASCOT	T		
1.86E-03	0|0	Cs3g15540.1/Cs3g155	4.54	0	0	2	MASCOT	T	PLEX8	
2.48E-02	0|0	Cs3g15540.1/Cs3g155	4.54	0	0	2	MASCOT	T		
6.64E-04	0|0	Cs3g15540.1/Cs3g155	4.54	0	0	2	MASCOT	T		
1.44E-01	0|0	Cs3g15540.1/Cs3g155	7.01	0	15.9	0	2	MASCOT	T	PLEX8
1.07E-03	0|0	Cs3g15540.1/Cs3g155	7.01	0	15.9	0	2	MASCOT	T	PLEX8
6.93E-02	0|0	Cs3g15540.1/Cs3g155	7.01	0	15.9	0	2	MASCOT	T	PLEX8
4.72E-03	0|0	Cs3g15540.1/Cs3g155	7.01	0	15.9	0	2	MASCOT	T	PLEX8
1.41E-01	0|0	Cs3g15540.1/Cs3g155	7.01	0	15.9	0	2	MASCOT	T	PLEX8
1.55E-02	0|0	Cs3g15540.1/Cs3g155	7.01	0	15.9	0	2	MASCOT	T	PLEX8
2.28E-02	0|0	Cs3g15540.1/Cs3g155	7.01	0	15.9	0	2	MASCOT	T	PLEX8
1.69E-02	0|0	Cs3g15540.1/Cs3g155	7.01	0	15.9	0	2	MASCOT	T	PLEX8
7.54E-02	0|0	Cs3g15540.1/Cs3g155	7.01	0	0	2	MASCOT	T	PLEX8	
4.80E-03	0|0	Cs3g15540.1/Cs3g155	7.01	0	0	2	MASCOT	T	PLEX8	
1.79E-03	0|0	Cs3g15540.1/Cs3g155	7.01	0	0	2	MASCOT	T	PLEX8	
3.74E-03	0|0	Cs3g15540.1/Cs3g155	7.01	0	0	2	MASCOT	T	PLEX8	
4.22E-03	0|0	Cs3g15540.1/Cs3g155	7.01	0	0	2	MASCOT	T	PLEX8	
2.01E-01	0|0	Cs3g15540.1/Cs3g155	7.01	0	0	2	MASCOT	T	PLEX8	
1.71E-03	0|0	Cs3g15540.1/Cs3g155	6.75	0	0	2	MASCOT	T	PLEX8	
7.22E-02	0|0	Cs3g15540.1/Cs3g155	6.75	0	0	2	MASCOT	T	PLEX8	
5.55E-03	0|0	Cs3g15540.1/Cs3g155	6.75	0	0	2	MASCOT	T	PLEX8	
1.26E-01	0|0	Cs3g15540.1/Cs3g155	6.75	0	0	2	MASCOT	T		
2.89E-03	0|0	Cs3g06370.1/Cs3g155	6.74	0	0	2	MASCOT	T	PLEX8	
1.99E-02	0|0	Cs3g06370.1/Cs3g155	6.74	0	0	2	MASCOT	T	PLEX8	
4.32E-02	0|0	Cs3g06370.1/Cs3g155	6.74	0	0	2	MASCOT	T		
6.00E-02	0|0	Cs3g06370.1/Cs3g155	6.74	0	0	2	MASCOT	T		
7.72E-02	0|0	Cs3g06370.1/Cs3g155	6.74	0	0	2	MASCOT	T	PLEX8	
3.35E-02	0|0	Cs3g06370.1/Cs3g155	6.74	0	0	2	MASCOT	T		
5.21E-02	0|0	Cs3g06370.1/Cs3g155	6.74	0	0	2	MASCOT	T		
6.94E-02	0|0	Cs3g15540.1/Cs3g155	8.22	1	0	2	MASCOT	T	PLEX8	
9.17E-02	0|0	Cs3g15540.1/Cs3g155	8.22	1	0	2	MASCOT	T	PLEX8	
8.63E-02	0|0	Cs3g15540.1/Cs3g155	8.22	1	0	2	MASCOT	T	PLEX8	
4.86E-02	0|0	Cs3g15540.1/Cs3g155	8.22	1	0	2	MASCOT	T	PLEX8	
5.60E-02	0|0	Cs3g15540.1/Cs3g155	8.22	1	0	2	MASCOT	T	PLEX8	
1.51E-01	0|0	Cs3g15530.1/Cs3g155	8.59	0	0	2	MASCOT	T	PLEX8	
2.08E-01	0|0	Cs3g15530.1/Cs3g155	8.59	0	0	2	MASCOT	T		
2.67E-01	0|0	Cs3g15530.1/Cs3g155	8.59	0	0	2	MASCOT	T	PLEX8	
1.42E-01	0|0	Cs2g19140.1	6.05	0	0	2	MASCOT	T	PLEX8	
6.63E-02	0|0	Cs2g19140.1	6.05	0	0	2	MASCOT	T	PLEX8	
3.98E-04	0|0	Cs2g19140.1	6.05	0	0	2	MASCOT	T	PLEX8	
1.01E-03	0|0	Cs2g19140.1	6.05	0	0	2	MASCOT	T	PLEX8	

4.57E-03	0|0	Cs2g19140.1	6.05	0	0	2	MASCOT	T	PLEX8
9.79E-05	0|0	Cs2g19140.1	6.05	0	0	2	MASCOT	T	PLEX8
4.03E-02	0|0	Cs2g19140.1	6.05	0	0	2	MASCOT	T	PLEX8
3.05E-03	0|0	Cs2g19140.1	6.05	0	0	2	MASCOT	T	PLEX8
2.48E-01	0|0	Cs2g19140.1	6.05	0	0	2	MASCOT	T	PLEX8
3.26E-02	0|0	Cs2g19140.1	6.05	0	0	2	MASCOT	T	PLEX8
2.07E-03	0|0	Cs2g19140.1	6.05	0	0	2	MASCOT	T	PLEX8
6.40E-03	0|0	Cs2g19140.1	6.05	0	0	2	MASCOT	T	PLEX8
1.12E-03	0|0	Cs2g19140.1	6.05	0	0	2	MASCOT	T	PLEX8
4.07E-02	0|0	Cs2g19140.1	6.05	0	0	2	MASCOT	T	PLEX8
3.45E-04	0|0	Cs2g19140.1	6.05	0	0	2	MASCOT	T	PLEX8
4.29E-03	0|0	Cs2g19140.1	6.05	0	0	2	MASCOT	T	PLEX8
8.91E-05	0|0	Cs2g19140.1	6.05	0	0	2	MASCOT	T	PLEX8
8.61E-05	0|0	Cs2g19140.1	6.05	0	0	2	MASCOT	T	PLEX8
5.33E-03	0|0	Cs2g19140.1	6.05	0	0	2	MASCOT	T	PLEX8
1.26E-03	0|0	Cs2g19140.1	6.05	0	0	2	MASCOT	T	PLEX8
2.04E-04	0|0	Cs2g19140.1	6.05	0	0	2	MASCOT	T	PLEX8
5.28E-01	0|0	Cs2g19140.1/Cs2g191	8.06	0	0	2	MASCOT	T	PLEX8
4.36E-01	0|0	Cs2g19140.1/Cs2g191	8.06	0	0	2	MASCOT	T	PLEX8
3.30E-01	0|0	Cs2g19140.1/Cs2g191	4.37	0	0	2	MASCOT	T	PLEX8
2.05E-02	0|0	Cs2g19140.1/Cs2g191	4.37	0	0	2	MASCOT	T	PLEX8
1.65E-01	0|0	Cs2g19140.1/Cs2g191	4.37	0	0	2	MASCOT	T	PLEX8
3.38E-02	0|0	Cs2g19140.1/Cs2g191	4.37	0	0	2	MASCOT	T	PLEX8
1.76E-06	0|0	Cs2g19140.1/Cs2g191	4.37	0	0	2	MASCOT	T	PLEX8
2.82E-04	0|0	Cs2g19140.1/Cs2g191	4.37	0	0	2	MASCOT	T	PLEX8
1.43E-01	0|0	Cs2g19140.1/Cs2g191	4.37	0	0	2	MASCOT	T	PLEX8
2.31E-01	0|0	Cs2g19140.1/Cs2g191	4.37	0	0	2	MASCOT	T	PLEX8
2.47E-05	0|0	Cs2g19140.1/Cs2g191	4.37	0	0	2	MASCOT	T	PLEX8
1.50E-04	0|0	Cs2g19140.1/Cs2g191	4.37	0	0	2	MASCOT	T	PLEX8
4.51E-01	0|0	Cs2g19140.1/Cs2g191	4.37	0	0	2	MASCOT	T	PLEX8
2.15E-03	0|0	Cs2g19140.1/Cs2g191	4.37	0	0	2	MASCOT	T	PLEX8
1.90E-01	0|0	Cs2g19140.1/Cs2g191	4.37	0	0	2	MASCOT	T	PLEX8
3.45E-01	0|0	Cs2g19140.1/Cs2g191	4.37	0	0	2	MASCOT	T	PLEX8
3.34E-03	0|0	Cs2g19140.1/Cs2g191	4.37	0	0	2	MASCOT	T	PLEX8
1.67E-02	0|0	Cs2g19140.1/Cs2g191	4.37	0	0	2	MASCOT	T	PLEX8
4.13E-03	0|0	Cs2g19140.1/Cs2g191	4.37	0	0	2	MASCOT	T	PLEX8
7.20E-07	0|0	Cs2g19140.1/Cs2g191	4.37	0	0	2	MASCOT	T	PLEX8
1.30E-02	0|0	Cs2g19140.1/Cs2g191	4.37	0	0	2	MASCOT	T	PLEX8
1.63E-02	0|0	Cs2g19140.1/Cs2g191	4.37	0	0	2	MASCOT	T	PLEX8
4.67E-02	0|0	Cs2g19140.1/Cs2g191	4.37	0	0	2	MASCOT	T	PLEX8
5.56E-02	0|0	Cs2g19140.1	8.75	0	0	2	MASCOT	T	PLEX8
5.91E-02	0|0	Cs2g19140.1	8.75	0	0	2	MASCOT	T	PLEX8
1.50E-01	0|0	Cs2g19140.1	8.75	0	0	2	MASCOT	T	PLEX8
7.88E-02	0|0	Cs2g19140.1	8.75	0	0	2	MASCOT	T	PLEX8
1.61E-02	0|0	Cs2g19140.1	8.75	0	0	2	MASCOT	T	PLEX8
7.14E-02	0|0	Cs2g19140.1	8.75	0	0	2	MASCOT	T	PLEX8
8.48E-02	0|0	Cs2g19140.1	8.75	0	0	2	MASCOT	T	PLEX8
2.25E-01	0|0	Cs2g19140.1	8.75	0	0	2	MASCOT	T	PLEX8
2.38E-01	0|0	Cs2g19140.1	8.75	0	0	2	MASCOT	T	PLEX8
1.73E-01	0|0	Cs2g19140.1	8.75	0	0	2	MASCOT	T	PLEX8
5.96E-02	0|0	Cs2g19140.1	8.75	0	0	2	MASCOT	T	PLEX8

1.96E-01	0|0	Cs2g19140.1	8.75	0	0	2	MASCOT	T	PLEX8	
1.26E-01	0|0	Cs2g19140.1	8.75	0	0	2	MASCOT	T	PLEX8	
1.02E-01	0|0	Cs2g19140.1	8.75	0	0	2	MASCOT	T		
1.46E-01	0|0	Cs2g19140.1/Cs2g191	4.53	0	0	2	MASCOT	T	PLEX8	
5.15E-02	0|0	Cs2g19140.1/Cs2g191	4.53	0	0	2	MASCOT	T	PLEX8	
9.40E-02	0|0	Cs2g19140.1/Cs2g191	4.53	0	0	2	MASCOT	T	PLEX8	
1.72E-01	0|0	Cs2g19140.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.12E-01	0|0	Cs2g19140.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.97E-05	0|0	Cs2g19140.1	4.65	0	15.9	0	2	MASCOT	T	PLEX8
7.07E-05	0|0	Cs2g19140.1	4.65	0	15.9	0	2	MASCOT	T	
5.99E-06	0|0	Cs2g19140.1	4.65	0	0	2	MASCOT	T	PLEX8	
2.75E-02	0|0	Cs2g19140.1/Cs2g191	5.84	0	0	2	MASCOT	T	PLEX8	
1.34E-01	0|0	Cs2g19140.1/Cs2g191	5.84	0	0	2	MASCOT	T	PLEX8	
9.03E-02	0|0	Cs2g19140.1	4.21	0	0	2	MASCOT	T		
3.07E-04	0|0	Cs2g19140.1/Cs2g191	5.84	0	15.9	0	2	MASCOT	T	
9.46E-05	0|0	Cs2g19140.1/Cs2g191	5.84	0	15.9	0	2	MASCOT	T	
5.70E-05	0|0	Cs2g19140.1/Cs2g191	5.84	0	15.9	0	2	MASCOT	T	
2.05E-04	0|0	Cs2g19140.1/Cs2g191	5.84	0	15.9	0	2	MASCOT	T	
4.57E-03	0|0	Cs2g19140.1/Cs2g191	5.84	0	0	2	MASCOT	T		
2.47E-03	0|0	Cs2g19140.1/Cs2g191	5.84	0	0	2	MASCOT	T		
5.78E-02	0|0	Cs2g19140.1/Cs2g191	5.84	0	0	2	MASCOT	T		
9.04E-02	0|0	Cs2g19140.1/Cs2g191	4.32	1	0	2	MASCOT	T	PLEX8	
9.24E-02	0|0	Cs2g19140.1/Cs2g191	4.32	1	0	2	MASCOT	T	PLEX8	
1.08E-01	0|0	Cs2g19140.1/Cs2g191	6	0	0	2	MASCOT	T	PLEX8	
1.52E-03	0|0	Cs2g19140.1/Cs2g191	5.4	0	0	2	MASCOT	T		
4.35E-01	0|0	Cs2g19140.1/Cs2g191	5.4	0	0	2	MASCOT	T	PLEX8	
8.23E-04	0|0	Cs2g19140.1/Cs2g191	5.4	0	0	2	MASCOT	T	PLEX8	
2.87E-02	0|0	Cs2g19140.1/Cs2g191	5.4	0	0	2	MASCOT	T		
1.42E-01	0|0	Cs2g19140.1/Cs2g191	5.4	0	0	2	MASCOT	T		
7.22E-04	0|0	Cs2g19140.1/Cs2g191	5.4	0	0	2	MASCOT	T		
2.58E-04	0|0	Cs2g19140.1/Cs2g191	5.4	0	0	2	MASCOT	T		
4.93E-02	0|0	Cs2g19140.1/Cs2g191	5.4	0	0	2	MASCOT	T		
4.23E-02	0|0	Cs2g19140.1	4.14	0	0	2	MASCOT	T	PLEX8	
9.57E-03	0|0	Cs2g19140.1	4.14	0	0	2	MASCOT	T	PLEX8	
4.74E-04	0|0	Cs2g19140.1	4.14	0	0	2	MASCOT	T	PLEX8	
1.42E-04	0|0	Cs2g19140.1	4.14	0	0	2	MASCOT	T	PLEX8	
9.00E-05	0|0	Cs2g19140.1	4.14	0	0	2	MASCOT	T	PLEX8	
1.06E-02	0|0	Cs2g19140.1/Cs2g191	10.84	0	0	2	MASCOT	T	PLEX8	
1.88E-01	0|0	Cs2g19140.1/Cs2g191	10.84	0	0	2	MASCOT	T	PLEX8	
3.36E-03	0|0	Cs2g19140.1/Cs2g191	5.66	0	0	2	MASCOT	T	PLEX8	
7.28E-03	0|0	Cs2g19140.1/Cs2g191	5.66	0	0	2	MASCOT	T	PLEX8	
2.23E-01	0|0	Cs2g19140.1/Cs2g191	5.66	0	0	2	MASCOT	T	PLEX8	
2.15E-03	0|0	Cs2g19140.1/Cs2g191	5.66	0	0	2	MASCOT	T	PLEX8	
1.08E-03	0|0	Cs2g19140.1/Cs2g191	5.66	0	0	2	MASCOT	T	PLEX8	
5.51E-02	0|0	Cs2g19140.1/Cs2g191	5.66	0	0	2	MASCOT	T	PLEX8	
3.26E-02	0|0	Cs2g19140.1/Cs2g191	5.66	0	0	2	MASCOT	T	PLEX8	
1.93E-01	0|0	Cs2g19140.1/Cs2g191	5.66	0	0	2	MASCOT	T	PLEX8	
7.57E-02	0|0	Cs2g19140.1/Cs2g191	5.66	0	0	2	MASCOT	T		
6.86E-02	0|0	Cs2g19140.1/Cs2g191	5.66	0	0	2	MASCOT	T	PLEX8	
2.57E-02	0|0	Cs2g19140.1/Cs2g191	5.66	0	0	2	MASCOT	T	PLEX8	
1.58E-01	0|0	Cs2g19140.1/Cs2g191	5.66	0	0	2	MASCOT	T	PLEX8	

1.18E-02 0|0	Cs5g05440.1	4.14	0	15.9	0	2	MASCOT	T	PLEX8
6.22E-03 0|0	Cs5g05440.1	4.14	0	15.9	0	2	MASCOT	T	PLEX8
6.63E-03 0|0	Cs5g05440.1	4.14	0	15.9	0	2	MASCOT	T	PLEX8
1.67E-01 0|0	Cs5g05440.1	4.14	0	15.9	0	2	MASCOT	T	PLEX8
1.24E-01 0|0	Cs5g05440.1	4.14	0	15.9	0	2	MASCOT	T	PLEX8
3.38E-01 0|0	Cs5g05440.1	4.14	0	15.9	0	2	MASCOT	T	PLEX8
1.58E-02 0|0	Cs5g05440.1	4.14	0		0	2	MASCOT	T	PLEX8
2.00E-02 0|0	Cs5g05440.1	4.14	0		0	2	MASCOT	T	PLEX8
6.75E-04 0|0	Cs5g05440.1	4.14	0		0	2	MASCOT	T	PLEX8
2.18E-03 0|0	Cs5g05440.1	4.14	0		0	2	MASCOT	T	PLEX8
1.52E-03 0|0	Cs5g05440.1	4.14	0		0	2	MASCOT	T	PLEX8
4.23E-01 0|0	Cs5g05440.1	4.14	0		0	2	MASCOT	T	PLEX8
2.88E-02 0|0	Cs5g05440.1	4.14	0		0	2	MASCOT	T	PLEX8
1.50E-03 0|0	Cs5g05440.1	4.14	0		0	2	MASCOT	T	PLEX8
6.01E-02 0|0	Cs5g05440.1	4.14	0		0	2	MASCOT	T	PLEX8
2.68E-01 0|0	Cs5g05440.1/Cs5g054	4.21	0		0	2	MASCOT	T	PLEX8
2.10E-04 0|0	Cs5g05440.1/Cs5g054	4.21	0		0	2	MASCOT	T	PLEX8
2.18E-01 0|0	Cs5g05440.1/Cs5g054	6.85	0		0	2	MASCOT	T	PLEX8
6.29E-02 0|0	Cs5g05440.1/Cs5g054	6.85	0		0	2	MASCOT	T	PLEX8
5.02E-02 0|0	Cs5g05440.1/Cs5g054	6.85	0		0	2	MASCOT	T	
1.50E-04 0|0	Cs5g05440.1/Cs5g054	6.85	0		0	2	MASCOT	T	PLEX8
1.60E-01 0|0	Cs5g05440.1/Cs5g054	6.85	0		0	2	MASCOT	T	
7.61E-02 0|0	Cs5g05440.1/Cs5g054	6.85	0		0	2	MASCOT	T	
1.12E-01 0|0	Cs5g05440.1/Cs5g054	6.85	0		0	2	MASCOT	T	
5.16E-03 0|0	Cs5g05440.1/Cs5g054	6.85	0		0	2	MASCOT	T	
2.14E-04 0|0	Cs5g05440.1/Cs5g054	6.85	0		0	2	MASCOT	T	
2.64E-01 0|0	Cs5g05440.1/Cs5g054	6.85	0		0	2	MASCOT	T	
8.82E-02 0|0	Cs5g05440.1/Cs5g054	8.76	0		0	2	MASCOT	T	
2.34E-01 0|0	Cs5g05440.1	5.84	0		0	2	MASCOT	T	PLEX8
2.85E-01 0|0	Cs5g05440.1	5.84	0		0	2	MASCOT	T	PLEX8
1.57E-02 0|0	Cs5g05440.1	5.84	0		0	2	MASCOT	T	
1.41E-01 0|0	Cs5g05440.1	5.84	0		0	2	MASCOT	T	
1.09E-01 0|0	Cs5g05440.1	5.84	0		0	2	MASCOT	T	PLEX8
1.05E-01 0|0	Cs5g05440.1	5.84	0		0	2	MASCOT	T	PLEX8
3.30E-01 0|0	Cs5g05440.1/Cs5g054	5.84	0		0	2	MASCOT	T	PLEX8
1.50E-02 0|0	Cs5g05440.1/Cs5g054	5.84	0		0	2	MASCOT	T	PLEX8
1.98E-04 0|0	Cs5g05440.1/Cs5g054	5.84	0		0	2	MASCOT	T	PLEX8
8.60E-03 0|0	Cs5g05440.1/Cs5g054	5.84	0		0	2	MASCOT	T	PLEX8
2.79E-02 0|0	Cs5g05440.1/Cs5g054	5.84	0		0	2	MASCOT	T	PLEX8
7.96E-02 0|0	Cs5g05440.1	5.84	0		0	2	MASCOT	T	PLEX8
2.16E-01 0|0	Cs5g05440.1	5.84	0		0	2	MASCOT	T	PLEX8
7.81E-02 0|0	Cs5g05440.1	5.84	0		0	2	MASCOT	T	PLEX8
1.46E-05 0|0	Cs5g05440.1	5.84	0		0	2	MASCOT	T	PLEX8
6.61E-04 0|0	Cs5g05440.1	5.84	0		0	2	MASCOT	T	PLEX8
4.26E-03 0|0	Cs5g05440.1	5.84	0		0	2	MASCOT	T	PLEX8
3.26E-02 0|0	Cs5g05440.1	5.84	0		0	2	MASCOT	T	PLEX8
1.98E-01 0|0	Cs5g05440.1	5.84	0		0	2	MASCOT	T	
8.20E-02 0|0	Cs5g05440.1/Cs5g054	4.37	0		0	2	MASCOT	T	PLEX8
3.56E-01 0|0	Cs5g05440.1/Cs5g054	4.37	0		0	2	MASCOT	T	PLEX8
1.47E-01 0|0	Cs5g05440.1/Cs5g054	4.37	0		0	2	MASCOT	T	PLEX8
6.65E-04 0|0	Cs5g05440.1/Cs5g054	4.37	0		0	2	MASCOT	T	PLEX8

1.21E-04	0|0	Cs5g05440.1	8.59	0	0	2	MASCOT	T	
2.34E-02	0|0	Cs5g05440.1	8.59	0	0	2	MASCOT	T	
1.06E-03	0|0	Cs5g05440.1	8.59	0	0	2	MASCOT	T	PLEX8
3.96E-02	0|0	Cs5g05440.1/Cs5g054	6.05	0	15.9	0	2	MASCOT	T PLEX8
1.51E-01	0|0	Cs5g05440.1/Cs5g054	6.05	0	15.9	0	2	MASCOT	T PLEX8
5.49E-03	0|0	Cs5g05440.1/Cs5g054	6.05	0	15.9	0	2	MASCOT	T PLEX8
2.87E-02	0|0	Cs5g05440.1/Cs5g054	6.05	0	15.9	0	2	MASCOT	T PLEX8
1.27E-03	0|0	Cs5g05440.1/Cs5g054	6.05	0	15.9	0	2	MASCOT	T PLEX8
2.21E-02	0|0	Cs5g05440.1/Cs5g054	6.05	0	15.9	0	2	MASCOT	T PLEX8
3.26E-01	0|0	Cs5g05440.1/Cs5g054	6.05	0	15.9	0	2	MASCOT	T PLEX8
5.17E-02	0|0	Cs5g05440.1/Cs5g054	6.05	0	0	0	2	MASCOT	T PLEX8
1.28E-08	0|0	Cs5g05440.1/Cs5g054	6.05	0	0	0	2	MASCOT	T PLEX8
4.38E-03	0|0	Cs5g05440.1/Cs5g054	6.05	0	0	0	2	MASCOT	T PLEX8
7.87E-02	0|0	Cs5g05440.1/Cs5g054	6.05	0	0	0	2	MASCOT	T PLEX8
6.13E-03	0|0	Cs5g05440.1/Cs5g054	6.05	0	0	0	2	MASCOT	T PLEX8
6.32E-03	0|0	Cs5g05440.1/Cs5g054	6.05	0	0	0	2	MASCOT	T PLEX8
4.98E-02	0|0	Cs5g05440.1/Cs5g054	6.05	0	0	0	2	MASCOT	T PLEX8
1.39E-01	0|0	Cs5g05440.1/Cs5g054	6.05	0	0	0	2	MASCOT	T PLEX8
8.41E-02	0|0	Cs5g05440.1/Cs5g054	6.05	0	0	0	2	MASCOT	T PLEX8
1.16E-01	0|0	Cs5g05440.1/Cs5g054	6.05	0	0	0	2	MASCOT	T
4.45E-02	0|0	Cs5g05440.1/Cs5g054	6.05	0	0	0	2	MASCOT	T PLEX8
2.84E-01	0|0	Cs5g05440.1/Cs5g054	6.05	0	0	0	2	MASCOT	T PLEX8
4.06E-03	0|0	Cs5g05440.1	6.1	0	0	0	2	MASCOT	T PLEX8
8.17E-03	0|0	Cs5g05440.1	6.1	0	0	0	2	MASCOT	T PLEX8
2.93E-04	0|0	Cs5g05440.1	6.1	0	0	0	2	MASCOT	T PLEX8
9.37E-03	0|0	Cs5g05440.1	6.1	0	0	0	2	MASCOT	T PLEX8
1.98E-01	0|0	Cs5g05440.1	6.1	0	0	0	2	MASCOT	T PLEX8
9.88E-02	0|0	Cs5g05440.1/Cs5g054	9.75	0	0	0	2	MASCOT	T PLEX8
1.93E-05	0|0	Cs5g05440.1/Cs5g054	9.75	0	0	0	2	MASCOT	T PLEX8
1.35E-02	0|0	Cs5g05440.1/Cs5g054	5.99	0	0	0	2	MASCOT	T PLEX8
2.14E-02	0|0	Cs5g05440.1/Cs5g054	4.14	0	0	0	2	MASCOT	T PLEX8
1.31E-01	0|0	Cs5g05440.1/Cs5g054	4.14	0	0	0	2	MASCOT	T PLEX8
9.37E-03	0|0	Cs5g05440.1/Cs5g054	4.14	0	0	0	2	MASCOT	T PLEX8
1.79E-02	0|0	Cs5g05440.1/Cs5g054	4.14	0	0	0	2	MASCOT	T PLEX8
5.11E-03	0|0	Cs5g05440.1/Cs5g054	4.14	0	0	0	2	MASCOT	T PLEX8
4.11E-03	0|0	Cs5g05440.1/Cs5g054	4.14	0	0	0	2	MASCOT	T PLEX8
1.33E-02	0|0	Cs5g05440.1/Cs5g054	4.14	0	0	0	2	MASCOT	T PLEX8
4.77E-02	0|0	Cs5g05440.1/Cs5g054	4.14	0	0	0	2	MASCOT	T PLEX8
1.28E-02	0|0	Cs5g05440.1/Cs5g054	4.14	0	0	0	2	MASCOT	T PLEX8
2.67E-02	0|0	Cs5g05440.1/Cs5g054	4.14	0	0	0	2	MASCOT	T
3.61E-02	0|0	Cs5g05440.1/Cs5g054	4.14	0	0	0	2	MASCOT	T PLEX8
1.72E-01	0|0	Cs5g05440.1/Cs5g054	4.14	0	0	0	2	MASCOT	T PLEX8
6.47E-03	0|0	Cs5g05440.1/Cs5g054	4.14	0	0	0	2	MASCOT	T PLEX8
4.52E-03	0|0	Cs5g05440.1/Cs5g054	4.14	0	0	0	2	MASCOT	T PLEX8
1.89E-03	0|0	Cs5g05440.1/Cs5g054	4.14	0	0	0	2	MASCOT	T PLEX8
4.31E-03	0|0	Cs5g05440.1/Cs5g054	4.14	0	0	0	2	MASCOT	T PLEX8
4.35E-03	0|0	Cs5g05440.1/Cs5g054	4.14	0	0	0	2	MASCOT	T PLEX8
3.89E-02	0|0	Cs5g05440.1/Cs5g054	4.14	0	0	0	2	MASCOT	T
8.69E-02	0|0	Cs5g05440.1/Cs5g054	4.14	0	0	0	2	MASCOT	T
4.47E-05	0|0	Cs5g05440.1/Cs5g054	12	1	0	0	2	MASCOT	T PLEX8
1.78E-02	0|0	Cs5g05440.1/Cs5g054	12	1	0	0	2	MASCOT	T

3.79E-04	0|0	Cs5g05440.1/Cs5g054	5.81	0	0	2	MASCOT	T	
5.54E-04	0|0	Cs5g05440.1/Cs5g054	5.81	0	0	2	MASCOT	T	
1.71E-01	0|0	Cs5g07120.1	5.88	0	0	2	MASCOT	T	PLEX8
8.72E-02	0|0	Cs5g07120.1	5.88	0	0	2	MASCOT	T	PLEX8
3.83E-02	0|0	Cs5g07120.1	8.27	0	0	2	MASCOT	T	PLEX8
1.93E-03	0|0	Cs5g07120.1	8.27	0	0	2	MASCOT	T	PLEX8
8.59E-03	0|0	Cs5g07120.1	8.27	0	0	2	MASCOT	T	PLEX8
1.87E-03	0|0	Cs5g07120.1	8.27	0	0	2	MASCOT	T	PLEX8
1.49E-03	0|0	Cs5g07120.1	8.27	0	0	2	MASCOT	T	PLEX8
1.03E-02	0|0	Cs5g07120.1	8.27	0	0	2	MASCOT	T	PLEX8
2.25E-01	0|0	Cs5g07120.1	8.27	0	0	2	MASCOT	T	PLEX8
1.79E-03	0|0	Cs5g07120.1	8.27	0	0	2	MASCOT	T	PLEX8
9.07E-03	0|0	Cs5g07120.1	8.27	0	0	2	MASCOT	T	PLEX8
2.98E-01	0|0	Cs5g07120.1	8.27	0	0	2	MASCOT	T	PLEX8
6.05E-02	0|0	Cs5g07120.1	8.27	0	0	2	MASCOT	T	PLEX8
8.28E-03	0|0	Cs5g07120.1	8.27	0	0	2	MASCOT	T	
6.19E-02	0|0	Cs5g07120.1	8.27	0	0	2	MASCOT	T	
4.28E-01	0|0	Cs5g07120.1	5.84	0	0	2	MASCOT	T	PLEX8
2.69E-01	0|0	Cs5g07120.1	5.84	0	0	2	MASCOT	T	PLEX8
2.55E-01	0|0	Cs5g07120.1	5.84	0	0	2	MASCOT	T	
4.80E-03	0|0	Cs5g07120.1	4	0	0	2	MASCOT	T	PLEX8
2.29E-02	0|0	Cs5g07120.1	4	0	0	2	MASCOT	T	PLEX8
4.07E-01	0|0	Cs5g07120.1	4	0	0	2	MASCOT	T	PLEX8
1.77E-01	0|0	Cs5g07120.1	4	0	0	2	MASCOT	T	PLEX8
2.88E-02	0|0	Cs5g07120.1	4	0	0	2	MASCOT	T	PLEX8
2.08E-01	0|0	Cs5g07120.1	4	0	0	2	MASCOT	T	PLEX8
2.56E-01	0|0	Cs5g07120.1	4	0	0	2	MASCOT	T	
4.95E-02	0|0	Cs5g07120.1	9.75	0	0	2	MASCOT	T	PLEX8
4.85E-02	0|0	Cs5g07120.1	9.75	0	0	2	MASCOT	T	
1.11E-03	0|0	Cs5g07120.1	9.75	0	0	2	MASCOT	T	PLEX8
4.49E-02	0|0	Cs5g07120.1	9.75	0	0	2	MASCOT	T	PLEX8
1.06E-02	0|0	Cs5g07120.1	9.75	0	0	2	MASCOT	T	PLEX8
5.44E-02	0|0	Cs5g07120.1	8.76	0	0	2	MASCOT	T	PLEX8
1.52E-01	0|0	Cs5g07120.1	8.76	0	0	2	MASCOT	T	PLEX8
2.53E-02	0|0	Cs5g07120.1	8.76	0	0	2	MASCOT	T	PLEX8
1.24E-01	0|0	Cs5g07120.1	4.53	0	0	2	MASCOT	T	
1.19E-01	0|0	Cs5g07120.1	8.41	0	0	2	MASCOT	T	PLEX8
1.37E-03	0|0	Cs5g07120.1	8.41	0	0	2	MASCOT	T	PLEX8
1.98E-01	0|0	Cs5g07120.1	8.41	0	0	2	MASCOT	T	PLEX8
3.83E-02	0|0	Cs5g07120.1	8.41	0	0	2	MASCOT	T	PLEX8
3.53E-03	0|0	Cs5g07120.1	8.41	0	0	2	MASCOT	T	PLEX8
2.07E-01	0|0	Cs5g07120.1	6	0	0	2	MASCOT	T	PLEX8
6.33E-02	0|0	Cs5g07120.1	6.05	0	0	2	MASCOT	T	PLEX8
1.53E-01	0|0	Cs5g07120.1	6.05	0	0	2	MASCOT	T	
9.93E-02	0|0	Cs5g07120.1	6.05	0	0	2	MASCOT	T	PLEX8
7.65E-02	0|0	Cs5g07120.1	6.05	0	0	2	MASCOT	T	
3.13E-02	0|0	Cs5g07120.1	4.14	0	0	2	MASCOT	T	PLEX8
1.11E-02	0|0	Cs5g07120.1	4.14	0	0	2	MASCOT	T	PLEX8
6.24E-02	0|0	Cs5g07120.1	4.14	0	0	2	MASCOT	T	PLEX8
2.50E-01	0|0	Cs5g07120.1	4.14	0	0	2	MASCOT	T	PLEX8
2.61E-02	0|0	Cs5g07120.1	4.14	0	0	2	MASCOT	T	PLEX8

1.04E-02 0|0	Cs5g07120.1	4.14	0	0	2	MASCOT	T	PLEX8	
4.58E-02 0|0	Cs5g07120.1	4.14	0	0	2	MASCOT	T	PLEX8	
1.49E-01 0|0	Cs5g07120.1	4.14	0	0	2	MASCOT	T	PLEX8	
2.44E-01 0|0	Cs5g07120.1	4.14	0	0	2	MASCOT	T	PLEX8	
2.10E-02 0|0	Cs5g07120.1	4.14	0	0	2	MASCOT	T	PLEX8	
1.09E-03 0|0	Cs5g07120.1	4.14	0	0	2	MASCOT	T		
3.73E-03 0|0	Cs5g07120.1	4.14	0	0	2	MASCOT	T		
1.68E-02 0|0	Cs5g07120.1	4.14	0	15.9	0	2	MASCOT	T	PLEX8
3.15E-01 0|0	Cs5g07120.1	4.14	0	15.9	0	2	MASCOT	T	PLEX8
4.75E-03 0|0	Cs5g07120.1	4.14	0	15.9	0	2	MASCOT	T	PLEX8
9.89E-05 0|0	Cs5g07120.1	4.14	0	0	2	MASCOT	T	PLEX8	
3.28E-03 0|0	Cs5g07120.1	4.14	0	0	2	MASCOT	T	PLEX8	
4.96E-06 0|0	Cs5g07120.1	4.14	0	0	2	MASCOT	T	PLEX8	
2.63E-01 0|0	Cs5g07120.1	4.14	0	0	2	MASCOT	T	PLEX8	
1.31E-02 0|0	Cs5g07120.1	4.14	0	0	2	MASCOT	T	PLEX8	
6.36E-06 0|0	Cs5g07120.1	4.14	0	0	2	MASCOT	T	PLEX8	
1.59E-01 0|0	Cs5g07120.1	4.14	0	0	2	MASCOT	T	PLEX8	
1.63E-02 0|0	Cs5g07120.1	4.14	0	0	2	MASCOT	T		
2.26E-01 0|0	Cs5g07120.1	6.1	0	0	2	MASCOT	T	PLEX8	
1.25E-01 0|0	Cs5g07120.1	4.53	0	0	2	MASCOT	T	PLEX8	
2.01E-01 0|0	Cs5g07120.1	4.53	0	0	2	MASCOT	T	PLEX8	
9.77E-02 0|0	Cs5g07120.1	4.53	0	0	2	MASCOT	T	PLEX8	
3.03E-02 0|0	Cs5g07120.1	4.53	0	0	2	MASCOT	T	PLEX8	
8.68E-02 0|0	Cs5g07120.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.54E-01 0|0	Cs5g07120.1	4.53	0	0	2	MASCOT	T		
3.06E-02 0|0	Cs5g07120.1	5.32	0	0	2	MASCOT	T	PLEX8	
2.89E-01 0|0	Cs5g07120.1	5.32	0	0	2	MASCOT	T	PLEX8	
2.55E-03 0|0	Cs5g07120.1	5.32	0	0	2	MASCOT	T	PLEX8	
6.19E-02 0|0	Cs5g07120.1	5.32	0	0	2	MASCOT	T	PLEX8	
6.47E-02 0|0	Cs5g07120.1	5.32	0	0	2	MASCOT	T	PLEX8	
1.10E-02 0|0	Cs5g07120.1	5.32	0	0	2	MASCOT	T	PLEX8	
2.35E-03 0|0	Cs5g07120.1	5.32	0	0	2	MASCOT	T	PLEX8	
3.88E-03 0|0	Cs5g07120.1	5.32	0	0	2	MASCOT	T		
3.44E-02 0|0	Cs5g07120.1	5.32	0	0	2	MASCOT	T		
4.51E-03 0|0	Cs5g07120.1	5.32	0	0	2	MASCOT	T	PLEX8	
1.33E-01 0|0	Cs5g07120.1	5.32	0	0	2	MASCOT	T	PLEX8	
4.28E-04 0|0	Cs5g07120.1	5.32	0	0	2	MASCOT	T	PLEX8	
4.35E-03 0|0	Cs5g07120.1	5.32	0	0	2	MASCOT	T	PLEX8	
2.57E-04 0|0	Cs5g07120.1	5.32	0	0	2	MASCOT	T	PLEX8	
1.12E-04 0|0	Cs5g07120.1	3.84	0	0	2	MASCOT	T	PLEX8	
6.58E-02 0|0	Cs3g19810.1/Cs3g198	5.84	0	0	2	MASCOT	T	PLEX8	
8.17E-04 0|0	Cs3g19810.1/Cs3g198	5.84	0	0	2	MASCOT	T	PLEX8	
1.60E-01 0|0	Cs3g19810.1/Cs3g198	5.84	0	0	2	MASCOT	T	PLEX8	
6.00E-03 0|0	Cs3g19810.1/Cs3g198	5.32	0	0	2	MASCOT	T	PLEX8	
1.78E-01 0|0	Cs3g19810.1/Cs3g198	5.32	0	0	2	MASCOT	T	PLEX8	
1.03E-02 0|0	Cs3g19810.1/Cs3g198	5.32	0	0	2	MASCOT	T	PLEX8	
6.44E-02 0|0	Cs3g19810.1/Cs3g198	5.32	0	0	2	MASCOT	T		
3.43E-03 0|0	Cs3g19810.1/Cs3g198	5.32	0	0	2	MASCOT	T	PLEX8	
1.70E-03 0|0	Cs3g19810.1/Cs3g198	5.32	0	0	2	MASCOT	T	PLEX8	
2.89E-02 0|0	Cs3g19810.1/Cs3g198	5.32	0	0	2	MASCOT	T		
1.95E-03 0|0	Cs3g19810.1/Cs3g198	5.32	0	0	2	MASCOT	T	PLEX8	

4.26E-03	0|0	Cs3g19810.1/Cs3g198	5.32	0	0	2	MASCOT	T	PLEX8
5.96E-02	0|0	Cs3g19810.1/Cs3g198	5.32	0	0	2	MASCOT	T	PLEX8
1.34E-03	0|0	Cs3g19810.1/Cs3g198	5.32	0	0	2	MASCOT	T	
6.58E-03	0|0	Cs3g19810.1/Cs3g198	5.32	0	0	2	MASCOT	T	
3.30E-01	0|0	Cs3g19810.1/Cs3g198	6.85	0	0	2	MASCOT	T	PLEX8
5.90E-02	0|0	Cs3g19810.1/Cs3g198	6.85	0	0	2	MASCOT	T	PLEX8
1.52E-02	0|0	Cs3g19810.1/Cs3g198	6.85	0	0	2	MASCOT	T	PLEX8
2.77E-01	0|0	Cs3g19810.1/Cs3g198	6.85	0	0	2	MASCOT	T	PLEX8
7.20E-02	0|0	Cs3g19810.1/Cs3g198	6.85	0	0	2	MASCOT	T	PLEX8
1.91E-01	0|0	Cs3g19810.1/Cs3g198	6.85	0	0	2	MASCOT	T	PLEX8
1.76E-02	0|0	Cs3g19810.1/Cs3g198	6.85	0	0	2	MASCOT	T	PLEX8
9.07E-02	0|0	Cs3g19810.1/Cs3g198	6.85	0	0	2	MASCOT	T	PLEX8
1.22E-02	0|0	Cs3g19810.1/Cs3g198	6.85	0	0	2	MASCOT	T	PLEX8
2.24E-01	0|0	Cs3g19810.1/Cs3g198	6.85	0	0	2	MASCOT	T	PLEX8
1.19E-02	0|0	Cs3g19810.1/Cs3g198	6.85	0	0	2	MASCOT	T	PLEX8
2.09E-03	0|0	Cs3g19810.1/Cs3g198	6.85	0	0	2	MASCOT	T	
4.05E-02	0|0	Cs3g19810.1/Cs3g198	6.85	0	0	2	MASCOT	T	
1.29E-01	0|0	Cs1g24640.1 ! Cs3g19	5.84	0	0	2	MASCOT	T	PLEX8
1.76E-01	0|0	Cs1g24640.1 ! Cs3g19	5.84	0	0	2	MASCOT	T	PLEX8
1.67E-01	0|0	Cs1g24640.1 ! Cs3g19	5.84	0	0	2	MASCOT	T	
1.69E-01	0|0	Cs3g19810.1/Cs3g198	8.76	0	0	2	MASCOT	T	PLEX8
3.53E-04	0|0	Cs3g19810.1/Cs3g198	8.76	0	0	2	MASCOT	T	PLEX8
4.85E-02	0|0	Cs3g19810.1/Cs3g198	8.76	0	0	2	MASCOT	T	PLEX8
3.99E-05	0|0	Cs3g19810.1/Cs3g198	8.76	0	0	2	MASCOT	T	PLEX8
5.92E-03	0|0	Cs3g19810.1/Cs3g198	8.76	0	0	2	MASCOT	T	
6.10E-02	0|0	Cs3g19810.1/Cs3g198	8.76	0	0	2	MASCOT	T	PLEX8
2.46E-02	0|0	Cs3g19810.1/Cs3g198	8.76	0	0	2	MASCOT	T	PLEX8
5.74E-05	0|0	Cs3g19810.1/Cs3g198	8.76	0	0	2	MASCOT	T	PLEX8
5.20E-02	0|0	Cs3g19810.1/Cs3g198	8.75	0	0	2	MASCOT	T	PLEX8
1.15E-02	0|0	Cs3g19810.1/Cs3g198	8.75	0	0	2	MASCOT	T	PLEX8
6.45E-02	0|0	Cs3g19810.2	4.53	0	0	2	MASCOT	T	PLEX8
3.46E-02	0|0	Cs3g19810.1/Cs3g198	7.99	0	0	2	MASCOT	T	PLEX8
1.10E-03	0|0	Cs3g19810.1/Cs3g198	7.99	0	0	2	MASCOT	T	PLEX8
2.53E-02	0|0	Cs3g19810.1/Cs3g198	7.99	0	0	2	MASCOT	T	PLEX8
2.19E-03	0|0	Cs3g19810.1/Cs3g198	7.99	0	0	2	MASCOT	T	
1.61E-03	0|0	Cs3g19810.1/Cs3g198	4.14	0	0	2	MASCOT	T	PLEX8
2.45E-03	0|0	Cs3g19810.1/Cs3g198	4.14	0	0	2	MASCOT	T	PLEX8
1.78E-04	0|0	Cs3g19810.1/Cs3g198	4.14	0	0	2	MASCOT	T	PLEX8
5.61E-03	0|0	Cs3g19810.1/Cs3g198	4.14	0	0	2	MASCOT	T	
8.47E-04	0|0	Cs3g19810.1/Cs3g198	4.14	0	0	2	MASCOT	T	PLEX8
1.94E-03	0|0	Cs3g19810.1/Cs3g198	4.14	0	0	2	MASCOT	T	PLEX8
8.65E-04	0|0	Cs3g19810.1/Cs3g198	4.14	0	0	2	MASCOT	T	PLEX8
3.76E-02	0|0	Cs3g19810.1/Cs3g198	4.14	0	0	2	MASCOT	T	
3.75E-03	0|0	Cs3g19810.2	4.14	0	0	2	MASCOT	T	PLEX8
1.51E-01	0|0	Cs3g19810.1/Cs3g198	9.75	0	0	2	MASCOT	T	PLEX8
2.06E-01	0|0	Cs3g19810.1/Cs3g198	5.21	0	0	2	MASCOT	T	PLEX8
1.74E-01	0|0	Cs3g19810.1/Cs3g198	5.21	0	0	2	MASCOT	T	PLEX8
1.66E-02	0|0	Cs3g19810.1/Cs3g198	5.21	0	0	2	MASCOT	T	PLEX8
1.13E-01	0|0	Cs3g19810.1/Cs3g198	6.75	0	0	2	MASCOT	T	PLEX8
1.70E-03	0|0	Cs3g19810.1/Cs3g198	6.75	0	0	2	MASCOT	T	PLEX8
1.10E-01	0|0	Cs3g19810.1/Cs3g198	6.75	0	0	2	MASCOT	T	PLEX8

1.38E-01	0|0	Cs3g19810.1/Cs3g198	6.75	0	0	2	MASCOT	T		
1.67E-01	0|0	Cs3g19810.1/Cs3g198	6.75	0	0	2	MASCOT	T	PLEX8	
1.10E-01	0|0	Cs3g19810.1/Cs3g198	6.75	0	0	2	MASCOT	T	PLEX8	
2.26E-01	0|0	Cs3g19810.1/Cs3g198	6.75	0	0	2	MASCOT	T	PLEX8	
4.63E-03	0|0	Cs3g19810.1/Cs3g198	6.75	0	0	2	MASCOT	T	PLEX8	
2.99E-01	0|0	Cs3g19810.1/Cs3g198	6.75	0	0	2	MASCOT	T	PLEX8	
1.13E-02	0|0	Cs3g19810.1/Cs3g198	6.75	0	0	2	MASCOT	T	PLEX8	
1.04E-01	0|0	Cs3g19810.1/Cs3g198	6.75	0	0	2	MASCOT	T		
1.45E-03	0|0	Cs3g19810.1/Cs3g198	6.75	0	0	2	MASCOT	T		
2.30E-03	0|0	Cs3g19810.1/Cs3g198	6.75	0	0	2	MASCOT	T		
1.47E-06	0|0	Cs3g19810.1/Cs3g198	6.75	0	0	2	MASCOT	T		
1.57E-03	0|0	Cs3g19810.1/Cs3g198	6.51	1	15.9	0	2	MASCOT	T	
2.19E-04	0|0	Cs3g19810.1/Cs3g198	6.51	1	15.9	0	2	MASCOT	T	PLEX8
9.56E-03	0|0	Cs3g19810.1/Cs3g198	6.51	1	15.9	0	2	MASCOT	T	
4.06E-03	0|0	Cs3g19810.1/Cs3g198	6.51	1	0	2	MASCOT	T		
3.50E-04	0|0	Cs3g19810.1/Cs3g198	6.51	1	0	2	MASCOT	T	PLEX8	
8.73E-05	0|0	Cs3g19810.1/Cs3g198	3.96	1	0	2	MASCOT	T	PLEX8	
4.00E-02	0|0	Cs3g19810.1/Cs3g198	3.96	1	0	2	MASCOT	T	PLEX8	
4.75E-02	0|0	Cs3g19810.1/Cs3g198	12	1	0	2	MASCOT	T	PLEX8	
1.31E-02	0|0	Cs3g19810.1/Cs3g198	12	1	0	2	MASCOT	T	PLEX8	
6.24E-03	0|0	Cs3g19810.1/Cs3g198	12	1	0	2	MASCOT	T		
6.92E-05	0|0	Cs3g19810.1/Cs3g198	4.57	1	0	2	MASCOT	T		
6.57E-04	0|0	Cs3g19810.1/Cs3g198	4.57	1	0	2	MASCOT	T	PLEX8	
7.83E-04	0|0	Cs3g19810.1/Cs3g198	4.57	1	0	2	MASCOT	T	PLEX8	
1.68E-03	0|0	Cs3g19810.1/Cs3g198	4.57	1	0	2	MASCOT	T	PLEX8	
1.56E-02	0|0	Cs3g19810.1/Cs3g198	4.57	1	0	2	MASCOT	T		
2.15E-02	0|0	Cs6g10600.1/Cs6g106	4.37	0	0	2	MASCOT	T	PLEX8	
2.48E-01	0|0	Cs6g10600.1/Cs6g106	4.37	0	0	2	MASCOT	T	PLEX8	
1.77E-02	0|0	Cs6g10600.1/Cs6g106	4.11	1	0	2	MASCOT	T	PLEX8	
1.20E-01	0|0	Cs6g10600.1/Cs6g106	5.84	0	0	2	MASCOT	T	PLEX8	
2.07E-02	0|0	Cs6g10600.1/Cs6g106	5.84	0	0	2	MASCOT	T	PLEX8	
8.65E-02	0|0	Cs6g10600.1/Cs6g106	5.84	0	0	2	MASCOT	T		
5.91E-04	0|0	Cs6g10600.1/Cs6g106	4.37	0	0	2	MASCOT	T	PLEX8	
9.55E-02	0|0	Cs6g10600.1/Cs6g106	4.37	0	0	2	MASCOT	T	PLEX8	
1.52E-02	0|0	Cs6g10600.1/Cs6g106	4.37	0	0	2	MASCOT	T	PLEX8	
3.63E-02	0|0	Cs6g10600.1/Cs6g106	4.37	0	0	2	MASCOT	T	PLEX8	
3.53E-01	0|0	Cs6g10600.1/Cs6g106	4.37	0	0	2	MASCOT	T		
4.75E-03	0|0	Cs6g10600.1/Cs6g106	4.37	0	0	2	MASCOT	T	PLEX8	
2.73E-02	0|0	Cs6g10600.1/Cs6g106	5.32	0	0	2	MASCOT	T	PLEX8	
4.20E-02	0|0	Cs6g10600.1/Cs6g106	5.32	0	0	2	MASCOT	T	PLEX8	
2.97E-02	0|0	Cs6g10600.1/Cs6g106	5.32	0	0	2	MASCOT	T	PLEX8	
6.44E-03	0|0	Cs6g10600.1/Cs6g106	5.32	0	0	2	MASCOT	T	PLEX8	
1.12E-01	0|0	Cs6g10600.1/Cs6g106	5.32	0	0	2	MASCOT	T	PLEX8	
2.16E-03	0|0	Cs6g10600.1/Cs6g106	5.32	0	0	2	MASCOT	T		
2.56E-03	0|0	Cs6g10600.1/Cs6g106	5.84	0	0	2	MASCOT	T	PLEX8	
1.46E-02	0|0	Cs6g10600.1/Cs6g106	5.84	0	0	2	MASCOT	T	PLEX8	
6.63E-02	0|0	Cs6g10600.1/Cs6g106	5.84	0	0	2	MASCOT	T	PLEX8	
1.62E-03	0|0	Cs6g10600.1/Cs6g106	5.84	0	0	2	MASCOT	T	PLEX8	
6.21E-02	0|0	Cs6g10600.1/Cs6g106	5.84	0	0	2	MASCOT	T	PLEX8	
1.13E-03	0|0	Cs6g10600.1/Cs6g106	5.84	0	0	2	MASCOT	T	PLEX8	
8.83E-02	0|0	Cs6g10600.1/Cs6g106	4.54	0	15.9	0	2	MASCOT	T	PLEX8

1.19E-02	0|0	Cs6g10600.1/Cs6g106	4.54	0	15.9	0	2	MASCOT	T	PLEX8
1.41E-03	0|0	Cs6g10600.1/Cs6g106	4.54	0		0	2	MASCOT	T	PLEX8
1.49E-03	0|0	Cs6g10600.1/Cs6g106	4.54	0		0	2	MASCOT	T	PLEX8
2.45E-01	0|0	Cs6g10600.1/Cs6g106	4.54	0		0	2	MASCOT	T	
3.69E-02	0|0	Cs6g10600.1/Cs6g106	4.54	0		0	2	MASCOT	T	
4.13E-02	0|0	Cs6g10600.1/Cs6g106	5.21	0	15.9	0	2	MASCOT	T	PLEX8
5.43E-02	0|0	Cs6g10600.1/Cs6g106	5.21	0	15.9	0	2	MASCOT	T	PLEX8
9.70E-05	0|0	Cs6g10600.1/Cs6g106	5.21	0		0	2	MASCOT	T	PLEX8
5.86E-03	0|0	Cs6g10600.1/Cs6g106	5.21	0		0	2	MASCOT	T	PLEX8
7.56E-05	0|0	Cs6g10600.1/Cs6g106	5.32	0		0	2	MASCOT	T	PLEX8
5.10E-05	0|0	Cs6g10600.1/Cs6g106	5.32	0		0	2	MASCOT	T	PLEX8
4.52E-04	0|0	Cs6g10600.1/Cs6g106	5.32	0		0	2	MASCOT	T	PLEX8
1.14E-01	0|0	Cs6g10600.1/Cs6g106	8.75	0		0	2	MASCOT	T	PLEX8
1.06E-01	0|0	Cs6g10600.1/Cs6g106	8.75	0		0	2	MASCOT	T	PLEX8
1.32E-01	0|0	Cs6g10600.1/Cs6g106	8.75	0		0	2	MASCOT	T	PLEX8
4.01E-02	0|0	Cs6g10600.1/Cs6g106	8.75	0		0	2	MASCOT	T	PLEX8
9.06E-03	0|0	Cs6g10600.1/Cs6g106	5.84	0		0	2	MASCOT	T	PLEX8
1.13E-04	0|0	Cs6g10600.1/Cs6g106	5.84	0		0	2	MASCOT	T	PLEX8
5.04E-04	0|0	Cs6g10600.1/Cs6g106	5.84	0		0	2	MASCOT	T	PLEX8
6.80E-02	0|0	Cs6g10600.1/Cs6g106	6.74	0		0	2	MASCOT	T	PLEX8
9.38E-02	0|0	Cs6g10600.1/Cs6g106	6.74	0		0	2	MASCOT	T	PLEX8
1.01E-01	0|0	Cs6g10600.1/Cs6g106	6.74	0		0	2	MASCOT	T	PLEX8
1.20E-01	0|0	Cs6g10600.1/Cs6g106	6.74	0		0	2	MASCOT	T	PLEX8
4.76E-01	0|0	Cs6g10600.1/Cs6g106	8.5	0		0	2	MASCOT	T	PLEX8
1.04E-01	0|0	Cs6g10600.1/Cs6g106	5.66	0		0	2	MASCOT	T	PLEX8
9.79E-02	0|0	Cs6g10600.1/Cs6g106	5.66	0		0	2	MASCOT	T	PLEX8
3.56E-02	0|0	Cs6g10600.1/Cs6g106	5.66	0		0	2	MASCOT	T	PLEX8
2.27E-03	0|0	Cs6g10600.1/Cs6g106	5.66	0		0	2	MASCOT	T	PLEX8
4.44E-04	0|0	Cs6g10600.1/Cs6g106	6.41	0		0	2	MASCOT	T	PLEX8
1.11E-01	0|0	Cs6g10600.1/Cs6g106	6.41	0		0	2	MASCOT	T	PLEX8
1.76E-02	0|0	Cs6g10600.1/Cs6g106	6.41	0		0	2	MASCOT	T	PLEX8
5.57E-04	0|0	Cs6g10600.1/Cs6g106	4.37	0		0	2	MASCOT	T	PLEX8
8.63E-04	0|0	Cs6g10600.1/Cs6g106	4.37	0		0	2	MASCOT	T	PLEX8
2.72E-04	0|0	Cs6g10600.1/Cs6g106	4.37	0		0	2	MASCOT	T	PLEX8
6.11E-04	0|0	Cs6g10600.1/Cs6g106	4.37	0		0	2	MASCOT	T	PLEX8
9.14E-03	0|0	Cs6g10600.1/Cs6g106	4.37	0		0	2	MASCOT	T	PLEX8
8.87E-03	0|0	Cs6g10600.1/Cs6g106	4.37	0		0	2	MASCOT	T	PLEX8
1.87E-02	0|0	Cs6g10600.1/Cs6g106	4.03	0		0	2	MASCOT	T	PLEX8
3.04E-02	0|0	Cs6g10600.1/Cs6g106	4.03	0		0	2	MASCOT	T	PLEX8
3.07E-02	0|0	Cs4g01740.1	4.14	0		0	2	MASCOT	T	PLEX8
9.07E-03	0|0	Cs4g01740.1	4.14	0		0	2	MASCOT	T	PLEX8
8.91E-02	0|0	Cs4g01740.1	8.75	0		0	2	MASCOT	T	PLEX8
8.20E-02	0|0	Cs4g01740.1	8.75	0		0	2	MASCOT	T	PLEX8
7.88E-02	0|0	Cs4g01740.1	8.75	0		0	2	MASCOT	T	PLEX8
1.98E-01	0|0	Cs4g01740.1	8.75	0		0	2	MASCOT	T	PLEX8
1.43E-01	0|0	Cs4g01740.1	8.75	0		0	2	MASCOT	T	PLEX8
2.72E-03	0|0	Cs4g01740.1	4.37	0		0	2	MASCOT	T	PLEX8
2.27E-04	0|0	Cs4g01740.1	4.37	0		0	2	MASCOT	T	PLEX8
6.50E-02	0|0	Cs4g01740.1	4.37	0		0	2	MASCOT	T	PLEX8
1.83E-03	0|0	Cs4g01740.1	5.84	0		0	2	MASCOT	T	PLEX8
3.74E-05	0|0	Cs4g01740.1	5.84	0		0	2	MASCOT	T	PLEX8

3.42E-05	0|0	Cs4g01740.1	5.84	0	0	2	MASCOT	T	PLEX8	
3.58E-03	0|0	Cs4g01740.1	5.84	0	0	2	MASCOT	T	PLEX8	
5.03E-04	0|0	Cs4g01740.1	5.84	0	0	2	MASCOT	T	PLEX8	
9.88E-05	0|0	Cs4g01740.1	5.84	0	0	2	MASCOT	T	PLEX8	
5.04E-02	0|0	Cs4g01740.1	12	1	0	2	MASCOT	T	PLEX8	
8.26E-04	0|0	Cs4g01740.1	5.55	0	15.9	0	2	MASCOT	T	
9.35E-02	0|0	Cs4g01740.1	5.55	0	15.9	0	2	MASCOT	T	
1.07E-01	0|0	Cs4g01740.1	5.55	0	15.9	0	2	MASCOT	T	
8.54E-03	0|0	Cs4g01740.1	5.55	0	15.9	0	2	MASCOT	T	
3.56E-02	0|0	Cs4g01740.1	5.55	0	0	2	MASCOT	T	PLEX8	
1.13E-01	0|0	Cs4g01740.1	5.55	0	0	2	MASCOT	T		
1.81E-02	0|0	Cs4g01740.1	5.55	0	0	2	MASCOT	T		
6.63E-03	0|0	Cs4g01740.1	4.14	0	0	2	MASCOT	T	PLEX8	
1.20E-05	0|0	Cs4g01740.1	4.14	0	0	2	MASCOT	T		
2.26E-04	0|0	Cs4g01740.1	4.14	0	0	2	MASCOT	T		
7.11E-03	0|0	Cs4g01740.1	5.66	0	0	2	MASCOT	T	PLEX8	
1.25E-01	0|0	Cs4g01740.1	4.14	0	0	2	MASCOT	T		
1.28E-01	0|0	Cs4g01740.1	5.32	0	15.9	0	2	MASCOT	T	PLEX8
2.92E-07	0|0	Cs4g01740.1	5.84	0	0	2	MASCOT	T	PLEX8	
2.43E-04	0|0	Cs4g01740.1	5.84	0	0	2	MASCOT	T	PLEX8	
1.04E-05	0|0	Cs4g01740.1	4.25	0	0	2	MASCOT	T		
3.61E-06	0|0	Cs4g01740.1	4.25	0	0	2	MASCOT	T		
1.62E-01	0|0	Cs4g01740.1	8.75	0	0	2	MASCOT	T	PLEX8	
1.99E-03	0|0	Cs4g01740.1	4.21	0	0	2	MASCOT	T		
1.91E-02	0|0	Cs4g01740.1	4.25	0	0	2	MASCOT	T	PLEX8	
1.75E-01	0|0	Cs4g01740.1	5.72	0	0	2	MASCOT	T	PLEX8	
1.20E-03	0|0	Cs4g01740.1	5.72	0	0	2	MASCOT	T	PLEX8	
5.38E-04	0|0	Cs4g01740.1	5.72	0	0	2	MASCOT	T	PLEX8	
1.05E-03	0|0	Cs4g01740.1	5.72	0	0	2	MASCOT	T	PLEX8	
2.38E-02	0|0	Cs4g01740.1	9.72	0	0	2	MASCOT	T	PLEX8	
1.99E-01	0|0	Cs4g01740.1	9.72	0	0	2	MASCOT	T	PLEX8	
2.63E-04	0|0	Cs4g01740.1	9.72	0	0	2	MASCOT	T	PLEX8	
2.75E-02	0|0	Cs4g01740.1	9.72	0	0	2	MASCOT	T		
3.35E-02	0|0	Cs4g01740.1	9.72	0	0	2	MASCOT	T		
3.43E-04	0|0	Cs4g01740.1	9.72	0	0	2	MASCOT	T		
4.99E-02	0|0	Cs2g19440.1/Cs2g194	6.05	0	0	2	MASCOT	T	PLEX8	
1.70E-01	0|0	Cs2g19440.1/Cs2g194	6.05	0	0	2	MASCOT	T	PLEX8	
2.82E-01	0|0	Cs2g19440.1/Cs2g194	4.53	0	0	2	MASCOT	T		
8.52E-02	0|0	Cs2g19440.1/Cs2g194	4.53	0	0	2	MASCOT	T		
1.65E-01	0|0	Cs2g19440.1/Cs2g194	4.53	0	0	2	MASCOT	T		
4.04E-03	0|0	Cs7g11110.1	4.21	0	0	2	MASCOT	T	PLEX8	
1.14E-03	0|0	Cs7g11110.1	4.21	0	0	2	MASCOT	T	PLEX8	
3.18E-01	0|0	Cs7g11110.1	8.75	0	0	2	MASCOT	T	PLEX8	
5.54E-02	0|0	Cs7g11110.1	8.75	0	0	2	MASCOT	T	PLEX8	
4.54E-03	0|0	Cs7g11110.1	6	0	0	2	MASCOT	T		
4.22E-03	0|0	Cs7g11110.1	6	0	0	2	MASCOT	T	PLEX8	
4.92E-03	0|0	Cs7g11110.1	6.75	0	15.9	0	2	MASCOT	T	PLEX8
3.93E-02	0|0	Cs7g11110.1	6.75	0	0	2	MASCOT	T	PLEX8	
4.22E-02	0|0	Cs7g11110.1	4.25	0	0	2	MASCOT	T	PLEX8	
1.03E-02	0|0	Cs7g11110.1	4.54	0	0	2	MASCOT	T	PLEX8	
2.57E-04	0|0	Cs7g11110.1	4.54	0	0	2	MASCOT	T	PLEX8	

1.02E-01	0|0	Cs7g11110.1	4.37	0	0	2	MASCOT	T	PLEX8	
3.53E-02	0|0	Cs7g11110.1	4.37	0	0	2	MASCOT	T	PLEX8	
4.13E-02	0|0	Cs7g11110.1	8.75	0	0	2	MASCOT	T	PLEX8	
1.41E-02	0|0	Cs7g11110.1	8.75	0	0	2	MASCOT	T	PLEX8	
3.86E-02	0|0	Cs7g11110.1	8.75	0	0	2	MASCOT	T		
1.82E-01	0|0	Cs7g11110.1	8.75	0	0	2	MASCOT	T	PLEX8	
1.47E-01	0|0	Cs7g11110.1	8.75	0	0	2	MASCOT	T	PLEX8	
1.40E-01	0|0	Cs7g11110.1	8.75	0	0	2	MASCOT	T	PLEX8	
3.54E-01	0|0	Cs2g19440.1/Cs2g194	6.74	0	0	2	MASCOT	T	PLEX8	
2.36E-01	0|0	Cs2g19440.1/Cs2g194	6.74	0	0	2	MASCOT	T	PLEX8	
2.58E-02	0|0	Cs2g19440.1/Cs2g194	6.74	0	0	2	MASCOT	T	PLEX8	
2.35E-01	0|0	Cs2g19440.1/Cs2g194	6.74	0	0	2	MASCOT	T	PLEX8	
2.45E-02	0|0	Cs2g19440.1/Cs2g194	6.74	0	0	2	MASCOT	T		
3.15E-02	0|0	Cs7g11110.1	4.37	0	0	2	MASCOT	T	PLEX8	
3.75E-03	0|0	Cs7g11110.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.44E-02	0|0	Cs7g11110.1	4.37	0	0	2	MASCOT	T	PLEX8	
6.89E-04	0|0	Cs7g11110.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.04E-02	0|0	Cs7g11110.1	4.37	0	0	2	MASCOT	T	PLEX8	
6.03E-02	0|0	Cs7g11110.1	4.14	0	0	2	MASCOT	T	PLEX8	
6.26E-02	0|0	Cs7g11110.1	4.14	0	0	2	MASCOT	T		
1.32E-03	0|0	Cs7g11110.1	4.14	0	0	2	MASCOT	T		
1.55E-03	0|0	Cs7g11110.1	4.14	0	0	2	MASCOT	T		
5.68E-05	0|0	Cs7g11110.1	4.14	0	0	2	MASCOT	T		
2.31E-03	0|0	Cs7g11110.1	4.14	0	0	2	MASCOT	T		
7.78E-02	0|0	Cs7g11110.1	8.51	0	0	2	MASCOT	T	PLEX8	
6.85E-02	0|0	Cs7g11110.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.95E-01	0|0	Cs2g19440.1/Cs2g194	5.84	0	15.9	0	2	MASCOT	T	PLEX8
1.31E-02	0|0	Cs4g15270.1/Cs4g152	4.53	0	0	2	MASCOT	T	PLEX8	
4.86E-02	0|0	Cs4g15270.1/Cs4g152	4.53	0	0	2	MASCOT	T	PLEX8	
2.33E-02	0|0	Cs4g15270.1/Cs4g152	6.05	0	0	2	MASCOT	T	PLEX8	
1.12E-02	0|0	Cs4g15270.1/Cs4g152	6.74	0	0	2	MASCOT	T		
1.34E-01	0|0	Cs4g15270.1/Cs4g152	6	0	0	2	MASCOT	T	PLEX8	
2.21E-01	0|0	Cs4g15270.1/Cs4g152	6	0	0	2	MASCOT	T	PLEX8	
1.55E-01	0|0	Cs4g15270.1/Cs4g152	6	0	0	2	MASCOT	T	PLEX8	
3.10E-01	0|0	Cs4g15270.1/Cs4g152	6	0	0	2	MASCOT	T	PLEX8	
8.86E-02	0|0	Cs4g15270.1/Cs4g152	8.75	0	0	2	MASCOT	T		
3.21E-02	0|0	Cs5g21755.1 ! Cs4g15	6	0	0	2	MASCOT	T	PLEX8	
2.87E-05	0|0	Cs4g15270.1/Cs4g152	8.75	0	0	2	MASCOT	T	PLEX8	
1.13E-03	0|0	Cs4g15270.1/Cs4g152	6.75	0	0	2	MASCOT	T	PLEX8	
1.84E-04	0|0	Cs4g15270.1/Cs4g152	6.75	0	0	2	MASCOT	T	PLEX8	
3.48E-01	0|0	Cs4g15270.1/Cs4g152	6.75	0	0	2	MASCOT	T	PLEX8	
7.66E-03	0|0	Cs4g15270.1/Cs4g152	4.25	0	0	2	MASCOT	T	PLEX8	
1.19E-03	0|0	Cs4g15270.1/Cs4g152	4.25	0	0	2	MASCOT	T	PLEX8	
2.10E-02	0|0	Cs4g15270.1/Cs4g152	4.25	0	0	2	MASCOT	T	PLEX8	
1.75E-02	0|0	Cs4g15270.1/Cs4g152	4.25	0	0	2	MASCOT	T	PLEX8	
5.65E-03	0|0	Cs4g15270.1/Cs4g152	3.83	0	0	2	MASCOT	T	PLEX8	
3.81E-02	0|0	Cs4g15270.1/Cs4g152	4.25	0	0	2	MASCOT	T	PLEX8	
2.21E-02	0|0	Cs4g15270.1/Cs4g152	4.37	0	0	2	MASCOT	T		
2.09E-01	0|0	Cs4g15270.1/Cs4g152	6.74	0	0	2	MASCOT	T	PLEX8	
5.26E-02	0|0	Cs4g15270.1/Cs4g152	6.74	0	0	2	MASCOT	T		
1.01E-02	0|0	Cs4g15270.1/Cs4g152	6.74	0	0	2	MASCOT	T	PLEX8	

1.91E-03	0|0	Cs4g15270.1/Cs4g152	3.93	0	0	2	MASCOT	T	PLEX8	
9.60E-04	0|0	Cs4g15270.1/Cs4g152	3.93	0	0	2	MASCOT	T	PLEX8	
2.09E-04	0|0	Cs4g15270.1/Cs4g152	3.93	0	0	2	MASCOT	T	PLEX8	
2.37E-01	0|0	Cs4g15270.1/Cs4g152	6	0	0	2	MASCOT	T	PLEX8	
6.01E-05	0|0	Cs4g15270.1/Cs4g152	5.83	0	15.9	0	2	MASCOT	T	
8.36E-03	0|0	Cs4g15270.1/Cs4g152	5.83	0	0	2	MASCOT	T		
1.76E-05	0|0	Cs4g15270.1/Cs4g152	5.83	0	0	2	MASCOT	T		
1.96E-01	0|0	Cs4g15270.1/Cs4g152	4.54	0	15.9	0	2	MASCOT	T	PLEX8
6.87E-02	0|0	Cs4g15270.1/Cs4g152	4.54	0	0	2	MASCOT	T	PLEX8	
5.75E-03	0|0	Cs4g15270.1/Cs4g152	4.54	0	0	2	MASCOT	T	PLEX8	
1.47E-01	0|0	Cs4g15270.1/Cs4g152	4.54	0	0	2	MASCOT	T	PLEX8	
1.40E-03	0|0	Cs5g27000.1/Cs5g270	4.37	0	0	2	MASCOT	T		
2.24E-03	0|0	Cs5g27000.1/Cs5g270	4.37	0	0	2	MASCOT	T		
3.87E-08	0|0	Cs5g27000.1/Cs5g270	4.37	0	0	2	MASCOT	T		
3.68E-05	0|0	Cs5g27000.1/Cs5g270	4.37	0	0	2	MASCOT	T		
7.57E-02	0|0	Cs2g28930.1/Cs2g289	4.37	0	0	2	MASCOT	T	PLEX8	
7.98E-02	0|0	Cs5g27000.1/Cs5g270	8.6	0	0	2	MASCOT	T		
1.61E-01	0|0	Cs5g27000.1/Cs5g270	5.84	0	0	2	MASCOT	T	PLEX8	
5.47E-03	0|0	Cs5g27000.1/Cs5g270	4.25	0	0	2	MASCOT	T	PLEX8	
2.31E-02	0|0	Cs5g27000.1/Cs5g270	4.25	0	0	2	MASCOT	T	PLEX8	
1.65E-02	0|0	Cs5g27000.1/Cs5g270	4.37	0	0	2	MASCOT	T	PLEX8	
4.19E-02	0|0	Cs2g28930.1/Cs2g289	8.47	0	0	2	MASCOT	T	PLEX8	
2.97E-02	0|0	Cs2g28930.1/Cs2g289	8.47	0	0	2	MASCOT	T	PLEX8	
4.78E-02	0|0	Cs2g28930.1/Cs2g289	8.47	0	0	2	MASCOT	T	PLEX8	
1.57E-03	0|0	Cs2g28930.1/Cs2g289	5.97	0	0	2	MASCOT	T	PLEX8	
3.04E-02	0|0	Cs2g28930.1/Cs2g289	5.97	0	0	2	MASCOT	T	PLEX8	
5.10E-03	0|0	Cs2g28930.1/Cs2g289	5.97	0	0	2	MASCOT	T	PLEX8	
1.18E-03	0|0	Cs5g27000.1	6.74	0	0	2	MASCOT	T	PLEX8	
1.03E-05	0|0	Cs5g27000.1	6.74	0	0	2	MASCOT	T	PLEX8	
5.00E-02	0|0	Cs5g27000.1	6.74	0	0	2	MASCOT	T	PLEX8	
7.98E-03	0|0	Cs5g27000.1	6.74	0	0	2	MASCOT	T	PLEX8	
3.16E-06	0|0	Cs5g27000.1	6.74	0	0	2	MASCOT	T	PLEX8	
8.89E-03	0|0	Cs5g27000.1	6.74	0	0	2	MASCOT	T		
8.98E-06	0|0	Cs5g27000.1	6.74	0	0	2	MASCOT	T		
9.63E-03	0|0	Cs2g28930.1/Cs2g289	5.84	0	0	2	MASCOT	T	PLEX8	
4.64E-03	0|0	Cs2g28930.1/Cs2g289	5.84	0	0	2	MASCOT	T		
1.11E-01	0|0	Cs2g28930.1/Cs2g289	9.8	0	0	2	MASCOT	T	PLEX8	
3.20E-01	0|0	Cs2g28930.1/Cs2g289	9.2	0	0	2	MASCOT	T	PLEX8	
2.51E-01	0|0	Cs5g27000.1/Cs5g270	6	0	0	2	MASCOT	T	PLEX8	
8.09E-04	0|0	Cs2g28930.1/Cs2g289	6	0	0	2	MASCOT	T	PLEX8	
8.78E-02	0|0	Cs2g28930.1/Cs2g289	4.14	0	0	2	MASCOT	T		
3.12E-02	0|0	Cs2g28930.1/Cs2g289	8.41	0	0	2	MASCOT	T	PLEX8	
9.37E-02	0|0	Cs9g16530.1	4.37	0	0	2	MASCOT	T	PLEX8	
8.42E-04	0|0	Cs9g16530.1	4.37	0	0	2	MASCOT	T	PLEX8	
2.39E-06	0|0	Cs9g16530.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.33E-01	0|0	Cs9g16530.1	6.1	0	0	2	MASCOT	T	PLEX8	
2.47E-02	0|0	Cs9g16530.1	6.1	0	0	2	MASCOT	T	PLEX8	
8.82E-02	0|0	Cs9g16530.1	6.1	0	0	2	MASCOT	T	PLEX8	
9.00E-02	0|0	Cs9g16530.1	6.1	0	0	2	MASCOT	T	PLEX8	
4.31E-02	0|0	Cs9g16530.1	6.1	0	0	2	MASCOT	T	PLEX8	
4.04E-02	0|0	Cs9g16530.1	6.1	0	0	2	MASCOT	T	PLEX8	

3.09E-02 0|0	Cs9g16530.1	6.1	0	0	2 MASCOT	T
1.68E-01 0|0	Cs9g16530.1	6.1	0	0	2 MASCOT	T
7.94E-02 0|0	Cs9g16530.1	6.1	0	0	2 MASCOT	T
1.93E-01 0|0	Cs9g16530.1	5.84	0 15.9	0	2 MASCOT	T PLEX8
4.43E-02 0|0	Cs9g16530.1	5.84	0 15.9	0	2 MASCOT	T PLEX8
2.14E-02 0|0	Cs9g16530.1	5.84	0 15.9	0	2 MASCOT	T PLEX8
2.29E-02 0|0	Cs9g16530.1	5.84	0 15.9	0	2 MASCOT	T PLEX8
4.68E-05 0|0	Cs9g16530.1	5.84	0	0	2 MASCOT	T PLEX8
1.00E-01 0|0	Cs9g16530.1	5.84	0	0	2 MASCOT	T PLEX8
5.47E-03 0|0	Cs9g16530.1	4.37	0	0	2 MASCOT	T PLEX8
5.08E-02 0|0	Cs9g16530.1	4.37	0	0	2 MASCOT	T PLEX8
1.77E-03 0|0	Cs9g16530.1	4.37	0	0	2 MASCOT	T PLEX8
1.27E-02 0|0	Cs9g16530.1	4.37	0	0	2 MASCOT	T PLEX8
5.17E-02 0|0	Cs9g16530.1	4.37	0	0	2 MASCOT	T PLEX8
7.02E-03 0|0	Cs9g16530.1	4.37	0	0	2 MASCOT	T PLEX8
2.01E-02 0|0	Cs9g16530.1	4.37	0	0	2 MASCOT	T PLEX8
6.86E-05 0|0	Cs9g16530.1	4.37	0	0	2 MASCOT	T PLEX8
1.31E-02 0|0	Cs9g16530.1	4.37	0	0	2 MASCOT	T PLEX8
4.11E-02 0|0	Cs9g16530.1	8.75	0	0	2 MASCOT	T PLEX8
9.13E-02 0|0	Cs9g16530.1	8.75	0	0	2 MASCOT	T PLEX8
5.69E-02 0|0	Cs9g16530.1	6	0	0	2 MASCOT	T PLEX8
3.58E-06 0|0	Cs9g16530.1	6	0	0	2 MASCOT	T PLEX8
3.33E-05 0|0	Cs9g16530.1	6	0	0	2 MASCOT	T PLEX8
3.03E-02 0|0	Cs9g16530.1	6	0	0	2 MASCOT	T PLEX8
1.78E-03 0|0	Cs9g16530.1	6	0	0	2 MASCOT	T PLEX8
6.90E-03 0|0	Cs9g16530.1	6	0	0	2 MASCOT	T PLEX8
1.17E-03 0|0	Cs9g16530.1	6	0	0	2 MASCOT	T PLEX8
1.49E-01 0|0	Cs9g16530.1	6	0	0	2 MASCOT	T PLEX8
2.27E-02 0|0	Cs9g16530.1	6	0	0	2 MASCOT	T PLEX8
6.11E-02 0|0	Cs9g16530.1	6	0	0	2 MASCOT	T PLEX8
3.40E-03 0|0	Cs9g16530.1	5.84	0	0	2 MASCOT	T PLEX8
8.89E-04 0|0	Cs9g16530.1	5.84	0	0	2 MASCOT	T PLEX8
9.94E-03 0|0	Cs9g16530.1	5.84	0	0	2 MASCOT	T PLEX8
4.36E-02 0|0	Cs9g16530.1	5.84	0	0	2 MASCOT	T PLEX8
6.24E-03 0|0	Cs9g16530.1	5.84	0	0	2 MASCOT	T PLEX8
5.32E-03 0|0	Cs9g16530.1	5.84	0	0	2 MASCOT	T PLEX8
1.76E-02 0|0	Cs9g16530.1	5.84	0	0	2 MASCOT	T PLEX8
6.98E-03 0|0	Cs9g16530.1	5.84	0	0	2 MASCOT	T PLEX8
2.02E-01 0|0	Cs9g16530.1	5.84	0	0	2 MASCOT	T PLEX8
7.60E-02 0|0	Cs9g16530.1	5.84	0	0	2 MASCOT	T PLEX8
2.71E-03 0|0	Cs9g16530.1	5.84	0	0	2 MASCOT	T PLEX8
5.00E-02 0|0	Cs9g16530.1	5.84	0	0	2 MASCOT	T PLEX8
1.56E-02 0|0	Cs9g16530.1	5.84	0	0	2 MASCOT	T
2.34E-03 0|0	Cs9g16530.1	5.84	0	0	2 MASCOT	T PLEX8
1.47E-03 0|0	Cs9g16530.1	5.84	0	0	2 MASCOT	T PLEX8
1.65E-01 0|0	Cs9g16530.1	5.84	0	0	2 MASCOT	T PLEX8
1.56E-02 0|0	Cs9g16530.1	5.84	0	0	2 MASCOT	T PLEX8
7.95E-03 0|0	Cs9g16530.1	5.84	0	0	2 MASCOT	T PLEX8
3.68E-03 0|0	Cs9g16530.1	5.84	0	0	2 MASCOT	T PLEX8
4.36E-03 0|0	Cs9g16530.1	5.84	0	0	2 MASCOT	T PLEX8
5.92E-02 0|0	Cs9g16530.1	5.84	0	0	2 MASCOT	T

1.63E-01 0|0	Cs9g16530.1	6	0	0	2 MASCOT	T	
2.04E-05 0|0	Cs9g16530.1	4.65	0	0	2 MASCOT	T	PLEX8
3.80E-03 0|0	Cs9g16530.1	4.65	0	0	2 MASCOT	T	PLEX8
4.59E-05 0|0	Cs9g16530.1	4.65	0	0	2 MASCOT	T	PLEX8
3.15E-05 0|0	Cs9g16530.1	4.65	0	0	2 MASCOT	T	
1.29E-02 0|0	Cs9g16530.1	6.74	0	0	2 MASCOT	T	PLEX8
3.62E-03 0|0	Cs9g16530.1	6.74	0	0	2 MASCOT	T	PLEX8
4.74E-02 0|0	Cs9g16530.1	6.74	0	0	2 MASCOT	T	PLEX8
2.45E-01 0|0	Cs9g16530.1	6.74	0	0	2 MASCOT	T	PLEX8
3.24E-02 0|0	Cs9g16530.1	6.74	0	0	2 MASCOT	T	PLEX8
6.06E-04 0|0	Cs9g16530.1	6.74	0	0	2 MASCOT	T	PLEX8
7.22E-03 0|0	Cs9g16530.1	5.84	0	0	2 MASCOT	T	
2.80E-01 0|0	Cs9g16530.1	4.14	0	0	2 MASCOT	T	PLEX8
1.88E-03 0|0	Cs9g16530.1	4.14	0	0	2 MASCOT	T	PLEX8
4.75E-02 0|0	Cs9g16530.1	4.14	0	0	2 MASCOT	T	PLEX8
1.85E-01 0|0	Cs9g16530.1	4.14	0	0	2 MASCOT	T	PLEX8
2.01E-01 0|0	Cs9g16530.1	4.14	0	0	2 MASCOT	T	PLEX8
8.62E-03 0|0	Cs9g16530.1	4.14	0	0	2 MASCOT	T	PLEX8
1.12E-02 0|0	Cs9g16530.1	4.14	0	0	2 MASCOT	T	
2.04E-02 0|0	Cs9g16530.1	4.14	0	0	2 MASCOT	T	
2.44E-03 0|0	Cs9g16530.1	4.14	0	0	2 MASCOT	T	PLEX8
4.62E-03 0|0	Cs9g16530.1	4.14	0	0	2 MASCOT	T	PLEX8
2.12E-01 0|0	Cs9g16530.1	9.75	0	0	2 MASCOT	T	PLEX8
3.98E-02 0|0	Cs9g16530.1	9.75	0	0	2 MASCOT	T	PLEX8
5.32E-02 0|0	Cs9g16530.1	9.75	0	0	2 MASCOT	T	PLEX8
2.27E-02 0|0	Cs9g16530.1	9.75	0	0	2 MASCOT	T	PLEX8
9.33E-03 0|0	Cs9g16530.1	9.75	0	0	2 MASCOT	T	PLEX8
1.51E-04 0|0	Cs9g16530.1	9.75	0	0	2 MASCOT	T	PLEX8
2.74E-05 0|0	Cs9g16530.1	9.75	0	0	2 MASCOT	T	PLEX8
8.74E-05 0|0	Cs9g16530.1	9.75	0	0	2 MASCOT	T	PLEX8
4.27E-04 0|0	Cs9g16530.1	9.75	0	0	2 MASCOT	T	PLEX8
1.97E-02 0|0	Cs9g16530.1	9.75	0	0	2 MASCOT	T	PLEX8
1.35E-01 0|0	Cs9g16530.1	9.75	0	0	2 MASCOT	T	PLEX8
1.25E-02 0|0	Cs9g16530.1	9.75	0	0	2 MASCOT	T	PLEX8
8.57E-04 0|0	Cs9g16530.1	9.75	0	0	2 MASCOT	T	PLEX8
4.09E-02 0|0	Cs9g16530.1	9.75	0	0	2 MASCOT	T	PLEX8
1.72E-01 0|0	Cs9g16530.1	9.75	0	0	2 MASCOT	T	
5.09E-01 0|0	Cs9g16530.1 ! orange]	8.75	0	0	2 MASCOT	T	PLEX8
7.76E-03 0|0	Cs9g16530.1	5.55	0	0	2 MASCOT	T	PLEX8
1.19E-02 0|0	Cs9g16530.1	5.55	0	0	2 MASCOT	T	PLEX8
5.69E-02 0|0	Cs9g16530.1	5.55	0	0	2 MASCOT	T	PLEX8
4.71E-03 0|0	Cs9g16530.1	3.91	0	0	2 MASCOT	T	PLEX8
1.70E-04 0|0	Cs9g16530.1	3.91	0	0	2 MASCOT	T	PLEX8
7.98E-06 0|0	Cs9g16530.1	3.91	0	0	2 MASCOT	T	PLEX8
3.22E-06 0|0	Cs9g16530.1	3.91	0	0	2 MASCOT	T	PLEX8
4.09E-05 0|0	Cs9g16530.1	3.91	0	0	2 MASCOT	T	PLEX8
1.32E-02 0|0	Cs9g16530.1	3.91	0	0	2 MASCOT	T	PLEX8
1.91E-04 0|0	Cs9g16530.1	3.91	0	0	2 MASCOT	T	PLEX8
1.10E-03 0|0	Cs9g16530.1	3.91	0	0	2 MASCOT	T	
6.91E-06 0|0	Cs9g16530.1	3.91	0	0	2 MASCOT	T	PLEX8
8.40E-05 0|0	Cs9g16530.1	3.91	0	0	2 MASCOT	T	

4.23E-04	0|0	Cs3g18360.1	8.63	0	0	2	MASCOT	T	PLEX8
7.42E-05	0|0	Cs3g18360.1	8.63	0	0	2	MASCOT	T	PLEX8
8.17E-02	0|0	Cs3g18360.1	8.63	0	0	2	MASCOT	T	PLEX8
1.06E-03	0|0	Cs3g18360.1	8.63	0	0	2	MASCOT	T	PLEX8
3.20E-05	0|0	Cs3g18360.1	8.63	0	0	2	MASCOT	T	PLEX8
2.31E-01	0|0	Cs3g18360.1	8.63	0	0	2	MASCOT	T	
3.30E-05	0|0	Cs3g18360.1	8.63	0	0	2	MASCOT	T	PLEX8
9.87E-05	0|0	Cs3g18360.1	8.63	0	0	2	MASCOT	T	PLEX8
1.38E-03	0|0	Cs3g18360.1	8.63	0	0	2	MASCOT	T	PLEX8
3.05E-04	0|0	Cs3g18360.1	8.63	0	0	2	MASCOT	T	PLEX8
2.54E-02	0|0	Cs3g18360.1	8.63	0	0	2	MASCOT	T	
3.65E-04	0|0	Cs3g18360.1	8.63	0	0	2	MASCOT	T	
3.82E-02	0|0	Cs3g18360.1	4.03	0	0	2	MASCOT	T	PLEX8
1.66E-03	0|0	Cs3g18360.1	4.03	0	0	2	MASCOT	T	PLEX8
6.65E-02	0|0	Cs3g18360.1	4.03	0	0	2	MASCOT	T	PLEX8
3.34E-02	0|0	Cs3g18360.1	4.03	0	0	2	MASCOT	T	PLEX8
3.04E-03	0|0	Cs3g18360.1	4.03	0	0	2	MASCOT	T	
9.49E-02	0|0	Cs3g18360.1/Cs7g231	4.14	0	0	2	MASCOT	T	PLEX8
8.24E-02	0|0	Cs3g18360.1/Cs7g231	4.14	0	0	2	MASCOT	T	PLEX8
9.84E-02	0|0	Cs3g18360.1/Cs7g231	4.14	0	0	2	MASCOT	T	PLEX8
3.50E-02	0|0	Cs3g18360.1	8.75	0	0	2	MASCOT	T	
5.30E-04	0|0	Cs3g18360.1	8.75	0	0	2	MASCOT	T	
1.12E-01	0|0	Cs3g18360.1	8.75	0	0	2	MASCOT	T	
2.12E-02	0|0	Cs3g18360.1	3.71	0	0	2	MASCOT	T	
4.59E-02	0|0	Cs1g01540.1 ! Cs3g18	8.75	0	0	2	MASCOT	T	PLEX8
2.63E-01	0|0	Cs1g01540.1 ! Cs3g18	8.75	0	0	2	MASCOT	T	
5.65E-02	0|0	Cs3g18360.1	4.37	0	0	2	MASCOT	T	PLEX8
4.67E-03	0|0	Cs3g18360.1	4.37	0	0	2	MASCOT	T	PLEX8
2.92E-03	0|0	Cs3g18360.1	4.37	0	0	2	MASCOT	T	PLEX8
2.08E-02	0|0	Cs3g18360.1	4.37	0	0	2	MASCOT	T	PLEX8
5.00E-02	0|0	Cs3g18360.1	4.37	0	0	2	MASCOT	T	PLEX8
8.18E-04	0|0	Cs3g18360.1	4.37	0	0	2	MASCOT	T	
4.03E-03	0|0	Cs3g18360.1	4.37	0	0	2	MASCOT	T	
3.64E-02	0|0	Cs3g18360.1	4.32	1	0	2	MASCOT	T	PLEX8
2.28E-02	0|0	Cs3g18360.1	4.31	0	0	2	MASCOT	T	PLEX8
2.56E-03	0|0	Cs3g18360.1	4.31	0	0	2	MASCOT	T	PLEX8
5.04E-03	0|0	Cs3g18360.1	4.31	0	0	2	MASCOT	T	PLEX8
1.26E-02	0|0	Cs3g18360.1	4.31	0	0	2	MASCOT	T	PLEX8
8.88E-03	0|0	Cs3g18360.1	4.31	0	0	2	MASCOT	T	PLEX8
5.00E-02	0|0	Cs3g18360.1	4.31	0	0	2	MASCOT	T	PLEX8
3.13E-01	0|0	Cs3g18360.1	4.37	0	0	2	MASCOT	T	PLEX8
2.32E-01	0|0	Cs3g18360.1	4.37	0	0	2	MASCOT	T	PLEX8
4.64E-01	0|0	Cs3g18360.1	4.37	0	0	2	MASCOT	T	
5.34E-03	0|0	Cs3g18360.1/Cs7g231	4.37	0	0	2	MASCOT	T	PLEX8
2.96E-02	0|0	Cs3g18360.1/Cs7g231	4.37	0	0	2	MASCOT	T	PLEX8
1.13E-01	0|0	Cs3g18360.1/Cs7g231	4.37	0	0	2	MASCOT	T	PLEX8
6.33E-03	0|0	Cs3g18360.1/Cs7g231	4.37	0	0	2	MASCOT	T	PLEX8
2.89E-03	0|0	Cs3g18360.1/Cs7g231	4.37	0	0	2	MASCOT	T	PLEX8
1.21E-02	0|0	Cs3g18360.1/Cs7g231	4.37	0	0	2	MASCOT	T	PLEX8
2.94E-02	0|0	Cs3g18360.1/Cs7g231	4.37	0	0	2	MASCOT	T	PLEX8
3.41E-03	0|0	Cs3g18360.1/Cs7g231	4.37	0	0	2	MASCOT	T	PLEX8

4.67E-01	0|0	Cs3g18360.1/Cs7g231	4.37	0	0	2	MASCOT	T	PLEX8	
7.11E-02	0|0	Cs3g18360.1/Cs7g231	4.37	0	0	2	MASCOT	T	PLEX8	
5.82E-03	0|0	Cs3g18360.1/Cs7g231	4.37	0	0	2	MASCOT	T	PLEX8	
3.19E-01	0|0	Cs3g18360.1/Cs7g231	4.37	0	0	2	MASCOT	T	PLEX8	
1.28E-02	0|0	Cs3g18360.1/Cs7g231	4.37	0	0	2	MASCOT	T	PLEX8	
1.06E-02	0|0	Cs3g18360.1/Cs7g231	4.37	0	0	2	MASCOT	T	PLEX8	
3.48E-02	0|0	Cs3g18360.1/Cs7g231	4.37	0	0	2	MASCOT	T	PLEX8	
2.92E-02	0|0	Cs3g18360.1/Cs7g231	4.37	0	0	2	MASCOT	T	PLEX8	
1.05E-02	0|0	Cs3g18360.1/Cs7g231	4.37	0	0	2	MASCOT	T	PLEX8	
2.02E-01	0|0	Cs1g01540.1 ! Cs3g18	5.06	0	15.9	0	2	MASCOT	T	PLEX8
1.93E-01	0|0	Cs1g01540.1 ! Cs3g18	5.06	0	15.9	0	2	MASCOT	T	
1.08E-01	0|0	Cs1g01540.1 ! Cs3g18	5.06	0	15.9	0	2	MASCOT	T	
1.60E-03	0|0	Cs1g01540.1 ! Cs3g18	5.06	0	0	2	MASCOT	T		
9.90E-06	0|0	Cs3g18360.1	4.03	0	0	2	MASCOT	T	PLEX8	
1.08E-05	0|0	Cs3g18360.1	4.03	0	0	2	MASCOT	T	PLEX8	
7.32E-02	0|0	Cs3g18360.1	4.03	0	0	2	MASCOT	T	PLEX8	
1.87E-03	0|0	Cs3g18360.1	4.03	0	0	2	MASCOT	T	PLEX8	
9.05E-02	0|0	Cs3g18360.1	4.03	0	0	2	MASCOT	T	PLEX8	
8.28E-03	0|0	Cs3g18360.1	9.6	1	0	2	MASCOT	T		
1.76E-01	0|0	Cs3g18360.1	4.14	0	0	2	MASCOT	T		
1.40E-02	0|0	Cs3g18360.1	4.14	0	0	2	MASCOT	T	PLEX8	
1.36E-01	0|0	Cs3g18360.1	4.14	0	0	2	MASCOT	T	PLEX8	
2.26E-03	0|0	Cs3g18360.1	4.14	0	0	2	MASCOT	T	PLEX8	
2.19E-02	0|0	Cs5g35290.1	6.05	0	0	2	MASCOT	T	PLEX8	
4.38E-03	0|0	Cs5g35290.1	4.53	0	0	2	MASCOT	T	PLEX8	
2.24E-02	0|0	Cs5g35290.1	4.53	0	0	2	MASCOT	T	PLEX8	
3.11E-01	0|0	Cs5g35290.1	4.53	0	0	2	MASCOT	T		
1.06E-01	0|0	Cs5g35290.1	4.54	0	0	2	MASCOT	T	PLEX8	
2.67E-02	0|0	Cs5g35290.1	4.54	0	0	2	MASCOT	T	PLEX8	
8.28E-02	0|0	Cs5g35290.1	4.54	0	0	2	MASCOT	T		
1.47E-02	0|0	Cs5g35290.1	4.54	0	0	2	MASCOT	T		
4.02E-01	0|0	Cs5g35290.1	4.54	0	0	2	MASCOT	T	PLEX8	
4.61E-02	0|0	Cs5g35290.1	4.54	0	0	2	MASCOT	T		
2.30E-01	0|0	Cs5g35290.1	4.54	0	0	2	MASCOT	T		
1.30E-01	0|0	Cs5g35290.1	4.54	0	0	2	MASCOT	T		
6.50E-03	0|0	Cs5g35290.1	4.54	0	0	2	MASCOT	T	PLEX8	
1.16E-01	0|0	Cs5g35290.1	4.54	0	0	2	MASCOT	T		
2.42E-02	0|0	Cs5g35290.1	4.54	0	0	2	MASCOT	T		
4.02E-02	0|0	Cs5g35290.1	4.54	0	0	2	MASCOT	T	PLEX8	
1.64E-03	0|0	Cs5g35290.1	4.54	0	0	2	MASCOT	T		
1.09E-03	0|0	Cs5g35290.1	4.54	0	0	2	MASCOT	T	PLEX8	
2.51E-02	0|0	Cs5g35290.1	4.54	0	0	2	MASCOT	T		
4.62E-02	0|0	Cs5g35290.1	4.54	0	0	2	MASCOT	T		
7.75E-03	0|0	Cs5g35290.1	4.54	0	0	2	MASCOT	T		
6.56E-02	0|0	Cs5g35290.1	4.54	0	0	2	MASCOT	T		
3.89E-01	0|0	Cs5g35290.1	6.75	0	0	2	MASCOT	T	PLEX8	
3.14E-02	0|0	Cs5g35290.1	6	0	0	2	MASCOT	T	PLEX8	
1.08E-01	0|0	Cs5g35290.1	6	0	0	2	MASCOT	T	PLEX8	
9.78E-02	0|0	Cs5g35290.1	6	0	0	2	MASCOT	T	PLEX8	
1.13E-01	0|0	Cs5g35290.1	6	0	0	2	MASCOT	T	PLEX8	
1.77E-02	0|0	Cs5g35290.1	5.84	0	0	2	MASCOT	T	PLEX8	

4.91E-03	0|0	Cs5g35290.1	5.84	0	0	2	MASCOT	T	PLEX8	
6.80E-03	0|0	Cs5g35290.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.94E-01	0|0	Cs5g35290.1	4.53	0	0	2	MASCOT	T		
6.17E-03	0|0	Cs5g35290.1	4.53	0	0	2	MASCOT	T		
7.47E-03	0|0	Cs5g35290.1	4.53	0	0	2	MASCOT	T		
3.87E-02	0|0	Cs5g35290.1	4.37	0	0	2	MASCOT	T	PLEX8	
2.96E-01	0|0	Cs5g35290.1	4.14	0	0	2	MASCOT	T	PLEX8	
2.79E-04	0|0	Cs5g35290.1	4.14	0	0	2	MASCOT	T	PLEX8	
6.06E-04	0|0	Cs5g35290.1	4.14	0	0	2	MASCOT	T	PLEX8	
2.29E-03	0|0	Cs5g35290.1	4.14	0	0	2	MASCOT	T	PLEX8	
7.21E-03	0|0	Cs5g35290.1	4.14	0	0	2	MASCOT	T	PLEX8	
3.32E-01	0|0	Cs5g35290.1	8.72	0	0	2	MASCOT	T	PLEX8	
2.84E-02	0|0	Cs5g35290.1	8.72	0	0	2	MASCOT	T	PLEX8	
3.22E-01	0|0	Cs5g35290.1	8.72	0	0	2	MASCOT	T		
6.33E-03	0|0	Cs5g35290.1	8.72	0	0	2	MASCOT	T	PLEX8	
8.96E-03	0|0	Cs5g35290.1	8.72	0	0	2	MASCOT	T	PLEX8	
1.91E-02	0|0	Cs5g35290.1	4.37	0	15.9	0	2	MASCOT	T	PLEX8
3.38E-02	0|0	Cs5g35290.1	4.37	0	15.9	0	2	MASCOT	T	PLEX8
1.45E-02	0|0	Cs5g35290.1	4.37	0	15.9	0	2	MASCOT	T	PLEX8
4.52E-04	0|0	Cs5g35290.1	4.37	0	15.9	0	2	MASCOT	T	PLEX8
1.31E-02	0|0	Cs5g35290.1	4.37	0	0	2	MASCOT	T	PLEX8	
6.72E-02	0|0	Cs5g35290.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.75E-03	0|0	Cs5g35290.1	4.37	0	0	2	MASCOT	T	PLEX8	
9.48E-05	0|0	Cs5g35290.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.49E-02	0|0	Cs5g35290.1	4.03	0	15.9	0	2	MASCOT	T	
2.39E-04	0|0	Cs5g35290.1	4.03	0	15.9	0	2	MASCOT	T	
1.19E-01	0|0	Cs5g35290.1	4.03	0	0	2	MASCOT	T		
4.48E-02	0|0	Cs5g35290.1	5.75	0	15.9	0	2	MASCOT	T	
1.02E-03	0|0	Cs5g35290.1	5.75	0	15.9	0	2	MASCOT	T	
5.56E-03	0|0	Cs5g35290.1	5.75	0	0	2	MASCOT	T		
2.46E-03	0|0	Cs5g35290.1	5.75	0	0	2	MASCOT	T		
1.69E-02	0|0	Cs5g35290.1	5.75	0	15.9	0	2	MASCOT	T	PLEX8
1.17E-03	0|0	Cs5g35290.1	5.75	0	0	2	MASCOT	T	PLEX8	
2.74E-03	0|0	Cs5g35290.1	5.75	0	0	2	MASCOT	T	PLEX8	
1.01E-01	0|0	Cs5g35290.1	8.17	0	0	2	MASCOT	T	PLEX8	
1.39E-02	0|0	Cs5g35290.1	8.17	0	0	2	MASCOT	T	PLEX8	
1.32E-02	0|0	Cs5g35290.1	8.17	0	0	2	MASCOT	T	PLEX8	
3.15E-02	0|0	Cs5g35290.1	8.17	0	0	2	MASCOT	T	PLEX8	
2.14E-02	0|0	Cs5g35290.1	8.17	0	0	2	MASCOT	T	PLEX8	
2.81E-02	0|0	Cs5g35290.1	8.17	0	0	2	MASCOT	T		
7.09E-02	0|0	Cs5g35290.1	8.17	0	0	2	MASCOT	T	PLEX8	
3.17E-01	0|0	Cs5g35290.1	8.17	0	0	2	MASCOT	T	PLEX8	
4.31E-01	0|0	Cs5g35290.1	8.17	0	0	2	MASCOT	T		
4.08E-02	0|0	Cs5g35290.1	8.17	0	0	2	MASCOT	T		
2.40E-01	0|0	Cs1g25760.1/Cs1g257	4.14	0	0	2	MASCOT	T	PLEX8	
5.33E-03	0|0	Cs1g25760.1/Cs1g257	4.14	0	0	2	MASCOT	T	PLEX8	
5.12E-01	0|0	Cs1g25760.1/Cs1g257	4.14	0	0	2	MASCOT	T	PLEX8	
4.14E-02	0|0	Cs1g25760.1/Cs1g257	4.14	0	0	2	MASCOT	T	PLEX8	
9.26E-02	0|0	Cs1g25760.1/Cs1g257	4.14	0	0	2	MASCOT	T	PLEX8	
5.99E-02	0|0	Cs1g25760.1/Cs1g257	4.14	0	0	2	MASCOT	T	PLEX8	
4.80E-02	0|0	Cs1g25760.1/Cs1g257	4.14	0	0	2	MASCOT	T	PLEX8	

1.17E-02	0|0	Cs1g25760.1/Cs1g257	4.14	0	0	2	MASCOT	T	PLEX8	
4.83E-02	0|0	Cs1g25760.1/Cs1g257	4.14	0	0	2	MASCOT	T	PLEX8	
2.36E-02	0|0	Cs1g25760.1/Cs1g257	4.14	0	0	2	MASCOT	T	PLEX8	
4.27E-06	0|0	Cs1g25760.1	4.21	0	0	2	MASCOT	T	PLEX8	
2.76E-04	0|0	Cs1g25760.1	4.21	0	0	2	MASCOT	T	PLEX8	
1.59E-02	0|0	Cs1g25760.1	4.21	0	0	2	MASCOT	T	PLEX8	
3.56E-03	0|0	Cs1g25760.1	4.21	0	0	2	MASCOT	T	PLEX8	
2.73E-04	0|0	Cs1g25760.1	4.21	0	0	2	MASCOT	T	PLEX8	
9.53E-04	0|0	Cs1g25760.1	4.21	0	0	2	MASCOT	T		
5.44E-02	0|0	Cs1g25760.1	4.21	0	0	2	MASCOT	T	PLEX8	
1.54E-05	0|0	Cs1g25760.1	4.21	0	0	2	MASCOT	T	PLEX8	
1.46E-05	0|0	Cs1g25760.1/Cs1g257	8.5	1	0	2	MASCOT	T	PLEX8	
5.66E-02	0|0	Cs1g25760.1	5.55	0	0	2	MASCOT	T	PLEX8	
2.37E-01	0|0	Cs1g25760.1	5.55	0	0	2	MASCOT	T	PLEX8	
5.59E-02	0|0	Cs1g25760.1	5.55	0	0	2	MASCOT	T	PLEX8	
5.80E-02	0|0	Cs1g25760.1	5.55	0	0	2	MASCOT	T	PLEX8	
4.64E-02	0|0	Cs1g25760.1	5.55	0	0	2	MASCOT	T	PLEX8	
2.91E-01	0|0	Cs1g25760.1/Cs1g257	9.44	0	0	2	MASCOT	T	PLEX8	
1.23E-01	0|0	Cs1g25760.1/Cs1g257	9.44	0	0	2	MASCOT	T		
2.44E-02	0|0	Cs1g25760.1/Cs1g257	9.44	0	0	2	MASCOT	T		
6.51E-02	0|0	Cs1g25760.1/Cs1g257	9.44	0	0	2	MASCOT	T	PLEX8	
1.30E-01	0|0	Cs1g25760.1/Cs1g257	9.44	0	0	2	MASCOT	T		
2.19E-01	0|0	Cs1g25760.1	5.81	0	0	2	MASCOT	T		
2.96E-02	0|0	Cs1g25760.1/Cs1g257	5.81	0	0	2	MASCOT	T		
2.09E-02	0|0	Cs1g25760.1/Cs1g257	5.81	0	0	2	MASCOT	T		
2.38E-02	0|0	Cs1g25760.1/Cs1g257	5.81	0	0	2	MASCOT	T		
1.82E-01	0|0	Cs1g25760.1/Cs1g257	5.81	0	0	2	MASCOT	T	PLEX8	
2.32E-01	0|0	Cs1g25760.1/Cs1g257	5.81	0	0	2	MASCOT	T	PLEX8	
1.29E-02	0|0	Cs1g25760.1/Cs1g257	5.81	0	0	2	MASCOT	T	PLEX8	
5.62E-02	0|0	Cs1g25760.1/Cs1g257	4.4	0	15.9	0	2	MASCOT	T	PLEX8
3.23E-05	0|0	Cs1g25760.1/Cs1g257	4.4	0	0	2	MASCOT	T	PLEX8	
9.90E-04	0|0	Cs1g25760.1/Cs1g257	4.4	0	0	2	MASCOT	T	PLEX8	
3.22E-03	0|0	Cs1g25760.1/Cs1g257	5.84	0	0	2	MASCOT	T	PLEX8	
2.34E-01	0|0	Cs1g25760.1/Cs1g257	5.84	0	0	2	MASCOT	T	PLEX8	
2.24E-03	0|0	Cs1g25760.1/Cs1g257	4.53	0	0	2	MASCOT	T	PLEX8	
3.81E-04	0|0	Cs1g25760.1/Cs1g257	4.53	0	0	2	MASCOT	T	PLEX8	
4.04E-04	0|0	Cs1g25760.1/Cs1g257	4.53	0	0	2	MASCOT	T	PLEX8	
4.18E-06	0|0	Cs1g25760.1/Cs1g257	4.53	0	0	2	MASCOT	T	PLEX8	
5.45E-02	0|0	Cs1g25760.1/Cs1g257	4.53	0	0	2	MASCOT	T	PLEX8	
8.82E-02	0|0	Cs1g25760.1/Cs1g257	4.53	0	0	2	MASCOT	T	PLEX8	
1.26E-02	0|0	Cs1g25760.1/Cs1g257	4.53	0	0	2	MASCOT	T	PLEX8	
1.03E-01	0|0	Cs1g25760.1/Cs1g257	4.53	0	0	2	MASCOT	T	PLEX8	
6.50E-04	0|0	Cs1g25760.1/Cs1g257	4.14	0	0	2	MASCOT	T		
7.03E-03	0|0	Cs1g25760.1/Cs1g257	4.14	0	0	2	MASCOT	T	PLEX8	
2.41E-04	0|0	Cs1g25760.1/Cs1g257	4.14	0	0	2	MASCOT	T		
1.30E-04	0|0	Cs1g25760.1/Cs1g257	4.14	0	0	2	MASCOT	T		
2.15E-03	0|0	Cs1g25760.1/Cs1g257	4.14	0	0	2	MASCOT	T		
6.20E-04	0|0	Cs1g25760.1/Cs1g257	4.14	0	0	2	MASCOT	T		
8.26E-03	0|0	Cs1g25760.1/Cs1g257	4.21	0	0	2	MASCOT	T	PLEX8	
1.15E-03	0|0	Cs1g25760.1/Cs1g257	4.21	0	0	2	MASCOT	T	PLEX8	
6.24E-03	0|0	Cs1g25760.1/Cs1g257	4.21	0	0	2	MASCOT	T	PLEX8	

3.55E-04	0|0	Cs1g25760.1/Cs1g257	5.19	0	0	2	MASCOT	T	PLEX8	
4.93E-04	0|0	Cs1g25760.1/Cs1g257	8.73	0	0	2	MASCOT	T	PLEX8	
1.32E-02	0|0	Cs1g25760.1/Cs1g257	8.73	0	0	2	MASCOT	T	PLEX8	
7.49E-02	0|0	Cs1g25760.1/Cs1g257	8.73	0	0	2	MASCOT	T	PLEX8	
1.54E-02	0|0	Cs1g25760.1/Cs1g257	8.73	0	0	2	MASCOT	T	PLEX8	
1.69E-04	0|0	Cs1g25760.1/Cs1g257	8.73	0	0	2	MASCOT	T	PLEX8	
1.94E-01	0|0	orange1.1t01892.1	4.25	0	0	2	MASCOT	T	PLEX8	
3.79E-01	0|0	orange1.1t01892.1	4.25	0	0	2	MASCOT	T	PLEX8	
1.43E-01	0|0	orange1.1t01892.1	4.25	0	0	2	MASCOT	T	PLEX8	
3.47E-02	0|0	orange1.1t01892.1	4.25	0	0	2	MASCOT	T	PLEX8	
8.89E-03	0|0	orange1.1t01892.1	5.21	0	0	2	MASCOT	T	PLEX8	
2.11E-02	0|0	orange1.1t01892.1	5.21	0	0	2	MASCOT	T	PLEX8	
8.94E-03	0|0	orange1.1t01892.1	5.21	0	0	2	MASCOT	T	PLEX8	
6.77E-04	0|0	orange1.1t01892.1	4.21	0	0	2	MASCOT	T	PLEX8	
1.16E-01	0|0	orange1.1t01892.1	5.38	0	0	2	MASCOT	T	PLEX8	
1.29E-01	0|0	orange1.1t01892.1	5.38	0	0	2	MASCOT	T	PLEX8	
7.38E-03	0|0	orange1.1t01892.1	5.38	0	0	2	MASCOT	T	PLEX8	
1.03E-02	0|0	orange1.1t01892.1	5.38	0	0	2	MASCOT	T	PLEX8	
2.23E-03	0|0	orange1.1t01892.1	5.38	0	0	2	MASCOT	T	PLEX8	
5.25E-02	0|0	orange1.1t01892.1	5.38	0	0	2	MASCOT	T	PLEX8	
1.32E-02	0|0	orange1.1t01892.1	5.38	0	0	2	MASCOT	T	PLEX8	
2.30E-01	0|0	Cs7g26020.1/orange1.	8.22	0	0	2	MASCOT	T	PLEX8	
3.80E-01	0|0	Cs7g26020.1/orange1.	8.22	0	0	2	MASCOT	T	PLEX8	
2.67E-03	0|0	orange1.1t01892.1	4.25	0	0	2	MASCOT	T	PLEX8	
9.48E-03	0|0	orange1.1t01892.1	4.25	0	0	2	MASCOT	T	PLEX8	
3.51E-02	0|0	orange1.1t01892.1	4.25	0	0	2	MASCOT	T	PLEX8	
9.03E-03	0|0	orange1.1t01892.1	8.73	0	0	2	MASCOT	T	PLEX8	
5.88E-02	0|0	orange1.1t01892.1	8.73	0	0	2	MASCOT	T	PLEX8	
1.74E-01	0|0	orange1.1t01892.1	8.73	0	0	2	MASCOT	T	PLEX8	
8.42E-02	0|0	orange1.1t01892.1	8.73	0	0	2	MASCOT	T	PLEX8	
1.53E-01	0|0	orange1.1t01892.1	8.73	0	0	2	MASCOT	T	PLEX8	
2.86E-02	0|0	orange1.1t01892.1	8.73	0	0	2	MASCOT	T	PLEX8	
5.89E-05	0|0	orange1.1t01892.1	5.8	0	0	2	MASCOT	T	PLEX8	
3.04E-05	0|0	orange1.1t01892.1	5.8	0	0	2	MASCOT	T	PLEX8	
1.05E-01	0|0	orange1.1t01892.1	5.8	0	0	2	MASCOT	T	PLEX8	
1.53E-02	0|0	orange1.1t01892.1	8.56	0	0	2	MASCOT	T	PLEX8	
9.17E-03	0|0	orange1.1t01892.1	6.05	0	0	2	MASCOT	T	PLEX8	
1.90E-01	0|0	orange1.1t01892.1	6.05	0	0	2	MASCOT	T	PLEX8	
4.73E-02	0|0	orange1.1t01892.1	6.05	0	0	2	MASCOT	T	PLEX8	
5.54E-02	0|0	orange1.1t01892.1	6.05	0	0	2	MASCOT	T	PLEX8	
2.46E-03	0|0	orange1.1t01892.1	5.88	0	0	2	MASCOT	T	PLEX8	
1.74E-03	0|0	orange1.1t01892.1	5.88	0	0	2	MASCOT	T	PLEX8	
8.82E-02	0|0	orange1.1t01892.1	5.88	0	0	2	MASCOT	T	PLEX8	
4.83E-01	0|0	orange1.1t01892.1	5.88	0	0	2	MASCOT	T	PLEX8	
7.78E-04	0|0	Cs7g26020.1/orange1.	5.84	0	0	2	MASCOT	T	PLEX8	
6.62E-03	0|0	Cs7g26020.1/orange1.	5.84	0	0	2	MASCOT	T	PLEX8	
9.22E-03	0|0	Cs7g26020.1/orange1.	5.84	0	0	2	MASCOT	T	PLEX8	
1.32E-02	0|0	Cs7g26020.1/orange1.	5.84	0	0	2	MASCOT	T	PLEX8	
2.27E-03	0|0	Cs7g26020.1/orange1.	5.84	0	0	2	MASCOT	T	PLEX8	
6.75E-02	0|0	orange1.1t01892.1	6.74	0	15.9	0	2	MASCOT	T	PLEX8
1.10E-01	0|0	orange1.1t01892.1	6.74	0	15.9	0	2	MASCOT	T	PLEX8

2.00E-01	0|0	orange1.1t01892.1	6.74	0	15.9	0	2	MASCOT	T	PLEX8
9.08E-03	0|0	orange1.1t01892.1	6.74	0		0	2	MASCOT	T	PLEX8
1.37E-02	0|0	orange1.1t01892.1	6.74	0		0	2	MASCOT	T	PLEX8
4.39E-02	0|0	orange1.1t01892.1	8.75	0		0	2	MASCOT	T	PLEX8
1.72E-02	0|0	orange1.1t01892.1	4.53	0		0	2	MASCOT	T	PLEX8
9.72E-02	0|0	orange1.1t01892.1	4.53	0		0	2	MASCOT	T	PLEX8
7.64E-05	0|0	orange1.1t01892.1	4.53	0		0	2	MASCOT	T	PLEX8
2.39E-03	0|0	orange1.1t01892.1	4.53	0		0	2	MASCOT	T	PLEX8
4.06E-06	0|0	Cs2g08950.1/orange1.	6.73	0		0	2	MASCOT	T	PLEX8
3.61E-02	0|0	Cs6g17260.1/Cs6g172	6.1	0		0	2	MASCOT	T	PLEX8
8.90E-03	0|0	Cs6g17260.1/Cs6g172	6.1	0		0	2	MASCOT	T	PLEX8
1.83E-02	0|0	Cs6g17260.1/Cs6g172	4.68	1		0	2	MASCOT	T	PLEX8
6.90E-02	0|0	Cs6g17260.1/Cs6g172	6	0	15.9	0	2	MASCOT	T	PLEX8
1.97E-02	0|0	Cs6g17260.1/Cs6g172	4.37	0		0	2	MASCOT	T	PLEX8
3.88E-01	0|0	Cs6g17260.1/Cs6g172	4.37	0		0	2	MASCOT	T	PLEX8
1.51E-01	0|0	Cs6g17260.1/Cs6g172	4.37	0		0	2	MASCOT	T	PLEX8
9.75E-02	0|0	Cs6g17260.1/Cs6g172	6	0		0	2	MASCOT	T	PLEX8
7.01E-02	0|0	Cs6g17260.1/Cs6g172	6	0		0	2	MASCOT	T	PLEX8
1.11E-01	0|0	Cs6g17260.1/Cs6g172	6	0		0	2	MASCOT	T	PLEX8
6.62E-02	0|0	Cs6g17260.1/Cs6g172	6	0		0	2	MASCOT	T	PLEX8
1.05E-03	0|0	Cs6g17260.1/Cs6g172	5.75	0	15.9	0	2	MASCOT	T	
5.76E-03	0|0	Cs6g17260.1/Cs6g172	5.75	0		0	2	MASCOT	T	
8.47E-03	0|0	Cs6g17260.1/Cs6g172	5.75	0		0	2	MASCOT	T	
3.59E-02	0|0	Cs6g17260.1/Cs6g172	4.53	0		0	2	MASCOT	T	
7.37E-03	0|0	Cs6g17260.1/Cs6g172	4.37	0		0	2	MASCOT	T	PLEX8
3.11E-03	0|0	Cs6g17260.1/Cs6g172	4.37	0		0	2	MASCOT	T	PLEX8
1.38E-03	0|0	Cs6g17260.1/Cs6g172	4.37	0		0	2	MASCOT	T	PLEX8
1.52E-04	0|0	Cs6g17260.1/Cs6g172	4.25	0		0	2	MASCOT	T	PLEX8
4.54E-03	0|0	Cs6g17260.1/Cs6g172	4.25	0		0	2	MASCOT	T	
1.56E-01	0|0	Cs6g17260.1/Cs6g172	4.25	0		0	2	MASCOT	T	
1.17E-04	0|0	Cs6g17260.1/Cs6g172	4.25	0		0	2	MASCOT	T	
2.28E-03	0|0	Cs6g17260.1/Cs6g172	4.25	0		0	2	MASCOT	T	
2.93E-05	0|0	Cs6g17260.1/Cs6g172	4.25	0		0	2	MASCOT	T	
7.41E-03	0|0	Cs6g17260.1/Cs6g172	8.59	0		0	2	MASCOT	T	PLEX8
9.31E-04	0|0	Cs6g17260.1/Cs6g172	8.59	0		0	2	MASCOT	T	PLEX8
1.03E-02	0|0	Cs6g17260.1/Cs6g172	8.59	0		0	2	MASCOT	T	PLEX8
4.79E-03	0|0	Cs6g17260.1/Cs6g172	4.03	0		0	2	MASCOT	T	PLEX8
3.06E-03	0|0	Cs6g17260.1/Cs6g172	4.03	0		0	2	MASCOT	T	PLEX8
6.13E-03	0|0	Cs6g17260.1/Cs6g172	4.03	0		0	2	MASCOT	T	PLEX8
3.43E-04	0|0	Cs6g17260.1/Cs6g172	4.03	0		0	2	MASCOT	T	PLEX8
4.69E-04	0|0	Cs6g17260.1/Cs6g172	4.14	0		0	2	MASCOT	T	PLEX8
5.67E-04	0|0	Cs6g17260.1/Cs6g172	4.14	0		0	2	MASCOT	T	PLEX8
2.39E-05	0|0	Cs6g17260.1/Cs6g172	4.14	0		0	2	MASCOT	T	PLEX8
2.65E-03	0|0	Cs6g17260.1/Cs6g172	4.14	0		0	2	MASCOT	T	
2.26E-03	0|0	Cs6g17260.1/Cs6g172	4.14	0		0	2	MASCOT	T	
4.33E-03	0|0	Cs6g17260.1/Cs6g172	4.14	0		0	2	MASCOT	T	
1.93E-04	0|0	Cs6g17260.1/Cs6g172	4.14	0		0	2	MASCOT	T	PLEX8
2.62E-03	0|0	Cs6g17260.1/Cs6g172	4.37	0		0	2	MASCOT	T	PLEX8
6.85E-02	0|0	Cs6g17260.1/Cs6g172	4.37	0		0	2	MASCOT	T	PLEX8
4.93E-03	0|0	Cs6g17260.1/Cs6g172	4.37	0		0	2	MASCOT	T	PLEX8
4.96E-01	0|0	Cs6g17260.1/Cs6g172	4.37	0		0	2	MASCOT	T	PLEX8

1.65E-02	0|0	Cs6g17260.1/Cs6g172	4.37	0	0	2	MASCOT	T	PLEX8	
2.50E-03	0|0	Cs6g17260.1/Cs6g172	4.37	0	0	2	MASCOT	T	PLEX8	
1.02E-03	0|0	Cs6g17260.1/Cs6g172	4.37	0	0	2	MASCOT	T	PLEX8	
4.14E-03	0|0	Cs6g17260.1/Cs6g172	4.37	0	0	2	MASCOT	T	PLEX8	
8.87E-02	0|0	Cs6g17260.1/Cs6g172	4.37	0	0	2	MASCOT	T	PLEX8	
1.77E-02	0|0	Cs6g17260.1/Cs6g172	4.37	0	0	2	MASCOT	T	PLEX8	
4.96E-01	0|0	Cs6g17260.1/Cs6g172	5.84	0	0	2	MASCOT	T	PLEX8	
3.37E-01	0|0	Cs6g17260.1/Cs6g172	8.75	0	0	2	MASCOT	T	PLEX8	
1.04E-04	0|0	Cs6g17260.1/Cs6g172	5.97	0	15.9	0	2	MASCOT	T	PLEX8
4.51E-05	0|0	Cs6g17260.1/Cs6g172	5.97	0	0	2	MASCOT	T	PLEX8	
7.58E-03	0|0	Cs6g17260.1/Cs6g172	5.97	0	0	2	MASCOT	T	PLEX8	
1.00E-02	0|0	Cs2g13550.1/Cs2g135	6.79	0	0	2	MASCOT	T		
1.43E-01	0|0	Cs2g13550.1/Cs2g135	5.99	0	15.9	0	2	MASCOT	T	
1.11E-02	0|0	Cs2g13550.1/Cs2g135	5.99	0	0	2	MASCOT	T		
2.72E-05	0|0	Cs2g13550.1/Cs2g135	5.99	0	0	2	MASCOT	T		
1.78E-02	0|0	Cs2g13550.1/Cs2g135	5.99	0	0	2	MASCOT	T		
9.56E-03	0|0	Cs2g13550.1	4.37	0	0	2	MASCOT	T	PLEX8	
2.50E-03	0|0	Cs2g13550.1	4.37	0	0	2	MASCOT	T	PLEX8	
5.54E-03	0|0	Cs2g13550.1	4.37	0	0	2	MASCOT	T	PLEX8	
9.21E-02	0|0	gi|113952629/Cs2g135	8.75	0	0	2	MASCOT	T	PLEX8	
1.22E-01	0|0	gi|113952629/Cs2g135	8.75	0	0	2	MASCOT	T	PLEX8	
1.24E-01	0|0	gi|113952629/Cs2g135	8.75	0	0	2	MASCOT	T	PLEX8	
2.81E-01	0|0	Cs2g13550.1/Cs2g135	4.37	0	0	2	MASCOT	T	PLEX8	
1.03E-01	0|0	Cs2g13550.1/Cs2g135	6.61	0	0	2	MASCOT	T	PLEX8	
2.74E-01	0|0	Cs2g13550.1/Cs2g135	6.61	0	0	2	MASCOT	T	PLEX8	
1.24E-01	0|0	Cs2g13550.1/Cs2g135	6.61	0	0	2	MASCOT	T	PLEX8	
1.19E-01	0|0	Cs2g13550.1/Cs2g135	6.61	0	0	2	MASCOT	T	PLEX8	
3.00E-02	0|0	Cs2g13550.1/Cs2g135	6.61	0	0	2	MASCOT	T	PLEX8	
3.94E-01	0|0	Cs2g13550.1/Cs2g135	6.61	0	0	2	MASCOT	T		
5.49E-02	0|0	Cs2g13550.1/Cs2g135	5.81	0	0	2	MASCOT	T	PLEX8	
3.32E-05	0|0	Cs2g13550.1/Cs2g135	5.81	0	0	2	MASCOT	T		
6.47E-02	0|0	Cs2g13550.1/Cs2g135	5.81	0	0	2	MASCOT	T		
7.54E-02	0|0	Cs2g13550.1/Cs2g135	4.37	0	0	2	MASCOT	T		
4.68E-01	0|0	Cs2g13550.1/Cs2g135	4.53	0	15.9	0	2	MASCOT	T	PLEX8
5.13E-03	0|0	Cs2g13550.1/Cs2g135	4.53	0	0	2	MASCOT	T	PLEX8	
1.09E-01	0|0	Cs2g13550.1/Cs2g135	4.53	0	0	2	MASCOT	T	PLEX8	
3.20E-02	0|0	Cs2g13550.1/Cs2g135	4.53	0	0	2	MASCOT	T	PLEX8	
9.10E-09	0|0	Cs2g13550.1/Cs2g135	6	0	0	2	MASCOT	T		
6.19E-03	0|0	Cs2g13550.1/Cs2g135	4.14	0	15.9	0	2	MASCOT	T	PLEX8
5.94E-03	0|0	Cs2g13550.1/Cs2g135	4.14	0	0	2	MASCOT	T	PLEX8	
2.50E-02	0|0	Cs2g13550.1/Cs2g135	4.37	0	0	2	MASCOT	T	PLEX8	
1.48E-01	0|0	Cs2g13550.1/Cs2g135	5.4	0	15.9	0	2	MASCOT	T	PLEX8
5.69E-05	0|0	Cs2g13550.1/Cs2g135	5.4	0	15.9	0	2	MASCOT	T	PLEX8
6.61E-02	0|0	Cs2g13550.1/Cs2g135	5.4	0	15.9	0	2	MASCOT	T	
2.27E-04	0|0	Cs2g13550.1/Cs2g135	5.4	0	15.9	0	2	MASCOT	T	PLEX8
5.35E-04	0|0	Cs2g13550.1/Cs2g135	5.4	0	15.9	0	2	MASCOT	T	
1.28E-04	0|0	Cs2g13550.1/Cs2g135	5.4	0	0	2	MASCOT	T	PLEX8	
1.66E-04	0|0	Cs2g13550.1/Cs2g135	5.4	0	0	2	MASCOT	T	PLEX8	
5.69E-06	0|0	Cs2g13550.1/Cs2g135	5.4	0	0	2	MASCOT	T	PLEX8	
1.92E-01	0|0	Cs2g13550.1/Cs2g135	5.4	0	0	2	MASCOT	T	PLEX8	
3.33E-03	0|0	Cs2g13550.1/Cs2g135	5.4	0	0	2	MASCOT	T		

9.12E-05	0|0	Cs2g13550.1/Cs2g135	5.4	0	0	2	MASCOT	T	
4.51E-05	0|0	Cs2g13550.1/Cs2g135	5.4	0	0	2	MASCOT	T	
7.83E-05	0|0	Cs2g13550.1	4.03	0	0	2	MASCOT	T	
5.22E-03	0|0	Cs2g13550.1/Cs2g135	4.37	0	15.9	0	2	MASCOT	T
4.00E-04	0|0	Cs2g13550.1/Cs2g135	4.37	0	0	2	MASCOT	T	
5.34E-03	0|0	Cs2g13550.1/Cs2g135	4.37	0	0	2	MASCOT	T	
2.08E-04	0|0	Cs2g13550.1/Cs2g135	6.72	0	0	2	MASCOT	T PLEX8	
8.91E-05	0|0	Cs2g13550.1/Cs2g135	6.72	0	0	2	MASCOT	T PLEX8	
3.09E-04	0|0	Cs2g13550.1/Cs2g135	6.72	0	0	2	MASCOT	T PLEX8	
2.44E-03	0|0	Cs2g30390.1/Cs2g303	4.03	0	0	2	MASCOT	T	
1.07E-04	0|0	Cs2g30390.1/Cs2g303	4.03	0	0	2	MASCOT	T	
1.65E-02	0|0	Cs2g30390.1/Cs2g303	4.37	0	0	2	MASCOT	T PLEX8	
4.00E-02	0|0	Cs2g30390.1/Cs2g303	4.37	0	0	2	MASCOT	T PLEX8	
1.50E-01	0|0	Cs2g30390.1/Cs2g303	4.37	0	0	2	MASCOT	T PLEX8	
4.04E-04	0|0	Cs2g30390.1/Cs2g303	4	0	0	2	MASCOT	T PLEX8	
1.62E-01	0|0	orange1.1t04018.1 ! C:	4.53	0	0	2	MASCOT	T PLEX8	
1.96E-01	0|0	orange1.1t04018.1 ! C:	4.53	0	0	2	MASCOT	T PLEX8	
2.51E-01	0|0	orange1.1t04018.1 ! C:	4.53	0	0	2	MASCOT	T PLEX8	
2.61E-02	0|0	orange1.1t04018.1 ! C:	4.53	0	0	2	MASCOT	T PLEX8	
2.65E-01	0|0	orange1.1t04018.1 ! C:	4.53	0	0	2	MASCOT	T PLEX8	
7.74E-02	0|0	orange1.1t04018.1 ! C:	4.53	0	0	2	MASCOT	T PLEX8	
2.21E-02	0|0	orange1.1t04018.1 ! C:	4.53	0	0	2	MASCOT	T PLEX8	
8.13E-02	0|0	Cs2g30390.1/Cs2g303	4.18	1	0	2	MASCOT	T PLEX8	
6.25E-02	0|0	Cs2g30390.1/Cs2g303	6.75	0	0	2	MASCOT	T PLEX8	
2.28E-02	0|0	Cs2g30390.1/Cs2g303	6.75	0	0	2	MASCOT	T PLEX8	
1.06E-03	0|0	Cs2g30390.1/Cs2g303	6.75	0	0	2	MASCOT	T PLEX8	
9.84E-03	0|0	Cs2g30390.1/Cs2g303	6.75	0	0	2	MASCOT	T PLEX8	
9.63E-02	0|0	Cs2g30390.1/Cs2g303	6.75	0	0	2	MASCOT	T PLEX8	
1.23E-01	0|0	Cs2g30390.1/Cs2g303	12	0	0	2	MASCOT	T	
6.78E-03	0|0	Cs2g30390.1/Cs2g303	5.71	0	0	2	MASCOT	T PLEX8	
1.18E-02	0|0	Cs2g30390.1/Cs2g303	6	0	0	2	MASCOT	T PLEX8	
6.21E-02	0|0	Cs2g30390.1/Cs2g303	6	0	0	2	MASCOT	T PLEX8	
1.19E-01	0|0	Cs2g30390.1/Cs2g303	5.84	0	0	2	MASCOT	T PLEX8	
1.52E-02	0|0	Cs2g30390.1/Cs2g303	5.84	0	0	2	MASCOT	T PLEX8	
1.48E-02	0|0	Cs2g30390.1/Cs2g303	5.83	0	0	2	MASCOT	T	
3.31E-04	0|0	Cs2g30390.1/Cs2g303	5.83	0	0	2	MASCOT	T	
1.76E-02	0|0	Cs2g30390.1/Cs2g303	6	0	0	2	MASCOT	T PLEX8	
2.01E-03	0|0	Cs2g30390.1/Cs2g303	6	0	0	2	MASCOT	T PLEX8	
7.50E-02	0|0	Cs2g30390.1/Cs2g303	4.54	0	0	2	MASCOT	T	
2.43E-02	0|0	Cs2g30390.1/Cs2g303	9.75	0	0	2	MASCOT	T	
7.72E-02	0|0	Cs2g30390.1/Cs2g303	9.75	0	0	2	MASCOT	T	
1.26E-01	0|0	Cs2g30390.1/Cs2g303	9.75	0	0	2	MASCOT	T	
3.37E-01	0|0	Cs2g30390.1/Cs2g303	4.53	0	0	2	MASCOT	T PLEX8	
6.37E-02	0|0	Cs2g30390.1/Cs2g303	5.72	0	0	2	MASCOT	T PLEX8	
5.15E-03	0|0	Cs2g30390.1/Cs2g303	5.72	0	0	2	MASCOT	T PLEX8	
4.52E-02	0|0	Cs2g30390.1/Cs2g303	5.72	0	0	2	MASCOT	T PLEX8	
1.03E-01	0|0	Cs2g30390.1/Cs2g303	5.72	0	0	2	MASCOT	T PLEX8	
6.84E-03	0|0	Cs2g30390.1/Cs2g303	5.72	0	0	2	MASCOT	T PLEX8	
7.47E-02	0|0	Cs2g04500.1/Cs2g045	5.84	0	0	2	MASCOT	T PLEX8	
1.31E-01	0|0	Cs2g04500.1/Cs2g045	5.83	0	0	2	MASCOT	T	
1.60E-01	0|0	Cs2g04500.1/Cs2g045	5.83	0	0	2	MASCOT	T	

9.51E-03	0|0	Cs2g04500.1/Cs2g045	4.53	0	0	2	MASCOT	T	PLEX8	
2.40E-02	0|0	Cs2g04500.1/Cs2g045	4.53	0	0	2	MASCOT	T	PLEX8	
2.06E-02	0|0	Cs2g04500.1/Cs2g045	4.53	0	0	2	MASCOT	T	PLEX8	
1.64E-04	0|0	Cs2g04500.1/Cs2g045	4.53	0	0	2	MASCOT	T	PLEX8	
5.31E-03	0|0	Cs2g04500.1/Cs2g045	4.53	0	0	2	MASCOT	T	PLEX8	
3.03E-02	0|0	Cs2g04500.1/Cs2g045	4.53	0	0	2	MASCOT	T	PLEX8	
4.38E-02	0|0	Cs2g04500.1/Cs2g045	4.53	0	0	2	MASCOT	T	PLEX8	
6.42E-02	0|0	Cs2g04500.1/Cs2g045	4.53	0	0	2	MASCOT	T	PLEX8	
6.26E-02	0|0	Cs2g04500.1/Cs2g045	4.53	0	0	2	MASCOT	T	PLEX8	
6.31E-02	0|0	Cs2g04500.1/Cs2g045	4.53	0	0	2	MASCOT	T	PLEX8	
1.40E-02	0|0	Cs2g04500.1/Cs2g045	4.14	0	0	2	MASCOT	T	PLEX8	
2.13E-02	0|0	Cs2g04500.1/Cs2g045	8.75	0	0	2	MASCOT	T	PLEX8	
1.45E-02	0|0	Cs2g04500.1/Cs2g045	8.75	0	0	2	MASCOT	T	PLEX8	
2.10E-03	0|0	Cs2g04500.1/Cs2g045	9.75	0	0	2	MASCOT	T	PLEX8	
4.61E-05	0|0	Cs2g04500.1/Cs2g045	9.75	0	0	2	MASCOT	T	PLEX8	
4.25E-05	0|0	Cs2g04500.1/Cs2g045	9.75	0	0	2	MASCOT	T	PLEX8	
2.16E-02	0|0	Cs2g04500.1/Cs2g045	4.53	0	0	2	MASCOT	T	PLEX8	
1.43E-03	0|0	Cs2g04500.1/Cs2g045	4.53	0	0	2	MASCOT	T	PLEX8	
2.73E-01	0|0	Cs2g04500.1/Cs2g045	4.53	0	0	2	MASCOT	T	PLEX8	
2.54E-04	0|0	Cs2g04500.1/Cs2g045	8.72	0	0	2	MASCOT	T	PLEX8	
3.99E-04	0|0	Cs2g04500.1/Cs2g045	8.72	0	0	2	MASCOT	T	PLEX8	
2.03E-01	0|0	Cs2g04500.1/Cs2g045	8.72	0	0	2	MASCOT	T	PLEX8	
8.26E-04	0|0	Cs2g04500.1/Cs2g045	4.37	0	0	2	MASCOT	T	PLEX8	
3.03E-02	0|0	Cs2g04500.1/Cs2g045	4.37	0	0	2	MASCOT	T	PLEX8	
7.49E-06	0|0	Cs2g04500.1/Cs2g045	3.92	0	0	2	MASCOT	T	PLEX8	
6.94E-02	0|0	Cs2g04500.1/Cs2g045	8.75	0	0	2	MASCOT	T	PLEX8	
1.44E-02	0|0	Cs2g04500.1/Cs2g045	8.75	0	0	2	MASCOT	T	PLEX8	
1.36E-01	0|0	Cs2g04500.1/Cs2g045	8.75	0	0	2	MASCOT	T	PLEX8	
4.92E-02	0|0	Cs2g04500.1/Cs2g045	8.75	0	0	2	MASCOT	T	PLEX8	
4.70E-03	0|0	Cs2g04500.1/Cs2g045	9.6	1	0	2	MASCOT	T	PLEX8	
6.04E-03	0|0	Cs2g04500.1/Cs2g045	9.6	1	0	2	MASCOT	T	PLEX8	
6.41E-02	0|0	Cs2g04500.1/Cs2g045	5.66	0	0	2	MASCOT	T	PLEX8	
1.15E-01	0|0	Cs2g04500.1/Cs2g045	5.66	0	0	2	MASCOT	T	PLEX8	
1.78E-01	0|0	Cs2g04500.1/Cs2g045	5.66	0	0	2	MASCOT	T	PLEX8	
9.02E-02	0|0	Cs2g04500.1/Cs2g045	5.81	0	0	2	MASCOT	T	PLEX8	
2.59E-01	0|0	Cs5g28200.1/Cs5g282	4.53	0	0	2	MASCOT	T	PLEX8	
4.08E-01	0|0	Cs5g28200.1/Cs5g282	4.53	0	0	2	MASCOT	T	PLEX8	
1.67E-01	0|0	Cs5g28200.1/Cs5g282	4.53	0	0	2	MASCOT	T	PLEX8	
8.02E-02	0|0	Cs5g28200.1/Cs5g282	3.91	0	15.9	0	2	MASCOT	T	PLEX8
1.26E-04	0|0	Cs5g28200.1/Cs5g282	3.91	0	0	2	MASCOT	T	PLEX8	
1.99E-02	0|0	Cs5g28200.1/Cs5g282	3.91	0	0	2	MASCOT	T	PLEX8	
2.98E-02	0|0	Cs5g28200.1/Cs5g282	4.53	0	0	2	MASCOT	T	PLEX8	
2.25E-02	0|0	Cs5g28200.1/Cs5g282	4.53	0	0	2	MASCOT	T	PLEX8	
4.66E-02	0|0	Cs5g28200.1/Cs5g282	6.74	0	0	2	MASCOT	T	PLEX8	
1.13E-01	0|0	Cs5g28200.1/Cs5g282	6.74	0	0	2	MASCOT	T	PLEX8	
6.47E-03	0|0	Cs5g28200.1/Cs5g282	6.75	0	0	2	MASCOT	T	PLEX8	
6.37E-03	0|0	Cs5g28200.1/Cs5g282	5.4	0	15.9	0	2	MASCOT	T	PLEX8
1.81E-02	0|0	Cs5g28200.1/Cs5g282	5.4	0	15.9	0	2	MASCOT	T	PLEX8
3.49E-01	0|0	Cs5g28200.1/Cs5g282	5.4	0	0	2	MASCOT	T	PLEX8	
3.90E-03	0|0	Cs5g28200.1/Cs5g282	5.4	0	0	2	MASCOT	T	PLEX8	
9.18E-04	0|0	Cs5g28200.1/Cs5g282	5.83	0	0	2	MASCOT	T	PLEX8	

1.83E-01	0|0	Cs5g28200.1/Cs5g282	5.84	0	0	2	MASCOT	T	PLEX8	
9.93E-02	0|0	Cs5g28200.1/Cs5g282	4.37	0	0	2	MASCOT	T	PLEX8	
1.55E-04	0|0	Cs5g28200.1/Cs5g282	4.37	0	0	2	MASCOT	T	PLEX8	
9.44E-05	0|0	Cs5g28200.1/Cs5g282	4.37	0	0	2	MASCOT	T	PLEX8	
2.13E-01	0|0	Cs5g28200.1/Cs5g282	8.72	0	15.9	0	2	MASCOT	T	PLEX8
5.73E-03	0|0	Cs5g28200.1/Cs5g282	8.72	0	0	2	MASCOT	T	PLEX8	
2.60E-04	0|0	Cs5g28200.1/Cs5g282	8.72	0	0	2	MASCOT	T	PLEX8	
2.32E-03	0|0	Cs5g28200.1/Cs5g282	8.72	0	0	2	MASCOT	T	PLEX8	
8.73E-04	0|0	Cs5g28200.1/Cs5g282	8.72	0	0	2	MASCOT	T	PLEX8	
3.38E-01	0|0	Cs5g28200.1/Cs5g282	5.97	0	0	2	MASCOT	T	PLEX8	
1.02E-01	0|0	Cs5g28200.1/Cs5g282	5.4	0	0	2	MASCOT	T	PLEX8	
9.83E-03	0|0	Cs5g28200.1/Cs5g282	5.4	0	0	2	MASCOT	T	PLEX8	
1.15E-02	0|0	Cs5g28200.1/Cs5g282	5.4	0	0	2	MASCOT	T	PLEX8	
2.57E-01	0|0	Cs5g28200.1/Cs5g282	5.4	0	0	2	MASCOT	T	PLEX8	
3.49E-03	0|0	Cs5g28200.1/Cs5g282	6.05	0	0	2	MASCOT	T	PLEX8	
9.95E-03	0|0	Cs5g28200.1/Cs5g282	6.05	0	0	2	MASCOT	T	PLEX8	
8.81E-03	0|0	Cs5g28200.1/Cs5g282	6.05	0	0	2	MASCOT	T	PLEX8	
1.80E-01	0|0	Cs5g28200.1/Cs5g282	4.37	0	0	2	MASCOT	T	PLEX8	
1.95E-01	0|0	Cs5g28200.1/Cs5g282	4.37	0	0	2	MASCOT	T	PLEX8	
2.10E-01	0|0	Cs5g28200.1/Cs5g282	4.37	0	0	2	MASCOT	T	PLEX8	
4.29E-02	0|0	Cs5g28200.1/Cs5g282	4.09	0	0	2	MASCOT	T		
3.34E-05	0|0	Cs5g28200.1/Cs5g282	4.09	0	0	2	MASCOT	T		
1.31E-04	0|0	orange1.1t03248.1/ora	4.21	0	0	2	MASCOT	T	PLEX8	
4.69E-05	0|0	orange1.1t03248.1/ora	4.14	0	0	2	MASCOT	T	PLEX8	
8.76E-02	0|0	orange1.1t03248.1/ora	4.14	0	0	2	MASCOT	T	PLEX8	
3.86E-01	0|0	orange1.1t03248.1/ora	5.84	0	0	2	MASCOT	T	PLEX8	
1.72E-01	0|0	orange1.1t03248.1/ora	5.84	0	0	2	MASCOT	T	PLEX8	
8.40E-02	0|0	orange1.1t03248.1/ora	5.84	0	0	2	MASCOT	T	PLEX8	
4.07E-01	0|0	orange1.1t03248.1/ora	4.25	0	0	2	MASCOT	T	PLEX8	
2.26E-04	0|0	orange1.1t03248.1/ora	4.25	0	0	2	MASCOT	T	PLEX8	
5.00E-03	0|0	orange1.1t03248.1/ora	4.25	0	0	2	MASCOT	T		
4.27E-02	0|0	orange1.1t03248.1/ora	8.75	0	0	2	MASCOT	T	PLEX8	
2.36E-03	0|0	orange1.1t03248.1/ora	8.75	0	0	2	MASCOT	T	PLEX8	
9.34E-02	0|0	orange1.1t03248.1/ora	8.75	0	0	2	MASCOT	T	PLEX8	
2.40E-03	0|0	orange1.1t03248.1/ora	8.75	0	0	2	MASCOT	T	PLEX8	
1.34E-03	0|0	orange1.1t03248.1/ora	8.75	0	0	2	MASCOT	T	PLEX8	
8.04E-04	0|0	orange1.1t03248.1/ora	8.75	0	0	2	MASCOT	T	PLEX8	
6.87E-02	0|0	orange1.1t03248.1/ora	5.96	1	0	2	MASCOT	T	PLEX8	
9.00E-03	0|0	orange1.1t03248.1/ora	5.37	0	15.9	0	2	MASCOT	T	PLEX8
2.66E-04	0|0	orange1.1t03248.1/ora	5.37	0	15.9	0	2	MASCOT	T	PLEX8
1.42E-03	0|0	orange1.1t03248.1/ora	5.37	0	0	2	MASCOT	T	PLEX8	
1.62E-04	0|0	orange1.1t03248.1/ora	5.37	0	0	2	MASCOT	T	PLEX8	
3.24E-04	0|0	orange1.1t03248.1/ora	5.37	0	0	2	MASCOT	T		
7.78E-05	0|0	orange1.1t03248.1/ora	4.14	0	0	2	MASCOT	T	PLEX8	
1.96E-03	0|0	orange1.1t03248.1/ora	4.14	0	0	2	MASCOT	T	PLEX8	
3.76E-04	0|0	orange1.1t03248.1/ora	4.14	0	0	2	MASCOT	T	PLEX8	
3.10E-03	0|0	orange1.1t03248.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
1.49E-04	0|0	orange1.1t03248.1/ora	4.37	0	0	2	MASCOT	T		
2.06E-02	0|0	orange1.1t03248.1/ora	4.37	0	0	2	MASCOT	T		
8.13E-07	0|0	orange1.1t03248.1/ora	4.37	0	0	2	MASCOT	T		
1.35E-01	0|0	orange1.1t03248.1/ora	4.21	0	0	2	MASCOT	T	PLEX8	

1.92E-01	0|0	orange1.1t03248.1/ora	4.21	0	0	2	MASCOT	T	PLEX8	
6.19E-02	0|0	orange1.1t03248.1/ora	4.14	0	0	2	MASCOT	T	PLEX8	
1.57E-02	0|0	orange1.1t03248.1/ora	4.53	0	0	2	MASCOT	T		
2.66E-02	0|0	orange1.1t03248.1/ora	4.53	0	0	2	MASCOT	T		
2.04E-03	0|0	orange1.1t03248.1/ora	8.07	0	0	2	MASCOT	T	PLEX8	
3.48E-02	0|0	orange1.1t03248.1/ora	4.53	0	0	2	MASCOT	T	PLEX8	
8.67E-03	0|0	orange1.1t03248.1/ora	4.53	0	0	2	MASCOT	T	PLEX8	
5.12E-03	0|0	orange1.1t03248.1/ora	4.53	0	0	2	MASCOT	T	PLEX8	
1.80E-01	0|0	orange1.1t03248.1/ora	4.21	0	0	2	MASCOT	T	PLEX8	
2.11E-03	0|0	Cs1g12600.1	6.74	0	0	2	MASCOT	T	PLEX8	
3.32E-02	0|0	Cs1g12600.1	6.74	0	0	2	MASCOT	T	PLEX8	
1.78E-02	0|0	Cs1g12600.1	6.74	0	0	2	MASCOT	T	PLEX8	
1.05E-03	0|0	Cs1g12600.1	6.74	0	0	2	MASCOT	T		
1.82E-01	0|0	Cs1g12600.1	5.84	0	0	2	MASCOT	T	PLEX8	
4.02E-01	0|0	Cs1g12600.1	5.84	0	0	2	MASCOT	T	PLEX8	
5.87E-04	0|0	Cs1g12600.1	6.73	0	0	2	MASCOT	T	PLEX8	
4.34E-02	0|0	Cs1g12600.1	6.73	0	0	2	MASCOT	T	PLEX8	
8.59E-02	0|0	Cs1g12600.1	6.73	0	0	2	MASCOT	T	PLEX8	
6.21E-03	0|0	Cs1g12600.1	6.73	0	0	2	MASCOT	T		
3.41E-02	0|0	Cs1g12600.1	4.37	0	15.9	0	2	MASCOT	T	PLEX8
4.16E-03	0|0	Cs1g12600.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.56E-01	0|0	Cs1g12600.1	8.75	0	0	2	MASCOT	T	PLEX8	
4.88E-01	0|0	Cs1g12600.1	8.75	0	0	2	MASCOT	T	PLEX8	
2.13E-02	0|0	Cs1g12600.1	5.84	0	0	2	MASCOT	T	PLEX8	
7.49E-02	0|0	Cs1g12600.1	8.8	0	0	2	MASCOT	T	PLEX8	
9.30E-02	0|0	Cs1g12600.1	8.8	0	0	2	MASCOT	T	PLEX8	
6.87E-02	0|0	Cs1g12600.1	4.17	0	0	2	MASCOT	T	PLEX8	
4.47E-02	0|0	Cs1g12600.1	4.17	0	0	2	MASCOT	T		
2.63E-02	0|0	Cs1g12600.1	4.17	0	0	2	MASCOT	T	PLEX8	
1.76E-02	0|0	Cs1g12600.1	5.32	0	0	2	MASCOT	T	PLEX8	
6.27E-02	0|0	Cs1g12600.1	6	0	0	2	MASCOT	T		
1.09E-01	0|0	Cs1g12600.1 ! Cs1g26	8.6	0	0	2	MASCOT	T		
1.45E-01	0|0	Cs1g12600.1	9.76	0	0	2	MASCOT	T		
2.65E-01	0|0	Cs1g12600.1	9.76	0	0	2	MASCOT	T	PLEX8	
1.47E-01	0|0	Cs1g12600.1	8.22	0	0	2	MASCOT	T	PLEX8	
1.73E-01	0|0	Cs1g12600.1	6.46	0	0	2	MASCOT	T	PLEX8	
1.17E-03	0|0	Cs1g12600.1	6.46	0	0	2	MASCOT	T	PLEX8	
2.10E-02	0|0	Cs1g12600.1	6.46	0	0	2	MASCOT	T	PLEX8	
3.10E-03	0|0	Cs1g12600.1	6.46	0	0	2	MASCOT	T	PLEX8	
4.13E-04	0|0	Cs1g12600.1	6.46	0	0	2	MASCOT	T	PLEX8	
8.75E-03	0|0	Cs1g12600.1	6.46	0	0	2	MASCOT	T	PLEX8	
9.28E-05	0|0	Cs1g12600.1	5.15	0	0	2	MASCOT	T	PLEX8	
4.12E-03	0|0	Cs1g12600.1	6.74	0	0	2	MASCOT	T	PLEX8	
4.11E-03	0|0	Cs1g12600.1	6.74	0	0	2	MASCOT	T	PLEX8	
1.44E-01	0|0	Cs6g07610.1/Cs6g076	6.05	0	0	2	MASCOT	T	PLEX8	
5.96E-02	0|0	Cs6g07610.1/Cs6g076	4.21	0	0	2	MASCOT	T	PLEX8	
6.92E-02	0|0	Cs6g07610.1/Cs6g076	4.21	0	0	2	MASCOT	T	PLEX8	
1.46E-01	0|0	Cs6g07610.1/Cs6g076	4.53	0	0	2	MASCOT	T	PLEX8	
6.63E-05	0|0	Cs6g07610.1/Cs6g076	4.53	0	0	2	MASCOT	T	PLEX8	
2.88E-01	0|0	Cs6g07610.1/Cs6g076	6.17	0	0	2	MASCOT	T	PLEX8	
1.28E-02	0|0	Cs6g07610.1/Cs6g076	4.4	0	0	2	MASCOT	T	PLEX8	

1.48E-01	0|0	Cs6g07610.1/Cs6g076	4.4	0	0	2	MASCOT	T	PLEX8	
9.98E-04	0|0	Cs6g07610.1/Cs6g076	4.4	0	0	2	MASCOT	T	PLEX8	
3.09E-02	0|0	Cs6g07610.1/Cs6g076	5.32	0	0	2	MASCOT	T		
1.79E-02	0|0	Cs6g07610.1/Cs6g076	4.48	0	0	2	MASCOT	T	PLEX8	
4.29E-02	0|0	Cs6g07610.1/Cs6g076	4.37	0	0	2	MASCOT	T	PLEX8	
2.03E-02	0|0	Cs6g07610.1/Cs6g076	4.37	0	0	2	MASCOT	T	PLEX8	
2.24E-02	0|0	Cs6g07610.1/Cs6g076	6	0	0	2	MASCOT	T	PLEX8	
2.50E-02	0|0	Cs6g07610.1/Cs6g076	6	0	0	2	MASCOT	T	PLEX8	
3.21E-03	0|0	Cs6g07610.1/Cs6g076	6	0	0	2	MASCOT	T	PLEX8	
2.40E-01	0|0	Cs6g07610.1/Cs6g076	6	0	0	2	MASCOT	T	PLEX8	
2.93E-01	0|0	Cs6g07610.1/Cs6g076	6	0	0	2	MASCOT	T	PLEX8	
2.56E-02	0|0	Cs6g07610.1/Cs6g076	6	0	0	2	MASCOT	T	PLEX8	
1.55E-01	0|0	Cs6g07610.1/Cs6g076	4.37	0	15.9	0	2	MASCOT	T	PLEX8
3.70E-02	0|0	Cs6g07610.1/Cs6g076	4.37	0	0	2	MASCOT	T	PLEX8	
3.27E-01	0|0	Cs6g07610.1/Cs6g076	4.25	0	0	2	MASCOT	T	PLEX8	
5.14E-03	0|0	Cs6g07610.1/Cs6g076	4.25	0	0	2	MASCOT	T	PLEX8	
4.15E-03	0|0	Cs6g07610.1/Cs6g076	4.25	0	0	2	MASCOT	T	PLEX8	
1.13E-04	0|0	Cs6g07610.1/Cs6g076	4.25	0	0	2	MASCOT	T	PLEX8	
3.05E-04	0|0	Cs6g07610.1/Cs6g076	6	0	0	2	MASCOT	T	PLEX8	
5.03E-02	0|0	Cs6g07610.1/Cs6g076	6	0	0	2	MASCOT	T	PLEX8	
3.10E-03	0|0	Cs6g07610.1/Cs6g076	4.75	0	0	2	MASCOT	T	PLEX8	
5.50E-04	0|0	Cs6g07610.1/Cs6g076	4.75	0	0	2	MASCOT	T	PLEX8	
1.36E-03	0|0	Cs6g07610.1/Cs6g076	4.75	0	0	2	MASCOT	T	PLEX8	
3.40E-03	0|0	Cs6g07610.1/Cs6g076	3.93	0	15.9	0	2	MASCOT	T	PLEX8
5.23E-02	0|0	Cs6g07610.1/Cs6g076	3.93	0	0	2	MASCOT	T		
1.66E-02	0|0	Cs6g07610.1/Cs6g076	4.53	0	0	2	MASCOT	T	PLEX8	
2.09E-02	0|0	Cs6g07610.1/Cs6g076	4.53	0	0	2	MASCOT	T	PLEX8	
1.85E-01	0|0	Cs6g07610.1/Cs6g076	5.97	0	0	2	MASCOT	T	PLEX8	
8.03E-03	0|0	Cs6g15320.1/Cs6g153	4.54	0	0	2	MASCOT	T	PLEX8	
4.04E-02	0|0	Cs6g15320.1/Cs6g153	4.54	0	0	2	MASCOT	T	PLEX8	
2.45E-01	0|0	Cs6g15320.1/Cs6g153	5.84	0	0	2	MASCOT	T	PLEX8	
1.91E-03	0|0	Cs6g15320.1/Cs6g153	4.14	0	0	2	MASCOT	T		
2.85E-06	0|0	Cs6g15320.1/Cs6g153	4.14	0	0	2	MASCOT	T		
6.90E-02	0|0	Cs6g15320.1/Cs6g153	3.91	0	0	2	MASCOT	T		
9.51E-02	0|0	Cs6g15320.1/Cs6g153	6.74	0	0	2	MASCOT	T	PLEX8	
3.47E-03	0|0	Cs6g15320.1/Cs6g153	4.21	0	0	2	MASCOT	T		
3.69E-02	0|0	Cs3g27220.1/Cs3g272	5.97	0	0	2	MASCOT	T	PLEX8	
7.47E-02	0|0	Cs3g27220.1/Cs3g272	5.97	0	0	2	MASCOT	T	PLEX8	
3.93E-02	0|0	Cs3g27220.1/Cs3g272	5.97	0	0	2	MASCOT	T	PLEX8	
2.14E-03	0|0	Cs6g15320.1/Cs6g153	6.75	0	0	2	MASCOT	T		
3.52E-02	0|0	Cs6g15320.1/Cs6g153	8.6	0	0	2	MASCOT	T	PLEX8	
7.10E-02	0|0	Cs6g15320.1/Cs6g153	8.6	0	0	2	MASCOT	T	PLEX8	
7.97E-02	0|0	Cs6g15320.1/Cs6g153	5.4	0	0	2	MASCOT	T	PLEX8	
1.11E-02	0|0	Cs6g15320.1/Cs6g153	5.4	0	0	2	MASCOT	T	PLEX8	
9.98E-02	0|0	Cs6g15320.1/Cs6g153	5.4	0	0	2	MASCOT	T	PLEX8	
3.74E-02	0|0	Cs6g15320.1/Cs6g153	3.93	0	0	2	MASCOT	T	PLEX8	
4.71E-02	0|0	Cs6g15320.1/Cs6g153	8.76	0	0	2	MASCOT	T		
4.33E-02	0|0	Cs6g15320.1/Cs6g153	5.84	0	0	2	MASCOT	T	PLEX8	
2.21E-01	0|0	Cs6g15320.1/Cs6g153	5.84	0	0	2	MASCOT	T	PLEX8	
1.11E-03	0|0	Cs6g15320.1/Cs6g153	4.43	1	0	2	MASCOT	T	PLEX8	
1.25E-01	0|0	Cs6g15320.1/Cs6g153	5.55	0	0	2	MASCOT	T	PLEX8	

4.14E-03	0|0	Cs6g15320.1/Cs6g153	5.55	0	0	2	MASCOT	T	PLEX8
1.22E-01	0|0	Cs6g15320.1/Cs6g153	5.55	0	0	2	MASCOT	T	
5.82E-03	0|0	Cs6g15320.1/Cs6g153	5.3	0	0	2	MASCOT	T	PLEX8
5.03E-04	0|0	Cs6g15320.1/Cs6g153	5.3	0	0	2	MASCOT	T	PLEX8
2.07E-01	0|0	Cs6g15320.1/Cs6g153	5.3	0	0	2	MASCOT	T	
9.34E-04	0|0	Cs6g15320.1/Cs6g153	5.3	0	0	2	MASCOT	T	
2.02E-03	0|0	Cs9g17990.1/Cs9g179	3.71	0	0	2	MASCOT	T	PLEX8
2.39E-02	0|0	Cs9g17990.1/Cs9g179	4.03	0	0	2	MASCOT	T	
2.72E-02	0|0	Cs9g17990.1/Cs9g179	4.03	0	0	2	MASCOT	T	
4.41E-01	0|0	Cs9g17990.1/Cs9g179	5.32	0	0	2	MASCOT	T	PLEX8
2.85E-01	0|0	Cs9g17990.1/Cs9g179	4.37	0	0	2	MASCOT	T	PLEX8
3.59E-02	0|0	Cs9g17990.1/Cs9g179	4.37	0	0	2	MASCOT	T	PLEX8
1.54E-03	0|0	Cs9g17990.1/Cs9g179	4.53	0	0	2	MASCOT	T	
4.08E-05	0|0	Cs9g17990.1/Cs9g179	4.53	0	0	2	MASCOT	T	
3.95E-03	0|0	Cs9g17990.1/Cs9g179	4.53	0	0	2	MASCOT	T	PLEX8
8.58E-03	0|0	Cs9g17990.1/Cs9g179	4.53	0	0	2	MASCOT	T	PLEX8
3.57E-03	0|0	Cs9g17990.1/Cs9g179	4.14	0	0	2	MASCOT	T	PLEX8
3.51E-02	0|0	Cs9g17990.1/Cs9g179	4.14	0	0	2	MASCOT	T	PLEX8
4.46E-02	0|0	Cs9g17990.1/Cs9g179	6.79	0	0	2	MASCOT	T	PLEX8
4.98E-02	0|0	Cs9g17990.1/Cs9g179	6.79	0	0	2	MASCOT	T	PLEX8
6.60E-02	0|0	Cs9g17990.1/Cs9g179	5.4	0	0	2	MASCOT	T	PLEX8
9.56E-02	0|0	Cs9g17990.1/Cs9g179	8.59	0	0	2	MASCOT	T	PLEX8
3.97E-02	0|0	Cs9g17990.1/Cs9g179	4.53	0	0	2	MASCOT	T	
5.43E-02	0|0	Cs9g17990.1/Cs9g179	4.53	0	0	2	MASCOT	T	
6.61E-04	0|0	Cs9g17990.1/Cs9g179	4.53	0	0	2	MASCOT	T	
8.79E-02	0|0	Cs9g17990.1/Cs9g179	4.53	0	0	2	MASCOT	T	
4.74E-01	0|0	Cs9g17990.1/Cs9g179	6.75	0	0	2	MASCOT	T	PLEX8
2.01E-02	0|0	Cs9g17990.1/Cs9g179	6.75	0	0	2	MASCOT	T	PLEX8
9.48E-04	0|0	Cs9g17990.1/Cs9g179	4.03	0	0	2	MASCOT	T	PLEX8
3.21E-02	0|0	Cs9g17990.1/Cs9g179	4.53	0	0	2	MASCOT	T	
2.59E-04	0|0	Cs9g17990.1/Cs9g179	5.32	0	0	2	MASCOT	T	PLEX8
9.80E-02	0|0	Cs9g17990.1/Cs9g179	4.53	0	0	2	MASCOT	T	PLEX8
1.35E-02	0|0	Cs9g17990.1/Cs9g179	4.53	0	0	2	MASCOT	T	PLEX8
1.35E-03	0|0	Cs9g17990.1/Cs9g179	6.92	0	0	2	MASCOT	T	PLEX8
2.44E-03	0|0	Cs9g17990.1/Cs9g179	6.92	0	0	2	MASCOT	T	PLEX8
4.74E-03	0|0	Cs2g28930.1/Cs2g289	4.37	0	0	2	MASCOT	T	
8.71E-02	0|0	Cs2g28930.1/Cs2g289	4.53	0	0	2	MASCOT	T	PLEX8
1.31E-01	0|0	Cs2g28930.1/Cs2g289	4.53	0	0	2	MASCOT	T	PLEX8
1.23E-01	0|0	Cs2g28930.1/Cs2g289	4.53	0	0	2	MASCOT	T	PLEX8
1.28E-01	0|0	Cs2g28930.1/Cs2g289	4.53	0	0	2	MASCOT	T	PLEX8
7.57E-02	0|0	Cs2g28930.1/Cs2g289	4.37	0	0	2	MASCOT	T	PLEX8
7.65E-04	0|0	Cs2g28930.1/Cs2g289	5.84	0	0	2	MASCOT	T	
8.54E-03	0|0	Cs2g28930.1/Cs2g289	4.37	0	0	2	MASCOT	T	PLEX8
2.31E-03	0|0	Cs2g28930.1/Cs2g289	4.03	0	0	2	MASCOT	T	
6.20E-05	0|0	Cs2g28930.1/Cs2g289	4.03	0	0	2	MASCOT	T	
4.19E-02	0|0	Cs2g28930.1/Cs2g289	8.47	0	0	2	MASCOT	T	PLEX8
2.97E-02	0|0	Cs2g28930.1/Cs2g289	8.47	0	0	2	MASCOT	T	PLEX8
4.78E-02	0|0	Cs2g28930.1/Cs2g289	8.47	0	0	2	MASCOT	T	PLEX8
1.57E-03	0|0	Cs2g28930.1/Cs2g289	5.97	0	0	2	MASCOT	T	PLEX8
3.04E-02	0|0	Cs2g28930.1/Cs2g289	5.97	0	0	2	MASCOT	T	PLEX8
5.10E-03	0|0	Cs2g28930.1/Cs2g289	5.97	0	0	2	MASCOT	T	PLEX8

5.60E-02	0|0	Cs2g28930.1/Cs2g289	9.76	0	0	2	MASCOT	T		
1.25E-04	0|0	Cs2g28930.1/Cs2g289	6.73	0	0	2	MASCOT	T	PLEX8	
1.39E-04	0|0	Cs2g28930.1/Cs2g289	6.73	0	0	2	MASCOT	T	PLEX8	
1.73E-05	0|0	Cs2g28930.1/Cs2g289	6.73	0	0	2	MASCOT	T		
9.63E-03	0|0	Cs2g28930.1/Cs2g289	5.84	0	0	2	MASCOT	T	PLEX8	
4.64E-03	0|0	Cs2g28930.1/Cs2g289	5.84	0	0	2	MASCOT	T		
1.11E-01	0|0	Cs2g28930.1/Cs2g289	9.8	0	0	2	MASCOT	T	PLEX8	
3.20E-01	0|0	Cs2g28930.1/Cs2g289	9.2	0	0	2	MASCOT	T	PLEX8	
8.09E-04	0|0	Cs2g28930.1/Cs2g289	6	0	0	2	MASCOT	T	PLEX8	
8.78E-02	0|0	Cs2g28930.1/Cs2g289	4.14	0	0	2	MASCOT	T		
3.12E-02	0|0	Cs2g28930.1/Cs2g289	8.41	0	0	2	MASCOT	T	PLEX8	
1.10E-02	0|0	Cs5g15920.1/Cs5g159	3.84	0	15.9	0	2	MASCOT	T	
3.82E-03	0|0	Cs5g15920.1/Cs5g159	3.84	0	15.9	0	2	MASCOT	T	
5.43E-05	0|0	Cs5g15920.1/Cs5g159	3.84	0	0	2	MASCOT	T		
1.74E-02	0|0	Cs5g15920.1/Cs5g159	5.84	0	0	2	MASCOT	T	PLEX8	
3.63E-03	0|0	Cs5g15920.1/Cs5g159	4.25	0	0	2	MASCOT	T	PLEX8	
2.90E-02	0|0	Cs5g15920.1/Cs5g159	4.25	0	0	2	MASCOT	T	PLEX8	
9.20E-03	0|0	Cs5g15920.1/Cs5g159	5.32	0	0	2	MASCOT	T	PLEX8	
2.91E-03	0|0	Cs5g15920.1/Cs5g159	9.75	0	0	2	MASCOT	T	PLEX8	
1.48E-01	0|0	Cs5g15920.1/Cs5g159	9.75	0	0	2	MASCOT	T	PLEX8	
2.62E-01	0|0	Cs5g15920.1/Cs5g159	6	0	0	2	MASCOT	T	PLEX8	
1.30E-02	0|0	Cs5g15920.1/Cs5g159	6	0	0	2	MASCOT	T	PLEX8	
1.55E-01	0|0	Cs5g15920.1/Cs5g159	6	0	0	2	MASCOT	T		
1.83E-01	0|0	Cs5g15920.1/Cs5g159	4.14	0	0	2	MASCOT	T	PLEX8	
1.07E-01	0|0	Cs5g15920.1/Cs5g159	6	0	0	2	MASCOT	T	PLEX8	
5.63E-01	0|0	Cs5g15920.1/Cs5g159	6	0	0	2	MASCOT	T	PLEX8	
1.43E-02	0|0	Cs5g15920.1/Cs5g159	5.55	0	0	2	MASCOT	T	PLEX8	
1.88E-01	0|0	Cs5g15920.1/Cs5g159	5.81	0	0	2	MASCOT	T	PLEX8	
2.87E-01	0|0	Cs5g15920.1/Cs5g159	9.75	0	0	2	MASCOT	T	PLEX8	
3.55E-01	0|0	Cs5g15920.1/Cs5g159	6.76	0	0	2	MASCOT	T	PLEX8	
2.69E-01	0|0	Cs5g15920.1/Cs5g159	6	0	15.9	0	2	MASCOT	T	PLEX8
3.46E-01	0|0	Cs5g15920.1/Cs5g159	6	0	0	2	MASCOT	T	PLEX8	
1.70E-01	0|0	Cs5g15920.1/Cs5g159	6	0	0	2	MASCOT	T	PLEX8	
1.66E-02	0|0	Cs5g15920.1/Cs5g159	6	0	0	2	MASCOT	T	PLEX8	
2.44E-01	0|0	Cs5g15920.1/Cs5g159	4.37	0	15.9	0	2	MASCOT	T	PLEX8
3.12E-02	0|0	Cs5g15920.1/Cs5g159	6.92	0	0	2	MASCOT	T	PLEX8	
1.03E-01	0|0	Cs5g15920.1/Cs5g159	6.92	0	0	2	MASCOT	T	PLEX8	
1.01E-02	0|0	Cs5g15920.1/Cs5g159	4.14	0	0	2	MASCOT	T	PLEX8	
1.84E-02	0|0	Cs6g15670.1/Cs6g156	8.8	0	0	2	MASCOT	T	PLEX8	
7.72E-04	0|0	Cs6g15670.1/Cs6g156	5.4	0	0	2	MASCOT	T	PLEX8	
4.41E-02	0|0	Cs6g15670.1/Cs6g156	5.83	0	0	2	MASCOT	T	PLEX8	
5.77E-02	0|0	Cs6g15670.1/Cs6g156	5.83	0	0	2	MASCOT	T	PLEX8	
9.07E-02	0|0	Cs6g15670.1/Cs6g156	5.83	0	0	2	MASCOT	T	PLEX8	
1.32E-01	0|0	Cs6g15670.1/Cs6g156	5.83	0	0	2	MASCOT	T	PLEX8	
4.05E-01	0|0	Cs6g15670.1/Cs6g156	4.53	0	0	2	MASCOT	T	PLEX8	
1.05E-01	0|0	Cs6g15670.1/Cs6g156	5.84	0	0	2	MASCOT	T		
1.05E-01	0|0	Cs6g15670.1/Cs6g156	8.75	0	0	2	MASCOT	T	PLEX8	
6.49E-02	0|0	Cs6g15670.1/Cs6g156	8.75	0	0	2	MASCOT	T	PLEX8	
1.02E-02	0|0	Cs6g15670.1/Cs6g156	8.75	0	0	2	MASCOT	T	PLEX8	
5.89E-03	0|0	Cs6g15670.1/Cs6g156	5.84	0	0	2	MASCOT	T	PLEX8	
3.07E-01	0|0	Cs6g15670.1/Cs6g156	9.76	0	0	2	MASCOT	T	PLEX8	

8.29E-02	0|0	Cs6g15670.1/Cs6g156	6.71	0	0	2	MASCOT	T	PLEX8
6.17E-02	0|0	Cs6g15670.1/Cs6g156	5.81	0	0	2	MASCOT	T	PLEX8
1.39E-02	0|0	Cs6g15670.1/Cs6g156	10.84	0	0	2	MASCOT	T	PLEX8
2.39E-01	0|0	Cs6g15670.1/Cs6g156	6	0	0	2	MASCOT	T	
1.00E-03	0|0	Cs6g15670.1/Cs6g156	6	0	0	2	MASCOT	T	
3.66E-02	0|0	Cs6g15670.1/Cs6g156	4.37	0	0	2	MASCOT	T	PLEX8
3.78E-02	0|0	Cs6g15670.1/Cs6g156	4.37	0	0	2	MASCOT	T	PLEX8
5.08E-02	0|0	Cs6g15670.1/Cs6g156	5.32	0	0	2	MASCOT	T	
8.68E-02	0|0	Cs6g15670.1/Cs6g156	5.4	0	0	2	MASCOT	T	PLEX8
1.31E-02	0|0	Cs6g15670.1/Cs6g156	5.55	0	0	2	MASCOT	T	PLEX8
1.80E-03	0|0	Cs6g15670.1/Cs6g156	5.55	0	0	2	MASCOT	T	PLEX8
8.64E-03	0|0	Cs2g02520.1	4.21	0	0	2	MASCOT	T	PLEX8
6.94E-04	0|0	Cs2g02520.1	4.21	0	0	2	MASCOT	T	PLEX8
8.59E-02	0|0	Cs2g02520.1	4.21	0	0	2	MASCOT	T	PLEX8
8.08E-02	0|0	Cs2g02520.1	4.21	0	0	2	MASCOT	T	PLEX8
1.69E-02	0|0	Cs2g02520.1	4.21	0	0	2	MASCOT	T	PLEX8
1.18E-02	0|0	Cs2g02520.1	4.21	0	0	2	MASCOT	T	PLEX8
2.34E-02	0|0	Cs2g02520.1	4.21	0	0	2	MASCOT	T	PLEX8
4.48E-02	0|0	Cs2g02520.1	4.21	0	0	2	MASCOT	T	PLEX8
9.24E-02	0|0	Cs2g02520.1	4.21	0	0	2	MASCOT	T	PLEX8
1.47E-01	0|0	Cs2g02520.1	4.21	0	0	2	MASCOT	T	
1.22E-01	0|0	Cs2g02520.1	4.21	0	0	2	MASCOT	T	
6.53E-02	0|0	Cs2g02520.1	4.21	0	0	2	MASCOT	T	
4.85E-04	0|0	Cs2g02520.1	4.21	0	0	2	MASCOT	T	
2.02E-03	0|0	Cs2g02520.1	4.21	0	0	2	MASCOT	T	
7.98E-02	0|0	Cs2g02520.1	4.21	0	0	2	MASCOT	T	
2.17E-03	0|0	Cs2g02520.1	4.21	0	0	2	MASCOT	T	
2.97E-03	0|0	Cs2g02520.1	4.21	0	0	2	MASCOT	T	
4.03E-04	0|0	Cs2g02520.1	4.21	0	0	2	MASCOT	T	
7.14E-03	0|0	Cs2g02520.1	4.21	0	0	2	MASCOT	T	
1.05E-03	0|0	Cs2g02520.1	4.21	0	0	2	MASCOT	T	
4.89E-03	0|0	Cs2g02520.1	4.21	0	0	2	MASCOT	T	
8.18E-04	0|0	Cs2g02520.1	4.21	0	0	2	MASCOT	T	
2.35E-03	0|0	Cs2g02520.1	4.21	0	0	2	MASCOT	T	
8.16E-04	0|0	Cs2g02520.1	4.21	0	0	2	MASCOT	T	
7.24E-04	0|0	Cs2g02520.1	4.21	0	0	2	MASCOT	T	
8.27E-04	0|0	Cs2g02520.1	4.21	0	0	2	MASCOT	T	
7.36E-04	0|0	Cs2g02520.1	4.21	0	0	2	MASCOT	T	
6.94E-03	0|0	Cs2g02520.1	4.21	0	0	2	MASCOT	T	
5.91E-02	0|0	Cs2g02520.1	4.21	0	0	2	MASCOT	T	
2.58E-02	0|0	Cs2g02520.1	4.21	0	0	2	MASCOT	T	
2.97E-02	0|0	Cs2g02520.1	4.21	0	0	2	MASCOT	T	
1.21E-01	0|0	Cs2g02520.1	4.21	0	0	2	MASCOT	T	PLEX8
4.71E-02	0|0	Cs2g02520.1	4.21	0	0	2	MASCOT	T	PLEX8
2.00E-02	0|0	Cs2g02520.1	4.21	0	0	2	MASCOT	T	PLEX8
2.60E-02	0|0	Cs2g02520.1	4.21	0	0	2	MASCOT	T	PLEX8
3.70E-02	0|0	Cs2g02520.1	4.21	0	0	2	MASCOT	T	PLEX8
3.67E-03	0|0	Cs2g02520.1	4.21	0	0	2	MASCOT	T	PLEX8
1.84E-04	0|0	Cs2g02520.1	4.21	0	0	2	MASCOT	T	PLEX8
6.04E-02	0|0	Cs2g02520.1	4.21	0	0	2	MASCOT	T	PLEX8
8.40E-04	0|0	Cs2g02520.1	4.21	0	0	2	MASCOT	T	PLEX8

1.75E-04 0|0	Cs2g02520.1	3.98	0	0	2	MASCOT	T	PLEX8	
9.68E-05 0|0	Cs2g02520.1	3.98	0	0	2	MASCOT	T	PLEX8	
3.08E-03 0|0	Cs2g02520.1	3.98	0	0	2	MASCOT	T	PLEX8	
2.23E-07 0|0	Cs2g02520.1	3.98	0	0	2	MASCOT	T	PLEX8	
5.54E-04 0|0	Cs2g02520.1	3.98	0	0	2	MASCOT	T	PLEX8	
6.02E-08 0|0	Cs2g02520.1	3.98	0	0	2	MASCOT	T	PLEX8	
1.48E-05 0|0	Cs2g02520.1	3.98	0	0	2	MASCOT	T	PLEX8	
3.56E-03 0|0	Cs2g02520.1	3.98	0	0	2	MASCOT	T	PLEX8	
1.16E-04 0|0	Cs2g02520.1	3.98	0	0	2	MASCOT	T		
6.85E-03 0|0	Cs2g02520.1	3.98	0	0	2	MASCOT	T	PLEX8	
1.12E-03 0|0	Cs2g02520.1	3.98	0	0	2	MASCOT	T		
9.12E-02 0|0	Cs2g02520.1	3.98	0	0	2	MASCOT	T	PLEX8	
2.28E-02 0|0	Cs2g02520.1	3.98	0	0	2	MASCOT	T	PLEX8	
5.74E-04 0|0	Cs2g02520.1	3.98	0	0	2	MASCOT	T	PLEX8	
2.97E-02 0|0	Cs2g02520.1	3.98	0	0	2	MASCOT	T	PLEX8	
1.55E-02 0|0	Cs2g02520.1	4	0	15.9	0	2	MASCOT	T	PLEX8
3.15E-02 0|0	Cs2g02520.1	4	0	0	2	MASCOT	T	PLEX8	
4.86E-03 0|0	Cs2g02520.1	4	0	0	2	MASCOT	T	PLEX8	
1.45E-02 0|0	Cs2g02520.1	4.21	1	0	2	MASCOT	T		
7.40E-02 0|0	Cs2g02520.1	4.21	1	0	2	MASCOT	T		
2.34E-03 0 0	Cs2g02520.1	4.14	0	0	2	MASCOT	T	PLEX8	
7.20E-03 0 0	Cs2g02520.1	4.14	0	0	2	MASCOT	T	PLEX8	
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2.14E-02 0 0	Cs2g02520.1	4.14	0	0	2	MASCOT	T	PLEX8	
2.26E-03 0 0	Cs2g02520.1	4.14	0	0	2	MASCOT	T	PLEX8	
4.35E-04 0|0	Cs2g02520.1	4.14	0	0	2	MASCOT	T	PLEX8	
2.95E-01 0|0	Cs2g02520.1	4.14	0	0	2	MASCOT	T	PLEX8	
2.91E-03 0|0	Cs2g02520.1	4.14	0	0	2	MASCOT	T	PLEX8	
2.39E-03 0|0	Cs2g02520.1	4.14	0	0	2	MASCOT	T	PLEX8	
3.64E-03 0|0	Cs2g02520.1	4.14	0	0	2	MASCOT	T	PLEX8	
5.94E-03 0|0	Cs2g02520.1	4.14	0	0	2	MASCOT	T	PLEX8	
2.28E-03 0 0	Cs2g02520.1	4.14	0	0	2	MASCOT	T	PLEX8	
1.98E-02 0 0	Cs2g02520.1	4.14	0	0	2	MASCOT	T	PLEX8	
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1.14E-03 0 0	Cs2g02520.1	4.14	0	0	2	MASCOT	T	PLEX8	
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4.10E-03 0 0	Cs2g02520.1	4.14	0	0	2	MASCOT	T	PLEX8	
4.73E-01 0 0	Cs2g02520.1	4.14	0	0	2	MASCOT	T	PLEX8	
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5.70E-02 0 0	Cs2g02520.1	4.68	1	0	2	MASCOT	T		
1.78E-01 0 0	Cs2g02520.1	5.84	0	0	2	MASCOT	T	PLEX8	
2.57E-02 0 0	Cs2g02520.1	5.84	0	0	2	MASCOT	T	PLEX8	
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2.96E-05 0 0	Cs2g02520.1	5.84	0	0	2	MASCOT	T	PLEX8	
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3.70E-03 0 0	Cs2g02520.1	5.84	0	0	2	MASCOT	T	PLEX8	
5.07E-03 0 0	Cs2g02520.1	5.84	0	0	2	MASCOT	T	PLEX8	
4.63E-03 0|0	Cs2g02520.1	5.84	0	0	2	MASCOT	T	PLEX8	
3.16E-02 0|0	Cs2g02520.1	5.84	0	0	2	MASCOT	T	PLEX8	
1.56E-05 0 0	Cs2g02520.1	5.84	0	0	2	MASCOT	T	PLEX8	
3.98E-02 0 0	Cs2g02520.1	5.84	0	0	2	MASCOT	T	PLEX8	

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1.96E-03 0 0	Cs2g02520.1	5.84	0	0	2 MASCOT	T	PLEX8
6.37E-04 0 0	Cs2g02520.1	5.84	0	0	2 MASCOT	T	PLEX8
1.77E-06 0 0	Cs2g02520.1	5.84	0	0	2 MASCOT	T	
1.65E-03 0 0	Cs2g02520.1	5.84	0	0	2 MASCOT	T	PLEX8
9.72E-02 0 0	Cs2g02520.1	5.84	0	0	2 MASCOT	T	PLEX8
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2.59E-02 0 0	Cs2g02520.1	5.84	0	0	2 MASCOT	T	PLEX8
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1.36E-03 0 0	Cs2g02520.1	5.84	0	0	2 MASCOT	T	PLEX8
1.43E-04 0 0	Cs2g02520.1	5.84	0	0	2 MASCOT	T	PLEX8
1.07E-01 0 0	Cs2g02520.1	5.84	0	0	2 MASCOT	T	PLEX8
3.07E-05 0 0	Cs2g02520.1	5.84	0	0	2 MASCOT	T	PLEX8
7.08E-04 0 0	Cs2g02520.1	5.84	0	0	2 MASCOT	T	PLEX8
2.78E-02 0 0	Cs2g02520.1	5.84	0	0	2 MASCOT	T	PLEX8
1.29E-02 0 0	Cs2g02520.1	5.84	0	0	2 MASCOT	T	PLEX8
7.02E-03 0 0	Cs2g02520.1	5.84	0	0	2 MASCOT	T	PLEX8
2.02E-02 0 0	Cs2g02520.1	5.84	0	0	2 MASCOT	T	PLEX8
5.93E-05 0 0	Cs2g02520.1	5.84	0	0	2 MASCOT	T	PLEX8
1.64E-03 0 0	Cs2g02520.1	5.84	0	0	2 MASCOT	T	PLEX8
1.38E-02 0 0	Cs2g02520.1	5.84	0	0	2 MASCOT	T	PLEX8
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6.95E-02 0 0	Cs2g02520.1	5.84	0	0	2 MASCOT	T	PLEX8
1.64E-02 0 0	Cs2g02520.1	5.84	0	0	2 MASCOT	T	PLEX8
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6.71E-03 0 0	Cs2g02520.1	5.84	0	0	2 MASCOT	T	PLEX8
5.23E-04 0 0	Cs2g02520.1	5.84	0	0	2 MASCOT	T	
3.87E-01 0 0	Cs2g02520.1	5.84	0	0	2 MASCOT	T	PLEX8
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3.16E-01 0 0	Cs2g02520.1	5.84	0	0	2 MASCOT	T	PLEX8
4.67E-02 0 0	Cs2g02520.1	5.84	0	0	2 MASCOT	T	PLEX8
1.38E-01 0 0	Cs2g02520.1	5.84	0	0	2 MASCOT	T	PLEX8
1.38E-01 0 0	Cs2g02520.1	5.84	0	0	2 MASCOT	T	PLEX8
2.38E-01 0 0	Cs2g02520.1	5.84	0	0	2 MASCOT	T	PLEX8
1.42E-01 0 0	Cs2g02520.1	5.84	0	0	2 MASCOT	T	PLEX8
1.28E-01 0 0	Cs2g02520.1	5.84	0	0	2 MASCOT	T	PLEX8
2.86E-01 0 0	Cs2g02520.1	5.84	0	0	2 MASCOT	T	
2.11E-01 0 0	Cs2g02520.1	5.84	0	0	2 MASCOT	T	PLEX8
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1.80E-01 0 0	Cs2g02520.1	5.84	0	0	2 MASCOT	T	PLEX8
1.37E-01 0 0	Cs2g02520.1	5.84	0	0	2 MASCOT	T	PLEX8
2.94E-01 0 0	Cs2g02520.1	5.84	0	0	2 MASCOT	T	PLEX8
1.13E-01 0 0	Cs2g02520.1	5.84	0	0	2 MASCOT	T	PLEX8
2.82E-01 0 0	Cs2g02520.1	5.84	0	0	2 MASCOT	T	PLEX8

3.28E-01 0 0	Cs2g02520.1	5.84	0	0	2 MASCOT	T	
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2.36E-01 0 0	Cs2g02520.1	5.84	0	0	2 MASCOT	T	PLEX8
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4.09E-01 0 0	Cs2g02520.1	5.84	0	0	2 MASCOT	T	PLEX8
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1.70E-01 0 0	Cs2g02520.1	5.84	0	0	2 MASCOT	T	PLEX8
2.83E-01 0 0	Cs2g02520.1	5.84	0	0	2 MASCOT	T	PLEX8
1.70E-01 0|0	Cs2g02520.1	5.84	0	0	2 MASCOT	T	PLEX8
4.64E-02 0|0	Cs2g02520.1	5.84	0	0	2 MASCOT	T	
2.86E-01 0|0	Cs2g02520.1	6	0	0	2 MASCOT	T	PLEX8
1.95E-02 0|0	Cs2g02520.1	6	0	0	2 MASCOT	T	PLEX8
1.10E-02 0|0	Cs2g02520.1	6	0	0	2 MASCOT	T	PLEX8
2.34E-01 0|0	Cs2g02520.1	6	0	0	2 MASCOT	T	
8.81E-04 0|0	Cs2g02520.1	6	0	0	2 MASCOT	T	PLEX8
3.31E-03 0|0	Cs2g02520.1	6	0	0	2 MASCOT	T	PLEX8
5.06E-03 0|0	Cs2g02520.1	6	0	0	2 MASCOT	T	PLEX8
1.10E-03 0|0	Cs2g02520.1	6	0	0	2 MASCOT	T	PLEX8
5.18E-05 0|0	Cs2g02520.1	6	0	0	2 MASCOT	T	PLEX8
7.67E-02 0|0	Cs2g02520.1	6	0	0	2 MASCOT	T	PLEX8
3.84E-01 0|0	Cs2g02520.1	6	0	0	2 MASCOT	T	PLEX8
4.16E-03 0|0	Cs2g02520.1	6	0	0	2 MASCOT	T	PLEX8
2.79E-03 0|0	Cs2g02520.1	6	0	0	2 MASCOT	T	PLEX8
4.24E-02 0|0	Cs2g02520.1	6	0	0	2 MASCOT	T	
7.45E-04 0|0	Cs2g02520.1	6	0	0	2 MASCOT	T	PLEX8
3.02E-01 0|0	Cs2g02520.1	6	0	0	2 MASCOT	T	PLEX8
6.96E-04 0|0	Cs2g02520.1	6	0	0	2 MASCOT	T	PLEX8
1.71E-01 0|0	Cs2g02520.1	6	0	0	2 MASCOT	T	
1.12E-04 0|0	Cs2g02520.1	6	0	0	2 MASCOT	T	PLEX8
3.00E-05 0|0	Cs2g02520.1	6	0	0	2 MASCOT	T	PLEX8
5.19E-05 0|0	Cs2g02520.1	6	0	0	2 MASCOT	T	PLEX8
1.09E-02 0|0	Cs2g02520.1	6	0	0	2 MASCOT	T	PLEX8
2.28E-01 0 0	Cs2g02520.1	6	0	0	2 MASCOT	T	PLEX8
1.35E-01 0 0	Cs2g02520.1	6	0	0	2 MASCOT	T	
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2.23E-02 0 0	Cs2g02520.1	6	0	0	2 MASCOT	T	
2.73E-02 0 0	Cs2g02520.1	6	0	0	2 MASCOT	T	
1.98E-05 0 0	Cs2g02520.1	6	0	0	2 MASCOT	T	
1.69E-06 0|0	Cs2g02520.1	6	0	0	2 MASCOT	T	
3.10E-06 0|0	Cs2g02520.1	6	0	0	2 MASCOT	T	
3.14E-03 0|0	Cs2g02520.1	6	0	0	2 MASCOT	T	
1.25E-02 0|0	Cs2g02520.1	6	0	0	2 MASCOT	T	
1.13E-01 0|0	Cs2g02520.1	6	0	0	2 MASCOT	T	
2.91E-01 0|0	Cs2g02520.1	6	0	0	2 MASCOT	T	
2.70E-01 0|0	Cs2g02520.1	6	0	0	2 MASCOT	T	
7.63E-02 0|0	Cs2g02520.1	6	0	0	2 MASCOT	T	

5.27E-02 0 0	Cs2g02520.1	6	0	0	2 MASCOT	T	
7.37E-02 0 0	Cs2g02520.1	6	0	0	2 MASCOT	T	
2.64E-02 0 0	Cs2g02520.1	6	0	0	2 MASCOT	T	
5.92E-02 0 0	Cs2g02520.1	6	0	0	2 MASCOT	T	
2.77E-01 0 0	Cs2g02520.1	6	0	0	2 MASCOT	T	
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1.59E-05 0 0	Cs2g02520.1	6	0	0	2 MASCOT	T	PLEX8
1.27E-02 0 0	Cs2g02520.1	6	0	0	2 MASCOT	T	PLEX8
2.42E-03 0 0	Cs2g02520.1	6	0	0	2 MASCOT	T	
5.71E-03 0 0	Cs2g02520.1	6	0	0	2 MASCOT	T	
1.10E-02 0 0	Cs2g02520.1	6	0	0	2 MASCOT	T	
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1.54E-02 0 0	Cs2g02520.1	8.41	0	0	2 MASCOT	T	PLEX8
6.61E-02 0 0	Cs2g02520.1	8.41	0	0	2 MASCOT	T	PLEX8
1.31E-01 0 0	Cs2g02520.1	8.41	0	0	2 MASCOT	T	PLEX8
7.63E-03 0 0	Cs2g02520.1	8.41	0	0	2 MASCOT	T	PLEX8
9.85E-02 0 0	Cs2g02520.1	8.41	0	0	2 MASCOT	T	PLEX8
6.19E-03 0 0	Cs2g02520.1	8.41	0	0	2 MASCOT	T	PLEX8
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3.18E-01 0 0	Cs2g02520.1	8.41	0	0	2 MASCOT	T	PLEX8
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4.82E-03 0 0	Cs2g02520.1	8.41	0	0	2 MASCOT	T	PLEX8
9.98E-03 0 0	Cs2g02520.1	8.41	0	0	2 MASCOT	T	PLEX8
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7.17E-02 0 0	Cs2g02520.1	8.41	0	0	2 MASCOT	T	PLEX8
5.28E-03 0 0	Cs2g02520.1	8.41	0	0	2 MASCOT	T	PLEX8
6.23E-03 0 0	Cs2g02520.1	8.41	0	0	2 MASCOT	T	PLEX8
4.28E-02 0 0	Cs2g02520.1	8.41	0	0	2 MASCOT	T	PLEX8
2.38E-02 0 0	Cs2g02520.1	8.41	0	0	2 MASCOT	T	PLEX8
6.40E-03 0 0	Cs2g02520.1	8.41	0	0	2 MASCOT	T	PLEX8
2.05E-01 0 0	Cs2g02520.1	8.41	0	0	2 MASCOT	T	PLEX8
4.96E-03 0 0	Cs2g02520.1	8.41	0	0	2 MASCOT	T	PLEX8
3.22E-02 0 0	Cs2g02520.1	8.41	0	0	2 MASCOT	T	
2.64E-02 0 0	Cs2g02520.1	8.41	0	0	2 MASCOT	T	PLEX8
3.24E-01 0 0	Cs2g02520.1	8.41	0	0	2 MASCOT	T	
3.39E-02 0 0	Cs2g02520.1	8.41	0	0	2 MASCOT	T	
2.31E-02 0 0	Cs2g02520.1	8.41	0	0	2 MASCOT	T	
2.29E-04 0 0	Cs2g02520.1	3.77	0	0	2 MASCOT	T	PLEX8
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3.34E-01 0 0	Cs2g02520.1	5.88	0	0	2 MASCOT	T	PLEX8

3.49E-01 0 0	Cs2g02520.1	5.88	0	0	2 MASCOT	T	PLEX8
8.32E-05 0|0	Cs2g02520.1	5.88	0	0	2 MASCOT	T	PLEX8
2.63E-04 0|0	Cs2g02520.1	5.88	0	0	2 MASCOT	T	PLEX8
1.22E-05 0|0	Cs2g02520.1	5.88	0	0	2 MASCOT	T	PLEX8
3.63E-04 0|0	Cs2g02520.1	5.88	0	0	2 MASCOT	T	PLEX8
7.92E-05 0|0	Cs2g02520.1	5.88	0	0	2 MASCOT	T	PLEX8
1.48E-04 0|0	Cs2g02520.1	5.88	0	0	2 MASCOT	T	PLEX8
1.19E-03 0|0	Cs2g02520.1	5.88	0	0	2 MASCOT	T	PLEX8
1.96E-04 0|0	Cs2g02520.1	5.88	0	0	2 MASCOT	T	PLEX8
2.42E-03 0|0	Cs2g02520.1	5.88	0	0	2 MASCOT	T	PLEX8
2.72E-03 0|0	Cs2g02520.1	5.88	0	0	2 MASCOT	T	PLEX8
5.64E-02 0|0	Cs2g02520.1	5.88	0	0	2 MASCOT	T	PLEX8
3.15E-01 0|0	Cs2g02520.1	5.88	0	0	2 MASCOT	T	PLEX8
7.18E-02 0|0	Cs2g02520.1	5.88	0	0	2 MASCOT	T	
9.18E-02 0|0	Cs2g02520.1	5.88	0	0	2 MASCOT	T	
1.30E-02 0|0	Cs2g02520.1	5.88	0	0	2 MASCOT	T	
5.09E-01 0|0	Cs2g02520.1	5.88	0	0	2 MASCOT	T	
3.49E-04 0|0	Cs2g02520.1	5.88	0	0	2 MASCOT	T	PLEX8
9.52E-05 0|0	Cs2g02520.1	5.88	0	0	2 MASCOT	T	PLEX8
8.82E-03 0|0	Cs2g02520.1	5.88	0	0	2 MASCOT	T	PLEX8
2.19E-03 0|0	Cs2g02520.1	5.88	0	0	2 MASCOT	T	PLEX8
6.58E-03 0|0	Cs2g02520.1	5.88	0	0	2 MASCOT	T	
4.04E-03 0|0	Cs2g02520.1	5.88	0	0	2 MASCOT	T	PLEX8
2.40E-03 0|0	Cs2g02520.1	5.88	0	0	2 MASCOT	T	PLEX8
4.99E-01 0|0	Cs2g02520.1	5.88	0	0	2 MASCOT	T	PLEX8
2.63E-01 0|0	Cs2g02520.1	5.88	0	0	2 MASCOT	T	
8.18E-03 0|0	Cs2g02520.1	5.88	0	0	2 MASCOT	T	PLEX8
7.77E-05 0|0	Cs2g02520.1	5.88	0	0	2 MASCOT	T	PLEX8
3.39E-03 0|0	Cs2g02520.1	5.88	0	0	2 MASCOT	T	PLEX8
2.41E-02 0|0	Cs2g02520.1	5.88	0	0	2 MASCOT	T	
1.87E-01 0|0	Cs2g02520.1	5.88	0	0	2 MASCOT	T	
5.53E-06 0|0	Cs2g02520.1	5.88	0	0	2 MASCOT	T	PLEX8
4.26E-03 0|0	Cs2g02520.1	5.88	0	0	2 MASCOT	T	PLEX8
3.23E-02 0|0	Cs2g02520.1	5.88	0	0	2 MASCOT	T	PLEX8
4.13E-01 0|0	Cs2g02520.1	5.88	0	0	2 MASCOT	T	
1.85E-03 0|0	Cs2g02520.1	5.88	0	0	2 MASCOT	T	PLEX8
2.90E-02 0|0	Cs2g02520.1	5.88	0	0	2 MASCOT	T	PLEX8
4.43E-01 0|0	Cs2g02520.1	5.88	0	0	2 MASCOT	T	
2.36E-02 0|0	Cs2g02520.1	4.25	0	0	2 MASCOT	T	
6.46E-04 0|0	Cs2g02520.1	4.25	0	0	2 MASCOT	T	PLEX8
3.12E-04 0|0	Cs2g02520.1	4.25	0	0	2 MASCOT	T	PLEX8
1.45E-02 0|0	Cs2g02520.1	4.25	0	0	2 MASCOT	T	
2.79E-01 0|0	Cs2g02520.1	4.25	0	0	2 MASCOT	T	
3.30E-02 0|0	Cs2g02520.1	4.25	0	0	2 MASCOT	T	
7.04E-02 0|0	Cs2g02520.1	4.25	0	0	2 MASCOT	T	
4.96E-02 0|0	Cs2g02520.1	4.25	0	0	2 MASCOT	T	
5.83E-03 0|0	Cs2g02520.1	4.25	0	0	2 MASCOT	T	PLEX8
3.25E-01 0|0	Cs2g02520.1	8.75	0	0	2 MASCOT	T	PLEX8
1.35E-03 0|0	Cs2g02520.1	8.75	0	0	2 MASCOT	T	PLEX8
3.56E-01 0|0	Cs2g02520.1	8.75	0	0	2 MASCOT	T	PLEX8
1.26E-01 0|0	Cs2g02520.1	8.75	0	0	2 MASCOT	T	PLEX8

1.49E-01 0|0	Cs2g02520.1	8.75	0	0	2 MASCOT	T	PLEX8
2.09E-02 0|0	Cs2g02520.1	8.75	0	0	2 MASCOT	T	PLEX8
6.63E-05 0|0	Cs2g02520.1	8.75	0	0	2 MASCOT	T	PLEX8
1.85E-03 0|0	Cs2g02520.1	8.75	0	0	2 MASCOT	T	PLEX8
4.72E-04 0|0	Cs2g02520.1	8.75	0	0	2 MASCOT	T	PLEX8
1.93E-03 0|0	Cs2g02520.1	8.75	0	0	2 MASCOT	T	PLEX8
4.40E-03 0|0	Cs2g02520.1	8.75	0	0	2 MASCOT	T	PLEX8
3.89E-04 0|0	Cs2g02520.1	8.75	0	0	2 MASCOT	T	PLEX8
1.96E-03 0|0	Cs2g02520.1	8.75	0	0	2 MASCOT	T	PLEX8
8.52E-02 0|0	Cs2g02520.1	8.75	0	0	2 MASCOT	T	PLEX8
1.12E-06 0|0	Cs2g02520.1	8.75	0	0	2 MASCOT	T	PLEX8
1.53E-05 0|0	Cs2g02520.1	8.75	0	0	2 MASCOT	T	PLEX8
2.40E-06 0|0	Cs2g02520.1	8.75	0	0	2 MASCOT	T	PLEX8
1.33E-01 0|0	Cs2g02520.1	8.75	0	0	2 MASCOT	T	PLEX8
2.57E-02 0|0	Cs2g02520.1	8.75	0	0	2 MASCOT	T	PLEX8
4.91E-02 0|0	Cs2g02520.1	8.75	0	0	2 MASCOT	T	
7.23E-04 0|0	Cs2g02520.1	8.75	0	0	2 MASCOT	T	PLEX8
3.32E-02 0|0	Cs2g02520.1	8.75	0	0	2 MASCOT	T	PLEX8
2.72E-02 0|0	Cs2g02520.1	8.75	0	0	2 MASCOT	T	PLEX8
7.40E-04 0|0	Cs2g02520.1	8.75	0	0	2 MASCOT	T	PLEX8
3.59E-01 0|0	Cs2g02520.1	8.75	0	0	2 MASCOT	T	PLEX8
2.02E-01 0|0	Cs2g02520.1	8.75	0	0	2 MASCOT	T	PLEX8
2.34E-05 0|0	Cs2g02520.1	8.75	0	0	2 MASCOT	T	PLEX8
9.23E-04 0|0	Cs2g02520.1	8.75	0	0	2 MASCOT	T	PLEX8
8.81E-03 0|0	Cs2g02520.1	8.75	0	0	2 MASCOT	T	
4.90E-01 0|0	Cs2g02520.1	8.75	0	0	2 MASCOT	T	PLEX8
1.41E-03 0|0	Cs2g02520.1	8.75	0	0	2 MASCOT	T	PLEX8
2.67E-05 0|0	Cs2g02520.1	8.75	0	0	2 MASCOT	T	PLEX8
2.27E-05 0|0	Cs2g02520.1	8.75	0	0	2 MASCOT	T	PLEX8
3.75E-08 0|0	Cs2g02520.1	8.75	0	0	2 MASCOT	T	PLEX8
2.68E-05 0|0	Cs2g02520.1	8.75	0	0	2 MASCOT	T	PLEX8
4.05E-05 0|0	Cs2g02520.1	8.75	0	0	2 MASCOT	T	PLEX8
3.60E-02 0|0	Cs2g02520.1	8.75	0	0	2 MASCOT	T	PLEX8
3.04E-04 0|0	Cs2g02520.1	8.75	0	0	2 MASCOT	T	PLEX8
2.36E-04 0|0	Cs2g02520.1	8.75	0	0	2 MASCOT	T	PLEX8
1.44E-02 0|0	Cs2g02520.1	8.75	0	0	2 MASCOT	T	
1.94E-02 0|0	Cs2g02520.1	8.75	0	0	2 MASCOT	T	
3.75E-02 0|0	Cs2g02520.1	6	0	0	2 MASCOT	T	PLEX8
1.48E-01 0|0	Cs2g02520.1	6	0	0	2 MASCOT	T	PLEX8
4.42E-02 0|0	Cs2g02520.1	6	0	0	2 MASCOT	T	PLEX8
1.44E-02 0|0	Cs2g02520.1	6	0	0	2 MASCOT	T	PLEX8
1.39E-01 0|0	Cs2g02520.1	6	0	0	2 MASCOT	T	PLEX8
1.30E-01 0|0	Cs2g02520.1	6	0	0	2 MASCOT	T	PLEX8
1.12E-01 0|0	Cs2g02520.1	6	0	0	2 MASCOT	T	PLEX8
4.01E-02 0|0	Cs2g02520.1	6	0	0	2 MASCOT	T	PLEX8
3.79E-02 0|0	Cs2g02520.1	6	0	0	2 MASCOT	T	PLEX8
2.51E-02 0|0	Cs2g02520.1	6	0	0	2 MASCOT	T	PLEX8
4.71E-02 0|0	Cs2g02520.1	6	0	0	2 MASCOT	T	PLEX8
9.56E-02 0|0	Cs2g02520.1	6	0	0	2 MASCOT	T	PLEX8
2.05E-01 0|0	Cs2g02520.1	6	0	0	2 MASCOT	T	PLEX8
1.66E-01 0|0	Cs2g02520.1	6	0	0	2 MASCOT	T	PLEX8

4.58E-02 0|0	Cs2g02520.1	6	0	0	2	MASCOT	T	PLEX8	
1.90E-02 0|0	Cs2g02520.1	6	0	0	2	MASCOT	T	PLEX8	
2.12E-02 0|0	Cs2g02520.1	6	0	0	2	MASCOT	T	PLEX8	
2.17E-02 0|0	Cs2g02520.1	6	0	0	2	MASCOT	T	PLEX8	
9.51E-02 0|0	Cs2g02520.1	6	0	0	2	MASCOT	T	PLEX8	
3.91E-02 0|0	Cs4g16390.1/Cs4g195	6.05	0	0	2	MASCOT	T	PLEX8	
5.86E-02 0|0	Cs4g16390.1/Cs4g163	4.53	0	0	2	MASCOT	T	PLEX8	
4.62E-02 0|0	Cs4g16390.1/Cs4g163	4.53	0	0	2	MASCOT	T	PLEX8	
9.27E-02 0|0	Cs4g16390.1/Cs4g163	4.53	0	0	2	MASCOT	T	PLEX8	
3.03E-03 0|0	Cs4g16390.1/Cs4g163	5.99	0	15.9	0	2	MASCOT	T	PLEX8
3.63E-02 0|0	Cs4g16390.1/Cs4g163	5.99	0	15.9	0	2	MASCOT	T	PLEX8
9.84E-02 0|0	Cs4g16390.1/Cs4g163	5.99	0	15.9	0	2	MASCOT	T	PLEX8
3.88E-02 0|0	Cs4g16390.1/Cs4g163	5.99	0	15.9	0	2	MASCOT	T	PLEX8
1.04E-02 0|0	Cs4g16390.1/Cs4g163	5.99	0	15.9	0	2	MASCOT	T	PLEX8
5.06E-03 0|0	Cs4g16390.1/Cs4g163	5.99	0	15.9	0	2	MASCOT	T	
1.71E-01 0|0	Cs4g16390.1/Cs4g163	5.99	0	15.9	0	2	MASCOT	T	
5.14E-03 0|0	Cs4g16390.1/Cs4g163	5.99	0	15.9	0	2	MASCOT	T	PLEX8
2.61E-03 0|0	Cs4g16390.1/Cs4g163	5.99	0	15.9	0	2	MASCOT	T	PLEX8
4.04E-02 0|0	Cs4g16390.1/Cs4g163	5.99	0	0	2	MASCOT	T	PLEX8	
4.63E-03 0|0	Cs4g16390.1/Cs4g163	5.99	0	0	2	MASCOT	T	PLEX8	
3.52E-02 0|0	Cs4g16390.1/Cs4g163	5.99	0	0	2	MASCOT	T	PLEX8	
5.94E-03 0|0	Cs4g16390.1/Cs4g163	5.99	0	0	2	MASCOT	T	PLEX8	
4.16E-02 0|0	Cs4g16390.1/Cs4g163	5.99	0	0	2	MASCOT	T	PLEX8	
3.79E-03 0|0	Cs4g16390.1/Cs4g163	5.99	0	0	2	MASCOT	T	PLEX8	
1.26E-01 0|0	Cs4g16390.1/Cs4g163	5.99	0	0	2	MASCOT	T	PLEX8	
1.28E-01 0|0	Cs4g16390.1/Cs4g163	5.99	0	0	2	MASCOT	T	PLEX8	
6.23E-02 0|0	Cs4g16390.1/Cs4g163	5.99	0	0	2	MASCOT	T	PLEX8	
7.83E-02 0|0	Cs4g16390.1/Cs4g163	5.99	0	0	2	MASCOT	T	PLEX8	
3.70E-02 0|0	Cs4g16390.1/Cs4g163	5.99	0	0	2	MASCOT	T	PLEX8	
1.01E-02 0|0	Cs4g16390.1/Cs4g163	5.99	0	0	2	MASCOT	T	PLEX8	
6.19E-02 0|0	Cs4g16390.1/Cs4g163	5.99	0	0	2	MASCOT	T	PLEX8	
4.44E-03 0|0	Cs4g16390.1/Cs4g163	5.99	0	0	2	MASCOT	T	PLEX8	
3.58E-02 0|0	Cs4g16390.1/Cs4g163	5.99	0	0	2	MASCOT	T	PLEX8	
4.22E-03 0|0	Cs4g16390.1/Cs4g163	5.99	0	0	2	MASCOT	T	PLEX8	
3.81E-02 0|0	Cs4g16390.1/Cs4g163	5.99	0	0	2	MASCOT	T	PLEX8	
3.62E-02 0|0	Cs4g16390.1/Cs4g163	5.99	0	0	2	MASCOT	T	PLEX8	
1.32E-01 0|0	Cs4g16390.1/Cs4g163	5.99	0	0	2	MASCOT	T		
3.49E-03 0|0	Cs4g16390.1/Cs4g163	5.99	0	0	2	MASCOT	T	PLEX8	
1.69E-01 0|0	Cs4g16390.1/Cs4g163	5.99	0	0	2	MASCOT	T	PLEX8	
6.06E-02 0|0	Cs4g16390.1/Cs4g163	5.99	0	0	2	MASCOT	T		
9.64E-04 0|0	Cs4g16390.1/Cs4g163	4.03	0	0	2	MASCOT	T	PLEX8	
5.39E-04 0|0	Cs4g16390.1/Cs4g163	4.03	0	0	2	MASCOT	T	PLEX8	
2.24E-02 0|0	Cs4g16390.1/Cs4g163	4.03	0	0	2	MASCOT	T	PLEX8	
5.93E-02 0|0	Cs4g16390.1/Cs4g163	4.03	0	0	2	MASCOT	T		
3.07E-06 0|0	Cs4g16390.1/Cs4g163	4.03	0	0	2	MASCOT	T		
1.98E-03 0|0	Cs4g16390.1/Cs4g163	4.03	0	0	2	MASCOT	T		
2.28E-03 0|0	Cs4g16390.1/Cs4g163	4.03	0	0	2	MASCOT	T		
2.33E-01 0|0	Cs4g16390.1/orange1.	4.21	0	0	2	MASCOT	T	PLEX8	
3.63E-03 0|0	Cs4g16390.1/orange1.	4.21	0	0	2	MASCOT	T	PLEX8	
5.94E-05 0|0	Cs4g16390.1/orange1.	4.21	0	0	2	MASCOT	T	PLEX8	
3.57E-07 0|0	Cs4g16390.1/orange1.	4.21	0	0	2	MASCOT	T	PLEX8	

1.35E-01	0|0	Cs4g16390.1/orange1.	4.21	0	0	2	MASCOT	T	PLEX8	
4.44E-03	0|0	Cs4g16390.1/orange1.	4.21	0	0	2	MASCOT	T	PLEX8	
4.20E-02	0|0	Cs4g16390.1/orange1.	4.21	0	0	2	MASCOT	T	PLEX8	
3.13E-02	0|0	Cs4g16390.1/orange1.	4.21	0	0	2	MASCOT	T	PLEX8	
8.95E-02	0|0	Cs4g16390.1/orange1.	4.21	0	0	2	MASCOT	T	PLEX8	
2.20E-03	0|0	Cs4g16390.1/orange1.	4.21	0	0	2	MASCOT	T	PLEX8	
1.67E-04	0|0	Cs4g16390.1/orange1.	4.21	0	0	2	MASCOT	T	PLEX8	
2.70E-01	0|0	Cs4g16390.1/orange1.	4.21	0	0	2	MASCOT	T		
6.43E-03	0|0	Cs4g16390.1/orange1.	4.21	0	0	2	MASCOT	T	PLEX8	
1.49E-03	0|0	Cs4g16390.1/orange1.	4.21	0	0	2	MASCOT	T	PLEX8	
5.73E-03	0|0	Cs4g16390.1/orange1.	4.21	0	0	2	MASCOT	T	PLEX8	
2.14E-01	0|0	Cs4g16390.1/Cs4g163	5.66	0	0	2	MASCOT	T	PLEX8	
2.13E-01	0|0	Cs4g16390.1/Cs4g163	5.66	0	0	2	MASCOT	T	PLEX8	
2.21E-01	0|0	Cs4g16390.1/Cs4g163	5.66	0	0	2	MASCOT	T	PLEX8	
2.07E-01	0|0	Cs4g16390.1/orange1.	4.21	0	0	2	MASCOT	T	PLEX8	
5.39E-03	0|0	Cs4g16390.1/orange1.	4.21	0	0	2	MASCOT	T	PLEX8	
1.85E-02	0|0	Cs4g16390.1/orange1.	4.21	0	0	2	MASCOT	T	PLEX8	
2.54E-06	0|0	Cs4g16390.1/orange1.	4.21	0	0	2	MASCOT	T	PLEX8	
2.54E-04	0|0	Cs4g16390.1/orange1.	4.21	0	0	2	MASCOT	T	PLEX8	
2.44E-06	0|0	Cs4g16390.1/orange1.	4.21	0	0	2	MASCOT	T	PLEX8	
1.43E-04	0|0	Cs4g16390.1/orange1.	4.21	0	0	2	MASCOT	T	PLEX8	
1.00E-03	0|0	Cs4g16390.1/orange1.	4.21	0	0	2	MASCOT	T	PLEX8	
1.28E-01	0|0	Cs4g16390.1/orange1.	4.21	0	0	2	MASCOT	T		
2.18E-01	0|0	Cs4g16390.1/orange1.	4.21	0	0	2	MASCOT	T	PLEX8	
1.94E-03	0|0	Cs4g16390.1/orange1.	4.21	0	0	2	MASCOT	T	PLEX8	
8.38E-03	0|0	Cs4g16390.1/orange1.	4.21	0	0	2	MASCOT	T		
1.01E-04	0|0	Cs4g16390.1/orange1.	4.21	0	0	2	MASCOT	T	PLEX8	
3.58E-02	0|0	Cs4g16390.1/orange1.	4.21	0	0	2	MASCOT	T	PLEX8	
4.62E-02	0|0	Cs4g16390.1/orange1.	4.21	0	0	2	MASCOT	T	PLEX8	
1.72E-04	0|0	Cs4g16390.1/orange1.	4.21	0	0	2	MASCOT	T		
8.28E-03	0|0	Cs4g16390.1/orange1.	4.21	0	0	2	MASCOT	T		
5.55E-02	0|0	Cs4g16390.1/Cs4g163	4.41	0	0	2	MASCOT	T	PLEX8	
2.25E-01	0|0	Cs4g16390.1/Cs4g163	4.41	0	0	2	MASCOT	T	PLEX8	
2.00E-02	0|0	Cs4g16390.1/orange1.	4.37	0	15.9	0	2	MASCOT	T	PLEX8
5.99E-04	0|0	Cs4g16390.1/orange1.	4.37	0	15.9	0	2	MASCOT	T	PLEX8
4.21E-05	0|0	Cs4g16390.1/orange1.	4.37	0	15.9	0	2	MASCOT	T	PLEX8
1.07E-03	0|0	Cs4g16390.1/orange1.	4.37	0	15.9	0	2	MASCOT	T	PLEX8
1.74E-04	0|0	Cs4g16390.1/orange1.	4.37	0	15.9	0	2	MASCOT	T	PLEX8
1.65E-03	0|0	Cs4g16390.1/orange1.	4.37	0	15.9	0	2	MASCOT	T	PLEX8
2.41E-04	0|0	Cs4g16390.1/orange1.	4.37	0	15.9	0	2	MASCOT	T	PLEX8
2.41E-04	0|0	Cs4g16390.1/orange1.	4.37	0	0	2	MASCOT	T	PLEX8	
3.48E-06	0|0	Cs4g16390.1/orange1.	4.37	0	0	2	MASCOT	T	PLEX8	
2.43E-02	0|0	Cs4g16390.1/orange1.	4.37	0	0	2	MASCOT	T	PLEX8	
8.85E-02	0|0	Cs4g16390.1/orange1.	4.37	0	0	2	MASCOT	T		
2.04E-02	0|0	Cs4g16390.1/orange1.	4.37	0	0	2	MASCOT	T	PLEX8	
1.13E-01	0|0	Cs4g16390.1/Cs4g195	6.1	0	0	2	MASCOT	T	PLEX8	
5.29E-03	0|0	Cs4g16390.1/Cs4g195	6.1	0	0	2	MASCOT	T	PLEX8	
2.12E-01	0|0	Cs4g16390.1/Cs4g195	6.1	0	0	2	MASCOT	T	PLEX8	
8.14E-02	0|0	Cs4g16390.1/Cs4g195	6.1	0	0	2	MASCOT	T	PLEX8	
1.29E-01	0|0	Cs4g16390.1/Cs4g195	6.1	0	0	2	MASCOT	T	PLEX8	
1.34E-02	0|0	Cs4g16390.1/Cs4g195	6.1	0	0	2	MASCOT	T	PLEX8	

4.36E-02	0|0	Cs4g16390.1/Cs4g195	6.1	0	0	2	MASCOT	T	PLEX8	
4.19E-02	0|0	Cs4g16390.1/Cs4g195	6.1	0	0	2	MASCOT	T	PLEX8	
2.96E-01	0|0	Cs4g16390.1/Cs4g195	6.1	0	0	2	MASCOT	T	PLEX8	
3.26E-02	0|0	Cs4g16390.1/Cs4g195	6.1	0	0	2	MASCOT	T	PLEX8	
2.61E-01	0|0	Cs4g16390.1/Cs4g195	6.1	0	0	2	MASCOT	T	PLEX8	
1.54E-01	0|0	Cs4g16390.1/Cs4g195	6.1	0	0	2	MASCOT	T	PLEX8	
3.15E-02	0|0	Cs4g16390.1/Cs4g195	6.1	0	0	2	MASCOT	T		
2.17E-01	0|0	Cs2g02990.1/Cs2g029	6.1	0	0	2	MASCOT	T	PLEX8	
1.18E-01	0|0	Cs2g02990.1/Cs2g029	6.1	0	0	2	MASCOT	T	PLEX8	
1.27E-01	0|0	Cs2g02990.1/Cs2g029	6.1	0	0	2	MASCOT	T		
8.00E-04	0|0	Cs2g02990.1/Cs2g029	6	0	0	2	MASCOT	T		
1.42E-01	0|0	Cs2g02990.1/Cs2g029	6	0	0	2	MASCOT	T		
1.58E-03	0|0	Cs2g02990.1/Cs2g029	6	0	0	2	MASCOT	T		
7.50E-04	0|0	Cs2g02990.1/Cs2g029	6	0	0	2	MASCOT	T		
1.37E-01	0|0	Cs4g16390.1/Cs4g163	8.52	0	15.9	0	2	MASCOT	T	PLEX8
1.29E-01	0|0	Cs4g16390.1/Cs4g163	8.52	0	15.9	0	2	MASCOT	T	PLEX8
1.32E-01	0|0	Cs4g16390.1/Cs4g163	8.52	0	15.9	0	2	MASCOT	T	PLEX8
2.17E-01	0|0	Cs4g16390.1/Cs4g163	8.52	0	15.9	0	2	MASCOT	T	
7.15E-02	0|0	Cs4g16390.1/Cs4g163	8.52	0	15.9	0	2	MASCOT	T	PLEX8
1.89E-01	0|0	Cs4g16390.1/Cs4g163	8.52	0	15.9	0	2	MASCOT	T	PLEX8
2.36E-01	0|0	Cs4g16390.1/Cs4g163	8.52	0	15.9	0	2	MASCOT	T	PLEX8
2.14E-02	0|0	Cs4g16390.1/Cs4g163	8.52	0	0	2	MASCOT	T	PLEX8	
4.31E-01	0|0	Cs4g16390.1/Cs4g163	8.52	0	0	2	MASCOT	T		
5.53E-02	0|0	Cs4g16390.1/Cs4g163	8.52	0	0	2	MASCOT	T	PLEX8	
2.02E-01	0|0	Cs4g16390.1/Cs4g163	8.52	0	0	2	MASCOT	T	PLEX8	
4.77E-02	0|0	Cs4g16390.1/Cs4g163	8.52	0	0	2	MASCOT	T		
4.42E-02	0|0	Cs4g16390.1/Cs4g163	8.52	0	0	2	MASCOT	T	PLEX8	
3.25E-03	0|0	Cs4g16390.1/orange1.	5.72	0	0	2	MASCOT	T	PLEX8	
2.25E-01	0|0	Cs4g16390.1/orange1.	5.72	0	0	2	MASCOT	T	PLEX8	
4.54E-02	0|0	Cs4g16390.1/orange1.	5.72	0	0	2	MASCOT	T	PLEX8	
1.08E-01	0|0	Cs4g16390.1/orange1.	5.72	0	0	2	MASCOT	T		
1.50E-01	0|0	Cs4g16390.1/orange1.	5.72	0	0	2	MASCOT	T	PLEX8	
6.69E-02	0|0	Cs4g16390.1/orange1.	5.72	0	0	2	MASCOT	T	PLEX8	
1.80E-01	0|0	Cs4g16390.1/orange1.	5.72	0	0	2	MASCOT	T		
9.99E-02	0|0	Cs7g29010.1/Cs8g182	4.4	0	0	2	MASCOT	T	PLEX8	
7.31E-03	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	PLEX8	
4.80E-03	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	PLEX8	
3.22E-04	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	PLEX8	
1.19E-03	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	PLEX8	
2.35E-03	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	PLEX8	
2.57E-04	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	PLEX8	
1.20E-03	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	PLEX8	
2.44E-05	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	PLEX8	
3.25E-04	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T		
6.28E-06	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	PLEX8	
2.48E-03	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T		
2.90E-05	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T		
1.03E-03	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T		
2.82E-03	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T		
1.54E-03	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T		
1.12E-04	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T		

7.95E-04	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T		
1.12E-01	0|0	Cs6g05890.1/Cs7g289	4.53	0	0	2	MASCOT	T	PLEX8	
4.05E-04	0|0	Cs6g05890.1/Cs7g289	5.84	0	0	2	MASCOT	T		
3.75E-03	0|0	Cs6g05890.1/Cs7g289	5.84	0	0	2	MASCOT	T		
8.20E-06	0|0	Cs6g05890.1/Cs7g289	4.53	0	0	2	MASCOT	T	PLEX8	
1.27E-04	0|0	Cs6g05890.1/Cs7g289	4.53	0	0	2	MASCOT	T	PLEX8	
1.11E-01	0|0	Cs6g05890.1/Cs7g289	4.53	0	0	2	MASCOT	T	PLEX8	
1.48E-01	0|0	Cs6g05890.1/Cs7g289	4.53	0	0	2	MASCOT	T	PLEX8	
2.10E-02	0|0	Cs6g05890.1/Cs7g289	4.53	0	0	2	MASCOT	T	PLEX8	
6.37E-02	0|0	Cs6g05890.1/Cs7g289	4.53	0	0	2	MASCOT	T	PLEX8	
1.17E-01	0|0	Cs6g05890.1/Cs7g289	4.53	0	0	2	MASCOT	T	PLEX8	
7.03E-03	0|0	Cs6g05890.1/Cs7g289	4.53	0	0	2	MASCOT	T	PLEX8	
7.32E-03	0|0	Cs6g05890.1/Cs7g289	6	0	0	2	MASCOT	T	PLEX8	
3.62E-03	0|0	Cs6g05890.1/Cs7g289	6	0	0	2	MASCOT	T	PLEX8	
1.07E-02	0|0	Cs6g05890.1/Cs7g289	6	0	0	2	MASCOT	T	PLEX8	
2.27E-03	0|0	Cs6g05890.1/Cs7g289	6	0	0	2	MASCOT	T	PLEX8	
6.36E-03	0|0	Cs6g05890.1/Cs7g289	6	0	0	2	MASCOT	T	PLEX8	
5.02E-02	0|0	Cs6g05890.1/Cs7g289	5.84	0	0	2	MASCOT	T	PLEX8	
2.46E-02	0|0	Cs6g05890.1/Cs7g289	5.84	0	0	2	MASCOT	T	PLEX8	
9.87E-03	0|0	Cs6g05890.1/Cs7g289	5.84	0	0	2	MASCOT	T		
1.01E-01	0|0	Cs6g05890.1/Cs7g289	5.84	0	0	2	MASCOT	T		
9.58E-04	0|0	Cs6g05890.1/Cs7g289	5.84	0	0	2	MASCOT	T	PLEX8	
5.56E-03	0|0	Cs6g05890.1/Cs7g289	5.84	0	0	2	MASCOT	T	PLEX8	
9.44E-05	0|0	Cs7g29010.1/Cs8g182	5.84	0	15.9	0	2	MASCOT	T	PLEX8
2.69E-02	0|0	Cs7g29010.1/Cs8g182	5.84	0	15.9	0	2	MASCOT	T	PLEX8
4.61E-05	0|0	Cs7g29010.1/Cs8g182	5.84	0	15.9	0	2	MASCOT	T	PLEX8
5.62E-02	0|0	Cs7g29010.1/Cs8g182	5.84	0	15.9	0	2	MASCOT	T	PLEX8
7.04E-04	0|0	Cs7g29010.1/Cs8g182	5.84	0	0	2	MASCOT	T	PLEX8	
2.34E-02	0|0	Cs7g29010.1/Cs8g182	5.84	0	0	2	MASCOT	T	PLEX8	
1.20E-03	0|0	Cs7g29010.1/Cs8g182	5.84	0	0	2	MASCOT	T	PLEX8	
1.43E-04	0|0	Cs7g29010.1/Cs8g182	5.84	0	0	2	MASCOT	T	PLEX8	
4.94E-02	0|0	Cs7g29010.1/Cs8g182	5.84	0	0	2	MASCOT	T	PLEX8	
7.95E-03	0|0	Cs7g29010.1/Cs8g182	5.84	0	0	2	MASCOT	T	PLEX8	
9.97E-04	0|0	Cs6g05890.1/Cs7g290	4.53	0	0	2	MASCOT	T	PLEX8	
5.86E-02	0|0	Cs7g28940.1/Cs7g290	6.46	0	0	2	MASCOT	T	PLEX8	
2.17E-04	0|0	Cs7g28940.1/Cs7g290	6.46	0	0	2	MASCOT	T	PLEX8	
2.49E-01	0|0	Cs7g28940.1/Cs7g290	6.46	0	0	2	MASCOT	T	PLEX8	
3.46E-04	0|0	Cs7g28940.1/Cs7g290	6.46	0	0	2	MASCOT	T	PLEX8	
2.41E-03	0|0	Cs6g05890.1/Cs7g289	4.14	0	15.9	0	2	MASCOT	T	
1.31E-03	0|0	Cs6g05890.1/Cs7g289	4.14	0	15.9	0	2	MASCOT	T	
4.30E-05	0|0	Cs6g05890.1/Cs7g289	4.14	0	15.9	0	2	MASCOT	T	
2.53E-03	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	PLEX8	
9.99E-05	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	PLEX8	
2.21E-02	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	PLEX8	
9.07E-04	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	PLEX8	
3.84E-04	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T		
2.48E-06	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T		
6.64E-05	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T		
2.69E-04	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T		
5.09E-01	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T		
2.54E-01	0|0	Cs6g05890.1/Cs7g289	6.5	0	15.9	0	2	MASCOT	T	PLEX8

2.48E-01	0|0	Cs6g05890.1/Cs7g289	6.5	0	15.9	0	2	MASCOT	T	PLEX8
1.45E-01	0|0	Cs6g05890.1/Cs7g289	6.5	0	15.9	0	2	MASCOT	T	PLEX8
4.14E-03	0|0	Cs6g05890.1/Cs7g289	6.5	0	15.9	0	2	MASCOT	T	PLEX8
3.71E-02	0|0	Cs6g05890.1/Cs7g289	6.5	0	0	0	2	MASCOT	T	PLEX8
3.84E-02	0|0	Cs6g05890.1/Cs7g289	6.5	0	0	0	2	MASCOT	T	PLEX8
4.78E-02	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	0	2	MASCOT	T	
3.94E-06	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	0	2	MASCOT	T	
2.32E-02	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	0	2	MASCOT	T	
6.87E-06	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	0	2	MASCOT	T	
3.44E-02	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	0	2	MASCOT	T	
1.67E-02	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	0	2	MASCOT	T	
5.59E-02	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	0	2	MASCOT	T	
6.94E-03	0|0	Cs4g04540.1	5.4	0	0	0	2	MASCOT	T	PLEX8
2.25E-01	0|0	Cs4g04540.1	5.4	0	0	0	2	MASCOT	T	PLEX8
1.28E-01	0|0	Cs4g04540.1	4.37	0	15.9	0	2	MASCOT	T	
2.09E-02	0|0	Cs4g04540.1	4.37	0	15.9	0	2	MASCOT	T	PLEX8
1.94E-01	0|0	Cs4g04540.1	4.37	0	15.9	0	2	MASCOT	T	PLEX8
1.49E-02	0|0	Cs4g04540.1	4.37	0	15.9	0	2	MASCOT	T	PLEX8
1.67E-01	0|0	Cs4g04540.1	4.37	0	0	0	2	MASCOT	T	PLEX8
3.28E-03	0|0	Cs4g04540.1	4.37	0	0	0	2	MASCOT	T	PLEX8
1.36E-02	0|0	Cs4g04540.1	4.03	0	0	0	2	MASCOT	T	PLEX8
3.42E-04	0|0	Cs4g04540.1	4.03	0	0	0	2	MASCOT	T	PLEX8
2.32E-02	0|0	Cs4g04540.1	4.65	0	0	0	2	MASCOT	T	PLEX8
4.17E-03	0|0	Cs4g04540.1	4.65	0	0	0	2	MASCOT	T	PLEX8
2.43E-02	0|0	Cs4g04540.1	4.65	0	0	0	2	MASCOT	T	PLEX8
5.47E-02	0|0	Cs4g04540.1	4.65	0	0	0	2	MASCOT	T	
4.62E-03	0|0	Cs4g04540.1	4.14	0	0	0	2	MASCOT	T	PLEX8
8.30E-03	0|0	Cs4g04540.1	4.14	0	0	0	2	MASCOT	T	PLEX8
2.62E-05	0|0	Cs4g04540.1	4.14	0	0	0	2	MASCOT	T	PLEX8
2.59E-06	0|0	Cs4g04540.1	4.14	0	0	0	2	MASCOT	T	PLEX8
7.56E-02	0|0	Cs4g04540.1	4.14	0	0	0	2	MASCOT	T	PLEX8
2.71E-05	0|0	Cs4g04540.1	4.14	0	0	0	2	MASCOT	T	
2.27E-05	0|0	Cs4g04540.1	4.14	0	0	0	2	MASCOT	T	PLEX8
6.71E-03	0|0	Cs4g04540.1	4.14	0	0	0	2	MASCOT	T	PLEX8
8.24E-02	0|0	Cs4g04540.1	5.81	0	0	0	2	MASCOT	T	PLEX8
1.69E-01	0|0	Cs4g04540.1	5.81	0	0	0	2	MASCOT	T	PLEX8
9.10E-02	0|0	Cs4g04540.1	5.81	0	0	0	2	MASCOT	T	PLEX8
8.88E-02	0|0	Cs4g04540.1	5.81	0	0	0	2	MASCOT	T	PLEX8
5.14E-02	0|0	Cs4g04540.1	6.75	0	0	0	2	MASCOT	T	PLEX8
4.12E-03	0|0	Cs4g04540.1	6.75	0	0	0	2	MASCOT	T	PLEX8
7.63E-02	0|0	Cs4g04540.1	6.75	0	0	0	2	MASCOT	T	PLEX8
4.30E-02	0|0	Cs4g04540.1	6.75	0	0	0	2	MASCOT	T	PLEX8
2.90E-02	0|0	Cs4g04540.1	6.75	0	0	0	2	MASCOT	T	PLEX8
2.71E-02	0|0	Cs4g04540.1	6.75	0	0	0	2	MASCOT	T	PLEX8
1.73E-01	0|0	Cs4g04540.1	6.75	0	0	0	2	MASCOT	T	
6.04E-02	0|0	Cs4g04540.1	6.75	0	0	0	2	MASCOT	T	PLEX8
3.07E-02	0|0	Cs4g04540.1	6.75	0	0	0	2	MASCOT	T	
1.22E-02	0|0	Cs4g04540.1	6.75	0	0	0	2	MASCOT	T	PLEX8
1.03E-01	0|0	Cs4g04540.1	6.75	0	0	0	2	MASCOT	T	
1.59E-02	0|0	Cs4g04540.1	5.32	0	0	0	2	MASCOT	T	
4.46E-01	0|0	Cs4g04540.1	5.32	0	0	0	2	MASCOT	T	

1.38E-04 0|0	Cs4g04540.1	5.32	0	0	2	MASCOT	T	PLEX8	
5.74E-03 0|0	Cs4g04540.1	5.32	0	0	2	MASCOT	T	PLEX8	
5.77E-02 0|0	Cs4g04540.1	5.32	0	0	2	MASCOT	T	PLEX8	
8.48E-05 0|0	Cs4g04540.1	5.32	0	0	2	MASCOT	T	PLEX8	
1.66E-02 0|0	Cs4g04540.1	5.32	0	0	2	MASCOT	T	PLEX8	
5.42E-04 0|0	Cs4g04540.1	5.32	0	0	2	MASCOT	T	PLEX8	
6.51E-03 0|0	Cs4g04540.1	5.32	0	0	2	MASCOT	T	PLEX8	
1.32E-02 0|0	Cs4g04540.1	5.32	0	0	2	MASCOT	T	PLEX8	
2.00E-03 0|0	Cs4g04540.1	5.32	0	0	2	MASCOT	T	PLEX8	
2.48E-02 0|0	Cs4g04540.1	5.32	0	0	2	MASCOT	T	PLEX8	
2.52E-05 0|0	Cs4g04540.1	5.32	0	0	2	MASCOT	T	PLEX8	
1.05E-03 0|0	Cs4g04540.1	5.32	0	0	2	MASCOT	T	PLEX8	
6.05E-02 0|0	Cs4g04540.1	5.32	0	0	2	MASCOT	T	PLEX8	
5.70E-03 0|0	Cs4g04540.1	6	0	15.9	0	2	MASCOT	T	PLEX8
7.35E-03 0|0	Cs4g04540.1	6	0	0	2	MASCOT	T	PLEX8	
8.67E-04 0|0	Cs4g04540.1	6	0	0	2	MASCOT	T	PLEX8	
1.07E-01 0|0	Cs4g04540.1	5.32	0	0	2	MASCOT	T	PLEX8	
1.92E-02 0|0	Cs4g04540.1	5.32	0	0	2	MASCOT	T	PLEX8	
9.48E-02 0|0	Cs4g04540.1	5.32	0	0	2	MASCOT	T	PLEX8	
8.04E-05 0|0	Cs4g04540.1	5.32	0	0	2	MASCOT	T	PLEX8	
4.24E-02 0|0	Cs4g04540.1	5.32	0	0	2	MASCOT	T	PLEX8	
1.57E-01 0|0	Cs4g04540.1	5.32	0	0	2	MASCOT	T		
5.19E-03 0|0	Cs4g04540.1	5.32	0	0	2	MASCOT	T	PLEX8	
3.21E-01 0|0	Cs4g04540.1	5.32	0	0	2	MASCOT	T	PLEX8	
1.39E-03 0|0	Cs4g04540.1	5.32	0	0	2	MASCOT	T	PLEX8	
1.98E-01 0|0	Cs4g04540.1	4.37	0	0	2	MASCOT	T	PLEX8	
2.27E-01 0|0	Cs4g04540.1	4.37	0	0	2	MASCOT	T	PLEX8	
2.53E-01 0|0	Cs4g04540.1	4.37	0	0	2	MASCOT	T	PLEX8	
8.23E-02 0|0	Cs4g04540.1	4.37	0	0	2	MASCOT	T		
1.36E-01 0|0	Cs4g04540.1	8.75	0	0	2	MASCOT	T		
2.10E-02 0|0	Cs4g04540.1	8.75	0	0	2	MASCOT	T		
2.84E-01 0|0	Cs4g04540.1	8.75	0	0	2	MASCOT	T	PLEX8	
1.49E-02 0|0	Cs4g04540.1	5.29	0	0	2	MASCOT	T	PLEX8	
3.74E-01 0|0	Cs4g04540.1	5.29	0	0	2	MASCOT	T	PLEX8	
1.38E-03 0|0	Cs4g04540.1	5.45	1	0	2	MASCOT	T	PLEX8	
1.44E-03 0|0	orange1.1t02649.1/ora	4.14	0	0	2	MASCOT	T	PLEX8	
2.09E-01 0|0	orange1.1t02649.1/ora	8.8	0	0	2	MASCOT	T	PLEX8	
1.91E-01 0|0	orange1.1t02649.1/ora	8.8	0	0	2	MASCOT	T	PLEX8	
8.52E-02 0|0	orange1.1t02649.1/ora	8.8	0	0	2	MASCOT	T	PLEX8	
1.34E-01 0|0	orange1.1t02649.1/ora	8.8	0	0	2	MASCOT	T	PLEX8	
1.31E-01 0|0	orange1.1t02649.1/ora	8.8	0	0	2	MASCOT	T	PLEX8	
7.40E-02 0|0	orange1.1t02649.1/ora	8.8	0	0	2	MASCOT	T	PLEX8	
9.33E-03 0|0	orange1.1t02649.1/ora	8.8	0	0	2	MASCOT	T	PLEX8	
8.48E-02 0|0	orange1.1t02649.1	4.21	0	0	2	MASCOT	T	PLEX8	
3.67E-02 0|0	orange1.1t02649.1/ora	5.3	0	15.9	0	2	MASCOT	T	PLEX8
2.65E-03 0|0	orange1.1t02649.1/ora	5.3	0	15.9	0	2	MASCOT	T	PLEX8
4.97E-04 0|0	orange1.1t02649.1/ora	5.3	0	15.9	0	2	MASCOT	T	PLEX8
1.14E-02 0|0	orange1.1t02649.1/ora	5.3	0	15.9	0	2	MASCOT	T	PLEX8
3.39E-02 0|0	orange1.1t02649.1/ora	5.3	0	15.9	0	2	MASCOT	T	
9.00E-05 0|0	orange1.1t02649.1/ora	5.3	0	15.9	0	2	MASCOT	T	PLEX8
8.47E-05 0|0	orange1.1t02649.1/ora	5.3	0	15.9	0	2	MASCOT	T	PLEX8

1.80E-02	0|0	orange1.1t02649.1/ora	5.3	0	15.9	0	2	MASCOT	T	PLEX8
2.13E-03	0|0	orange1.1t02649.1/ora	5.59	0		0	2	MASCOT	T	PLEX8
1.87E-03	0|0	orange1.1t02649.1/ora	5.59	0		0	2	MASCOT	T	PLEX8
3.39E-03	0|0	orange1.1t02649.1/ora	5.3	0		0	2	MASCOT	T	PLEX8
3.56E-04	0|0	orange1.1t02649.1/ora	5.3	0		0	2	MASCOT	T	PLEX8
1.32E-03	0|0	orange1.1t02649.1/ora	5.3	0		0	2	MASCOT	T	PLEX8
8.90E-04	0|0	orange1.1t02649.1/ora	5.3	0		0	2	MASCOT	T	PLEX8
4.46E-02	0|0	orange1.1t02649.1/ora	5.3	0		0	2	MASCOT	T	PLEX8
4.15E-04	0|0	orange1.1t02649.1/ora	5.3	0		0	2	MASCOT	T	
8.29E-02	0|0	orange1.1t02649.1/ora	5.81	0		0	2	MASCOT	T	PLEX8
3.73E-02	0|0	orange1.1t02649.1/ora	5.81	0		0	2	MASCOT	T	PLEX8
3.78E-02	0|0	orange1.1t02649.1/ora	5.81	0		0	2	MASCOT	T	PLEX8
9.60E-03	0|0	orange1.1t02649.1/ora	5.81	0		0	2	MASCOT	T	PLEX8
3.00E-03	0|0	orange1.1t02649.1/ora	5.81	0		0	2	MASCOT	T	PLEX8
2.83E-01	0|0	orange1.1t02649.1/ora	5.5	0		0	2	MASCOT	T	PLEX8
3.44E-01	0|0	orange1.1t02649.1/ora	5.5	0		0	2	MASCOT	T	PLEX8
7.70E-02	0|0	orange1.1t02649.1/ora	5.5	0		0	2	MASCOT	T	PLEX8
2.53E-01	0|0	orange1.1t02649.1/ora	9.72	0		0	2	MASCOT	T	PLEX8
2.68E-01	0|0	orange1.1t02649.1/ora	8.72	0	15.9	0	2	MASCOT	T	PLEX8
2.30E-01	0|0	orange1.1t02649.1/ora	8.72	0		0	2	MASCOT	T	PLEX8
1.47E-02	0|0	orange1.1t02649.1/ora	4.37	0		0	2	MASCOT	T	PLEX8
1.57E-02	0|0	orange1.1t02649.1/ora	4.37	0		0	2	MASCOT	T	PLEX8
5.10E-02	0|0	orange1.1t02649.1/ora	4.37	0		0	2	MASCOT	T	PLEX8
3.22E-03	0|0	orange1.1t02649.1/ora	4.37	0		0	2	MASCOT	T	PLEX8
5.46E-05	0|0	orange1.1t02649.1/ora	4.37	0		0	2	MASCOT	T	PLEX8
1.41E-01	0|0	orange1.1t02649.1/ora	4.37	0		0	2	MASCOT	T	PLEX8
3.93E-02	0|0	orange1.1t02649.1/ora	4.37	0		0	2	MASCOT	T	PLEX8
2.18E-03	0|0	orange1.1t02649.1	5.4	0		0	2	MASCOT	T	PLEX8
1.80E-04	0|0	orange1.1t02649.1	5.4	0		0	2	MASCOT	T	PLEX8
2.58E-06	0|0	orange1.1t02649.1	5.4	0		0	2	MASCOT	T	PLEX8
8.40E-05	0|0	orange1.1t02649.1	5.4	0		0	2	MASCOT	T	PLEX8
1.67E-01	0|0	orange1.1t02649.1	5.4	0		0	2	MASCOT	T	PLEX8
2.11E-01	0|0	orange1.1t02649.1	5.4	0		0	2	MASCOT	T	PLEX8
1.71E-02	0|0	orange1.1t02649.1	5.4	0		0	2	MASCOT	T	PLEX8
5.64E-07	0|0	orange1.1t02649.1	5.4	0		0	2	MASCOT	T	PLEX8
1.96E-03	0|0	orange1.1t02649.1	5.4	0		0	2	MASCOT	T	PLEX8
5.00E-02	0|0	orange1.1t02649.1/ora	4.53	0	15.9	0	2	MASCOT	T	PLEX8
1.51E-01	0|0	orange1.1t02649.1/ora	4.53	0	15.9	0	2	MASCOT	T	PLEX8
3.32E-03	0|0	orange1.1t02649.1/ora	4.53	0	15.9	0	2	MASCOT	T	PLEX8
1.46E-02	0|0	orange1.1t02649.1/ora	4.53	0		0	2	MASCOT	T	
2.00E-02	0|0	orange1.1t02649.1	5.75	0	15.9	0	2	MASCOT	T	PLEX8
6.92E-02	0|0	orange1.1t02649.1	5.75	0	15.9	0	2	MASCOT	T	PLEX8
8.13E-02	0|0	orange1.1t02649.1	5.75	0	15.9	0	2	MASCOT	T	PLEX8
1.70E-06	0|0	orange1.1t02649.1/ora	4.25	0	15.9	0	2	MASCOT	T	
3.10E-05	0|0	orange1.1t02649.1/ora	4.25	0	15.9	0	2	MASCOT	T	
4.96E-07	0|0	orange1.1t02649.1/ora	4.25	0	15.9	0	2	MASCOT	T	
2.51E-08	0|0	orange1.1t02649.1/ora	4.25	0		0	2	MASCOT	T	
1.27E-01	0|0	orange1.1t03281.1/ora	4.37	0		0	2	MASCOT	T	PLEX8
6.48E-03	0|0	orange1.1t03281.1/ora	4.37	0		0	2	MASCOT	T	PLEX8
4.32E-06	0|0	orange1.1t03281.1/ora	4.37	0		0	2	MASCOT	T	PLEX8
1.73E-02	0|0	orange1.1t03281.1/ora	4.37	0		0	2	MASCOT	T	PLEX8

6.82E-02	0|0	orange1.1t03281.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
2.41E-01	0|0	orange1.1t03281.1/ora	5.84	0	0	2	MASCOT	T	PLEX8	
1.37E-03	0|0	orange1.1t03281.1	6	0	0	2	MASCOT	T	PLEX8	
1.88E-03	0|0	orange1.1t03281.1	6	0	0	2	MASCOT	T	PLEX8	
1.02E-03	0|0	orange1.1t03281.1	6	0	0	2	MASCOT	T	PLEX8	
9.91E-04	0|0	orange1.1t03281.1	6	0	0	2	MASCOT	T	PLEX8	
2.39E-02	0|0	orange1.1t03281.1	6	0	0	2	MASCOT	T	PLEX8	
2.98E-01	0|0	orange1.1t03281.1/ora	10	0	15.9	0	2	MASCOT	T	PLEX8
4.30E-04	0|0	orange1.1t03280.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
4.21E-04	0|0	orange1.1t03280.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
4.57E-06	0|0	orange1.1t03280.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
3.57E-03	0|0	orange1.1t03280.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
4.12E-06	0|0	orange1.1t03280.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
2.04E-03	0|0	orange1.1t03280.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
1.48E-01	0|0	orange1.1t03280.1/ora	4.37	0	0	2	MASCOT	T		
2.85E-07	0|0	orange1.1t03280.1/ora	4.37	0	0	2	MASCOT	T		
5.68E-09	0|0	orange1.1t03280.1/ora	4.37	0	0	2	MASCOT	T		
2.71E-08	0|0	orange1.1t03280.1/ora	4.37	0	0	2	MASCOT	T		
2.82E-06	0|0	orange1.1t03280.1/ora	4.37	0	0	2	MASCOT	T		
2.71E-06	0|0	orange1.1t03280.1/ora	4.37	0	0	2	MASCOT	T		
2.75E-02	0|0	orange1.1t03281.1/ora	10	0	0	2	MASCOT	T	PLEX8	
8.41E-01	0|0	orange1.1t03281.1	6	0	0	2	MASCOT	T	PLEX8	
4.81E-01	0|0	orange1.1t03281.1	6	0	0	2	MASCOT	T	PLEX8	
1.16E-02	0|0	orange1.1t03281.1/ora	4	0	15.9	0	2	MASCOT	T	PLEX8
1.80E-01	0|0	orange1.1t03281.1	5.38	0	15.9	0	2	MASCOT	T	PLEX8
9.68E-02	0|0	orange1.1t03281.1/ora	4	0	0	2	MASCOT	T	PLEX8	
7.19E-02	0|0	orange1.1t03281.1/ora	4	0	0	2	MASCOT	T	PLEX8	
1.50E-03	0|0	orange1.1t03281.1/ora	4	0	0	2	MASCOT	T	PLEX8	
3.14E-02	0|0	orange1.1t03281.1	4.37	0	0	2	MASCOT	T	PLEX8	
3.12E-01	0|0	orange1.1t03281.1	4.37	0	0	2	MASCOT	T	PLEX8	
3.89E-02	0|0	orange1.1t03281.1	4.37	0	0	2	MASCOT	T	PLEX8	
4.20E-03	0|0	orange1.1t03281.1	4.37	0	0	2	MASCOT	T	PLEX8	
3.58E-03	0|0	orange1.1t03281.1	4.37	0	0	2	MASCOT	T	PLEX8	
5.91E-02	0|0	orange1.1t03280.1/ora	11	0	0	2	MASCOT	T	PLEX8	
3.45E-01	0|0	orange1.1t03280.1/ora	11	0	0	2	MASCOT	T	PLEX8	
9.31E-02	0|0	orange1.1t03281.1/ora	8.6	0	15.9	0	2	MASCOT	T	PLEX8
7.69E-02	0|0	orange1.1t03281.1/ora	8.6	0	0	2	MASCOT	T	PLEX8	
2.07E-01	0|0	orange1.1t03281.1/ora	8.6	0	0	2	MASCOT	T	PLEX8	
3.76E-02	0|0	orange1.1t03280.1/ora	8.8	0	0	2	MASCOT	T	PLEX8	
2.57E-02	0|0	orange1.1t03280.1/ora	8.8	0	0	2	MASCOT	T	PLEX8	
3.28E-02	0|0	orange1.1t03280.1/ora	8.8	0	0	2	MASCOT	T	PLEX8	
5.31E-02	0|0	orange1.1t03280.1/ora	8.8	0	0	2	MASCOT	T	PLEX8	
3.57E-02	0|0	orange1.1t03280.1/ora	8.8	0	0	2	MASCOT	T		
5.62E-04	0|0	orange1.1t03281.1/ora	6.79	0	0	2	MASCOT	T	PLEX8	
5.93E-04	0|0	orange1.1t03281.1/ora	6.79	0	0	2	MASCOT	T	PLEX8	
3.75E-01	0|0	orange1.1t03281.1/ora	6.79	0	0	2	MASCOT	T	PLEX8	
3.29E-01	0|0	orange1.1t03281.1/ora	6.79	0	0	2	MASCOT	T	PLEX8	
1.86E-01	0|0	orange1.1t03281.1/ora	6.79	0	0	2	MASCOT	T	PLEX8	
2.25E-02	0|0	orange1.1t03281.1/ora	6.79	0	0	2	MASCOT	T		
2.06E-04	0|0	orange1.1t03281.1/ora	6.79	0	0	2	MASCOT	T		
2.06E-02	0|0	orange1.1t03281.1/ora	4.53	0	0	2	MASCOT	T	PLEX8	

3.08E-01	0|0	orange1.1t03281.1/ora	4.53	0	0	2	MASCOT	T	PLEX8	
2.23E-01	0|0	orange1.1t03281.1/ora	4.53	0	0	2	MASCOT	T	PLEX8	
2.53E-02	0|0	orange1.1t03533.1	5.87	0	0	2	MASCOT	T	PLEX8	
6.07E-02	0|0	orange1.1t03533.1	5.87	0	0	2	MASCOT	T		
1.04E-01	0|0	Cs3g15530.1/orange1.	5.32	0	0	2	MASCOT	T		
2.57E-02	0|0	Cs3g15540.1/Cs3g155	6.74	0	15.9	0	2	MASCOT	T	PLEX8
8.83E-02	0|0	Cs3g15540.1/Cs3g155	6.74	0	15.9	0	2	MASCOT	T	PLEX8
3.75E-02	0|0	Cs3g15540.1/Cs3g155	6.74	0	15.9	0	2	MASCOT	T	PLEX8
1.02E-03	0|0	Cs3g15540.1/Cs3g155	6.74	0	15.9	0	2	MASCOT	T	PLEX8
2.08E-04	0|0	Cs3g15540.1/Cs3g155	6.74	0	15.9	0	2	MASCOT	T	PLEX8
6.93E-02	0|0	Cs3g15540.1/Cs3g155	6.74	0	15.9	0	2	MASCOT	T	PLEX8
1.80E-03	0|0	Cs3g15540.1/Cs3g155	6.74	0	15.9	0	2	MASCOT	T	PLEX8
3.79E-03	0|0	Cs3g15540.1/Cs3g155	6.74	0	15.9	0	2	MASCOT	T	PLEX8
5.49E-02	0|0	Cs3g15540.1/Cs3g155	6.74	0	15.9	0	2	MASCOT	T	PLEX8
5.49E-03	0|0	Cs3g15540.1/Cs3g155	6.74	0	15.9	0	2	MASCOT	T	PLEX8
6.12E-03	0|0	Cs3g15540.1/Cs3g155	6.74	0	0	2	MASCOT	T	PLEX8	
1.21E-01	0|0	Cs3g15540.1/Cs3g155	6.74	0	0	2	MASCOT	T	PLEX8	
4.75E-02	0|0	Cs3g15540.1/Cs3g155	6.74	0	0	2	MASCOT	T	PLEX8	
2.84E-03	0|0	Cs3g15540.1/Cs3g155	6.74	0	0	2	MASCOT	T	PLEX8	
1.08E-03	0|0	Cs3g15540.1/Cs3g155	6.74	0	0	2	MASCOT	T	PLEX8	
2.59E-02	0|0	Cs3g15540.1/Cs3g155	6.74	0	0	2	MASCOT	T	PLEX8	
9.14E-03	0|0	Cs3g15540.1/Cs3g155	6.74	0	0	2	MASCOT	T	PLEX8	
3.18E-03	0|0	Cs3g15540.1/Cs3g155	6.74	0	0	2	MASCOT	T		
6.40E-04	0|0	Cs3g15540.1/Cs3g155	6.74	0	0	2	MASCOT	T		
7.90E-03	0|0	Cs3g15540.1/Cs3g155	6.74	0	0	2	MASCOT	T		
8.02E-04	0|0	Cs3g06370.1/Cs7g160	4.37	0	0	2	MASCOT	T	PLEX8	
4.91E-02	0|0	Cs3g06370.1/Cs7g160	6.06	1	0	2	MASCOT	T	PLEX8	
2.90E-02	0|0	Cs3g06370.1/Cs7g160	6.06	1	0	2	MASCOT	T	PLEX8	
9.39E-02	0|0	orange1.1t03533.1	6	0	0	2	MASCOT	T	PLEX8	
3.28E-02	0|0	orange1.1t03533.1	6	0	0	2	MASCOT	T	PLEX8	
1.26E-01	0|0	orange1.1t03533.1	6	0	0	2	MASCOT	T	PLEX8	
3.42E-02	0|0	orange1.1t03533.1	5.5	0	15.9	0	2	MASCOT	T	
4.40E-01	0|0	Cs3g06370.1/Cs3g155	8.59	0	0	2	MASCOT	T	PLEX8	
2.22E-03	0|0	Cs3g06370.1/Cs3g155	9.8	0	0	2	MASCOT	T	PLEX8	
1.92E-01	0|0	Cs3g06370.1/Cs3g155	9.8	0	0	2	MASCOT	T	PLEX8	
4.70E-02	0|0	Cs3g06370.1/Cs3g155	9.8	0	0	2	MASCOT	T	PLEX8	
1.61E-03	0|0	Cs3g06370.1/Cs3g155	9.8	0	0	2	MASCOT	T	PLEX8	
1.33E-04	0|0	Cs3g06370.1/Cs3g155	9.8	0	0	2	MASCOT	T	PLEX8	
2.04E-03	0|0	Cs3g06370.1/Cs3g155	9.8	0	0	2	MASCOT	T	PLEX8	
4.61E-02	0|0	Cs3g06370.1/Cs3g155	9.8	0	0	2	MASCOT	T	PLEX8	
2.02E-01	0|0	Cs3g06370.1/Cs3g155	9.8	0	0	2	MASCOT	T	PLEX8	
5.64E-02	0|0	Cs3g06370.1/Cs3g155	4.53	0	0	2	MASCOT	T	PLEX8	
1.67E-02	0|0	orange1.1t03533.1	4.54	0	0	2	MASCOT	T	PLEX8	
8.56E-02	0|0	orange1.1t03533.1	7.01	0	15.9	0	2	MASCOT	T	PLEX8
1.71E-03	0|0	Cs3g15540.1/Cs3g155	6.75	0	0	2	MASCOT	T	PLEX8	
7.22E-02	0|0	Cs3g15540.1/Cs3g155	6.75	0	0	2	MASCOT	T	PLEX8	
5.55E-03	0|0	Cs3g15540.1/Cs3g155	6.75	0	0	2	MASCOT	T	PLEX8	
1.26E-01	0|0	Cs3g15540.1/Cs3g155	6.75	0	0	2	MASCOT	T		
2.89E-03	0|0	Cs3g06370.1/Cs3g155	6.74	0	0	2	MASCOT	T	PLEX8	
1.99E-02	0|0	Cs3g06370.1/Cs3g155	6.74	0	0	2	MASCOT	T	PLEX8	
4.32E-02	0|0	Cs3g06370.1/Cs3g155	6.74	0	0	2	MASCOT	T		

6.00E-02	0|0	Cs3g06370.1/Cs3g155	6.74	0	0	2	MASCOT	T		
7.72E-02	0|0	Cs3g06370.1/Cs3g155	6.74	0	0	2	MASCOT	T	PLEX8	
3.35E-02	0|0	Cs3g06370.1/Cs3g155	6.74	0	0	2	MASCOT	T		
5.21E-02	0|0	Cs3g06370.1/Cs3g155	6.74	0	0	2	MASCOT	T		
1.51E-01	0|0	Cs3g15530.1/Cs3g155	8.59	0	0	2	MASCOT	T	PLEX8	
2.08E-01	0|0	Cs3g15530.1/Cs3g155	8.59	0	0	2	MASCOT	T		
2.67E-01	0|0	Cs3g15530.1/Cs3g155	8.59	0	0	2	MASCOT	T	PLEX8	
8.21E-05	0|0	Cs7g25650.1/Cs7g256	4.03	0	0	2	MASCOT	T	PLEX8	
1.70E-04	0|0	Cs7g25650.1/Cs7g256	4.03	0	0	2	MASCOT	T	PLEX8	
1.15E-01	0|0	Cs7g25650.1/Cs7g256	4.03	0	0	2	MASCOT	T	PLEX8	
1.35E-04	0|0	Cs7g25650.1/Cs7g256	4.03	0	0	2	MASCOT	T		
2.14E-02	0|0	Cs7g25650.1/Cs7g256	4.03	0	0	2	MASCOT	T		
6.23E-02	0|0	Cs7g25650.1/Cs7g256	4.03	0	0	2	MASCOT	T		
2.29E-01	0|0	Cs7g25650.1/Cs7g256	4.03	0	0	2	MASCOT	T		
7.01E-02	0|0	Cs7g25650.1/Cs7g256	4.03	0	0	2	MASCOT	T	PLEX8	
1.42E-03	0|0	Cs7g25650.1/Cs7g256	4.54	0	0	2	MASCOT	T	PLEX8	
8.04E-02	0|0	Cs7g25650.1/Cs7g256	4.53	0	15.9	0	2	MASCOT	T	PLEX8
6.41E-02	0|0	Cs7g25650.1/Cs7g256	4.53	0	15.9	0	2	MASCOT	T	PLEX8
8.30E-05	0|0	Cs7g25650.1/Cs7g256	4.53	0	0	2	MASCOT	T	PLEX8	
1.48E-03	0|0	Cs7g25650.1/Cs7g256	4.53	0	0	2	MASCOT	T	PLEX8	
6.52E-02	0|0	Cs7g25650.1/Cs7g256	5.21	0	0	2	MASCOT	T	PLEX8	
2.81E-03	0|0	Cs7g25650.1/Cs7g256	6.74	0	0	2	MASCOT	T	PLEX8	
3.58E-02	0|0	Cs7g25650.1/Cs7g256	6.74	0	0	2	MASCOT	T	PLEX8	
5.92E-02	0|0	Cs7g25650.1/Cs7g256	6.74	0	0	2	MASCOT	T		
3.42E-02	0|0	Cs7g25650.1/Cs7g256	8.75	0	0	2	MASCOT	T	PLEX8	
6.26E-04	0|0	Cs7g25650.1/Cs7g256	8.75	0	0	2	MASCOT	T	PLEX8	
1.19E-03	0|0	Cs7g25650.1/Cs7g256	8.75	0	0	2	MASCOT	T	PLEX8	
3.02E-04	0|0	Cs7g25650.1/Cs7g256	8.75	0	0	2	MASCOT	T	PLEX8	
2.20E-03	0|0	Cs7g25650.1/Cs7g256	8.75	0	0	2	MASCOT	T	PLEX8	
4.35E-02	0|0	Cs7g25650.1/Cs7g256	8.75	0	0	2	MASCOT	T	PLEX8	
3.32E-02	0|0	Cs7g25650.1/Cs7g256	8.75	0	0	2	MASCOT	T	PLEX8	
1.01E-03	0|0	Cs7g25650.1/Cs7g256	8.75	0	0	2	MASCOT	T	PLEX8	
1.32E-03	0|0	Cs7g25650.1/Cs7g256	8.75	0	0	2	MASCOT	T	PLEX8	
6.27E-04	0|0	Cs7g25650.1/Cs7g256	8.75	0	0	2	MASCOT	T	PLEX8	
1.35E-01	0|0	Cs7g25650.1/Cs7g256	8.75	0	0	2	MASCOT	T	PLEX8	
8.34E-02	0|0	Cs7g25650.1/Cs7g256	4.37	0	0	2	MASCOT	T	PLEX8	
2.14E-01	0|0	Cs7g25650.1/Cs7g256	4.37	0	0	2	MASCOT	T	PLEX8	
1.70E-01	0|0	Cs7g25650.1/Cs7g256	4.31	0	15.9	0	2	MASCOT	T	PLEX8
1.82E-01	0|0	Cs7g25650.1/Cs7g256	4.31	0	15.9	0	2	MASCOT	T	PLEX8
1.62E-02	0|0	Cs7g25650.1/Cs7g256	4.31	0	0	2	MASCOT	T	PLEX8	
4.71E-02	0|0	Cs7g25650.1/Cs7g256	5.97	0	0	2	MASCOT	T	PLEX8	
1.18E-01	0|0	Cs7g25650.1/Cs7g256	5.97	0	0	2	MASCOT	T	PLEX8	
4.66E-02	0|0	Cs7g25650.1/Cs7g256	4.37	0	0	2	MASCOT	T	PLEX8	
1.49E-02	0|0	Cs7g25650.1/Cs7g256	4.37	0	0	2	MASCOT	T	PLEX8	
2.71E-02	0|0	Cs7g25650.1/Cs7g256	4.37	0	0	2	MASCOT	T	PLEX8	
2.66E-02	0|0	Cs7g25650.1/Cs7g256	4.37	0	0	2	MASCOT	T	PLEX8	
7.07E-02	0|0	Cs7g25650.1/Cs7g256	5.33	0	0	2	MASCOT	T		
2.40E-02	0|0	Cs7g25650.1/Cs7g256	5.33	0	0	2	MASCOT	T		
2.09E-02	0|0	Cs7g25650.1/Cs7g256	5.32	0	0	2	MASCOT	T	PLEX8	
1.37E-02	0|0	Cs7g25650.1/Cs7g256	5.32	0	0	2	MASCOT	T	PLEX8	
3.04E-01	0|0	Cs7g25650.1/Cs7g256	5.32	0	0	2	MASCOT	T	PLEX8	

6.18E-02	0|0	Cs7g25650.1/Cs7g256	5.32	0	0	2	MASCOT	T		
1.46E-01	0|0	Cs7g25650.1/Cs7g256	5.55	0	0	2	MASCOT	T	PLEX8	
5.32E-03	0|0	Cs7g25650.1/Cs7g256	5.81	0	15.9	0	2	MASCOT	T	
8.39E-03	0|0	Cs7g25650.1/Cs7g256	5.81	0	15.9	0	2	MASCOT	T	
6.05E-04	0|0	Cs7g25650.1/Cs7g256	5.81	0	0	2	MASCOT	T		
1.61E-03	0|0	Cs7g25650.1/Cs7g256	5.81	0	0	2	MASCOT	T		
2.73E-05	0|0	Cs7g25650.1/Cs7g256	5.81	0	0	2	MASCOT	T		
4.82E-02	0|0	Cs7g25650.1/Cs7g256	9.72	0	0	2	MASCOT	T	PLEX8	
4.24E-02	0|0	Cs9g11200.1	4.37	0	0	2	MASCOT	T		
9.89E-03	0|0	Cs9g11200.1	4.37	0	0	2	MASCOT	T		
2.54E-01	0|0	Cs9g11200.1	4.37	0	0	2	MASCOT	T		
2.48E-02	0|0	Cs9g11200.1	4.37	0	0	2	MASCOT	T		
1.04E-01	0|0	Cs9g11200.1	4.37	0	0	2	MASCOT	T	PLEX8	
2.34E-01	0|0	Cs2g24950.1 ! Cs9g11	6	0	0	2	MASCOT	T		
1.44E-02	0|0	Cs9g11200.1	8.25	0	0	2	MASCOT	T	PLEX8	
2.38E-02	0|0	Cs9g11200.1	9.75	0	0	2	MASCOT	T	PLEX8	
7.29E-02	0|0	Cs9g11200.1	9.75	0	0	2	MASCOT	T	PLEX8	
5.59E-03	0|0	Cs9g11200.1	9.75	0	0	2	MASCOT	T	PLEX8	
7.54E-02	0|0	Cs9g11200.1	6.42	0	0	2	MASCOT	T	PLEX8	
1.15E-02	0|0	Cs9g11200.1	9.44	0	0	2	MASCOT	T	PLEX8	
3.04E-01	0|0	Cs9g11200.1	9.44	0	0	2	MASCOT	T	PLEX8	
3.01E-03	0|0	Cs9g11200.1	9.44	0	0	2	MASCOT	T	PLEX8	
1.10E-02	0|0	Cs9g11200.1	9.44	0	0	2	MASCOT	T		
5.06E-03	0|0	Cs9g11200.1	9.44	0	0	2	MASCOT	T	PLEX8	
1.97E-02	0|0	Cs9g11200.1	5.66	0	0	2	MASCOT	T	PLEX8	
2.30E-01	0|0	Cs9g11200.1	5.66	0	0	2	MASCOT	T	PLEX8	
3.17E-01	0|0	Cs9g11200.1	4.56	0	0	2	MASCOT	T	PLEX8	
4.27E-02	0|0	Cs9g11200.1	4.56	0	0	2	MASCOT	T		
2.83E-01	0|0	Cs9g11200.1	5.32	0	15.9	0	2	MASCOT	T	PLEX8
6.68E-02	0|0	Cs9g11200.1	5.32	0	15.9	0	2	MASCOT	T	PLEX8
3.29E-02	0|0	Cs9g11200.1	5.32	0	0	2	MASCOT	T	PLEX8	
3.61E-02	0|0	Cs9g11200.1	5.32	0	0	2	MASCOT	T	PLEX8	
1.77E-02	0|0	Cs9g11200.1	5.32	0	0	2	MASCOT	T	PLEX8	
2.16E-04	0|0	Cs9g11200.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
2.53E-01	0|0	Cs9g11200.1	5.84	0	0	2	MASCOT	T	PLEX8	
5.99E-02	0|0	Cs9g11200.1	5.84	0	0	2	MASCOT	T	PLEX8	
1.41E-03	0|0	Cs9g11200.1	5.84	0	0	2	MASCOT	T	PLEX8	
3.41E-04	0|0	Cs9g11200.1	5.84	0	0	2	MASCOT	T	PLEX8	
4.33E-07	0|0	Cs9g11200.1	5.84	0	0	2	MASCOT	T	PLEX8	
6.33E-02	0|0	Cs9g11200.1	6	0	0	2	MASCOT	T	PLEX8	
9.80E-02	0|0	Cs9g11200.1	6	0	0	2	MASCOT	T	PLEX8	
1.41E-02	0|0	Cs9g11200.1	6	0	0	2	MASCOT	T	PLEX8	
2.20E-03	0|0	Cs9g11200.1	6	0	0	2	MASCOT	T	PLEX8	
2.81E-01	0|0	Cs9g11200.1	6	0	0	2	MASCOT	T	PLEX8	
2.55E-03	0|0	Cs9g11200.1	6	0	0	2	MASCOT	T	PLEX8	
3.98E-03	0|0	Cs9g11200.1	6	0	0	2	MASCOT	T	PLEX8	
2.38E-02	0|0	Cs9g11200.1	6	0	0	2	MASCOT	T	PLEX8	
6.12E-04	0|0	Cs9g11200.1	6	0	0	2	MASCOT	T	PLEX8	
7.83E-02	0|0	Cs9g11200.1	6	0	0	2	MASCOT	T		
1.07E-01	0|0	Cs9g11200.1	6	0	0	2	MASCOT	T		
6.75E-03	0|0	Cs9g11200.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8

1.25E-05 0|0	Cs9g11200.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
2.62E-02 0|0	Cs9g11200.1	4.53	0		0	2	MASCOT	T	PLEX8
3.99E-02 0|0	Cs9g11200.1	4.53	0		0	2	MASCOT	T	
4.16E-01 0|0	Cs9g11200.1	6	0		0	2	MASCOT	T	PLEX8
7.57E-04 0|0	Cs9g11200.1	4.08	1		0	2	MASCOT	T	PLEX8
3.71E-03 0|0	Cs9g11200.1	4.08	1		0	2	MASCOT	T	PLEX8
2.05E-04 0|0	Cs9g11200.1	4.08	1		0	2	MASCOT	T	PLEX8
1.45E-04 0|0	Cs9g11200.1	4.08	1		0	2	MASCOT	T	PLEX8
1.79E-01 0|0	orange1.1t03426.1/ora	4.37	0		0	2	MASCOT	T	PLEX8
3.06E-02 0|0	orange1.1t03426.1/ora	8.76	0		0	2	MASCOT	T	PLEX8
5.67E-03 0|0	orange1.1t03426.1/ora	8.76	0		0	2	MASCOT	T	
1.97E-02 0|0	orange1.1t03426.1/ora	8.76	0		0	2	MASCOT	T	
1.79E-03 0|0	orange1.1t03426.1/ora	8.75	0		0	2	MASCOT	T	PLEX8
4.04E-04 0|0	orange1.1t03426.1/ora	8.75	0		0	2	MASCOT	T	PLEX8
3.22E-03 0|0	orange1.1t03426.1/ora	8.75	0		0	2	MASCOT	T	PLEX8
2.09E-01 0|0	orange1.1t03426.1/ora	8.75	0		0	2	MASCOT	T	PLEX8
7.27E-03 0|0	orange1.1t03426.1/ora	8.75	0		0	2	MASCOT	T	PLEX8
1.99E-04 0|0	orange1.1t03426.1/ora	8.75	0		0	2	MASCOT	T	PLEX8
1.21E-02 0|0	orange1.1t03426.1/ora	8.75	0		0	2	MASCOT	T	PLEX8
8.09E-02 0|0	orange1.1t03426.1/ora	8.75	0		0	2	MASCOT	T	PLEX8
1.34E-02 0|0	orange1.1t03426.1/ora	4.11	1		0	2	MASCOT	T	PLEX8
4.19E-02 0|0	orange1.1t03426.1/ora	4.11	1		0	2	MASCOT	T	
2.09E-02 0|0	orange1.1t03426.1/ora	4.11	1		0	2	MASCOT	T	PLEX8
5.73E-02 0|0	orange1.1t03426.1/ora	5.83	0		0	2	MASCOT	T	PLEX8
2.27E-03 0|0	orange1.1t03426.1/ora	9.72	0		0	2	MASCOT	T	PLEX8
2.45E-05 0|0	orange1.1t03426.1/ora	3.83	0		0	2	MASCOT	T	
4.72E-05 0|0	orange1.1t03426.1/ora	3.83	0		0	2	MASCOT	T	
5.57E-06 0|0	orange1.1t03426.1/ora	3.83	0		0	2	MASCOT	T	PLEX8
2.99E-02 0|0	orange1.1t03426.1/ora	3.83	0		0	2	MASCOT	T	
1.05E-03 0|0	orange1.1t03426.1/ora	4.18	1		0	2	MASCOT	T	
4.39E-02 0|0	orange1.1t03426.1/ora	8.8	0		0	2	MASCOT	T	PLEX8
2.43E-01 0|0	orange1.1t03426.1/ora	8.8	0		0	2	MASCOT	T	PLEX8
6.24E-04 0|0	orange1.1t03426.1/ora	8.8	0		0	2	MASCOT	T	PLEX8
4.52E-03 0|0	orange1.1t03426.1/ora	8.8	0		0	2	MASCOT	T	PLEX8
1.76E-02 0|0	orange1.1t03426.1/ora	8.8	0		0	2	MASCOT	T	
4.50E-02 0|0	orange1.1t03426.1/ora	6.74	0		0	2	MASCOT	T	PLEX8
3.03E-02 0|0	orange1.1t03426.1/ora	6.74	0		0	2	MASCOT	T	PLEX8
1.23E-02 0|0	orange1.1t03426.1/ora	6.74	0		0	2	MASCOT	T	PLEX8
2.08E-01 0|0	orange1.1t03426.1/ora	6.74	0		0	2	MASCOT	T	PLEX8
8.33E-02 0|0	orange1.1t03426.1/ora	4.37	0	15.9	0	2	MASCOT	T	PLEX8
1.70E-01 0|0	orange1.1t03426.1/ora	4.37	0	15.9	0	2	MASCOT	T	PLEX8
1.94E-01 0|0	orange1.1t03426.1/ora	4.37	0		0	2	MASCOT	T	PLEX8
3.20E-01 0|0	orange1.1t03426.1/ora	4.37	0		0	2	MASCOT	T	PLEX8
9.83E-04 0|0	orange1.1t03426.1/ora	6	0		0	2	MASCOT	T	PLEX8
7.32E-02 0|0	orange1.1t03426.1/ora	6	0		0	2	MASCOT	T	PLEX8
1.92E-01 0|0	orange1.1t03426.1/ora	6	0		0	2	MASCOT	T	PLEX8
7.40E-06 0|0	orange1.1t03426.1/ora	6.74	0		0	2	MASCOT	T	PLEX8
1.32E-04 0|0	orange1.1t03426.1/ora	6.74	0		0	2	MASCOT	T	PLEX8
2.80E-03 0|0	Cs2g07700.1/orange1.	4.37	0		0	2	MASCOT	T	PLEX8
1.91E-04 0|0	Cs2g07700.1/orange1.	4.37	0		0	2	MASCOT	T	PLEX8
1.56E-04 0|0	Cs2g07700.1/orange1.	4.37	0		0	2	MASCOT	T	

6.11E-03	0|0	Cs2g07700.1/orange1.	4.37	0	0	2	MASCOT	T	
4.87E-04	0|0	Cs2g07700.1/orange1.	4.37	0	0	2	MASCOT	T	
3.05E-03	0|0	Cs2g07700.1/orange1.	4.37	0	0	2	MASCOT	T	
1.18E-01	0|0	orange1.1t03426.1/ora	6.75	0	0	2	MASCOT	T	
1.61E-01	0|0	orange1.1t03426.1/ora	6.75	0	0	2	MASCOT	T	PLEX8
2.51E-02	0|0	orange1.1t02279.1	5.21	0	0	2	MASCOT	T	PLEX8
7.41E-02	0|0	orange1.1t02279.1	5.21	0	0	2	MASCOT	T	PLEX8
1.77E-02	0|0	orange1.1t02279.1	5.84	0	0	2	MASCOT	T	PLEX8
6.64E-02	0|0	orange1.1t02279.1	5.84	0	0	2	MASCOT	T	PLEX8
2.37E-02	0|0	orange1.1t02279.1	5.84	0	0	2	MASCOT	T	
1.05E-02	0|0	orange1.1t02279.1	5.83	0	0	2	MASCOT	T	PLEX8
4.99E-03	0|0	orange1.1t02279.1	5.83	0	0	2	MASCOT	T	PLEX8
1.32E-02	0|0	orange1.1t02279.1	5.83	0	0	2	MASCOT	T	PLEX8
3.88E-02	0|0	orange1.1t02279.1	5.83	0	0	2	MASCOT	T	PLEX8
4.10E-03	0|0	orange1.1t02279.1	5.83	0	0	2	MASCOT	T	PLEX8
1.43E-01	0|0	orange1.1t02279.1	5.83	0	0	2	MASCOT	T	
1.42E-03	0|0	orange1.1t02279.1	5.83	0	0	2	MASCOT	T	PLEX8
1.00E-02	0|0	orange1.1t02279.1	5.83	0	0	2	MASCOT	T	PLEX8
1.33E-01	0|0	orange1.1t02279.1	5.83	0	0	2	MASCOT	T	PLEX8
5.50E-03	0|0	orange1.1t02279.1	5.83	0	0	2	MASCOT	T	
4.05E-03	0|0	orange1.1t02279.1	8.75	0	0	2	MASCOT	T	PLEX8
4.81E-02	0|0	orange1.1t02279.1	8.75	0	0	2	MASCOT	T	PLEX8
2.16E-02	0|0	orange1.1t02279.1	8.75	0	0	2	MASCOT	T	PLEX8
9.18E-02	0|0	orange1.1t02279.1	8.75	0	0	2	MASCOT	T	PLEX8
5.46E-03	0|0	orange1.1t02279.1	8.75	0	0	2	MASCOT	T	PLEX8
1.95E-05	0|0	orange1.1t02279.1	8.75	0	0	2	MASCOT	T	
4.29E-02	0|0	orange1.1t02279.1	5.68	1	0	2	MASCOT	T	PLEX8
1.40E-01	0|0	orange1.1t02279.1	5.5	0	0	2	MASCOT	T	PLEX8
1.35E-01	0|0	orange1.1t02279.1	9.26	1	0	2	MASCOT	T	PLEX8
3.21E-02	0|0	orange1.1t02279.1	4.21	0	0	2	MASCOT	T	
4.97E-02	0|0	orange1.1t02279.1	4.03	0	0	2	MASCOT	T	PLEX8
1.29E-03	0|0	orange1.1t02279.1	4.03	0	0	2	MASCOT	T	PLEX8
8.63E-06	0|0	orange1.1t02279.1	4.03	0	0	2	MASCOT	T	PLEX8
1.40E-01	0|0	orange1.1t02279.1	4.03	0	0	2	MASCOT	T	PLEX8
1.03E-04	0|0	orange1.1t02279.1	4.03	0	0	2	MASCOT	T	PLEX8
3.83E-02	0|0	orange1.1t02279.1	4.32	1	0	2	MASCOT	T	PLEX8
1.24E-02	0|0	orange1.1t02279.1	4.32	1	0	2	MASCOT	T	PLEX8
1.56E-01	0|0	orange1.1t02279.1	8.75	0	0	2	MASCOT	T	PLEX8
2.82E-03	0|0	orange1.1t02279.1	4.37	0	0	2	MASCOT	T	PLEX8
1.08E-02	0|0	orange1.1t02279.1	4.37	0	0	2	MASCOT	T	PLEX8
7.11E-03	0|0	orange1.1t02279.1	4.37	0	0	2	MASCOT	T	PLEX8
1.68E-02	0|0	orange1.1t02279.1	4.37	0	0	2	MASCOT	T	PLEX8
9.47E-03	0|0	orange1.1t02279.1	4.37	0	0	2	MASCOT	T	PLEX8
1.60E-02	0|0	orange1.1t02279.1	4.37	0	0	2	MASCOT	T	PLEX8
7.71E-02	0|0	orange1.1t02279.1	4.37	0	0	2	MASCOT	T	PLEX8
1.47E-01	0|0	orange1.1t02279.1	5.32	0	0	2	MASCOT	T	
7.32E-02	0|0	orange1.1t02279.1	4.37	0	0	2	MASCOT	T	PLEX8
1.73E-01	0|0	orange1.1t02279.1	4.37	0	0	2	MASCOT	T	PLEX8
1.53E-01	0|0	orange1.1t02279.1	4.37	0	0	2	MASCOT	T	PLEX8
1.56E-01	0|0	orange1.1t02279.1	4.37	0	0	2	MASCOT	T	PLEX8
3.43E-02	0|0	orange1.1t02279.1	4.37	0	0	2	MASCOT	T	PLEX8

4.28E-02	0|0	orange1.1t02279.1	4.37	0	0	2	MASCOT	T
1.33E-02	0|0	Cs2g27720.1/Cs2g277	4.37	0	0	2	MASCOT	T
1.05E-02	0|0	Cs2g27720.1/Cs2g277	4.37	0	0	2	MASCOT	T
3.88E-02	0|0	Cs2g27720.1/Cs2g277	4.37	0	0	2	MASCOT	T
4.83E-03	0|0	Cs2g27720.1/Cs2g277	6.74	0	0	2	MASCOT	T PLEX8
2.09E-03	0|0	Cs2g27720.1/Cs2g277	6.74	0	0	2	MASCOT	T PLEX8
6.01E-02	0|0	Cs2g27720.1/Cs2g277	6.74	0	0	2	MASCOT	T PLEX8
1.33E-01	0|0	Cs2g27720.1/Cs2g277	6.74	0	0	2	MASCOT	T PLEX8
5.15E-02	0|0	Cs2g27720.1/Cs2g277	6.74	0	0	2	MASCOT	T PLEX8
5.12E-02	0|0	Cs2g27720.1/Cs2g277	6.74	0	0	2	MASCOT	T PLEX8
1.58E-03	0|0	Cs2g27720.1/Cs2g277	6.74	0	0	2	MASCOT	T PLEX8
1.35E-02	0|0	Cs2g27720.1/Cs2g277	6.74	0	0	2	MASCOT	T PLEX8
5.69E-02	0|0	Cs2g27720.1/Cs2g277	9.7	1	0	2	MASCOT	T PLEX8
2.79E-02	0|0	Cs2g27720.1/Cs2g277	9.7	1	0	2	MASCOT	T PLEX8
4.03E-03	0|0	Cs2g27720.1/Cs2g277	4.25	0	0	2	MASCOT	T PLEX8
5.61E-03	0|0	Cs2g27720.1/Cs2g277	4.25	0	0	2	MASCOT	T PLEX8
2.78E-03	0|0	Cs2g27720.1/Cs2g277	4.25	0	0	2	MASCOT	T PLEX8
2.42E-05	0|0	Cs2g27720.1/Cs2g277	4.25	0	0	2	MASCOT	T PLEX8
5.48E-03	0|0	Cs2g27720.1/Cs2g277	4.25	0	0	2	MASCOT	T PLEX8
1.84E-03	0|0	Cs2g27720.1/Cs2g277	4.25	0	0	2	MASCOT	T PLEX8
5.62E-03	0|0	Cs2g27720.1/Cs2g277	5.72	0	0	2	MASCOT	T PLEX8
2.19E-01	0|0	orange1.1t03226.1/ora	5.37	0	0	2	MASCOT	T PLEX8
3.40E-02	0|0	orange1.1t03226.1/ora	5.37	0	0	2	MASCOT	T PLEX8
3.48E-03	0|0	orange1.1t03226.1/ora	5.37	0	0	2	MASCOT	T PLEX8
3.49E-02	0|0	orange1.1t03226.1/ora	5.37	0	0	2	MASCOT	T PLEX8
9.32E-03	0|0	orange1.1t03226.1/ora	5.37	0	0	2	MASCOT	T PLEX8
1.17E-02	0|0	orange1.1t03226.1/ora	5.37	0	0	2	MASCOT	T PLEX8
3.86E-02	0|0	orange1.1t03226.1/ora	5.37	0	0	2	MASCOT	T PLEX8
1.44E-02	0|0	orange1.1t03226.1/ora	5.37	0	0	2	MASCOT	T PLEX8
2.75E-04	0|0	orange1.1t03226.1/ora	5.37	0	0	2	MASCOT	T PLEX8
9.99E-02	0|0	orange1.1t03226.1/ora	5.37	0	0	2	MASCOT	T PLEX8
3.08E-04	0|0	orange1.1t03226.1/ora	5.37	0	0	2	MASCOT	T PLEX8
5.29E-02	0|0	Cs2g27720.1/Cs2g277	4.53	0	0	2	MASCOT	T PLEX8
5.05E-04	0|0	Cs2g27720.1/Cs2g277	4.53	0	0	2	MASCOT	T PLEX8
4.94E-01	0|0	Cs2g27720.1/Cs2g277	4.53	0	0	2	MASCOT	T PLEX8
1.73E-01	0|0	Cs2g27720.1/Cs2g277	8.59	0	0	2	MASCOT	T PLEX8
2.47E-01	0|0	Cs2g27720.1/Cs2g277	8.59	0	0	2	MASCOT	T
4.85E-01	0|0	Cs2g27720.1/Cs2g277	8.59	0	0	2	MASCOT	T PLEX8
6.12E-02	0|0	Cs2g27720.1/Cs2g277	6.05	0 15.9	0	2	MASCOT	T PLEX8
1.40E-02	0|0	Cs2g27720.1/Cs2g277	4.11	1	0	2	MASCOT	T
8.50E-03	0|0	Cs2g27720.1/Cs2g277	6.74	0	0	2	MASCOT	T
1.08E-02	0|0	Cs2g27720.1/Cs2g277	4.21	0 15.9	0	2	MASCOT	T
9.03E-03	0|0	Cs2g27720.1/Cs2g277	4.21	0	0	2	MASCOT	T PLEX8
2.70E-01	0|0	Cs2g27720.1/Cs2g277	4.21	0	0	2	MASCOT	T
1.68E-01	0|0	Cs2g27720.1/Cs2g277	8.76	0	0	2	MASCOT	T PLEX8
9.13E-02	0|0	Cs2g27720.1/Cs2g277	8.76	0	0	2	MASCOT	T PLEX8
7.24E-02	0|0	Cs2g27720.1/Cs2g277	9.75	0	0	2	MASCOT	T PLEX8
3.85E-04	0|0	Cs8g13200.1 ! Cs8g13	4.03	0	0	2	MASCOT	T PLEX8
2.23E-02	0|0	Cs8g13200.1/Cs8g132	6.1	0	0	2	MASCOT	T PLEX8
1.21E-02	0|0	Cs8g13200.1/Cs8g132	6.83	0	0	2	MASCOT	T PLEX8
7.42E-03	0|0	Cs8g13200.1/Cs8g132	6.83	0	0	2	MASCOT	T PLEX8

8.51E-02	0|0	Cs8g13200.1/Cs8g132	5.32	0	0	2	MASCOT	T	PLEX8	
1.05E-03	0|0	Cs8g13200.1/Cs8g132	5.32	0	0	2	MASCOT	T	PLEX8	
2.94E-01	0|0	Cs8g13200.1/Cs8g132	5.32	0	0	2	MASCOT	T	PLEX8	
3.10E-03	0|0	Cs8g13200.1/Cs8g132	5.32	0	0	2	MASCOT	T	PLEX8	
5.54E-02	0|0	Cs8g13200.1/Cs8g132	5.32	0	0	2	MASCOT	T	PLEX8	
2.32E-04	0|0	Cs8g13200.1/Cs8g132	5.32	0	0	2	MASCOT	T	PLEX8	
6.70E-05	0|0	Cs8g13200.1/Cs8g132	5.32	0	0	2	MASCOT	T	PLEX8	
6.94E-02	0|0	Cs8g13200.1/Cs8g132	5.32	0	0	2	MASCOT	T	PLEX8	
7.68E-04	0|0	Cs8g13200.1/Cs8g132	4.37	0	0	2	MASCOT	T	PLEX8	
7.54E-04	0|0	Cs8g13200.1/Cs8g132	4.37	0	0	2	MASCOT	T	PLEX8	
8.80E-02	0|0	Cs8g13200.1/Cs8g132	8.59	0	15.9	0	2	MASCOT	T	PLEX8
2.68E-01	0|0	Cs8g13200.1/Cs8g132	8.59	0	0	2	MASCOT	T	PLEX8	
1.13E-01	0|0	Cs8g13200.1/Cs8g132	8.59	0	0	2	MASCOT	T	PLEX8	
4.00E-01	0|0	Cs8g13200.1/Cs8g132	8.59	0	0	2	MASCOT	T	PLEX8	
7.56E-04	0|0	Cs8g13200.1/Cs8g132	6.46	0	0	2	MASCOT	T	PLEX8	
2.63E-01	0|0	Cs8g13200.1/Cs8g132	6.46	0	0	2	MASCOT	T	PLEX8	
1.14E-02	0|0	Cs8g13200.1/Cs8g132	6.46	0	0	2	MASCOT	T	PLEX8	
2.15E-02	0|0	Cs8g13200.1/Cs8g132	6.46	0	0	2	MASCOT	T	PLEX8	
1.75E-01	0|0	Cs8g13200.1/Cs8g132	6.46	0	0	2	MASCOT	T	PLEX8	
1.85E-04	0|0	Cs8g13200.1/Cs8g132	6.46	0	0	2	MASCOT	T		
4.51E-04	0|0	Cs8g13200.1/Cs8g132	5.88	0	15.9	0	2	MASCOT	T	PLEX8
5.10E-03	0|0	Cs8g13200.1/Cs8g132	5.88	0	15.9	0	2	MASCOT	T	
9.53E-05	0|0	Cs8g13200.1/Cs8g132	5.88	0	0	2	MASCOT	T		
6.19E-02	0|0	Cs8g13200.1/Cs8g132	5.88	0	0	2	MASCOT	T		
2.43E-02	0|0	Cs8g13200.1/Cs8g132	4.37	0	0	2	MASCOT	T	PLEX8	
1.99E-02	0|0	Cs8g13200.1/Cs8g132	4.37	0	0	2	MASCOT	T	PLEX8	
9.09E-04	0|0	Cs8g13200.1/Cs8g132	8.6	0	0	2	MASCOT	T	PLEX8	
3.86E-03	0|0	Cs8g13200.1/Cs8g132	8.6	0	0	2	MASCOT	T	PLEX8	
1.10E-02	0|0	Cs8g13200.1/Cs8g132	8.6	0	0	2	MASCOT	T		
1.91E-01	0|0	Cs8g13200.1/Cs8g132	6	0	0	2	MASCOT	T		
2.02E-01	0|0	Cs8g13200.1/Cs8g132	6	0	0	2	MASCOT	T	PLEX8	
7.47E-04	0|0	Cs8g13200.1/Cs8g132	4.21	0	0	2	MASCOT	T		
2.27E-01	0|0	Cs8g13200.1	9.76	0	0	2	MASCOT	T	PLEX8	
6.98E-03	0|0	Cs8g13200.1/Cs8g132	7.98	0	15.9	0	2	MASCOT	T	PLEX8
6.46E-03	0|0	Cs8g13200.1/Cs8g132	7.98	0	15.9	0	2	MASCOT	T	PLEX8
3.06E-02	0|0	Cs8g13200.1/Cs8g132	7.98	0	15.9	0	2	MASCOT	T	PLEX8
2.47E-02	0|0	Cs8g13200.1/Cs8g132	7.98	0	15.9	0	2	MASCOT	T	PLEX8
9.84E-03	0|0	Cs8g13200.1/Cs8g132	7.98	0	0	2	MASCOT	T	PLEX8	
2.16E-01	0|0	Cs8g13200.1/Cs8g132	7.98	0	0	2	MASCOT	T	PLEX8	
3.17E-03	0|0	Cs8g13200.1/Cs8g132	7.98	0	0	2	MASCOT	T	PLEX8	
8.16E-02	0|0	Cs8g13200.1/Cs8g132	7.98	0	0	2	MASCOT	T	PLEX8	
2.73E-03	0|0	Cs8g13200.1	5.29	0	0	2	MASCOT	T	PLEX8	
1.07E-01	0|0	Cs3g24230.1	5.84	0	0	2	MASCOT	T		
1.36E-01	0|0	Cs3g24230.1	5.84	0	0	2	MASCOT	T	PLEX8	
1.41E-01	0|0	Cs3g24230.1	5.84	0	0	2	MASCOT	T		
3.52E-02	0|0	Cs3g24230.1	5.84	0	0	2	MASCOT	T		
4.13E-02	0|0	Cs3g24230.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
1.02E-02	0|0	Cs3g24230.1	5.4	0	0	2	MASCOT	T	PLEX8	
1.21E-01	0|0	Cs3g24230.1	8.75	0	0	2	MASCOT	T	PLEX8	
8.01E-02	0|0	Cs3g24230.1	5.4	0	15.9	0	2	MASCOT	T	PLEX8
3.39E-03	0|0	Cs3g24230.1	5.4	0	15.9	0	2	MASCOT	T	PLEX8

6.30E-05 0|0	Cs3g24230.1	5.4	0	0	2 MASCOT	T	PLEX8
8.94E-02 0|0	Cs3g24230.1	5.4	0	0	2 MASCOT	T	PLEX8
1.84E-01 0|0	Cs3g24230.1	4.53	0	0	2 MASCOT	T	
3.79E-02 0|0	Cs3g24230.1	4.53	0	0	2 MASCOT	T	
1.96E-01 0|0	Cs3g24230.1	8.47	0	0	2 MASCOT	T	PLEX8
1.30E-04 0|0	Cs3g24230.1	8.47	0	0	2 MASCOT	T	PLEX8
3.84E-02 0|0	Cs3g24230.1	8.47	0	0	2 MASCOT	T	PLEX8
8.92E-02 0|0	Cs3g24230.1	8.47	0	0	2 MASCOT	T	PLEX8
3.33E-02 0|0	Cs3g24230.1	8.47	0	0	2 MASCOT	T	PLEX8
3.56E-01 0|0	Cs3g24230.1	8.47	0	0	2 MASCOT	T	PLEX8
2.02E-03 0|0	Cs3g24230.1	8.47	0	0	2 MASCOT	T	PLEX8
5.91E-05 0|0	Cs3g24230.1	8.47	0	0	2 MASCOT	T	PLEX8
2.22E-02 0|0	Cs3g24230.1	5.55	0	0	2 MASCOT	T	PLEX8
7.83E-04 0|0	Cs3g24230.1	5.55	0	0	2 MASCOT	T	PLEX8
7.39E-04 0|0	Cs3g24230.1	5.55	0	0	2 MASCOT	T	PLEX8
1.62E-01 0|0	Cs3g24230.1	5.55	0	0	2 MASCOT	T	PLEX8
1.52E-01 0|0	Cs3g24230.1	5.72	0	0	2 MASCOT	T	PLEX8
1.92E-01 0|0	Cs3g24230.1	5.72	0	0	2 MASCOT	T	PLEX8
1.90E-01 0|0	Cs3g24230.1	5.72	0	0	2 MASCOT	T	PLEX8
4.52E-03 0|0	Cs3g24230.1	5.97	0	0	2 MASCOT	T	PLEX8
1.56E-02 0|0	Cs3g24230.1	5.97	0	0	2 MASCOT	T	PLEX8
2.09E-02 0|0	Cs3g24230.1	4.65	0	0	2 MASCOT	T	PLEX8
1.90E-01 0|0	Cs3g24230.1	4.65	0	0	2 MASCOT	T	PLEX8
6.76E-02 0|0	Cs3g24230.1 ! Cs5g28	4.53	0	0	2 MASCOT	T	PLEX8
4.35E-02 0|0	Cs3g24230.1 ! Cs5g28	4.53	0	0	2 MASCOT	T	PLEX8
5.02E-02 0|0	Cs3g24230.1	9.53	1	0	2 MASCOT	T	PLEX8
3.06E-01 0|0	Cs3g24230.1	5.32	0	0	2 MASCOT	T	PLEX8
5.31E-04 0|0	Cs3g24230.1	5.32	0	0	2 MASCOT	T	PLEX8
3.74E-03 0|0	Cs3g24230.1	4.21	0	0	2 MASCOT	T	PLEX8
5.70E-02 0|0	Cs3g24230.1	4.21	0	0	2 MASCOT	T	PLEX8
3.00E-01 0|0	Cs3g24230.1	4.21	0	0	2 MASCOT	T	PLEX8
1.59E-01 0|0	Cs3g24230.1	4.21	0	0	2 MASCOT	T	PLEX8
4.91E-03 0|0	Cs3g24230.1	4.21	0	0	2 MASCOT	T	PLEX8
2.49E-02 0|0	Cs2g18800.1	8.75	0	0	2 MASCOT	T	PLEX8
1.34E-02 0|0	Cs2g18800.1	8.75	0	0	2 MASCOT	T	PLEX8
1.23E-02 0|0	Cs2g18800.1	8.75	0	0	2 MASCOT	T	PLEX8
1.96E-02 0|0	Cs2g18800.1	8.75	0	0	2 MASCOT	T	PLEX8
3.84E-03 0|0	Cs2g18800.1	8.75	0	0	2 MASCOT	T	PLEX8
4.93E-02 0|0	Cs2g18800.1	4.14	0	0	2 MASCOT	T	PLEX8
1.11E-01 0|0	Cs2g18800.1	9.76	0	0	2 MASCOT	T	PLEX8
5.81E-02 0|0	Cs2g18800.1	9.76	0	0	2 MASCOT	T	PLEX8
4.48E-05 0|0	Cs2g18800.1	4.37	0	0	2 MASCOT	T	
1.84E-01 0|0	Cs2g18800.1	4.37	0	0	2 MASCOT	T	
1.65E-08 0|0	Cs2g18800.1	4.37	0	0	2 MASCOT	T	
4.58E-03 0|0	Cs2g18800.1	8.75	0	0	2 MASCOT	T	
1.17E-03 0|0	Cs2g18800.1	8.75	0	0	2 MASCOT	T	
2.38E-01 0|0	Cs2g18800.1	5.96	0	0	2 MASCOT	T	PLEX8
8.12E-05 0|0	Cs2g18800.1	4.37	0	0	2 MASCOT	T	
2.35E-02 0|0	Cs2g18800.1	4.37	0	0	2 MASCOT	T	
2.90E-04 0|0	Cs2g18800.1	4.37	0	0	2 MASCOT	T	
1.24E-02 0|0	Cs2g18800.1	8.47	0	0	2 MASCOT	T	PLEX8

3.30E-02 0|0	Cs2g18800.1	8.47	0	0	2	MASCOT	T	PLEX8	
3.03E-02 0|0	Cs2g18800.1	8.47	0	0	2	MASCOT	T	PLEX8	
1.75E-03 0|0	Cs2g18800.1	8.47	0	0	2	MASCOT	T	PLEX8	
9.95E-02 0|0	Cs2g18800.1	8.8	0	15.9	0	2	MASCOT	T	PLEX8
1.70E-02 0|0	Cs2g18800.1	8.8	0	0	2	MASCOT	T	PLEX8	
9.04E-03 0|0	Cs2g18800.1	8.8	0	0	2	MASCOT	T	PLEX8	
8.41E-02 0|0	Cs2g18800.1	8.8	0	0	2	MASCOT	T	PLEX8	
3.50E-02 0|0	Cs2g18800.1	8.54	0	15.9	0	2	MASCOT	T	
1.40E-03 0|0	Cs2g18800.1	8.54	0	15.9	0	2	MASCOT	T	PLEX8
4.18E-03 0|0	Cs2g18800.1	8.54	0	0	2	MASCOT	T	PLEX8	
2.54E-01 0|0	Cs2g18800.1	8.54	0	0	2	MASCOT	T		
3.98E-03 0|0	Cs2g18800.1	8.54	0	0	2	MASCOT	T	PLEX8	
1.30E-03 0|0	Cs2g18800.1	4.56	1	15.9	0	2	MASCOT	T	PLEX8
3.38E-03 0|0	Cs2g18800.1	4.56	1	15.9	0	2	MASCOT	T	
2.13E-03 0|0	Cs2g18800.1	4.56	1	0	2	MASCOT	T	PLEX8	
2.74E-03 0|0	Cs2g18800.1	9.76	0	0	2	MASCOT	T	PLEX8	
5.00E-01 0|0	Cs2g18800.1	5.83	0	0	2	MASCOT	T		
1.99E-03 0|0	Cs2g18800.1	5.83	0	0	2	MASCOT	T		
1.99E-02 0|0	Cs2g18800.1	8.46	0	0	2	MASCOT	T	PLEX8	
2.01E-02 0|0	Cs2g18800.1	9.47	0	0	2	MASCOT	T		
1.01E-04 0|0	Cs2g18800.1	9.47	0	0	2	MASCOT	T		
5.01E-03 0|0	Cs5g16440.1	4.65	0	0	2	MASCOT	T	PLEX8	
8.51E-02 0|0	Cs5g16440.1	4.65	0	0	2	MASCOT	T	PLEX8	
1.21E-02 0|0	Cs5g16440.1	4.65	0	0	2	MASCOT	T	PLEX8	
1.53E-02 0|0	Cs5g16440.1	4.65	0	0	2	MASCOT	T	PLEX8	
3.83E-04 0|0	Cs5g16440.1	4.65	0	0	2	MASCOT	T		
1.05E-02 0|0	Cs5g16440.1	4.37	0	0	2	MASCOT	T		
6.69E-02 0|0	Cs5g16440.1	4.37	0	0	2	MASCOT	T		
1.44E-04 0|0	Cs5g16440.1/Cs5g164	4.53	0	0	2	MASCOT	T	PLEX8	
1.41E-01 0|0	Cs5g16440.1/Cs5g164	6.74	0	0	2	MASCOT	T	PLEX8	
2.93E-02 0|0	Cs5g16440.1/Cs5g164	6.74	0	0	2	MASCOT	T	PLEX8	
8.79E-03 0|0	Cs5g16440.1/Cs5g164	6.74	0	0	2	MASCOT	T	PLEX8	
9.81E-03 0|0	Cs5g16440.1/Cs5g164	6.74	0	0	2	MASCOT	T	PLEX8	
3.71E-02 0|0	Cs5g16440.1/Cs5g164	6.74	0	0	2	MASCOT	T	PLEX8	
2.43E-01 0|0	Cs5g16440.1/Cs5g164	5.59	0	0	2	MASCOT	T	PLEX8	
1.17E-02 0|0	Cs5g16440.1	6	0	0	2	MASCOT	T	PLEX8	
6.40E-05 0|0	Cs5g16440.1/Cs5g164	3.92	0	0	2	MASCOT	T	PLEX8	
5.96E-03 0|0	Cs5g16440.1/Cs5g164	8.49	0	0	2	MASCOT	T	PLEX8	
3.13E-03 0|0	Cs5g16440.1/Cs5g164	8.49	0	0	2	MASCOT	T	PLEX8	
4.95E-02 0|0	Cs5g16440.1/Cs5g164	8.49	0	0	2	MASCOT	T	PLEX8	
7.84E-03 0|0	Cs5g16440.1/Cs5g164	8.49	0	0	2	MASCOT	T		
9.19E-03 0|0	Cs5g16440.1/Cs5g164	4.37	0	0	2	MASCOT	T		
4.99E-02 0|0	Cs5g16440.1/Cs5g164	4.37	0	0	2	MASCOT	T		
9.52E-03 0|0	Cs5g16440.1/Cs5g164	6.1	0	0	2	MASCOT	T	PLEX8	
3.52E-02 0|0	Cs5g16440.1/Cs5g164	6.1	0	0	2	MASCOT	T	PLEX8	
5.16E-02 0|0	Cs5g16440.1	4.25	0	0	2	MASCOT	T	PLEX8	
2.69E-01 0|0	Cs5g16440.1	6	0	0	2	MASCOT	T	PLEX8	
4.11E-01 0|0	Cs5g16440.1	6	0	0	2	MASCOT	T	PLEX8	
2.21E-02 0|0	Cs5g16440.1	5.4	0	0	2	MASCOT	T	PLEX8	
1.29E-01 0|0	Cs5g16440.1	5.4	0	0	2	MASCOT	T		
8.66E-02 0|0	Cs5g16440.1	5.4	0	0	2	MASCOT	T		

2.26E-01	0|0	Cs5g16440.1/Cs5g164	4.53	0	0	2	MASCOT	T	PLEX8	
2.25E-01	0|0	Cs5g16440.1/Cs5g164	4.53	0	0	2	MASCOT	T	PLEX8	
1.96E-01	0|0	Cs5g16440.1/Cs5g164	4.53	0	0	2	MASCOT	T	PLEX8	
1.95E-01	0|0	Cs5g16440.1/Cs5g164	4.53	0	0	2	MASCOT	T	PLEX8	
2.80E-02	0|0	Cs5g16440.1/Cs5g164	4.53	0	0	2	MASCOT	T	PLEX8	
1.96E-01	0|0	Cs8g18910.1/Cs8g189	6.05	0	0	2	MASCOT	T	PLEX8	
4.19E-05	0|0	Cs8g18910.1/Cs8g189	4.25	0	15.9	0	2	MASCOT	T	PLEX8
3.94E-02	0|0	Cs8g18910.1/Cs8g189	4.25	0	0	2	MASCOT	T	PLEX8	
1.04E-01	0|0	Cs8g18910.1/Cs8g189	4.25	0	0	2	MASCOT	T	PLEX8	
1.88E-04	0|0	Cs8g18910.1/Cs8g189	4.25	0	0	2	MASCOT	T	PLEX8	
2.88E-04	0|0	Cs8g18910.1/Cs8g189	4.25	0	0	2	MASCOT	T	PLEX8	
3.20E-03	0|0	Cs8g18910.1/Cs8g189	6	0	0	2	MASCOT	T	PLEX8	
2.41E-02	0|0	Cs8g18910.1/Cs8g189	5.32	0	0	2	MASCOT	T	PLEX8	
1.36E-01	0|0	Cs8g18910.1/Cs8g189	5.32	0	0	2	MASCOT	T	PLEX8	
7.34E-05	0|0	Cs8g18910.1/Cs8g189	6	0	0	2	MASCOT	T	PLEX8	
3.53E-06	0|0	Cs8g18910.1/Cs8g189	6	0	0	2	MASCOT	T	PLEX8	
7.96E-02	0|0	Cs8g18910.1/Cs8g189	4.53	0	0	2	MASCOT	T	PLEX8	
1.07E-02	0|0	Cs8g18910.1/Cs8g189	4.53	0	0	2	MASCOT	T	PLEX8	
4.57E-01	0|0	Cs8g18910.1/Cs8g189	4.53	0	0	2	MASCOT	T	PLEX8	
6.35E-02	0|0	Cs8g18910.1/Cs8g189	4.53	0	0	2	MASCOT	T	PLEX8	
4.09E-02	0|0	Cs8g18910.2	5.99	0	0	2	MASCOT	T	PLEX8	
2.41E-03	0|0	Cs8g18910.2	5.99	0	0	2	MASCOT	T	PLEX8	
1.79E-02	0|0	Cs8g18910.2	5.32	0	0	2	MASCOT	T	PLEX8	
8.33E-02	0|0	Cs8g18910.2	5.32	0	0	2	MASCOT	T	PLEX8	
3.68E-02	0|0	Cs8g18910.2	5.32	0	0	2	MASCOT	T	PLEX8	
1.19E-01	0|0	Cs8g18910.2	5.32	0	0	2	MASCOT	T	PLEX8	
1.74E-02	0|0	Cs8g18910.1/Cs8g189	5.99	0	0	2	MASCOT	T	PLEX8	
2.88E-02	0|0	Cs8g18910.1/Cs8g189	4.56	1	0	2	MASCOT	T	PLEX8	
2.23E-02	0|0	Cs8g18910.1/Cs8g189	4.56	1	0	2	MASCOT	T	PLEX8	
2.68E-01	0|0	Cs8g18910.2	8.37	0	15.9	0	2	MASCOT	T	PLEX8
5.77E-02	0|0	Cs8g18910.1/Cs8g189	9.5	0	0	2	MASCOT	T	PLEX8	
3.30E-02	0|0	Cs8g18910.2	8.37	0	0	2	MASCOT	T	PLEX8	
8.86E-04	0|0	Cs8g18910.1/Cs8g189	4.68	0	0	2	MASCOT	T	PLEX8	
2.72E-03	0|0	Cs8g18910.1/Cs8g189	5.84	0	0	2	MASCOT	T	PLEX8	
2.89E-01	0|0	Cs8g18910.1/Cs8g189	5.84	0	0	2	MASCOT	T	PLEX8	
4.16E-01	0|0	Cs8g18910.1/Cs8g189	5.84	0	0	2	MASCOT	T	PLEX8	
9.42E-02	0|0	Cs8g18910.1/Cs8g189	5.84	0	0	2	MASCOT	T	PLEX8	
1.01E-02	0|0	Cs8g18910.1/Cs8g189	6	0	0	2	MASCOT	T	PLEX8	
3.01E-02	0|0	Cs8g18910.1/Cs8g189	6	0	0	2	MASCOT	T	PLEX8	
3.16E-03	0|0	Cs8g18910.1/Cs8g189	6	0	0	2	MASCOT	T	PLEX8	
1.10E-02	0|0	Cs5g19810.1	4.31	0	0	2	MASCOT	T	PLEX8	
6.28E-02	0|0	Cs5g19810.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.39E-01	0|0	Cs5g19810.1	4.53	0	0	2	MASCOT	T	PLEX8	
2.71E-03	0|0	Cs5g19810.1/Cs5g198	5.21	0	0	2	MASCOT	T	PLEX8	
2.08E-02	0|0	Cs5g19810.1/Cs5g198	5.21	0	0	2	MASCOT	T	PLEX8	
1.29E-01	0|0	Cs5g19810.1/Cs7g287	4.22	0	0	2	MASCOT	T	PLEX8	
1.99E-04	0|0	Cs5g19810.1/Cs7g287	4.22	0	0	2	MASCOT	T	PLEX8	
8.17E-02	0|0	Cs5g19810.1/Cs7g287	4.22	0	0	2	MASCOT	T	PLEX8	
2.95E-03	0|0	Cs5g19810.1/Cs7g287	4.22	0	0	2	MASCOT	T	PLEX8	
2.99E-03	0|0	Cs5g19810.1/Cs5g198	4.53	0	15.9	0	2	MASCOT	T	PLEX8
1.68E-03	0|0	Cs5g19810.1/Cs5g198	4.53	0	15.9	0	2	MASCOT	T	PLEX8

4.09E-02	0|0	Cs5g19810.1/Cs5g198	4.53	0	0	2	MASCOT	T	PLEX8	
4.29E-03	0|0	Cs5g19810.1/Cs5g198	4.53	0	0	2	MASCOT	T	PLEX8	
2.39E-03	0|0	Cs5g19810.1/Cs5g198	5.32	0	15.9	0	2	MASCOT	T	PLEX8
2.06E-03	0|0	Cs5g19810.1/Cs5g198	5.32	0	15.9	0	2	MASCOT	T	PLEX8
9.67E-05	0|0	Cs5g19810.1/Cs5g198	5.32	0	15.9	0	2	MASCOT	T	
4.50E-04	0|0	Cs5g19810.1/Cs5g198	5.32	0	0	2	MASCOT	T	PLEX8	
1.82E-05	0|0	Cs5g19810.1/Cs5g198	5.32	0	0	2	MASCOT	T	PLEX8	
2.15E-05	0|0	Cs5g19810.1/Cs5g198	5.32	0	0	2	MASCOT	T		
5.29E-03	0|0	Cs5g19810.1/Cs5g198	4.65	0	0	2	MASCOT	T	PLEX8	
7.67E-03	0|0	Cs5g19810.1/Cs5g198	4.53	0	0	2	MASCOT	T	PLEX8	
1.00E-04	0|0	Cs5g19810.1/Cs5g198	4.53	0	0	2	MASCOT	T	PLEX8	
1.61E-02	0|0	Cs5g19810.1/Cs5g198	5.27	0	0	2	MASCOT	T	PLEX8	
5.46E-02	0|0	Cs5g19810.1/Cs5g198	5.27	0	0	2	MASCOT	T	PLEX8	
1.59E-01	0|0	Cs5g19810.1/Cs5g198	5.27	0	0	2	MASCOT	T	PLEX8	
2.76E-01	0|0	Cs5g19810.1/Cs5g198	6	0	0	2	MASCOT	T		
1.64E-01	0|0	Cs5g19810.1/Cs5g198	9.75	0	0	2	MASCOT	T	PLEX8	
2.17E-02	0|0	Cs5g19810.1/Cs5g198	9.75	0	0	2	MASCOT	T	PLEX8	
1.50E-01	0|0	Cs5g19810.1/Cs5g198	4.37	0	0	2	MASCOT	T	PLEX8	
3.58E-01	0|0	Cs5g19810.1/Cs5g198	9.35	0	0	2	MASCOT	T	PLEX8	
7.99E-02	0|0	Cs5g19810.1	5.55	0	0	2	MASCOT	T	PLEX8	
1.64E-04	0|0	Cs5g19810.1/Cs5g198	5.55	0	0	2	MASCOT	T	PLEX8	
6.44E-02	0|0	Cs2g24360.1	5.84	0	0	2	MASCOT	T		
1.18E-01	0|0	Cs2g24360.1	5.84	0	0	2	MASCOT	T	PLEX8	
6.24E-02	0|0	Cs2g24360.1	5.84	0	0	2	MASCOT	T	PLEX8	
1.42E-01	0|0	Cs2g24360.1	5.84	0	0	2	MASCOT	T	PLEX8	
1.17E-01	0|0	Cs2g24360.1	5.84	0	0	2	MASCOT	T	PLEX8	
9.39E-04	0|0	Cs2g24360.1	5.84	0	0	2	MASCOT	T	PLEX8	
6.58E-05	0|0	Cs2g24360.1	5.84	0	0	2	MASCOT	T	PLEX8	
9.96E-02	0|0	Cs2g24360.1	5.84	0	0	2	MASCOT	T	PLEX8	
9.82E-04	0|0	Cs2g24360.1	5.84	0	0	2	MASCOT	T	PLEX8	
9.62E-03	0|0	Cs2g24360.1	5.84	0	0	2	MASCOT	T	PLEX8	
7.79E-03	0|0	Cs2g24360.1	5.84	0	0	2	MASCOT	T	PLEX8	
3.05E-03	0|0	Cs2g24360.1	5.84	0	0	2	MASCOT	T	PLEX8	
2.96E-01	0|0	Cs2g24360.1	5.84	0	0	2	MASCOT	T	PLEX8	
4.60E-02	0|0	Cs2g24360.1	5.84	0	0	2	MASCOT	T	PLEX8	
1.98E-01	0|0	Cs2g24360.1	5.84	0	0	2	MASCOT	T	PLEX8	
2.04E-02	0|0	Cs2g24360.1	5.84	0	0	2	MASCOT	T	PLEX8	
8.41E-02	0|0	Cs2g24360.1	5.84	0	0	2	MASCOT	T	PLEX8	
8.19E-04	0|0	Cs2g24360.1	5.84	0	0	2	MASCOT	T	PLEX8	
1.62E-01	0|0	Cs2g24360.1	5.84	0	0	2	MASCOT	T	PLEX8	
2.06E-02	0|0	Cs2g24360.1	5.84	0	0	2	MASCOT	T	PLEX8	
6.98E-02	0 0	Cs2g24360.1	5.84	0	0	2	MASCOT	T	PLEX8	
1.53E-02	0 0	Cs2g24360.1	5.84	0	0	2	MASCOT	T	PLEX8	
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8.75E-02	0 0	Cs2g24360.1	5.84	0	0	2	MASCOT	T	PLEX8	
9.70E-02	0 0	Cs2g24360.1	5.84	0	0	2	MASCOT	T	PLEX8	
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1.85E-01	0 0	Cs2g24360.1	5.84	0	0	2	MASCOT	T	PLEX8	
1.67E-03	0 0	Cs2g24360.1	5.84	0	0	2	MASCOT	T	PLEX8	
2.72E-01	0 0	Cs2g24360.1	5.84	0	0	2	MASCOT	T	PLEX8	
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1.03E-01	0 0	Cs2g24360.1	5.84	0	0	2	MASCOT	T	PLEX8	
1.11E-03	0 0	Cs2g24360.1	5.84	0	0	2	MASCOT	T	PLEX8	
2.55E-04	0|0	Cs2g24360.1	5.84	0	0	2	MASCOT	T	PLEX8	
2.08E-02	0|0	Cs2g24360.1	5.84	0	0	2	MASCOT	T		
1.42E-02	0|0	Cs2g24360.1	5.84	0	0	2	MASCOT	T	PLEX8	
1.57E-01	0|0	Cs2g24360.1	5.84	0	0	2	MASCOT	T		
2.13E-02	0|0	Cs2g24360.1	5.84	0	0	2	MASCOT	T	PLEX8	
3.49E-03	0|0	Cs2g24360.1	5.84	0	0	2	MASCOT	T		
1.76E-01	0|0	Cs2g24360.1	5.84	0	0	2	MASCOT	T	PLEX8	
1.74E-01	0|0	Cs2g24360.1	5.84	0	0	2	MASCOT	T	PLEX8	
2.62E-02	0|0	Cs2g24360.1	5.84	0	0	2	MASCOT	T	PLEX8	
9.02E-04	0|0	Cs2g24360.1	5.84	0	0	2	MASCOT	T	PLEX8	
3.14E-01	0|0	Cs2g24360.1	5.84	0	0	2	MASCOT	T	PLEX8	
5.64E-03	0|0	Cs2g24360.1	5.84	0	0	2	MASCOT	T	PLEX8	
1.16E-01	0|0	Cs2g24360.1	5.84	0	0	2	MASCOT	T	PLEX8	
1.69E-01	0|0	Cs2g24360.1	5.84	0	0	2	MASCOT	T	PLEX8	
3.21E-01	0|0	Cs2g24360.1	5.84	0	0	2	MASCOT	T		
2.56E-01	0|0	Cs2g24360.1	5.84	0	0	2	MASCOT	T		
3.41E-01	0 0	Cs2g24360.1	6	0	0	2	MASCOT	T	PLEX8	
8.84E-02	0 0	Cs2g24360.1	6	0	0	2	MASCOT	T	PLEX8	
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3.05E-01	0 0	Cs2g24360.1	6	0	0	2	MASCOT	T		
5.38E-02	0 0	Cs2g24360.1	9.6	1	15.9	0	2	MASCOT	T	PLEX8
6.86E-02	0|0	Cs2g24360.1	9.6	1	0	2	MASCOT	T	PLEX8	
3.90E-02	0|0	Cs2g24360.1	9.6	1	0	2	MASCOT	T		
1.15E-01	0 0	Cs2g24360.1	6.11	1	0	2	MASCOT	T	PLEX8	
1.12E-01	0 0	Cs2g24360.1	6.11	1	0	2	MASCOT	T	PLEX8	
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1.45E-02	0 0	Cs2g24360.1	5.88	0	0	2	MASCOT	T	PLEX8	
1.79E-05	0 0	Cs2g24360.1	5.88	0	0	2	MASCOT	T	PLEX8	
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1.04E-03	0 0	Cs2g24360.1	5.88	0	0	2	MASCOT	T	PLEX8	
8.20E-04	0 0	Cs2g24360.1	5.88	0	0	2	MASCOT	T	PLEX8	
8.16E-03	0|0	Cs2g24360.1	5.88	0	0	2	MASCOT	T		
3.38E-03	0|0	Cs2g24360.1	5.88	0	0	2	MASCOT	T	PLEX8	
1.43E-03	0|0	Cs2g24360.1	5.88	0	0	2	MASCOT	T	PLEX8	
2.99E-05	0|0	Cs2g24360.1	5.88	0	0	2	MASCOT	T		
1.07E-02	0|0	Cs2g24360.1	4.14	0	0	2	MASCOT	T	PLEX8	
2.09E-01	0|0	Cs2g24360.1	4.14	0	0	2	MASCOT	T	PLEX8	
1.74E-02	0|0	Cs2g24360.1	4.14	0	0	2	MASCOT	T	PLEX8	
1.09E-02	0|0	Cs2g24360.1	4.14	0	0	2	MASCOT	T		
5.27E-02	0|0	Cs2g24360.1	6.74	0	0	2	MASCOT	T	PLEX8	
6.04E-02	0|0	Cs2g24360.1	6.74	0	0	2	MASCOT	T	PLEX8	
5.60E-04	0|0	Cs2g24360.1	6.74	0	0	2	MASCOT	T	PLEX8	
4.33E-02	0|0	Cs2g24360.1	6.74	0	0	2	MASCOT	T	PLEX8	
4.72E-03	0|0	Cs2g24360.1	6.74	0	0	2	MASCOT	T	PLEX8	
2.30E-04	0|0	Cs2g24360.1	6.74	0	0	2	MASCOT	T	PLEX8	
6.50E-03	0|0	Cs2g24360.1	6.74	0	0	2	MASCOT	T	PLEX8	
2.99E-03	0|0	Cs2g24360.1	6.74	0	0	2	MASCOT	T	PLEX8	
3.01E-03	0|0	Cs2g24360.1	6.74	0	0	2	MASCOT	T	PLEX8	

2.18E-03 0|0	Cs2g24360.1	6.74	0	0	2 MASCOT	T	PLEX8
4.36E-04 0|0	Cs2g24360.1	6.74	0	0	2 MASCOT	T	PLEX8
2.19E-03 0 0	Cs2g24360.1	6.74	0	0	2 MASCOT	T	PLEX8
4.74E-02 0 0	Cs2g24360.1	6.74	0	0	2 MASCOT	T	PLEX8
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1.48E-04 0 0	Cs2g24360.1	6.74	0	0	2 MASCOT	T	PLEX8
2.65E-04 0 0	Cs2g24360.1	6.74	0	0	2 MASCOT	T	PLEX8
1.69E-02 0 0	Cs2g24360.1	6.74	0	0	2 MASCOT	T	PLEX8
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1.38E-02 0 0	Cs2g24360.1	6.74	0	0	2 MASCOT	T	PLEX8
1.31E-01 0 0	Cs2g24360.1	6.74	0	0	2 MASCOT	T	PLEX8
3.11E-03 0 0	Cs2g24360.1	6.74	0	0	2 MASCOT	T	PLEX8
8.78E-04 0 0	Cs2g24360.1	6.74	0	0	2 MASCOT	T	PLEX8
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1.09E-02 0 0	Cs2g24360.1	6.74	0	0	2 MASCOT	T	PLEX8
2.09E-04 0 0	Cs2g24360.1	6.74	0	0	2 MASCOT	T	PLEX8
2.06E-04 0|0	Cs2g24360.1	6.74	0	0	2 MASCOT	T	PLEX8
2.90E-02 0|0	Cs2g24360.1	6.74	0	0	2 MASCOT	T	PLEX8
6.38E-03 0|0	Cs2g24360.1	6.74	0	0	2 MASCOT	T	PLEX8
1.59E-02 0|0	Cs2g24360.1	6.74	0	0	2 MASCOT	T	PLEX8
1.83E-03 0|0	Cs2g24360.1	6.74	0	0	2 MASCOT	T	PLEX8
3.28E-01 0|0	Cs2g24360.1	6.74	0	0	2 MASCOT	T	PLEX8
3.29E-02 0|0	Cs2g24360.1	6.74	0	0	2 MASCOT	T	PLEX8
1.50E-02 0|0	Cs2g24360.1	6.74	0	0	2 MASCOT	T	PLEX8
5.82E-03 0|0	Cs2g24360.1	6.74	0	0	2 MASCOT	T	PLEX8
9.01E-03 0|0	Cs2g24360.1	6.74	0	0	2 MASCOT	T	PLEX8
2.50E-02 0|0	Cs2g24360.1	6.74	0	0	2 MASCOT	T	PLEX8
2.65E-04 0|0	Cs2g24360.1	6.74	0	0	2 MASCOT	T	PLEX8
5.62E-03 0|0	Cs2g24360.1	6.74	0	0	2 MASCOT	T	PLEX8
1.13E-01 0|0	Cs2g24360.1	6.74	0	0	2 MASCOT	T	PLEX8
5.49E-02 0|0	Cs2g24360.1	4.14	0	0	2 MASCOT	T	PLEX8
8.14E-02 0|0	Cs2g24360.1	4.14	0	0	2 MASCOT	T	PLEX8
1.43E-01 0|0	Cs2g24360.1	4.14	0	0	2 MASCOT	T	PLEX8
2.95E-02 0|0	Cs2g24360.1	4.14	0	0	2 MASCOT	T	PLEX8
8.32E-02 0|0	Cs2g24360.1	4.14	0	0	2 MASCOT	T	PLEX8
1.08E-02 0|0	Cs2g24360.1	4.14	0	0	2 MASCOT	T	PLEX8
7.88E-03 0|0	Cs2g24360.1	4.14	0	0	2 MASCOT	T	PLEX8
5.34E-02 0|0	Cs2g24360.1	4.14	0	0	2 MASCOT	T	PLEX8
7.07E-02 0|0	Cs2g24360.1	4.14	0	0	2 MASCOT	T	PLEX8
3.09E-03 0 0	Cs2g24360.1	4.14	0	0	2 MASCOT	T	PLEX8
7.02E-02 0 0	Cs2g24360.1	4.14	0	0	2 MASCOT	T	PLEX8
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3.44E-02 0 0	Cs2g24360.1	4.14	0	0	2 MASCOT	T	PLEX8
1.76E-01 0 0	Cs2g24360.1	4.14	0	0	2 MASCOT	T	PLEX8
1.25E-01 0 0	Cs2g24360.1	4.14	0	0	2 MASCOT	T	PLEX8

6.99E-02 0 0	Cs2g24360.1	4.14	0	0	2 MASCOT	T	PLEX8	
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3.10E-02 0 0	Cs2g24360.1	4.14	0	0	2 MASCOT	T	PLEX8	
8.70E-02 0 0	Cs2g24360.1	4.14	0	0	2 MASCOT	T	PLEX8	
1.22E-01 0 0	Cs2g24360.1	4.14	0	0	2 MASCOT	T	PLEX8	
9.09E-02 0 0	Cs2g24360.1	4.14	0	0	2 MASCOT	T	PLEX8	
1.13E-01 0 0	Cs2g24360.1	4.14	0	0	2 MASCOT	T		
1.59E-02 0 0	Cs2g24360.1	4.14	0	0	2 MASCOT	T		
3.80E-01 0 0	Cs2g24360.1	4.14	0	0	2 MASCOT	T		
1.01E-01 0 0	Cs2g24360.1	4.14	0	0	2 MASCOT	T	PLEX8	
4.50E-02 0 0	Cs2g24360.1	4.14	0	0	2 MASCOT	T	PLEX8	
3.28E-01 0 0	Cs2g24360.1	4.14	0	0	2 MASCOT	T		
3.88E-03 0 0	Cs2g24360.1	4.14	0	15.9	0	2 MASCOT	T	
7.46E-03 0 0	Cs2g24360.1	4.14	0	15.9	0	2 MASCOT	T	
1.92E-04 0 0	Cs2g24360.1	4.14	0	0	2 MASCOT	T		
9.41E-02 0 0	Cs2g24360.1	5.84	0	15.9	0	2 MASCOT	T	PLEX8
2.03E-01 0 0	Cs2g24360.1	5.84	0	0	2 MASCOT	T	PLEX8	
1.30E-01 0 0	Cs2g24360.1	5.84	0	0	2 MASCOT	T	PLEX8	
3.24E-01 0 0	Cs2g24360.1	5.84	0	0	2 MASCOT	T		
2.22E-01 0 0	Cs2g24360.1	5.84	0	0	2 MASCOT	T	PLEX8	
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6.37E-06 0 0	Cs2g24360.1	3.77	0	0	2 MASCOT	T		
1.88E-01 0 0	Cs2g24360.1	8.47	0	0	2 MASCOT	T	PLEX8	
6.15E-02 0 0	Cs2g24360.1	8.47	0	0	2 MASCOT	T	PLEX8	
2.30E-02 0 0	Cs2g24360.1	8.47	0	0	2 MASCOT	T	PLEX8	
1.00E-03 0 0	Cs2g24360.1	8.47	0	0	2 MASCOT	T	PLEX8	
7.56E-02 0 0	Cs2g24360.1	8.47	0	0	2 MASCOT	T	PLEX8	
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2.04E-01 0 0	Cs2g24360.1	8.47	0	0	2 MASCOT	T	PLEX8	
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1.84E-03 0 0	Cs2g24360.1	8.47	0	0	2 MASCOT	T		
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3.70E-01 0 0	Cs2g24360.1	8.47	0	0	2 MASCOT	T	PLEX8	
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5.10E-02 0 0	Cs2g24360.1	8.47	0	0	2 MASCOT	T	PLEX8	
1.05E-02 0 0	Cs2g24360.1	8.47	0	0	2 MASCOT	T	PLEX8	
8.66E-03 0 0	Cs2g24360.1	8.47	0	0	2 MASCOT	T	PLEX8	

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9.65E-03 0 0	Cs2g24360.1	8.47	0	0	2 MASCOT	T	PLEX8
7.83E-02 0 0	Cs2g24360.1	8.47	0	0	2 MASCOT	T	PLEX8
9.86E-03 0 0	Cs2g24360.1	8.47	0	0	2 MASCOT	T	PLEX8
1.44E-01 0 0	Cs2g24360.1	8.47	0	0	2 MASCOT	T	
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2.97E-03 0 0	Cs2g24360.1	8.47	0	0	2 MASCOT	T	
9.00E-03 0 0	Cs2g24360.1	8.47	0	0	2 MASCOT	T	
3.72E-03 0|0	Cs2g24360.1	8.47	0	0	2 MASCOT	T	
2.96E-03 0|0	Cs2g24360.1	8.47	0	0	2 MASCOT	T	
6.44E-02 0|0	Cs2g24360.1	8.47	0	0	2 MASCOT	T	
8.74E-03 0|0	Cs2g24360.1 ! Cs7g10	4.53	0 15.9	0	2 MASCOT	T	PLEX8
4.79E-03 0|0	Cs2g24360.1 ! Cs7g10	4.53	0 15.9	0	2 MASCOT	T	PLEX8
1.24E-02 0|0	Cs2g24360.1 ! Cs7g10	4.53	0 15.9	0	2 MASCOT	T	PLEX8
1.23E-02 0|0	Cs2g24360.1 ! Cs7g10	4.53	0 15.9	0	2 MASCOT	T	PLEX8
7.35E-03 0|0	Cs2g24360.1 ! Cs7g10	4.53	0 15.9	0	2 MASCOT	T	PLEX8
1.47E-02 0|0	Cs2g24360.1 ! Cs7g10	4.53	0 15.9	0	2 MASCOT	T	PLEX8
7.32E-03 0|0	Cs2g24360.1 ! Cs7g10	4.53	0 15.9	0	2 MASCOT	T	PLEX8
2.03E-02 0|0	Cs2g24360.1 ! Cs7g10	4.53	0 15.9	0	2 MASCOT	T	PLEX8
3.53E-03 0|0	Cs2g24360.1 ! Cs7g10	4.53	0 15.9	0	2 MASCOT	T	PLEX8
4.99E-03 0|0	Cs2g24360.1 ! Cs7g10	4.53	0 15.9	0	2 MASCOT	T	PLEX8
1.10E-02 0|0	Cs2g24360.1 ! Cs7g10	4.53	0 15.9	0	2 MASCOT	T	PLEX8
1.86E-02 0|0	Cs2g24360.1 ! Cs7g10	4.53	0 15.9	0	2 MASCOT	T	PLEX8
1.31E-02 0|0	Cs2g24360.1 ! Cs7g10	4.53	0 15.9	0	2 MASCOT	T	PLEX8
2.63E-02 0|0	Cs2g24360.1 ! Cs7g10	4.53	0 15.9	0	2 MASCOT	T	PLEX8
1.43E-02 0|0	Cs2g24360.1 ! Cs7g10	4.53	0 15.9	0	2 MASCOT	T	PLEX8
2.80E-02 0|0	Cs2g24360.1 ! Cs7g10	4.53	0 15.9	0	2 MASCOT	T	PLEX8
3.44E-02 0|0	Cs2g24360.1 ! Cs7g10	4.53	0 15.9	0	2 MASCOT	T	PLEX8
9.90E-03 0|0	Cs2g24360.1 ! Cs7g10	4.53	0 15.9	0	2 MASCOT	T	PLEX8
7.68E-04 0|0	Cs2g24360.1 ! Cs7g10	4.53	0 15.9	0	2 MASCOT	T	PLEX8
2.16E-03 0|0	Cs2g24360.1 ! Cs7g10	4.53	0 15.9	0	2 MASCOT	T	
3.38E-02 0|0	Cs2g24360.1 ! Cs7g10	4.53	0 15.9	0	2 MASCOT	T	PLEX8
1.01E-02 0|0	Cs2g24360.1 ! Cs7g10	4.53	0 15.9	0	2 MASCOT	T	PLEX8
1.34E-02 0|0	Cs2g24360.1 ! Cs7g10	4.53	0 15.9	0	2 MASCOT	T	PLEX8
1.28E-02 0|0	Cs2g24360.1 ! Cs7g10	4.53	0 15.9	0	2 MASCOT	T	PLEX8
1.09E-02 0|0	Cs2g24360.1 ! Cs7g10	4.53	0 15.9	0	2 MASCOT	T	PLEX8
1.47E-03 0|0	Cs2g24360.1 ! Cs7g10	4.53	0 15.9	0	2 MASCOT	T	PLEX8
2.55E-04 0|0	Cs2g24360.1 ! Cs7g10	4.53	0 15.9	0	2 MASCOT	T	
1.22E-02 0|0	Cs2g24360.1 ! Cs7g10	4.53	0 15.9	0	2 MASCOT	T	
1.50E-02 0|0	Cs2g24360.1 ! Cs7g10	4.53	0 15.9	0	2 MASCOT	T	
1.90E-02 0|0	Cs2g24360.1 ! Cs7g10	4.53	0 15.9	0	2 MASCOT	T	PLEX8
3.33E-02 0|0	Cs2g24360.1 ! Cs7g10	4.53	0 15.9	0	2 MASCOT	T	PLEX8
3.95E-04 0|0	Cs2g24360.1 ! Cs7g10	4.53	0 15.9	0	2 MASCOT	T	PLEX8
1.62E-02 0|0	Cs2g24360.1 ! Cs7g10	4.53	0 15.9	0	2 MASCOT	T	
3.31E-02 0|0	Cs2g24360.1 ! Cs7g10	4.53	0 15.9	0	2 MASCOT	T	
1.55E-03 0|0	Cs2g24360.1 ! Cs7g10	4.53	0 15.9	0	2 MASCOT	T	
3.59E-02 0|0	Cs2g24360.1 ! Cs7g10	4.53	0 15.9	0	2 MASCOT	T	PLEX8
1.26E-02 0|0	Cs2g24360.1 ! Cs7g10	4.53	0 15.9	0	2 MASCOT	T	PLEX8
9.98E-03 0|0	Cs2g24360.1 ! Cs7g10	4.53	0 15.9	0	2 MASCOT	T	PLEX8
1.35E-02 0|0	Cs2g24360.1 ! Cs7g10	4.53	0 15.9	0	2 MASCOT	T	PLEX8
8.05E-03 0|0	Cs2g24360.1 ! Cs7g10	4.53	0 15.9	0	2 MASCOT	T	

5.72E-03	0|0	Cs2g24360.1 ! Cs7g10	4.53	0	15.9	0	2	MASCOT	T	
1.58E-02	0|0	Cs2g24360.1 ! Cs7g10	4.53	0	15.9	0	2	MASCOT	T	PLEX8
6.22E-03	0|0	Cs2g24360.1 ! Cs7g10	4.53	0	15.9	0	2	MASCOT	T	PLEX8
6.17E-03	0|0	Cs2g24360.1 ! Cs7g10	4.53	0	15.9	0	2	MASCOT	T	PLEX8
2.54E-02	0|0	Cs2g24360.1 ! Cs7g10	4.53	0	15.9	0	2	MASCOT	T	PLEX8
2.16E-02	0|0	Cs2g24360.1 ! Cs7g10	4.53	0	15.9	0	2	MASCOT	T	PLEX8
7.31E-03	0|0	Cs2g24360.1 ! Cs7g10	4.53	0	15.9	0	2	MASCOT	T	PLEX8
1.97E-02	0|0	Cs2g24360.1 ! Cs7g10	4.53	0	15.9	0	2	MASCOT	T	PLEX8
3.06E-02	0|0	Cs2g24360.1 ! Cs7g10	4.53	0	15.9	0	2	MASCOT	T	PLEX8
1.77E-02	0|0	Cs2g24360.1 ! Cs7g10	4.53	0	15.9	0	2	MASCOT	T	PLEX8
9.56E-03	0|0	Cs2g24360.1 ! Cs7g10	4.53	0	15.9	0	2	MASCOT	T	PLEX8
1.44E-02	0|0	Cs2g24360.1 ! Cs7g10	4.53	0	15.9	0	2	MASCOT	T	PLEX8
3.69E-02	0|0	Cs2g24360.1 ! Cs7g10	4.53	0	15.9	0	2	MASCOT	T	PLEX8
3.46E-03	0|0	Cs2g24360.1 ! Cs7g10	4.53	0	15.9	0	2	MASCOT	T	PLEX8
3.49E-02	0|0	Cs2g24360.1 ! Cs7g10	4.53	0	15.9	0	2	MASCOT	T	PLEX8
3.85E-02	0|0	Cs2g24360.1 ! Cs7g10	4.53	0	15.9	0	2	MASCOT	T	PLEX8
1.02E-03	0|0	Cs2g24360.1 ! Cs7g10	4.53	0	15.9	0	2	MASCOT	T	PLEX8
2.57E-03	0|0	Cs2g24360.1 ! Cs7g10	4.53	0	15.9	0	2	MASCOT	T	
1.97E-02	0|0	Cs2g24360.1 ! Cs7g10	4.53	0	15.9	0	2	MASCOT	T	
1.02E-02	0|0	Cs2g24360.1 ! Cs7g10	4.53	0	15.9	0	2	MASCOT	T	
2.35E-02	0|0	Cs2g24360.1 ! Cs7g10	4.53	0	15.9	0	2	MASCOT	T	PLEX8
7.34E-04	0|0	Cs2g24360.1 ! Cs7g10	4.53	0	15.9	0	2	MASCOT	T	PLEX8
1.74E-03	0|0	Cs2g24360.1 ! Cs7g10	4.53	0	15.9	0	2	MASCOT	T	PLEX8
4.40E-03	0|0	Cs2g24360.1 ! Cs7g10	4.53	0	15.9	0	2	MASCOT	T	PLEX8
8.21E-04	0|0	Cs2g24360.1 ! Cs7g10	4.53	0	15.9	0	2	MASCOT	T	PLEX8
2.00E-02	0|0	Cs2g24360.1 ! Cs7g10	4.53	0		0	2	MASCOT	T	PLEX8
2.85E-03	0|0	Cs2g24360.1 ! Cs7g10	4.53	0		0	2	MASCOT	T	PLEX8
2.31E-03	0|0	Cs2g24360.1 ! Cs7g10	4.53	0		0	2	MASCOT	T	PLEX8
5.23E-05	0|0	Cs2g24360.1 ! Cs7g10	4.53	0		0	2	MASCOT	T	PLEX8
5.76E-03	0|0	Cs2g24360.1 ! Cs7g10	4.53	0		0	2	MASCOT	T	PLEX8
3.44E-03	0|0	Cs2g24360.1 ! Cs7g10	4.53	0		0	2	MASCOT	T	PLEX8
2.85E-03	0|0	Cs2g24360.1 ! Cs7g10	4.53	0		0	2	MASCOT	T	PLEX8
2.13E-03	0|0	Cs2g24360.1 ! Cs7g10	4.53	0		0	2	MASCOT	T	PLEX8
1.12E-02	0|0	Cs2g24360.1 ! Cs7g10	4.53	0		0	2	MASCOT	T	PLEX8
3.47E-03	0|0	Cs2g24360.1 ! Cs7g10	4.53	0		0	2	MASCOT	T	PLEX8
1.91E-02	0|0	Cs2g24360.1 ! Cs7g10	4.53	0		0	2	MASCOT	T	PLEX8
6.12E-03	0|0	Cs2g24360.1 ! Cs7g10	4.53	0		0	2	MASCOT	T	PLEX8
3.87E-03	0|0	Cs2g24360.1 ! Cs7g10	4.53	0		0	2	MASCOT	T	PLEX8
2.81E-02	0|0	Cs2g24360.1 ! Cs7g10	4.53	0		0	2	MASCOT	T	PLEX8
3.93E-02	0|0	Cs2g24360.1 ! Cs7g10	4.53	0		0	2	MASCOT	T	PLEX8
2.06E-02	0|0	Cs2g24360.1 ! Cs7g10	4.53	0		0	2	MASCOT	T	PLEX8
3.62E-02	0|0	Cs2g24360.1 ! Cs7g10	4.53	0		0	2	MASCOT	T	PLEX8
1.40E-03	0|0	Cs2g24360.1 ! Cs7g10	4.53	0		0	2	MASCOT	T	PLEX8
1.06E-04	0|0	Cs2g24360.1 ! Cs7g10	4.53	0		0	2	MASCOT	T	PLEX8
1.22E-03	0|0	Cs2g24360.1 ! Cs7g10	4.53	0		0	2	MASCOT	T	PLEX8
1.92E-03	0|0	Cs2g24360.1 ! Cs7g10	4.53	0		0	2	MASCOT	T	PLEX8
3.48E-04	0|0	Cs2g24360.1 ! Cs7g10	4.53	0		0	2	MASCOT	T	PLEX8
3.35E-03	0|0	Cs2g24360.1 ! Cs7g10	4.53	0		0	2	MASCOT	T	PLEX8
3.92E-02	0|0	Cs2g24360.1 ! Cs7g10	4.53	0		0	2	MASCOT	T	PLEX8
3.18E-03	0|0	Cs2g24360.1 ! Cs7g10	4.53	0		0	2	MASCOT	T	PLEX8
4.96E-02	0|0	Cs2g24360.1 ! Cs7g10	4.53	0		0	2	MASCOT	T	PLEX8

3.11E-02	0|0	Cs2g24360.1 ! Cs7g10	4.53	0	0	2	MASCOT	T	PLEX8	
4.10E-03	0|0	Cs2g24360.1 ! Cs7g10	4.53	0	0	2	MASCOT	T	PLEX8	
5.61E-02	0|0	Cs2g24360.1 ! Cs7g10	4.53	0	0	2	MASCOT	T		
3.33E-02	0|0	Cs2g24360.1 ! Cs7g10	4.53	0	0	2	MASCOT	T		
3.78E-04	0|0	Cs2g24360.1 ! Cs7g10	4.53	0	0	2	MASCOT	T		
2.93E-04	0|0	Cs2g24360.1 ! Cs7g10	4.53	0	0	2	MASCOT	T		
1.37E-02	0|0	Cs2g24360.1 ! Cs7g10	4.53	0	0	2	MASCOT	T	PLEX8	
3.27E-03	0 0	Cs2g24360.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
1.18E-02	0 0	Cs2g24360.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
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6.23E-02	0 0	Cs2g24360.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
1.41E-01	0 0	Cs2g24360.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
5.30E-03	0 0	Cs2g24360.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
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8.47E-03	0 0	Cs2g24360.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
1.92E-02	0 0	Cs2g24360.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
6.10E-02	0|0	Cs2g24360.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
1.33E-01	0|0	Cs2g24360.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
3.70E-02	0|0	Cs2g24360.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
3.27E-01	0|0	Cs2g24360.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
7.36E-02	0|0	Cs2g24360.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
1.46E-01	0|0	Cs2g24360.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
2.51E-02	0|0	Cs2g24360.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
3.78E-02	0|0	Cs2g24360.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
3.65E-02	0|0	Cs2g24360.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
4.01E-02	0|0	Cs2g24360.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
7.47E-02	0|0	Cs2g24360.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
1.06E-01	0|0	Cs2g24360.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
2.18E-01	0|0	Cs2g24360.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
1.62E-01	0|0	Cs2g24360.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
1.94E-03	0|0	Cs2g24360.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
5.49E-02	0|0	Cs2g24360.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
2.70E-02	0|0	Cs2g24360.1	4.53	0	15.9	0	2	MASCOT	T	
9.66E-02	0|0	Cs2g24360.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
1.40E-01	0|0	Cs2g24360.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
1.98E-02	0|0	Cs2g24360.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
1.57E-01	0|0	Cs2g24360.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
1.09E-02	0|0	Cs2g24360.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
1.97E-02	0|0	Cs2g24360.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
6.99E-02	0|0	Cs2g24360.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
8.48E-03	0|0	Cs2g24360.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
1.19E-01	0|0	Cs2g24360.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
1.25E-01	0|0	Cs2g24360.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
5.98E-03	0|0	Cs2g24360.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
3.58E-01	0|0	Cs2g24360.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
4.60E-01	0|0	Cs2g24360.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
8.71E-03	0|0	Cs2g24360.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
3.95E-02	0|0	Cs2g24360.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
3.31E-01	0|0	Cs2g24360.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
3.99E-02	0|0	Cs2g24360.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
1.84E-01	0|0	Cs2g24360.1	4.53	0	15.9	0	2	MASCOT	T	

2.18E-01 0|0	Cs2g24360.1	4.53	0	0	2 MASCOT	T	PLEX8
2.20E-02 0|0	Cs2g24360.1	4.53	0	0	2 MASCOT	T	PLEX8
2.12E-03 0|0	Cs2g24360.1	4.53	0	0	2 MASCOT	T	PLEX8
2.20E-02 0|0	Cs2g24360.1	4.53	0	0	2 MASCOT	T	PLEX8
1.97E-03 0|0	Cs2g24360.1	4.53	0	0	2 MASCOT	T	PLEX8
3.36E-01 0|0	Cs2g24360.1	4.53	0	0	2 MASCOT	T	PLEX8
2.28E-01 0|0	Cs2g24360.1	4.53	0	0	2 MASCOT	T	PLEX8
2.47E-03 0|0	Cs2g24360.1	4.53	0	0	2 MASCOT	T	PLEX8
1.29E-03 0|0	Cs2g24360.1	4.53	0	0	2 MASCOT	T	PLEX8
2.17E-02 0|0	Cs2g24360.1	4.53	0	0	2 MASCOT	T	PLEX8
2.98E-03 0|0	Cs2g24360.1	4.53	0	0	2 MASCOT	T	PLEX8
3.08E-02 0|0	Cs2g24360.1	4.53	0	0	2 MASCOT	T	PLEX8
4.33E-01 0|0	Cs2g24360.1	4.53	0	0	2 MASCOT	T	PLEX8
7.83E-02 0|0	Cs2g24360.1	4.53	0	0	2 MASCOT	T	PLEX8
2.24E-03 0|0	Cs2g24360.1	4.53	0	0	2 MASCOT	T	PLEX8
2.20E-02 0|0	Cs2g24360.1	4.53	0	0	2 MASCOT	T	PLEX8
3.14E-03 0|0	Cs2g24360.1	4.53	0	0	2 MASCOT	T	PLEX8
2.69E-04 0|0	Cs2g24360.1	4.53	0	0	2 MASCOT	T	PLEX8
3.49E-02 0|0	Cs2g24360.1	4.53	0	0	2 MASCOT	T	PLEX8
6.11E-02 0|0	Cs2g24360.1	4.53	0	0	2 MASCOT	T	PLEX8
5.08E-03 0|0	Cs2g24360.1	4.53	0	0	2 MASCOT	T	PLEX8
7.06E-02 0|0	Cs2g24360.1	4.53	0	0	2 MASCOT	T	PLEX8
9.82E-04 0|0	Cs2g24360.1	4.53	0	0	2 MASCOT	T	PLEX8
2.71E-01 0|0	Cs2g24360.1	4.53	0	0	2 MASCOT	T	PLEX8
1.37E-02 0|0	Cs2g24360.1	4.53	0	0	2 MASCOT	T	PLEX8
2.13E-01 0|0	Cs2g24360.1	4.53	0	0	2 MASCOT	T	PLEX8
4.89E-04 0|0	Cs2g24360.1	4.53	0	0	2 MASCOT	T	PLEX8
8.01E-03 0|0	Cs2g24360.1	4.53	0	0	2 MASCOT	T	PLEX8
7.44E-03 0|0	Cs2g24360.1	4.53	0	0	2 MASCOT	T	PLEX8
2.11E-03 0|0	Cs2g24360.1	4.53	0	0	2 MASCOT	T	PLEX8
8.25E-03 0|0	Cs2g24360.1	4.53	0	0	2 MASCOT	T	
2.49E-01 0|0	Cs2g24360.1	4.53	0	0	2 MASCOT	T	PLEX8
1.58E-03 0|0	Cs2g24360.1	4.53	0	0	2 MASCOT	T	PLEX8
2.28E-03 0|0	Cs2g24360.1	4.53	0	0	2 MASCOT	T	PLEX8
1.36E-03 0|0	Cs2g24360.1	4.53	0	0	2 MASCOT	T	PLEX8
2.08E-03 0|0	Cs2g24360.1	4.53	0	0	2 MASCOT	T	PLEX8
2.92E-01 0|0	Cs2g24360.1	4.53	0	0	2 MASCOT	T	PLEX8
3.29E-03 0|0	Cs2g24360.1	4.53	0	0	2 MASCOT	T	PLEX8
3.04E-01 0|0	Cs2g24360.1	4.53	0	0	2 MASCOT	T	PLEX8
3.13E-02 0|0	Cs2g24360.1	4.53	0	0	2 MASCOT	T	PLEX8
9.03E-05 0|0	Cs2g24360.1	4.53	0	0	2 MASCOT	T	PLEX8
3.08E-03 0|0	Cs2g24360.1	4.53	0	0	2 MASCOT	T	PLEX8
2.57E-02 0|0	Cs2g24360.1	4.53	0	0	2 MASCOT	T	PLEX8
1.43E-02 0|0	Cs2g24360.1	4.53	0	0	2 MASCOT	T	PLEX8
4.43E-02 0|0	Cs2g24360.1	4.53	0	0	2 MASCOT	T	PLEX8
4.81E-03 0|0	Cs2g24360.1	4.53	0	0	2 MASCOT	T	PLEX8
1.97E-03 0|0	Cs2g24360.1	4.53	0	0	2 MASCOT	T	PLEX8
1.07E-01 0|0	Cs2g24360.1	4.53	0	0	2 MASCOT	T	PLEX8
1.40E-03 0|0	Cs2g24360.1	4.53	0	0	2 MASCOT	T	PLEX8
8.44E-02 0|0	Cs2g24360.1	4.53	0	0	2 MASCOT	T	
2.14E-02 0|0	Cs6g15430.1	6.05	0	0	2 MASCOT	T	PLEX8

3.16E-04 0|0	Cs6g15430.1	6.05	0	0	2 MASCOT	T	PLEX8
1.71E-05 0|0	Cs6g15430.1	6.05	0	0	2 MASCOT	T	PLEX8
2.23E-04 0|0	Cs6g15430.1	6.05	0	0	2 MASCOT	T	PLEX8
1.83E-05 0|0	Cs6g15430.1	6.05	0	0	2 MASCOT	T	PLEX8
1.12E-03 0|0	Cs6g15430.1	6.05	0	0	2 MASCOT	T	PLEX8
3.99E-02 0|0	Cs6g15430.1	6.05	0	0	2 MASCOT	T	PLEX8
1.34E-04 0|0	Cs6g15430.1	6.05	0	0	2 MASCOT	T	PLEX8
1.75E-05 0|0	Cs6g15430.1	6.05	0	0	2 MASCOT	T	PLEX8
1.20E-01 0|0	Cs6g15430.1	6.05	0	0	2 MASCOT	T	PLEX8
2.91E-03 0|0	Cs6g15430.1	6.05	0	0	2 MASCOT	T	PLEX8
3.24E-03 0|0	Cs6g15430.1	6.05	0	0	2 MASCOT	T	PLEX8
4.26E-02 0|0	Cs6g15430.1	9.8	0	0	2 MASCOT	T	PLEX8
9.27E-02 0|0	Cs6g15430.1	4.37	0	0	2 MASCOT	T	PLEX8
1.86E-02 0|0	Cs6g15430.1	4.37	0	0	2 MASCOT	T	PLEX8
1.72E-02 0|0	Cs6g15430.1	6.1	0	0	2 MASCOT	T	PLEX8
1.14E-02 0|0	Cs6g15430.1	6.1	0	0	2 MASCOT	T	PLEX8
1.05E-01 0|0	Cs6g15430.1	6.1	0	0	2 MASCOT	T	PLEX8
7.29E-02 0|0	Cs6g15430.1	6.1	0	0	2 MASCOT	T	PLEX8
1.12E-01 0|0	Cs6g15430.1	6.1	0	0	2 MASCOT	T	PLEX8
6.02E-02 0|0	Cs6g15430.1	6.1	0	0	2 MASCOT	T	PLEX8
1.11E-01 0|0	Cs6g15430.1	6.1	0	0	2 MASCOT	T	PLEX8
4.16E-02 0|0	Cs6g15430.1	6.1	0	0	2 MASCOT	T	PLEX8
1.87E-02 0|0	Cs6g15430.1	6.1	0	0	2 MASCOT	T	PLEX8
5.50E-02 0|0	Cs6g15430.1	6.1	0	0	2 MASCOT	T	PLEX8
1.45E-01 0|0	Cs6g15430.1	6.1	0	0	2 MASCOT	T	PLEX8
1.82E-01 0|0	Cs6g15430.1	6.1	0	0	2 MASCOT	T	PLEX8
1.69E-06 0|0	Cs6g15430.1	4.65	0	0	2 MASCOT	T	PLEX8
7.80E-07 0|0	Cs6g15430.1	4.65	0	0	2 MASCOT	T	PLEX8
3.57E-07 0|0	Cs6g15430.1	4.65	0	0	2 MASCOT	T	PLEX8
2.90E-07 0|0	Cs6g15430.1	4.65	0	0	2 MASCOT	T	PLEX8
3.22E-01 0|0	Cs4g08150.1/Cs4g081	4.37	0	0	2 MASCOT	T	PLEX8
2.72E-04 0|0	Cs4g08150.1/Cs4g081	4.37	0	0	2 MASCOT	T	PLEX8
3.59E-03 0|0	Cs4g08150.1/Cs4g081	4.37	0	0	2 MASCOT	T	PLEX8
1.50E-04 0|0	Cs4g08150.1/Cs4g081	4.37	0	0	2 MASCOT	T	PLEX8
3.51E-03 0|0	Cs4g08150.1/Cs4g081	4.37	0	0	2 MASCOT	T	PLEX8
2.91E-06 0|0	Cs4g08150.1/Cs4g081	4.37	0	0	2 MASCOT	T	PLEX8
2.67E-06 0|0	Cs4g08150.1/Cs4g081	4.37	0	0	2 MASCOT	T	PLEX8
7.46E-02 0|0	Cs4g08150.1/Cs4g081	4.37	0	0	2 MASCOT	T	PLEX8
5.40E-03 0|0	Cs4g08150.1/Cs4g081	4.37	0	0	2 MASCOT	T	PLEX8
2.82E-03 0|0	Cs4g08150.1/Cs4g081	4.37	0	0	2 MASCOT	T	PLEX8
2.75E-01 0|0	Cs6g15430.1	8.59	0	0	2 MASCOT	T	PLEX8
2.76E-02 0|0	Cs6g15430.1	8.59	0	0	2 MASCOT	T	PLEX8
7.64E-02 0|0	Cs6g15430.1	8.59	0	0	2 MASCOT	T	PLEX8
6.33E-02 0|0	Cs6g15430.1	8.59	0	0	2 MASCOT	T	PLEX8
1.62E-02 0|0	Cs6g15430.1	8.59	0	0	2 MASCOT	T	PLEX8
3.26E-02 0|0	Cs6g15430.1	8.59	0	0	2 MASCOT	T	PLEX8
3.90E-01 0|0	Cs6g15430.1	8.59	0	0	2 MASCOT	T	PLEX8
1.86E-02 0|0	Cs6g15430.1	8.59	0	0	2 MASCOT	T	PLEX8
6.40E-02 0|0	Cs6g15430.1	8.59	0	0	2 MASCOT	T	PLEX8
9.81E-03 0|0	Cs6g15430.1	5.32	0	0	2 MASCOT	T	PLEX8
1.89E-01 0|0	Cs6g15430.1	5.32	0	0	2 MASCOT	T	PLEX8

2.99E-03 0|0	Cs6g15430.1	5.32	0	0	2 MASCOT	T	PLEX8
2.44E-01 0|0	Cs6g15430.1	5.32	0	0	2 MASCOT	T	PLEX8
2.07E-02 0|0	Cs6g15430.1	5.32	0	0	2 MASCOT	T	PLEX8
7.04E-03 0|0	Cs6g15430.1	5.32	0	0	2 MASCOT	T	PLEX8
4.42E-04 0|0	Cs6g15430.1	5.32	0	0	2 MASCOT	T	PLEX8
8.84E-04 0|0	Cs6g15430.1	5.32	0	0	2 MASCOT	T	PLEX8
3.20E-02 0|0	Cs6g15430.1	5.32	0	0	2 MASCOT	T	PLEX8
3.70E-03 0|0	Cs6g15430.1	5.32	0	0	2 MASCOT	T	
4.13E-05 0|0	Cs6g15430.1	5.32	0	0	2 MASCOT	T	
1.12E-01 0|0	Cs6g15430.1	4.37	0	0	2 MASCOT	T	PLEX8
2.26E-01 0|0	Cs6g15430.1	4.37	0	0	2 MASCOT	T	PLEX8
3.63E-01 0|0	Cs6g15430.1	4.37	0	0	2 MASCOT	T	PLEX8
1.04E-01 0|0	Cs6g15430.1	4.37	0	0	2 MASCOT	T	PLEX8
1.05E-01 0|0	Cs6g15430.1	4.37	0	0	2 MASCOT	T	PLEX8
1.32E-01 0|0	Cs6g15430.1	4.37	0	0	2 MASCOT	T	
5.27E-01 0|0	Cs6g15430.1	4.37	0	0	2 MASCOT	T	
3.19E-01 0|0	Cs6g15430.1	4.37	0	0	2 MASCOT	T	
1.64E-02 0|0	Cs4g08150.1 ! Cs6g15	8.8	0	0	2 MASCOT	T	PLEX8
9.06E-02 0|0	Cs4g08150.1 ! Cs6g15	8.8	0	0	2 MASCOT	T	PLEX8
2.30E-01 0|0	Cs4g08150.1 ! Cs6g15	8.8	0	0	2 MASCOT	T	PLEX8
8.43E-02 0|0	Cs4g08150.1 ! Cs6g15	8.8	0	0	2 MASCOT	T	PLEX8
2.53E-02 0|0	Cs4g08150.1 ! Cs6g15	8.8	0	0	2 MASCOT	T	PLEX8
2.83E-01 0|0	Cs4g08150.1 ! Cs6g15	8.8	0	0	2 MASCOT	T	PLEX8
2.36E-01 0|0	Cs4g08150.1 ! Cs6g15	8.8	0	0	2 MASCOT	T	PLEX8
1.42E-01 0|0	Cs4g08150.1 ! Cs6g15	8.8	0	0	2 MASCOT	T	PLEX8
1.03E-01 0|0	Cs4g08150.1 ! Cs6g15	8.8	0	0	2 MASCOT	T	
1.36E-01 0|0	Cs6g15430.1	4.53	0	0	2 MASCOT	T	
2.04E-04 0|0	Cs6g15430.1	4.53	0	0	2 MASCOT	T	
8.44E-04 0|0	Cs6g15430.1	4.53	0	0	2 MASCOT	T	
1.39E-02 0|0	Cs6g15430.1	6.14	1	0	2 MASCOT	T	PLEX8
3.61E-02 0|0	Cs6g15430.1	8.75	0 15.9	0	2 MASCOT	T	PLEX8
1.87E-02 0|0	Cs6g15430.1	8.75	0 15.9	0	2 MASCOT	T	PLEX8
3.38E-01 0|0	Cs6g15430.1	8.75	0 15.9	0	2 MASCOT	T	PLEX8
6.05E-02 0|0	Cs6g15430.1	8.75	0	0	2 MASCOT	T	PLEX8
6.14E-02 0|0	Cs6g15430.1	8.75	0	0	2 MASCOT	T	PLEX8
2.47E-02 0|0	Cs6g15430.1	8.75	0	0	2 MASCOT	T	PLEX8
3.96E-01 0|0	Cs6g15430.1	8.75	0	0	2 MASCOT	T	PLEX8
1.73E-02 0|0	Cs6g15430.1	8.75	0	0	2 MASCOT	T	PLEX8
1.06E-01 0|0	Cs6g15430.1	8.75	0	0	2 MASCOT	T	PLEX8
1.66E-02 0|0	Cs6g15430.1	8.75	0	0	2 MASCOT	T	PLEX8
3.93E-03 0|0	Cs6g15430.1	8.75	0	0	2 MASCOT	T	PLEX8
9.40E-02 0|0	Cs6g15430.1	8.75	0	0	2 MASCOT	T	
1.91E-01 0|0	Cs6g15430.1	8.17	0	0	2 MASCOT	T	PLEX8
3.59E-02 0|0	Cs6g15430.1	8.17	0	0	2 MASCOT	T	PLEX8
1.47E-01 0|0	Cs6g15430.1	8.17	0	0	2 MASCOT	T	PLEX8
9.48E-02 0|0	Cs6g15430.1	8.17	0	0	2 MASCOT	T	PLEX8
3.46E-02 0|0	Cs6g15430.1	8.17	0	0	2 MASCOT	T	PLEX8
5.39E-02 0|0	Cs6g15430.1	8.17	0	0	2 MASCOT	T	
1.39E-01 0|0	Cs6g15430.1	8.17	0	0	2 MASCOT	T	
2.05E-01 0|0	Cs6g15430.1	8.17	0	0	2 MASCOT	T	PLEX8
9.99E-02 0|0	Cs6g15430.1	8.17	0	0	2 MASCOT	T	PLEX8

4.77E-02 0|0	Cs6g15430.1	8.17	0	0	2	MASCOT	T	PLEX8	
3.50E-02 0|0	Cs6g15430.1	8.17	0	0	2	MASCOT	T	PLEX8	
5.60E-02 0|0	Cs6g15430.1	8.17	0	0	2	MASCOT	T		
3.24E-02 0|0	Cs6g15430.1	8.17	0	0	2	MASCOT	T		
3.91E-02 0|0	Cs4g16390.1/Cs4g195	6.05	0	0	2	MASCOT	T	PLEX8	
5.86E-02 0|0	Cs4g16390.1/Cs4g163	4.53	0	0	2	MASCOT	T	PLEX8	
4.62E-02 0|0	Cs4g16390.1/Cs4g163	4.53	0	0	2	MASCOT	T	PLEX8	
9.27E-02 0|0	Cs4g16390.1/Cs4g163	4.53	0	0	2	MASCOT	T	PLEX8	
3.03E-03 0|0	Cs4g16390.1/Cs4g163	5.99	0	15.9	0	2	MASCOT	T	PLEX8
3.63E-02 0|0	Cs4g16390.1/Cs4g163	5.99	0	15.9	0	2	MASCOT	T	PLEX8
9.84E-02 0|0	Cs4g16390.1/Cs4g163	5.99	0	15.9	0	2	MASCOT	T	PLEX8
3.88E-02 0|0	Cs4g16390.1/Cs4g163	5.99	0	15.9	0	2	MASCOT	T	PLEX8
1.04E-02 0|0	Cs4g16390.1/Cs4g163	5.99	0	15.9	0	2	MASCOT	T	PLEX8
5.06E-03 0|0	Cs4g16390.1/Cs4g163	5.99	0	15.9	0	2	MASCOT	T	
1.71E-01 0|0	Cs4g16390.1/Cs4g163	5.99	0	15.9	0	2	MASCOT	T	
5.14E-03 0|0	Cs4g16390.1/Cs4g163	5.99	0	15.9	0	2	MASCOT	T	PLEX8
2.61E-03 0|0	Cs4g16390.1/Cs4g163	5.99	0	15.9	0	2	MASCOT	T	PLEX8
4.04E-02 0|0	Cs4g16390.1/Cs4g163	5.99	0	0	2	MASCOT	T	PLEX8	
4.63E-03 0|0	Cs4g16390.1/Cs4g163	5.99	0	0	2	MASCOT	T	PLEX8	
3.52E-02 0|0	Cs4g16390.1/Cs4g163	5.99	0	0	2	MASCOT	T	PLEX8	
5.94E-03 0|0	Cs4g16390.1/Cs4g163	5.99	0	0	2	MASCOT	T	PLEX8	
4.16E-02 0|0	Cs4g16390.1/Cs4g163	5.99	0	0	2	MASCOT	T	PLEX8	
3.79E-03 0|0	Cs4g16390.1/Cs4g163	5.99	0	0	2	MASCOT	T	PLEX8	
1.26E-01 0|0	Cs4g16390.1/Cs4g163	5.99	0	0	2	MASCOT	T	PLEX8	
1.28E-01 0|0	Cs4g16390.1/Cs4g163	5.99	0	0	2	MASCOT	T	PLEX8	
6.23E-02 0|0	Cs4g16390.1/Cs4g163	5.99	0	0	2	MASCOT	T	PLEX8	
7.83E-02 0|0	Cs4g16390.1/Cs4g163	5.99	0	0	2	MASCOT	T	PLEX8	
3.70E-02 0|0	Cs4g16390.1/Cs4g163	5.99	0	0	2	MASCOT	T	PLEX8	
1.01E-02 0|0	Cs4g16390.1/Cs4g163	5.99	0	0	2	MASCOT	T	PLEX8	
6.19E-02 0|0	Cs4g16390.1/Cs4g163	5.99	0	0	2	MASCOT	T	PLEX8	
4.44E-03 0|0	Cs4g16390.1/Cs4g163	5.99	0	0	2	MASCOT	T	PLEX8	
3.58E-02 0|0	Cs4g16390.1/Cs4g163	5.99	0	0	2	MASCOT	T	PLEX8	
4.22E-03 0|0	Cs4g16390.1/Cs4g163	5.99	0	0	2	MASCOT	T	PLEX8	
3.81E-02 0|0	Cs4g16390.1/Cs4g163	5.99	0	0	2	MASCOT	T	PLEX8	
3.62E-02 0|0	Cs4g16390.1/Cs4g163	5.99	0	0	2	MASCOT	T	PLEX8	
1.32E-01 0|0	Cs4g16390.1/Cs4g163	5.99	0	0	2	MASCOT	T		
3.49E-03 0|0	Cs4g16390.1/Cs4g163	5.99	0	0	2	MASCOT	T	PLEX8	
1.69E-01 0|0	Cs4g16390.1/Cs4g163	5.99	0	0	2	MASCOT	T	PLEX8	
6.06E-02 0|0	Cs4g16390.1/Cs4g163	5.99	0	0	2	MASCOT	T		
9.64E-04 0|0	Cs4g16390.1/Cs4g163	4.03	0	0	2	MASCOT	T	PLEX8	
5.39E-04 0|0	Cs4g16390.1/Cs4g163	4.03	0	0	2	MASCOT	T	PLEX8	
2.24E-02 0|0	Cs4g16390.1/Cs4g163	4.03	0	0	2	MASCOT	T	PLEX8	
5.93E-02 0|0	Cs4g16390.1/Cs4g163	4.03	0	0	2	MASCOT	T		
3.07E-06 0|0	Cs4g16390.1/Cs4g163	4.03	0	0	2	MASCOT	T		
1.98E-03 0|0	Cs4g16390.1/Cs4g163	4.03	0	0	2	MASCOT	T		
2.28E-03 0|0	Cs4g16390.1/Cs4g163	4.03	0	0	2	MASCOT	T		
6.43E-03 0|0	Cs4g16390.1/orange1.	4.21	0	0	2	MASCOT	T	PLEX8	
1.49E-03 0|0	Cs4g16390.1/orange1.	4.21	0	0	2	MASCOT	T	PLEX8	
5.73E-03 0|0	Cs4g16390.1/orange1.	4.21	0	0	2	MASCOT	T	PLEX8	
9.52E-02 0|0	Cs4g19590.1/Cs4g195	4.65	0	0	2	MASCOT	T	PLEX8	
2.39E-03 0|0	Cs4g19590.1/Cs4g195	4.65	0	0	2	MASCOT	T	PLEX8	

1.87E-01	0|0	Cs4g19590.1/Cs4g195	4.65	0	0	2	MASCOT	T	PLEX8	
4.50E-04	0|0	Cs4g19590.1/Cs4g195	4.21	0	0	2	MASCOT	T	PLEX8	
1.44E-03	0|0	Cs4g19590.1/Cs4g195	4.21	0	0	2	MASCOT	T		
4.74E-02	0|0	Cs4g19590.1/Cs4g195	4.54	0	0	2	MASCOT	T	PLEX8	
4.45E-03	0|0	Cs4g19590.1/Cs4g195	4.37	0	15.9	0	2	MASCOT	T	PLEX8
4.78E-04	0|0	Cs4g19590.1/Cs4g195	4.37	0	0	2	MASCOT	T	PLEX8	
2.86E-01	0|0	Cs4g19590.1/Cs4g195	8.63	0	0	2	MASCOT	T		
1.13E-01	0|0	Cs4g16390.1/Cs4g195	6.1	0	0	2	MASCOT	T	PLEX8	
5.29E-03	0|0	Cs4g16390.1/Cs4g195	6.1	0	0	2	MASCOT	T	PLEX8	
2.12E-01	0|0	Cs4g16390.1/Cs4g195	6.1	0	0	2	MASCOT	T	PLEX8	
8.14E-02	0|0	Cs4g16390.1/Cs4g195	6.1	0	0	2	MASCOT	T	PLEX8	
1.29E-01	0|0	Cs4g16390.1/Cs4g195	6.1	0	0	2	MASCOT	T	PLEX8	
1.34E-02	0|0	Cs4g16390.1/Cs4g195	6.1	0	0	2	MASCOT	T	PLEX8	
4.36E-02	0|0	Cs4g16390.1/Cs4g195	6.1	0	0	2	MASCOT	T	PLEX8	
4.19E-02	0|0	Cs4g16390.1/Cs4g195	6.1	0	0	2	MASCOT	T	PLEX8	
2.96E-01	0|0	Cs4g16390.1/Cs4g195	6.1	0	0	2	MASCOT	T	PLEX8	
3.26E-02	0|0	Cs4g16390.1/Cs4g195	6.1	0	0	2	MASCOT	T	PLEX8	
2.61E-01	0|0	Cs4g16390.1/Cs4g195	6.1	0	0	2	MASCOT	T	PLEX8	
1.54E-01	0|0	Cs4g16390.1/Cs4g195	6.1	0	0	2	MASCOT	T	PLEX8	
3.15E-02	0|0	Cs4g16390.1/Cs4g195	6.1	0	0	2	MASCOT	T		
2.17E-01	0|0	Cs2g02990.1/Cs2g029	6.1	0	0	2	MASCOT	T	PLEX8	
1.18E-01	0|0	Cs2g02990.1/Cs2g029	6.1	0	0	2	MASCOT	T	PLEX8	
1.27E-01	0|0	Cs2g02990.1/Cs2g029	6.1	0	0	2	MASCOT	T		
8.00E-04	0|0	Cs2g02990.1/Cs2g029	6	0	0	2	MASCOT	T		
1.42E-01	0|0	Cs2g02990.1/Cs2g029	6	0	0	2	MASCOT	T		
1.58E-03	0|0	Cs2g02990.1/Cs2g029	6	0	0	2	MASCOT	T		
7.50E-04	0|0	Cs2g02990.1/Cs2g029	6	0	0	2	MASCOT	T		
1.37E-01	0|0	Cs4g16390.1/Cs4g163	8.52	0	15.9	0	2	MASCOT	T	PLEX8
1.29E-01	0|0	Cs4g16390.1/Cs4g163	8.52	0	15.9	0	2	MASCOT	T	PLEX8
1.32E-01	0|0	Cs4g16390.1/Cs4g163	8.52	0	15.9	0	2	MASCOT	T	PLEX8
2.17E-01	0|0	Cs4g16390.1/Cs4g163	8.52	0	15.9	0	2	MASCOT	T	
7.15E-02	0|0	Cs4g16390.1/Cs4g163	8.52	0	15.9	0	2	MASCOT	T	PLEX8
1.89E-01	0|0	Cs4g16390.1/Cs4g163	8.52	0	15.9	0	2	MASCOT	T	PLEX8
2.36E-01	0|0	Cs4g16390.1/Cs4g163	8.52	0	15.9	0	2	MASCOT	T	PLEX8
2.14E-02	0|0	Cs4g16390.1/Cs4g163	8.52	0	0	2	MASCOT	T	PLEX8	
4.31E-01	0|0	Cs4g16390.1/Cs4g163	8.52	0	0	2	MASCOT	T		
5.53E-02	0|0	Cs4g16390.1/Cs4g163	8.52	0	0	2	MASCOT	T	PLEX8	
2.02E-01	0|0	Cs4g16390.1/Cs4g163	8.52	0	0	2	MASCOT	T	PLEX8	
4.77E-02	0|0	Cs4g16390.1/Cs4g163	8.52	0	0	2	MASCOT	T		
4.42E-02	0|0	Cs4g16390.1/Cs4g163	8.52	0	0	2	MASCOT	T	PLEX8	
3.84E-06	0|0	Cs2g09790.1/Cs2g097	4.53	0	0	2	MASCOT	T		
6.26E-02	0|0	Cs2g09790.1/Cs2g097	4.53	0	0	2	MASCOT	T	PLEX8	
8.88E-02	0|0	Cs2g09790.1/Cs2g097	6	0	15.9	0	2	MASCOT	T	PLEX8
1.57E-02	0|0	Cs2g09790.1/Cs2g097	6	0	15.9	0	2	MASCOT	T	PLEX8
1.38E-02	0|0	Cs2g09790.1/Cs2g097	6	0	15.9	0	2	MASCOT	T	PLEX8
2.69E-02	0|0	Cs2g09790.1/Cs2g097	6	0	15.9	0	2	MASCOT	T	PLEX8
7.26E-02	0|0	Cs2g09790.1/Cs2g097	6	0	15.9	0	2	MASCOT	T	PLEX8
2.78E-02	0|0	Cs2g09790.1/Cs2g097	6	0	15.9	0	2	MASCOT	T	PLEX8
5.57E-04	0|0	Cs2g09790.1/Cs2g097	6	0	0	2	MASCOT	T	PLEX8	
2.10E-04	0|0	Cs2g09790.1/Cs2g097	6	0	0	2	MASCOT	T	PLEX8	
1.69E-03	0|0	Cs2g09790.1/Cs2g097	6	0	0	2	MASCOT	T	PLEX8	

5.32E-01	0|0	Cs2g09790.1/Cs2g097	6	0	0	2	MASCOT	T	PLEX8	
2.57E-01	0|0	Cs2g09790.1/Cs2g097	4	0	0	2	MASCOT	T	PLEX8	
8.73E-02	0|0	Cs2g09790.1/Cs2g097	4	0	0	2	MASCOT	T	PLEX8	
1.18E-02	0|0	Cs2g09790.1/Cs2g097	4	0	0	2	MASCOT	T	PLEX8	
5.24E-02	0|0	Cs2g09790.1/Cs2g097	4	0	0	2	MASCOT	T	PLEX8	
1.11E-03	0|0	Cs2g09790.1/Cs2g097	4	0	0	2	MASCOT	T	PLEX8	
1.13E-02	0|0	Cs2g09790.1/Cs2g097	4	0	0	2	MASCOT	T	PLEX8	
1.27E-01	0|0	Cs2g09790.1/Cs2g097	4	0	0	2	MASCOT	T	PLEX8	
3.53E-03	0|0	Cs2g09790.1/Cs2g097	4	0	0	2	MASCOT	T	PLEX8	
5.17E-03	0|0	Cs2g09790.1/Cs2g097	4	0	0	2	MASCOT	T	PLEX8	
6.08E-02	0|0	Cs2g09790.1/Cs2g097	4	0	0	2	MASCOT	T	PLEX8	
3.43E-03	0|0	Cs2g09790.1/Cs2g097	4	0	0	2	MASCOT	T	PLEX8	
2.26E-01	0|0	Cs2g09790.1/Cs2g097	11	0	0	2	MASCOT	T	PLEX8	
2.26E-01	0|0	Cs2g09790.1/Cs2g097	5.59	0	0	2	MASCOT	T	PLEX8	
1.51E-01	0|0	Cs2g09790.1/Cs2g097	5.59	0	0	2	MASCOT	T	PLEX8	
2.69E-02	0|0	Cs2g09790.1/Cs2g097	5.24	0	0	2	MASCOT	T		
4.85E-04	0|0	Cs2g09790.1/Cs2g097	4.25	0	0	2	MASCOT	T		
3.78E-03	0|0	Cs2g09790.1/Cs2g097	4.25	0	0	2	MASCOT	T		
1.98E-01	0|0	Cs2g09790.1/Cs2g097	4.25	0	0	2	MASCOT	T		
2.97E-01	0|0	Cs2g09790.1/Cs2g097	4.25	0	0	2	MASCOT	T	PLEX8	
1.52E-01	0|0	Cs2g09790.1/Cs2g097	4.25	0	0	2	MASCOT	T	PLEX8	
4.03E-02	0|0	Cs2g09790.1/Cs2g097	8.72	0	0	2	MASCOT	T	PLEX8	
1.46E-01	0|0	Cs2g09790.1/Cs2g097	8.72	0	0	2	MASCOT	T	PLEX8	
7.88E-02	0|0	Cs2g09790.1/Cs2g097	8.72	0	0	2	MASCOT	T	PLEX8	
9.09E-02	0|0	Cs2g09790.1/Cs2g097	8.72	0	0	2	MASCOT	T	PLEX8	
7.30E-02	0|0	Cs2g09790.1/Cs2g097	8.72	0	0	2	MASCOT	T	PLEX8	
4.56E-03	0|0	Cs2g09790.1/Cs2g097	4.21	0	0	2	MASCOT	T	PLEX8	
3.49E-03	0|0	Cs2g09790.1/Cs2g097	4.21	0	0	2	MASCOT	T	PLEX8	
1.81E-02	0|0	Cs2g09790.1/Cs2g097	4.21	0	0	2	MASCOT	T	PLEX8	
5.10E-03	0|0	Cs2g09790.1/Cs2g097	4.21	0	0	2	MASCOT	T		
3.87E-02	0|0	Cs2g09790.1/Cs2g097	4.21	0	0	2	MASCOT	T		
5.28E-02	0|0	Cs2g09790.1/Cs2g097	4.21	0	0	2	MASCOT	T		
7.30E-02	0|0	Cs2g09790.1/Cs2g097	4.21	0	0	2	MASCOT	T	PLEX8	
9.72E-03	0|0	Cs2g09790.1/Cs2g097	4.21	0	0	2	MASCOT	T	PLEX8	
5.05E-03	0|0	Cs2g09790.1/Cs2g097	4.21	0	0	2	MASCOT	T	PLEX8	
8.80E-02	0|0	Cs2g09790.1/Cs2g097	4.21	0	0	2	MASCOT	T	PLEX8	
6.25E-03	0|0	Cs2g09790.1/Cs2g097	4.21	0	0	2	MASCOT	T	PLEX8	
6.08E-03	0|0	Cs2g09790.1/Cs2g097	4.37	0	0	2	MASCOT	T	PLEX8	
2.38E-01	0|0	Cs2g09790.1/Cs2g097	6.73	0	0	2	MASCOT	T	PLEX8	
1.59E-01	0|0	Cs2g09790.1/Cs2g097	6.73	0	0	2	MASCOT	T	PLEX8	
8.11E-02	0|0	Cs2g09790.1/Cs2g097	6.73	0	0	2	MASCOT	T	PLEX8	
7.77E-02	0|0	Cs2g09790.1/Cs2g097	6.73	0	0	2	MASCOT	T	PLEX8	
2.63E-02	0|0	Cs2g09790.1/Cs2g097	6.73	0	0	2	MASCOT	T	PLEX8	
2.58E-02	0|0	Cs2g09790.1/Cs2g097	8.75	0	0	2	MASCOT	T	PLEX8	
3.61E-01	0|0	Cs2g09790.1/Cs2g097	8.75	0	0	2	MASCOT	T	PLEX8	
2.30E-02	0|0	Cs2g09790.1/Cs2g097	8.75	0	0	2	MASCOT	T	PLEX8	
4.57E-02	0|0	Cs2g09790.1/Cs2g097	5.75	0	15.9	0	2	MASCOT	T	PLEX8
1.47E-01	0|0	Cs2g09790.1/Cs2g097	5.75	0	15.9	0	2	MASCOT	T	PLEX8
1.50E-01	0|0	Cs2g09790.1/Cs2g097	5.75	0	15.9	0	2	MASCOT	T	PLEX8
4.30E-02	0|0	Cs2g09790.1/Cs2g097	5.75	0	15.9	0	2	MASCOT	T	PLEX8
6.48E-02	0|0	Cs2g09790.1/Cs2g097	5.75	0	15.9	0	2	MASCOT	T	PLEX8

6.11E-02	0|0	Cs2g09790.1/Cs2g097	5.75	0	0	2	MASCOT	T	PLEX8
8.31E-02	0|0	Cs2g09790.1/Cs2g097	5.75	0	0	2	MASCOT	T	PLEX8
2.52E-01	0|0	Cs2g09790.1/Cs2g097	5.75	0	0	2	MASCOT	T	PLEX8
1.05E-01	0|0	Cs2g09790.1/Cs2g097	5.75	0	0	2	MASCOT	T	PLEX8
1.47E-01	0|0	Cs2g09790.1/Cs2g097	5.75	0	0	2	MASCOT	T	PLEX8
2.03E-02	0|0	Cs2g09790.1/Cs2g097	4.21	0	0	2	MASCOT	T	
1.57E-01	0|0	Cs2g09790.1/Cs2g097	4.21	0	0	2	MASCOT	T	PLEX8
1.83E-03	0|0	Cs2g09790.1/Cs2g097	4.21	0	0	2	MASCOT	T	PLEX8
2.28E-02	0|0	Cs5g09900.1/Cs5g099	4.37	0	0	2	MASCOT	T	PLEX8
2.77E-03	0|0	Cs5g09900.1/Cs5g099	4.37	0	0	2	MASCOT	T	PLEX8
1.36E-02	0|0	Cs5g09900.1/Cs5g099	4.37	0	0	2	MASCOT	T	PLEX8
8.16E-02	0|0	Cs5g09900.1/Cs5g099	4.37	0	0	2	MASCOT	T	PLEX8
3.62E-01	0|0	Cs5g09900.1/Cs5g099	3.92	0	0	2	MASCOT	T	
2.94E-03	0|0	Cs5g09900.1/Cs5g099	3.92	0	0	2	MASCOT	T	
1.44E-02	0|0	Cs5g09900.1/Cs5g099	6	0	0	2	MASCOT	T	PLEX8
6.93E-03	0|0	Cs5g09900.1/Cs5g099	6	0	0	2	MASCOT	T	PLEX8
1.13E-02	0|0	Cs5g09900.1/Cs5g099	6	0	0	2	MASCOT	T	PLEX8
2.70E-02	0|0	Cs5g09900.1/Cs5g099	6	0	0	2	MASCOT	T	PLEX8
4.46E-02	0|0	Cs5g09900.1/Cs5g099	6	0	0	2	MASCOT	T	PLEX8
5.22E-03	0|0	Cs5g09900.1/Cs5g099	6	0	0	2	MASCOT	T	PLEX8
8.18E-02	0|0	Cs5g09900.1/Cs5g099	6	0	0	2	MASCOT	T	
2.53E-01	0|0	Cs5g09900.1/Cs5g099	5.84	0	0	2	MASCOT	T	PLEX8
1.72E-03	0|0	Cs5g09900.1/Cs5g099	5.32	0	0	2	MASCOT	T	PLEX8
1.16E-02	0|0	Cs5g09900.1/Cs5g099	5.32	0	0	2	MASCOT	T	PLEX8
6.47E-02	0|0	Cs5g09900.1/Cs5g099	5.32	0	0	2	MASCOT	T	PLEX8
3.04E-04	0|0	Cs5g09900.1/Cs5g099	5.32	0	0	2	MASCOT	T	PLEX8
2.61E-01	0|0	Cs5g09900.1/Cs5g099	8.75	0	0	2	MASCOT	T	PLEX8
5.11E-02	0|0	Cs5g09900.1/Cs5g099	8.75	0	0	2	MASCOT	T	PLEX8
1.63E-02	0|0	Cs5g09900.1/Cs5g099	8.75	0	0	2	MASCOT	T	PLEX8
2.12E-01	0|0	Cs5g09900.1/Cs5g099	8.75	0	0	2	MASCOT	T	PLEX8
1.64E-02	0|0	Cs5g09900.1/Cs5g099	8.75	0	0	2	MASCOT	T	PLEX8
5.24E-02	0|0	Cs5g09900.1/Cs5g099	8.75	0	0	2	MASCOT	T	PLEX8
2.12E-02	0|0	Cs5g09900.1/Cs5g099	8.75	0	0	2	MASCOT	T	PLEX8
4.60E-02	0|0	Cs5g09900.1/Cs5g099	8.75	0	0	2	MASCOT	T	PLEX8
1.35E-02	0|0	Cs5g09900.1/Cs5g099	8.75	0	0	2	MASCOT	T	PLEX8
6.18E-02	0|0	Cs5g09900.1/Cs5g099	8.75	0	0	2	MASCOT	T	PLEX8
3.82E-02	0|0	Cs5g09900.1/Cs5g099	8.75	0	0	2	MASCOT	T	PLEX8
6.41E-02	0|0	Cs5g09900.1/Cs5g099	8.75	0	0	2	MASCOT	T	PLEX8
1.95E-02	0|0	Cs5g09900.1/Cs5g099	4.37	0	0	2	MASCOT	T	
2.14E-04	0|0	Cs5g09900.1/Cs5g099	4.37	0	0	2	MASCOT	T	
7.36E-02	0|0	Cs5g09900.1/Cs5g099	4.37	0	0	2	MASCOT	T	
9.03E-02	0|0	Cs5g09900.1/Cs5g099	4.37	0	0	2	MASCOT	T	
1.94E-01	0|0	Cs5g09900.1/Cs5g099	5.55	0	0	2	MASCOT	T	
1.33E-02	0|0	Cs5g09900.1/Cs5g099	5.55	0	0	2	MASCOT	T	
9.73E-04	0|0	Cs5g09900.1/Cs5g099	5.55	0	0	2	MASCOT	T	
5.78E-02	0|0	Cs5g09900.1/Cs5g099	5.55	0	0	2	MASCOT	T	
1.20E-01	0|0	Cs5g09900.1/Cs5g099	5.55	0	0	2	MASCOT	T	
1.82E-05	0|0	Cs5g09900.1/Cs5g099	5.55	0	0	2	MASCOT	T	
6.46E-02	0|0	Cs5g09900.1/Cs5g099	5.55	0	0	2	MASCOT	T	
1.90E-03	0|0	Cs5g09900.1/Cs5g099	4.53	0	0	2	MASCOT	T	
1.56E-03	0|0	Cs5g09900.1/Cs5g099	4.53	0	0	2	MASCOT	T	

3.31E-04	0|0	Cs5g09900.1/Cs5g099	6	0	0	2	MASCOT	T	PLEX8	
5.03E-04	0|0	Cs5g09900.1/Cs5g099	6	0	0	2	MASCOT	T	PLEX8	
8.14E-02	0|0	Cs5g09900.1/Cs5g099	6	0	0	2	MASCOT	T	PLEX8	
1.07E-03	0|0	Cs5g09900.1/Cs5g099	6	0	0	2	MASCOT	T	PLEX8	
5.73E-04	0|0	Cs5g09900.1/Cs5g099	6	0	0	2	MASCOT	T	PLEX8	
5.79E-04	0|0	Cs5g09900.1/Cs5g099	6	0	0	2	MASCOT	T	PLEX8	
2.27E-03	0|0	Cs5g09900.1/Cs5g099	6	0	0	2	MASCOT	T	PLEX8	
2.12E-03	0|0	Cs5g09900.1/Cs5g099	6	0	0	2	MASCOT	T	PLEX8	
1.44E-03	0|0	Cs5g09900.1/Cs5g099	6	0	0	2	MASCOT	T	PLEX8	
1.98E-04	0|0	Cs5g09900.1/Cs5g099	6	0	0	2	MASCOT	T	PLEX8	
4.33E-02	0|0	Cs5g09900.1/Cs5g099	8.75	0	0	2	MASCOT	T	PLEX8	
4.81E-02	0|0	Cs5g09900.1/Cs5g099	8.75	0	0	2	MASCOT	T	PLEX8	
1.08E-01	0|0	Cs5g09900.1/Cs5g099	6	0	15.9	0	2	MASCOT	T	PLEX8
1.38E-04	0|0	Cs5g09900.1/Cs5g099	5.72	0	0	2	MASCOT	T	PLEX8	
5.12E-03	0|0	Cs5g09900.1/Cs5g099	5.72	0	0	2	MASCOT	T	PLEX8	
6.08E-03	0|0	Cs5g09900.1/Cs5g099	5.72	0	0	2	MASCOT	T		
4.68E-02	0|0	Cs5g09900.1/Cs5g099	5.72	0	0	2	MASCOT	T	PLEX8	
6.43E-05	0|0	Cs5g09900.1/Cs5g099	5.72	0	0	2	MASCOT	T	PLEX8	
1.45E-03	0|0	Cs5g09900.1/Cs5g099	5.72	0	0	2	MASCOT	T	PLEX8	
8.59E-03	0|0	Cs5g09900.1/Cs5g099	5.72	0	0	2	MASCOT	T		
2.11E-02	0|0	Cs5g09900.1/Cs5g099	4.37	0	0	2	MASCOT	T	PLEX8	
2.34E-02	0|0	Cs5g09900.1/Cs5g099	4.37	0	0	2	MASCOT	T	PLEX8	
5.33E-02	0|0	Cs5g09900.1/Cs5g099	4.37	0	0	2	MASCOT	T	PLEX8	
2.57E-01	0|0	Cs5g09900.1/Cs5g099	4.37	0	0	2	MASCOT	T	PLEX8	
4.25E-01	0|0	Cs5g09900.1/Cs5g099	4.37	0	0	2	MASCOT	T	PLEX8	
2.57E-01	0|0	Cs5g09900.1/Cs5g099	4.37	0	0	2	MASCOT	T	PLEX8	
3.52E-01	0|0	Cs5g09900.1/Cs5g099	4.37	0	0	2	MASCOT	T	PLEX8	
3.16E-01	0|0	Cs8g03280.1/Cs8g032	8.8	0	0	2	MASCOT	T		
5.04E-02	0|0	Cs8g03280.1/Cs8g032	8.8	0	0	2	MASCOT	T		
1.21E-01	0|0	Cs8g03280.1/Cs8g032	6.79	0	0	2	MASCOT	T	PLEX8	
1.28E-02	0|0	Cs8g03280.1/Cs8g032	6.79	0	0	2	MASCOT	T	PLEX8	
2.05E-02	0|0	Cs8g03280.1/Cs8g032	6.79	0	0	2	MASCOT	T	PLEX8	
9.45E-03	0|0	Cs8g03280.1/Cs8g032	6.79	0	0	2	MASCOT	T	PLEX8	
2.16E-03	0|0	Cs8g03280.1/Cs8g032	6.79	0	0	2	MASCOT	T	PLEX8	
2.60E-02	0|0	Cs8g03280.1/Cs8g032	6.79	0	0	2	MASCOT	T	PLEX8	
3.91E-02	0|0	Cs8g03280.1/Cs8g032	6.79	0	0	2	MASCOT	T	PLEX8	
3.46E-03	0|0	Cs8g03280.1/Cs8g032	4.37	0	0	2	MASCOT	T	PLEX8	
2.97E-02	0|0	Cs8g03280.1/Cs8g032	4.37	0	0	2	MASCOT	T	PLEX8	
5.62E-02	0|0	Cs8g03280.1/Cs8g032	4.37	0	0	2	MASCOT	T		
4.82E-01	0|0	Cs8g03280.1/Cs8g032	4.37	0	0	2	MASCOT	T		
3.21E-02	0|0	Cs8g03280.1/Cs8g032	4.37	0	0	2	MASCOT	T	PLEX8	
7.10E-02	0|0	Cs8g03280.1/Cs8g032	4.53	0	0	2	MASCOT	T	PLEX8	
1.47E-02	0|0	Cs8g03280.1/Cs8g032	4.53	0	0	2	MASCOT	T	PLEX8	
4.79E-04	0|0	Cs8g03280.1/Cs8g032	4.53	0	0	2	MASCOT	T	PLEX8	
2.21E-03	0|0	Cs8g03280.1/Cs8g032	4.53	0	0	2	MASCOT	T	PLEX8	
8.70E-03	0|0	Cs8g03280.1/Cs8g032	4.53	0	0	2	MASCOT	T	PLEX8	
9.38E-03	0|0	Cs8g03280.1/Cs8g032	6	0	0	2	MASCOT	T		
1.62E-02	0|0	Cs8g03280.1/Cs8g032	6	0	0	2	MASCOT	T		
8.50E-05	0|0	Cs8g03280.1/Cs8g032	6	0	0	2	MASCOT	T		
1.29E-03	0|0	Cs8g03280.1/Cs8g032	8.75	0	0	2	MASCOT	T		
9.99E-02	0|0	Cs8g03280.1/Cs8g032	8.75	0	0	2	MASCOT	T	PLEX8	

5.07E-06	0|0	Cs8g03280.1/Cs8g032	6.41	0	0	2	MASCOT	T	PLEX8
4.57E-06	0|0	Cs8g03280.1/Cs8g032	6.41	0	0	2	MASCOT	T	PLEX8
1.65E-04	0|0	Cs8g03280.1/Cs8g032	6.41	0	0	2	MASCOT	T	PLEX8
2.29E-03	0|0	Cs8g03280.1/Cs8g032	6.41	0	0	2	MASCOT	T	PLEX8
1.15E-06	0|0	Cs8g03280.1/Cs8g032	6.41	0	0	2	MASCOT	T	PLEX8
1.71E-04	0|0	Cs8g03280.1/Cs8g032	6.41	0	0	2	MASCOT	T	PLEX8
3.50E-03	0|0	Cs8g03280.1/Cs8g032	6.41	0	0	2	MASCOT	T	PLEX8
1.96E-04	0|0	Cs8g03280.1/Cs8g032	6.41	0	0	2	MASCOT	T	PLEX8
7.55E-02	0|0	Cs8g03280.1/Cs8g032	6.41	0	0	2	MASCOT	T	PLEX8
6.56E-03	0|0	Cs8g03280.1/Cs8g032	6.41	0	0	2	MASCOT	T	PLEX8
1.03E-06	0|0	Cs8g03280.1/Cs8g032	6.41	0	0	2	MASCOT	T	
1.08E-01	0|0	Cs8g03280.1/Cs8g032	8.63	0	0	2	MASCOT	T	PLEX8
1.96E-01	0|0	Cs8g03280.1/Cs8g032	8.63	0	0	2	MASCOT	T	PLEX8
8.29E-02	0|0	Cs8g03280.1/Cs8g032	8.63	0	0	2	MASCOT	T	PLEX8
9.74E-02	0|0	Cs8g03280.1/Cs8g032	8.63	0	0	2	MASCOT	T	PLEX8
3.31E-02	0|0	Cs8g03280.1/Cs8g032	8.63	0	0	2	MASCOT	T	PLEX8
9.07E-03	0|0	Cs8g03280.1/Cs8g032	8.63	0	0	2	MASCOT	T	PLEX8
3.03E-02	0|0	Cs8g03280.1/Cs8g032	8.63	0	0	2	MASCOT	T	PLEX8
1.83E-01	0|0	Cs8g03280.1/Cs8g032	8.63	0	0	2	MASCOT	T	PLEX8
9.21E-02	0|0	Cs8g03280.1/Cs8g032	8.63	0	0	2	MASCOT	T	PLEX8
2.52E-02	0|0	Cs8g03280.1/Cs8g032	8.63	0	0	2	MASCOT	T	PLEX8
1.38E-01	0|0	Cs8g03280.1/Cs8g032	8.63	0	0	2	MASCOT	T	PLEX8
2.70E-01	0|0	Cs8g03280.1/Cs8g032	5.99	0	0	2	MASCOT	T	PLEX8
1.45E-01	0|0	Cs8g03280.1/Cs8g032	5.99	0	0	2	MASCOT	T	PLEX8
4.10E-01	0|0	Cs8g03280.1/Cs8g032	5.99	0	0	2	MASCOT	T	PLEX8
2.47E-02	0|0	Cs8g03280.1/Cs8g032	5.99	0	0	2	MASCOT	T	PLEX8
2.57E-02	0|0	Cs8g03280.1/Cs8g032	5.99	0	0	2	MASCOT	T	PLEX8
4.74E-02	0|0	Cs8g03280.1/Cs8g032	8.75	0	0	2	MASCOT	T	PLEX8
5.13E-02	0|0	Cs8g03280.1/Cs8g032	8.75	0	0	2	MASCOT	T	PLEX8
6.89E-02	0|0	Cs8g03280.1/Cs8g032	8.75	0	0	2	MASCOT	T	PLEX8
3.82E-02	0|0	Cs8g03280.1/Cs8g032	5.72	0	0	2	MASCOT	T	PLEX8
2.43E-02	0|0	Cs8g03280.1/Cs8g032	5.72	0	0	2	MASCOT	T	PLEX8
3.21E-01	0|0	Cs8g03280.1/Cs8g032	5.72	0	0	2	MASCOT	T	PLEX8
1.25E-01	0|0	Cs8g03280.1/Cs8g032	4.37	0	0	2	MASCOT	T	PLEX8
1.52E-02	0|0	Cs8g03280.1/Cs8g032	4.78	0	0	2	MASCOT	T	PLEX8
2.33E-02	0|0	Cs8g03280.1/Cs8g032	4.78	0	0	2	MASCOT	T	PLEX8
7.83E-04	0|0	Cs8g03280.1/Cs8g032	4.78	0	0	2	MASCOT	T	PLEX8
5.46E-02	0|0	Cs8g03280.1/Cs8g032	4.78	0	0	2	MASCOT	T	PLEX8
2.18E-03	0|0	Cs8g03280.1/Cs8g032	4.78	0	0	2	MASCOT	T	PLEX8
7.78E-04	0|0	Cs8g03280.1/Cs8g032	4.78	0	0	2	MASCOT	T	
3.15E-02	0|0	Cs3g18780.1 ! Cs8g03	9.73	0	0	2	MASCOT	T	PLEX8
5.71E-02	0|0	Cs3g04170.1/Cs3g043	5.84	0	0	2	MASCOT	T	PLEX8
5.67E-03	0|0	Cs3g04170.1/Cs3g043	5.84	0	0	2	MASCOT	T	PLEX8
1.89E-01	0|0	Cs3g04170.1/Cs3g043	5.84	0	0	2	MASCOT	T	PLEX8
3.35E-02	0|0	Cs3g04170.1/Cs3g043	5.84	0	0	2	MASCOT	T	PLEX8
3.41E-04	0|0	Cs3g04170.1/Cs3g043	5.84	0	0	2	MASCOT	T	PLEX8
3.78E-02	0|0	Cs3g04190.1/Cs3g043	4.53	0	0	2	MASCOT	T	PLEX8
1.15E-02	0|0	Cs3g04190.1/Cs3g043	4.53	0	0	2	MASCOT	T	PLEX8
9.06E-03	0|0	Cs3g04190.1/Cs3g043	4.53	0	0	2	MASCOT	T	PLEX8
2.72E-04	0|0	Cs3g04190.1/Cs3g043	4.53	0	0	2	MASCOT	T	PLEX8
8.38E-03	0|0	Cs3g04190.1/Cs3g043	4.53	0	0	2	MASCOT	T	

6.24E-04	0|0	Cs3g04190.1/Cs3g043	4.53	0	0	2	MASCOT	T	PLEX8	
1.18E-01	0|0	Cs3g04170.1/Cs3g043	8.6	0	15.9	0	2	MASCOT	T	PLEX8
2.10E-01	0|0	Cs3g04170.1/Cs3g043	8.6	0	15.9	0	2	MASCOT	T	PLEX8
3.96E-01	0|0	Cs3g04170.1/Cs3g043	8.6	0	15.9	0	2	MASCOT	T	PLEX8
4.20E-01	0|0	Cs3g04170.1/Cs3g043	8.6	0	0	0	2	MASCOT	T	PLEX8
3.34E-01	0|0	Cs3g04170.1/Cs3g043	8.6	0	0	0	2	MASCOT	T	PLEX8
7.49E-02	0|0	Cs3g04170.1/Cs3g043	8.6	0	0	0	2	MASCOT	T	PLEX8
4.30E-03	0|0	Cs3g04170.1/Cs3g041	4.25	0	0	0	2	MASCOT	T	PLEX8
5.94E-04	0|0	Cs3g04170.1/Cs3g041	6.75	0	0	0	2	MASCOT	T	PLEX8
1.85E-03	0|0	Cs3g04170.1/Cs3g041	6.75	0	0	0	2	MASCOT	T	PLEX8
7.76E-02	0|0	Cs3g04170.1/Cs3g041	6.75	0	0	0	2	MASCOT	T	PLEX8
3.39E-03	0|0	Cs3g04170.1/Cs3g041	6.75	0	0	0	2	MASCOT	T	PLEX8
9.98E-03	0|0	Cs3g04170.1/Cs3g041	6.75	0	0	0	2	MASCOT	T	PLEX8
4.59E-04	0|0	Cs3g04170.1/Cs3g041	6.75	0	0	0	2	MASCOT	T	PLEX8
5.32E-02	0|0	Cs3g04170.1/Cs3g041	6.75	0	0	0	2	MASCOT	T	PLEX8
4.94E-04	0|0	Cs3g04170.1/Cs3g041	6.75	0	0	0	2	MASCOT	T	PLEX8
2.55E-03	0|0	Cs3g04170.1/Cs3g041	6.75	0	0	0	2	MASCOT	T	PLEX8
4.85E-04	0|0	Cs3g04170.1/Cs3g041	6.75	0	0	0	2	MASCOT	T	PLEX8
7.29E-03	0|0	Cs3g04170.1/Cs3g043	4.21	0	0	0	2	MASCOT	T	PLEX8
1.04E-02	0|0	Cs3g04170.1/Cs3g043	4.21	0	0	0	2	MASCOT	T	PLEX8
8.32E-04	0|0	Cs3g04170.1/Cs3g041	4.75	0	0	0	2	MASCOT	T	PLEX8
3.37E-03	0|0	Cs3g04170.1/Cs3g041	4.75	0	0	0	2	MASCOT	T	PLEX8
4.36E-02	0|0	Cs3g04170.1/Cs3g043	4.21	0	0	0	2	MASCOT	T	PLEX8
3.26E-02	0|0	Cs3g04170.1/Cs3g043	6.79	0	0	0	2	MASCOT	T	PLEX8
1.82E-01	0|0	Cs3g04170.1/Cs3g043	6.79	0	0	0	2	MASCOT	T	PLEX8
1.22E-02	0|0	Cs3g04190.1/Cs3g043	6.14	1	0	0	2	MASCOT	T	PLEX8
1.19E-04	0|0	Cs3g04360.1	5.4	0	0	0	2	MASCOT	T	PLEX8
7.33E-04	0|0	Cs3g04360.1	5.4	0	0	0	2	MASCOT	T	PLEX8
2.57E-01	0|0	Cs3g04360.1	5.4	0	0	0	2	MASCOT	T	PLEX8
3.57E-01	0|0	Cs3g04360.1	5.4	0	0	0	2	MASCOT	T	PLEX8
8.43E-03	0|0	Cs3g04360.1	8.76	0	0	0	2	MASCOT	T	PLEX8
3.98E-02	0|0	Cs3g04360.1	8.76	0	0	0	2	MASCOT	T	PLEX8
2.45E-02	0|0	Cs3g04360.1	8.76	0	0	0	2	MASCOT	T	PLEX8
6.67E-03	0|0	Cs3g04170.1/Cs3g043	6.75	0	0	0	2	MASCOT	T	PLEX8
5.46E-04	0|0	Cs3g04170.1/Cs3g043	6.75	0	0	0	2	MASCOT	T	PLEX8
1.24E-02	0|0	Cs3g04170.1/Cs3g043	6.75	0	0	0	2	MASCOT	T	PLEX8
2.28E-01	0|0	Cs3g04170.1/Cs3g043	6.75	0	0	0	2	MASCOT	T	PLEX8
1.37E-01	0|0	Cs3g04170.1/Cs3g043	6.75	0	0	0	2	MASCOT	T	PLEX8
2.55E-04	0|0	Cs3g04170.1/Cs3g043	6.75	0	0	0	2	MASCOT	T	PLEX8
3.36E-02	0|0	Cs3g04170.1/Cs3g043	5.84	0	0	0	2	MASCOT	T	PLEX8
5.27E-02	0|0	Cs3g04170.1/Cs3g043	5.84	0	0	0	2	MASCOT	T	PLEX8
4.76E-01	0|0	Cs3g04170.1/Cs3g043	5.84	0	0	0	2	MASCOT	T	PLEX8
4.67E-02	0|0	Cs3g04170.1/Cs3g043	5.84	0	0	0	2	MASCOT	T	PLEX8
5.21E-03	0|0	Cs3g04170.1/Cs3g043	5.84	0	0	0	2	MASCOT	T	PLEX8
1.94E-01	0|0	Cs3g04170.1/Cs3g043	5.84	0	0	0	2	MASCOT	T	PLEX8
2.28E-01	0|0	Cs2g16200.1/Cs2g162	9.8	0	0	0	2	MASCOT	T	PLEX8
7.47E-02	0|0	Cs2g16200.1/Cs2g162	9.8	0	0	0	2	MASCOT	T	PLEX8
3.42E-02	0|0	Cs2g16200.1/Cs2g162	4.21	0	0	0	2	MASCOT	T	PLEX8
8.89E-03	0|0	Cs2g16200.1/Cs2g162	4.21	0	0	0	2	MASCOT	T	PLEX8
3.97E-02	0|0	Cs2g16200.1/Cs2g162	4.03	0	0	0	2	MASCOT	T	PLEX8
3.86E-04	0|0	Cs2g16200.1/Cs2g162	4.25	0	0	0	2	MASCOT	T	PLEX8

2.08E-03	0|0	Cs2g16200.1/Cs2g162	4.25	0	0	2	MASCOT	T	PLEX8	
2.38E-01	0|0	Cs2g16200.1/Cs2g162	4.25	0	0	2	MASCOT	T	PLEX8	
6.18E-03	0|0	Cs2g16200.1/Cs2g162	4.25	0	0	2	MASCOT	T	PLEX8	
6.53E-03	0|0	Cs2g16220.1/Cs2g162	6	0	0	2	MASCOT	T	PLEX8	
4.49E-02	0|0	Cs2g16220.1/Cs2g162	6	0	0	2	MASCOT	T	PLEX8	
9.51E-02	0|0	Cs2g16220.1/Cs2g162	6	0	0	2	MASCOT	T	PLEX8	
4.37E-02	0|0	Cs2g16220.1/Cs2g162	6	0	0	2	MASCOT	T	PLEX8	
1.17E-01	0|0	Cs2g16200.1/Cs2g162	8.75	0	0	2	MASCOT	T	PLEX8	
1.14E-01	0|0	Cs2g16200.1/Cs2g162	8.75	0	0	2	MASCOT	T	PLEX8	
1.75E-01	0|0	Cs2g16200.1/Cs2g162	8.75	0	0	2	MASCOT	T	PLEX8	
1.57E-04	0|0	Cs2g16220.1/Cs2g162	4.14	0	0	2	MASCOT	T	PLEX8	
2.09E-01	0|0	Cs2g16220.1/Cs2g162	4.14	0	0	2	MASCOT	T		
6.39E-06	0|0	Cs2g16220.1/Cs2g162	4.14	0	0	2	MASCOT	T		
3.30E-02	0|0	Cs2g16220.1/Cs8g071	8.59	0	0	2	MASCOT	T	PLEX8	
9.56E-04	0|0	Cs2g16220.1/Cs8g071	8.59	0	0	2	MASCOT	T	PLEX8	
2.20E-03	0|0	Cs2g16220.1/Cs8g071	8.59	0	0	2	MASCOT	T	PLEX8	
4.45E-01	0|0	Cs2g16200.1/Cs2g162	6.75	0	0	2	MASCOT	T	PLEX8	
1.74E-01	0|0	Cs2g16200.1/Cs2g162	6.75	0	0	2	MASCOT	T	PLEX8	
4.98E-04	0|0	Cs2g16200.1/Cs2g162	6.75	0	0	2	MASCOT	T	PLEX8	
8.04E-04	0|0	Cs2g16200.1/Cs2g162	6.75	0	0	2	MASCOT	T	PLEX8	
4.27E-02	0|0	Cs2g16200.1/Cs2g162	6.46	0	0	2	MASCOT	T	PLEX8	
4.53E-02	0|0	Cs2g16200.1/Cs2g162	6.46	0	0	2	MASCOT	T	PLEX8	
1.74E-01	0|0	Cs2g16200.1/Cs2g162	6.46	0	0	2	MASCOT	T	PLEX8	
7.07E-02	0|0	Cs2g16200.1/Cs2g162	6.46	0	0	2	MASCOT	T	PLEX8	
3.45E-01	0|0	Cs2g16200.1/Cs2g162	6.46	0	0	2	MASCOT	T	PLEX8	
1.19E-02	0|0	Cs2g16200.1/Cs2g162	6.46	0	0	2	MASCOT	T	PLEX8	
2.25E-03	0|0	Cs2g16200.1/Cs2g162	6.46	0	0	2	MASCOT	T	PLEX8	
1.83E-01	0|0	Cs2g16200.1/Cs2g162	5.55	0	0	2	MASCOT	T	PLEX8	
2.10E-01	0|0	Cs2g16200.1/Cs2g162	5.81	0	0	2	MASCOT	T	PLEX8	
3.57E-02	0|0	Cs2g16200.1/Cs2g162	5.81	0	0	2	MASCOT	T	PLEX8	
5.21E-02	0|0	Cs2g16200.1/Cs2g162	5.81	0	0	2	MASCOT	T	PLEX8	
2.48E-04	0|0	Cs2g16200.1/Cs2g162	5.81	0	0	2	MASCOT	T	PLEX8	
3.31E-01	0|0	Cs2g16200.1/Cs2g162	5.81	0	0	2	MASCOT	T	PLEX8	
4.89E-01	0|0	Cs2g16220.1	6.1	0	0	2	MASCOT	T	PLEX8	
1.13E-01	0|0	Cs2g16220.1	6.1	0	0	2	MASCOT	T	PLEX8	
2.43E-01	0|0	Cs2g16220.1	6.1	0	0	2	MASCOT	T	PLEX8	
2.44E-03	0|0	Cs2g16220.1/Cs2g162	6.72	0	0	2	MASCOT	T	PLEX8	
4.55E-03	0|0	Cs2g16220.1/Cs2g162	6.72	0	0	2	MASCOT	T	PLEX8	
3.18E-01	0|0	Cs2g16220.1/Cs2g162	6.72	0	0	2	MASCOT	T	PLEX8	
2.93E-01	0|0	Cs3g17200.1	8.8	0	15.9	0	2	MASCOT	T	PLEX8
1.90E-01	0|0	Cs3g17200.1	8.8	0	0	2	MASCOT	T	PLEX8	
1.61E-02	0|0	Cs3g17200.1	8.8	0	0	2	MASCOT	T	PLEX8	
2.56E-02	0|0	Cs3g17200.1	8.27	0	0	2	MASCOT	T	PLEX8	
4.06E-02	0|0	Cs3g17200.1	8.27	0	0	2	MASCOT	T	PLEX8	
2.72E-01	0|0	Cs3g17200.1	8.27	0	0	2	MASCOT	T	PLEX8	
3.89E-02	0|0	Cs3g17200.1	8.27	0	0	2	MASCOT	T	PLEX8	
2.83E-02	0|0	Cs3g17200.1	8.27	0	0	2	MASCOT	T	PLEX8	
4.26E-02	0|0	Cs3g17200.1	4.37	0	0	2	MASCOT	T	PLEX8	
2.52E-02	0|0	Cs3g17200.1	4.37	0	0	2	MASCOT	T	PLEX8	
6.31E-02	0|0	Cs3g17200.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.68E-02	0|0	Cs3g17200.1	6.74	0	15.9	0	2	MASCOT	T	

7.12E-02 0|0	Cs3g17200.1	6.74	0 15.9	0	2 MASCOT	T	
2.25E-01 0|0	Cs3g17200.1	6.74	0	0	2 MASCOT	T	PLEX8
3.84E-03 0|0	Cs3g17200.1	6.74	0	0	2 MASCOT	T	
1.20E-02 0|0	Cs3g17200.1	6.74	0	0	2 MASCOT	T	
5.13E-02 0|0	Cs3g17200.1	8.6	1	0	2 MASCOT	T	PLEX8
3.88E-01 0|0	Cs3g17200.1	6.75	0	0	2 MASCOT	T	PLEX8
2.28E-03 0|0	Cs3g17200.1	6.75	0	0	2 MASCOT	T	PLEX8
1.59E-02 0|0	Cs3g17200.1	6.75	0	0	2 MASCOT	T	PLEX8
1.34E-01 0|0	Cs3g17200.1	6.75	0	0	2 MASCOT	T	PLEX8
2.86E-03 0|0	Cs3g17200.1	6.75	0	0	2 MASCOT	T	PLEX8
2.79E-01 0|0	Cs3g17200.1	6.75	0	0	2 MASCOT	T	
1.88E-02 0|0	Cs3g17200.1	4.37	0	0	2 MASCOT	T	
2.37E-03 0|0	Cs3g17200.1	4.21	0	0	2 MASCOT	T	PLEX8
1.18E-02 0|0	Cs3g17200.1	4.21	0	0	2 MASCOT	T	PLEX8
3.05E-03 0|0	Cs3g17200.1	4.21	0	0	2 MASCOT	T	PLEX8
2.42E-02 0|0	Cs3g17200.1	4.21	0	0	2 MASCOT	T	PLEX8
2.37E-01 0|0	Cs3g17200.1	4.21	0	0	2 MASCOT	T	
5.08E-02 0|0	Cs3g17200.1	4	0	0	2 MASCOT	T	PLEX8
7.02E-02 0|0	Cs3g17200.1	4	0	0	2 MASCOT	T	PLEX8
7.17E-03 0|0	Cs3g17200.1	4	0	0	2 MASCOT	T	PLEX8
9.67E-03 0|0	Cs3g17200.1	8.75	0	0	2 MASCOT	T	PLEX8
1.33E-02 0|0	Cs3g17200.1	8.75	0	0	2 MASCOT	T	PLEX8
1.92E-02 0|0	Cs3g17200.1	8.75	0	0	2 MASCOT	T	PLEX8
2.01E-02 0|0	Cs3g17200.1	8.75	0	0	2 MASCOT	T	PLEX8
9.09E-03 0|0	Cs3g17200.1	8.75	0	0	2 MASCOT	T	PLEX8
1.88E-02 0|0	Cs3g17200.1	8.75	0	0	2 MASCOT	T	PLEX8
2.19E-01 0|0	Cs3g17200.1	4.21	0	0	2 MASCOT	T	PLEX8
1.47E-02 0|0	Cs3g17200.1	4.21	0	0	2 MASCOT	T	
2.73E-03 0|0	Cs3g17200.1	4.21	0	0	2 MASCOT	T	
4.05E-02 0|0	Cs3g17200.1	4.21	0	0	2 MASCOT	T	PLEX8
3.82E-01 0|0	Cs3g17200.1	6.41	0	0	2 MASCOT	T	PLEX8
8.41E-02 0|0	Cs8g15480.1	3.77	0	0	2 MASCOT	T	PLEX8
1.68E-04 0|0	Cs8g15480.1	3.77	0	0	2 MASCOT	T	PLEX8
2.13E-03 0|0	Cs8g15480.1	3.77	0	0	2 MASCOT	T	
4.91E-04 0|0	Cs8g15480.1	3.77	0	0	2 MASCOT	T	
1.29E-02 0|0	Cs8g15480.1	8.18	0 15.9	0	2 MASCOT	T	PLEX8
4.90E-02 0|0	Cs8g15480.1	8.18	0	0	2 MASCOT	T	PLEX8
1.76E-01 0|0	Cs8g15480.1	8.18	0	0	2 MASCOT	T	PLEX8
7.73E-02 0|0	Cs8g15480.1	5.84	0	0	2 MASCOT	T	
2.76E-03 0|0	Cs8g15480.1	5.84	0	0	2 MASCOT	T	
8.35E-02 0|0	Cs8g15480.1	5.32	0	0	2 MASCOT	T	PLEX8
1.12E-01 0|0	Cs8g15480.1	5.32	0	0	2 MASCOT	T	PLEX8
8.32E-02 0|0	Cs8g15480.1	4.14	0	0	2 MASCOT	T	PLEX8
1.35E-03 0|0	Cs8g15480.1	4.14	0	0	2 MASCOT	T	PLEX8
6.55E-02 0|0	Cs8g15480.1	5.84	0	0	2 MASCOT	T	PLEX8
2.10E-02 0|0	Cs8g15480.1	5.84	0	0	2 MASCOT	T	PLEX8
1.21E-01 0|0	Cs8g15480.1	4.03	0 15.9	0	2 MASCOT	T	PLEX8
2.01E-02 0|0	Cs8g15480.1	4.03	0	0	2 MASCOT	T	
2.22E-01 0|0	Cs8g15480.1	4.21	0	0	2 MASCOT	T	PLEX8
1.73E-01 0|0	Cs8g15480.1	4.21	0	0	2 MASCOT	T	PLEX8
7.58E-02 0|0	Cs8g15480.1	4.21	0	0	2 MASCOT	T	PLEX8

5.29E-02	0|0	Cs8g15480.1	10	0	0	2	MASCOT	T	PLEX8
2.06E-01	0|0	Cs8g15480.1	10	0	0	2	MASCOT	T	
3.91E-01	0|0	Cs8g15480.1	4.21	0	0	2	MASCOT	T	PLEX8
6.94E-03	0|0	Cs8g15480.1	4.21	0	0	2	MASCOT	T	PLEX8
6.57E-04	0|0	Cs8g15480.1	4.21	0	0	2	MASCOT	T	PLEX8
3.94E-03	0|0	Cs8g15480.1	6.1	0	0	2	MASCOT	T	PLEX8
5.09E-02	0|0	Cs8g15480.1	6.1	0	0	2	MASCOT	T	PLEX8
4.49E-06	0|0	Cs8g15480.1	6.1	0	0	2	MASCOT	T	PLEX8
2.49E-02	0|0	Cs8g15480.1	6.1	0	0	2	MASCOT	T	PLEX8
7.35E-03	0|0	Cs8g15480.1	6.1	0	0	2	MASCOT	T	PLEX8
3.50E-02	0|0	Cs8g15480.1	6.1	0	0	2	MASCOT	T	PLEX8
2.22E-01	0|0	Cs8g15480.1	6.1	0	0	2	MASCOT	T	PLEX8
7.05E-05	0|0	Cs8g15480.1	6.1	0	0	2	MASCOT	T	PLEX8
1.48E-01	0|0	Cs8g15480.1	6.1	0	0	2	MASCOT	T	
8.07E-02	0|0	Cs8g15480.1	6.75	0	0	2	MASCOT	T	PLEX8
6.53E-02	0|0	Cs8g15480.1	6.75	0	0	2	MASCOT	T	PLEX8
5.38E-01	0|0	Cs8g15480.1	6.75	0	0	2	MASCOT	T	PLEX8
1.32E-02	0|0	Cs8g15480.1	4.53	0	0	2	MASCOT	T	
9.65E-03	0|0	Cs8g15480.1	4.53	0	0	2	MASCOT	T	
4.43E-04	0|0	Cs8g15480.1	4.53	0	0	2	MASCOT	T	
1.09E-03	0|0	Cs8g15480.1	4.53	0	0	2	MASCOT	T	
2.10E-01	0|0	Cs8g15480.1	7.96	0	0	2	MASCOT	T	PLEX8
2.35E-06	0|0	Cs7g19400.1/Cs7g194	4.14	0	0	2	MASCOT	T	PLEX8
6.24E-08	0|0	Cs7g19400.1/Cs7g194	4.14	0	0	2	MASCOT	T	PLEX8
1.97E-03	0|0	Cs7g19400.1/Cs7g194	4.03	0	0	2	MASCOT	T	
1.73E-02	0|0	Cs7g19400.1/Cs7g194	4.03	0	0	2	MASCOT	T	
9.85E-03	0|0	Cs7g19400.1/Cs7g194	4.53	0	0	2	MASCOT	T	PLEX8
1.78E-03	0|0	Cs7g19400.1/Cs7g194	4.53	0	0	2	MASCOT	T	PLEX8
1.94E-02	0|0	Cs7g19400.1/Cs7g194	3.92	0	15.9	0	2	MASCOT	T
1.17E-02	0|0	Cs7g19400.1/Cs7g194	3.92	0	0	2	MASCOT	T	
5.11E-04	0|0	Cs7g19400.1/Cs7g194	3.92	0	0	2	MASCOT	T	
1.16E-01	0|0	Cs7g19400.1/Cs7g194	4.14	0	0	2	MASCOT	T	PLEX8
1.06E-01	0|0	Cs7g19400.1/Cs7g194	4.14	0	0	2	MASCOT	T	PLEX8
1.22E-02	0|0	Cs7g19400.1/Cs7g194	4.14	0	0	2	MASCOT	T	PLEX8
9.51E-02	0|0	Cs7g19400.1/Cs7g194	4.14	0	0	2	MASCOT	T	PLEX8
7.94E-04	0|0	Cs7g19400.1	4.25	0	0	2	MASCOT	T	PLEX8
2.35E-01	0|0	Cs7g19400.1	4.25	0	0	2	MASCOT	T	PLEX8
2.53E-02	0|0	Cs7g19400.1	4.25	0	0	2	MASCOT	T	PLEX8
4.75E-02	0|0	Cs7g19400.1	4.37	0	0	2	MASCOT	T	PLEX8
7.81E-02	0|0	Cs7g19400.1	4.37	0	0	2	MASCOT	T	PLEX8
1.45E-01	0|0	Cs7g19400.1	4.37	0	0	2	MASCOT	T	PLEX8
7.13E-03	0|0	Cs7g19400.1/Cs7g194	6.75	0	0	2	MASCOT	T	PLEX8
3.38E-01	0|0	Cs7g19400.1/Cs7g194	6.75	0	0	2	MASCOT	T	PLEX8
9.95E-02	0|0	Cs7g19400.1/Cs7g194	6.75	0	0	2	MASCOT	T	
2.57E-01	0|0	Cs7g19400.1/Cs7g194	6.75	0	0	2	MASCOT	T	
2.16E-04	0|0	Cs7g19400.1/Cs7g194	6.75	0	0	2	MASCOT	T	PLEX8
5.87E-02	0|0	Cs7g19400.1/Cs7g194	6.75	0	0	2	MASCOT	T	PLEX8
3.25E-01	0|0	Cs7g19400.1/Cs7g194	6.75	0	0	2	MASCOT	T	
3.89E-03	0|0	Cs7g19400.1/Cs7g194	6.75	0	0	2	MASCOT	T	
1.24E-03	0|0	Cs7g19400.1/Cs7g194	5.84	0	0	2	MASCOT	T	PLEX8
2.30E-01	0|0	Cs7g19400.1/Cs7g194	5.84	0	0	2	MASCOT	T	PLEX8

1.05E-01	0|0	Cs7g19400.1/Cs7g194	4.4	0	0	2	MASCOT	T	PLEX8
1.89E-01	0|0	Cs7g19400.1/Cs7g194	5.95	0	0	2	MASCOT	T	PLEX8
2.65E-01	0|0	Cs7g19400.1/Cs7g194	5.95	0	0	2	MASCOT	T	PLEX8
2.87E-02	0|0	Cs7g19400.1/Cs7g194	8.73	0	0	2	MASCOT	T	PLEX8
5.84E-02	0|0	Cs7g19400.1/Cs7g194	8.73	0	0	2	MASCOT	T	PLEX8
2.54E-01	0|0	Cs7g19400.1/Cs7g194	4.14	0	0	2	MASCOT	T	PLEX8
2.36E-01	0|0	Cs7g19400.1/Cs7g194	4.14	0	0	2	MASCOT	T	PLEX8
3.61E-04	0|0	Cs7g19400.1/Cs7g194	5.99	0	0	2	MASCOT	T	PLEX8
2.17E-05	0|0	Cs7g19400.1/Cs7g194	5.99	0	0	2	MASCOT	T	PLEX8
3.30E-03	0|0	Cs7g19400.1/Cs7g194	5.99	0	0	2	MASCOT	T	PLEX8
3.67E-04	0|0	Cs7g19400.1/Cs7g194	5.99	0	0	2	MASCOT	T	PLEX8
2.38E-02	0|0	Cs4g13070.1/Cs4g130	4.53	0	0	2	MASCOT	T	PLEX8
1.31E-02	0|0	Cs4g13070.1/Cs4g130	4.53	0	0	2	MASCOT	T	PLEX8
9.90E-02	0|0	Cs4g13070.1/Cs4g130	4.53	0	0	2	MASCOT	T	PLEX8
2.29E-02	0|0	Cs4g13070.1/Cs4g130	6.74	0	0	2	MASCOT	T	PLEX8
3.46E-01	0|0	Cs4g13070.1/Cs4g130	6.74	0	0	2	MASCOT	T	PLEX8
3.88E-02	0|0	Cs4g13070.1/Cs4g130	4.03	0	0	2	MASCOT	T	
2.98E-03	0|0	Cs4g13070.1/Cs4g130	4.03	0	0	2	MASCOT	T	
1.88E-01	0|0	Cs1g15970.1/Cs4g130	4.21	0	0	2	MASCOT	T	
1.67E-02	0|0	Cs1g15970.1/Cs4g130	4.21	0	0	2	MASCOT	T	
3.12E-01	0|0	Cs4g13070.1/Cs4g130	8.75	0	0	2	MASCOT	T	PLEX8
2.79E-01	0|0	Cs4g13070.1/Cs4g130	6.92	0	0	2	MASCOT	T	PLEX8
1.05E-02	0|0	Cs4g13070.1/Cs4g130	6.92	0	0	2	MASCOT	T	PLEX8
5.21E-02	0|0	Cs4g13070.1/Cs4g130	6.92	0	0	2	MASCOT	T	PLEX8
6.12E-05	0|0	Cs4g13070.1/Cs4g130	6.92	0	0	2	MASCOT	T	
7.84E-02	0|0	Cs4g13070.2	5.21	0	0	2	MASCOT	T	PLEX8
1.11E-01	0|0	Cs4g13070.2	5.21	0	0	2	MASCOT	T	
4.23E-01	0|0	Cs4g13070.2	5.21	0	0	2	MASCOT	T	PLEX8
2.38E-04	0|0	Cs1g15970.1/Cs4g189	4.14	0	0	2	MASCOT	T	
5.99E-04	0|0	Cs1g15970.1/Cs4g189	4.14	0	0	2	MASCOT	T	
3.11E-06	0|0	Cs1g15970.1/Cs4g189	4.14	0	0	2	MASCOT	T	
2.93E-08	0|0	Cs1g15970.1/Cs4g189	4.14	0	0	2	MASCOT	T	
5.36E-03	0|0	Cs4g13070.1/Cs4g130	8.72	0	0	2	MASCOT	T	PLEX8
6.18E-03	0|0	Cs4g13070.1/Cs4g130	8.72	0	0	2	MASCOT	T	PLEX8
4.00E-03	0|0	Cs4g13070.1/Cs4g130	8.72	0	0	2	MASCOT	T	PLEX8
1.68E-03	0|0	Cs4g13070.1/Cs4g130	8.72	0	0	2	MASCOT	T	PLEX8
2.36E-03	0|0	Cs4g13070.1/Cs4g130	8.72	0	0	2	MASCOT	T	PLEX8
4.08E-02	0|0	Cs1g15970.1/Cs1g202	5.84	0	0	2	MASCOT	T	
5.83E-03	0|0	Cs4g13070.1/Cs4g130	4.75	0	0	2	MASCOT	T	PLEX8
1.95E-06	0|0	Cs4g13070.1/Cs4g130	4.75	0	0	2	MASCOT	T	PLEX8
1.32E-04	0|0	Cs4g13070.1/Cs4g130	4.75	0	0	2	MASCOT	T	PLEX8
4.22E-03	0|0	Cs4g13070.1/Cs4g130	5.84	0	0	2	MASCOT	T	PLEX8
3.43E-05	0|0	Cs4g13070.1/Cs4g130	5.84	0	0	2	MASCOT	T	PLEX8
4.35E-01	0|0	Cs4g13070.1/Cs4g130	5.84	0	0	2	MASCOT	T	PLEX8
1.56E-01	0|0	Cs4g13070.1/Cs4g130	9.76	0	0	2	MASCOT	T	PLEX8
1.81E-01	0|0	Cs4g13070.1/Cs4g130	9.76	0	0	2	MASCOT	T	PLEX8
1.17E-03	0|0	Cs4g13070.1/Cs4g130	5.55	0	0	2	MASCOT	T	PLEX8
6.22E-04	0|0	Cs4g13070.1/Cs4g130	5.55	0	0	2	MASCOT	T	PLEX8
3.72E-02	0|0	Cs4g13070.1/Cs4g130	5.55	0	0	2	MASCOT	T	PLEX8
2.31E-03	0|0	Cs4g10090.1/Cs4g100	4.7	0	0	2	MASCOT	T	
2.55E-02	0|0	Cs4g10090.1/Cs4g100	4.7	0	0	2	MASCOT	T	

5.01E-02	0|0	Cs4g10090.1/Cs4g100	6.1	0	0	2	MASCOT	T	PLEX8	
2.81E-02	0|0	Cs4g10090.1/Cs4g100	4.21	0	0	2	MASCOT	T	PLEX8	
1.65E-01	0|0	Cs4g10090.1/Cs4g100	4.21	0	15.9	0	2	MASCOT	T	PLEX8
2.56E-02	0|0	Cs4g10090.1/Cs4g100	4.21	0	0	2	MASCOT	T	PLEX8	
1.72E-02	0|0	Cs4g10090.1/Cs4g100	8.59	0	0	2	MASCOT	T		
6.62E-02	0|0	Cs4g10090.1/Cs4g100	8.59	0	0	2	MASCOT	T		
2.00E-02	0|0	Cs4g10090.1/Cs4g100	8.25	1	0	2	MASCOT	T	PLEX8	
4.04E-03	0|0	Cs4g10090.1/Cs4g100	5.55	0	0	2	MASCOT	T	PLEX8	
9.27E-04	0|0	Cs4g10090.1/Cs4g100	5.55	0	0	2	MASCOT	T	PLEX8	
2.06E-01	0|0	Cs4g10090.1/Cs4g100	5.55	0	0	2	MASCOT	T	PLEX8	
2.48E-03	0|0	Cs4g10090.1/Cs4g100	5.55	0	0	2	MASCOT	T	PLEX8	
1.20E-01	0|0	Cs4g10090.1/Cs4g100	5.72	0	0	2	MASCOT	T	PLEX8	
1.01E-02	0|0	Cs4g10090.1/Cs4g100	9.44	0	0	2	MASCOT	T	PLEX8	
4.68E-03	0|0	Cs4g10090.1/Cs4g100	9.44	0	0	2	MASCOT	T	PLEX8	
1.15E-03	0|0	Cs4g10090.1/Cs4g100	9.44	0	0	2	MASCOT	T	PLEX8	
4.82E-03	0|0	Cs4g10090.1/Cs4g100	9.44	0	0	2	MASCOT	T	PLEX8	
3.84E-04	0|0	Cs4g10090.1/Cs4g100	9.44	0	0	2	MASCOT	T	PLEX8	
4.73E-04	0|0	Cs4g10090.1/Cs4g100	9.44	0	0	2	MASCOT	T	PLEX8	
2.24E-04	0|0	Cs4g10090.1/Cs4g100	9.44	0	0	2	MASCOT	T	PLEX8	
4.96E-02	0|0	Cs4g10090.1/Cs4g100	9.44	0	0	2	MASCOT	T		
2.85E-01	0|0	Cs4g10090.1/Cs4g100	6.92	0	0	2	MASCOT	T	PLEX8	
1.23E-02	0|0	Cs4g10090.1/Cs4g100	6.92	0	0	2	MASCOT	T	PLEX8	
8.73E-02	0|0	Cs4g10090.1/Cs4g100	6.92	0	0	2	MASCOT	T		
2.53E-02	0|0	Cs4g10090.1/Cs4g100	6.92	0	0	2	MASCOT	T	PLEX8	
3.47E-02	0|0	Cs4g10090.1/Cs4g100	6.92	0	0	2	MASCOT	T	PLEX8	
4.75E-03	0|0	Cs4g10090.1/Cs4g100	8.76	0	0	2	MASCOT	T	PLEX8	
1.20E-02	0|0	Cs4g10090.1/Cs4g100	8.76	0	0	2	MASCOT	T		
7.35E-02	0|0	Cs4g10090.1/Cs4g100	8.76	0	0	2	MASCOT	T	PLEX8	
1.34E-02	0|0	Cs4g10090.1/Cs4g100	8.72	0	0	2	MASCOT	T	PLEX8	
1.81E-03	0|0	Cs4g10090.1/Cs4g100	5.81	0	0	2	MASCOT	T	PLEX8	
4.41E-03	0|0	Cs4g10090.1/Cs4g100	5.32	0	0	2	MASCOT	T	PLEX8	
8.20E-04	0|0	Cs4g10090.1/Cs4g100	5.32	0	0	2	MASCOT	T	PLEX8	
1.87E-02	0|0	Cs4g10090.1/Cs4g100	5.32	0	0	2	MASCOT	T	PLEX8	
1.04E-02	0|0	Cs4g10090.1/Cs4g100	5.32	0	0	2	MASCOT	T	PLEX8	
2.04E-02	0|0	Cs4g10090.1/Cs4g100	5.32	0	0	2	MASCOT	T	PLEX8	
1.16E-01	0|0	Cs9g01670.1	8.8	0	0	2	MASCOT	T	PLEX8	
3.10E-03	0|0	Cs9g01670.1	4	0	0	2	MASCOT	T		
1.78E-03	0|0	Cs9g01670.1	4.03	0	0	2	MASCOT	T	PLEX8	
1.47E-02	0|0	Cs9g01670.1	4.03	0	0	2	MASCOT	T	PLEX8	
1.32E-03	0|0	Cs9g01670.1	4.03	0	0	2	MASCOT	T	PLEX8	
9.52E-02	0|0	Cs9g01670.1	6	0	0	2	MASCOT	T	PLEX8	
1.01E-01	0|0	Cs9g01670.1	6	0	0	2	MASCOT	T	PLEX8	
1.00E-01	0|0	Cs9g01670.1	4.37	0	15.9	0	2	MASCOT	T	
1.46E-03	0|0	Cs9g01670.1	4.53	0	0	2	MASCOT	T	PLEX8	
7.47E-02	0|0	Cs9g01670.1	5.84	0	0	2	MASCOT	T	PLEX8	
1.97E-02	0|0	Cs9g01670.1	5.84	0	0	2	MASCOT	T	PLEX8	
2.37E-04	0|0	Cs9g01670.1	5.84	0	0	2	MASCOT	T	PLEX8	
3.36E-03	0|0	Cs9g01670.1	5.84	0	0	2	MASCOT	T	PLEX8	
3.48E-02	0|0	Cs9g01670.1	5.84	0	0	2	MASCOT	T	PLEX8	
6.31E-04	0|0	Cs9g01670.1	5.84	0	0	2	MASCOT	T	PLEX8	
1.21E-02	0|0	Cs9g01670.1	5.84	0	0	2	MASCOT	T	PLEX8	

3.46E-03 0|0	Cs9g01670.1	5.84	0	0	2 MASCOT	T	PLEX8
6.00E-02 0|0	Cs9g01670.1	4.37	0	0	2 MASCOT	T	PLEX8
5.27E-03 0|0	Cs9g01670.1	4.37	0	0	2 MASCOT	T	PLEX8
4.37E-02 0|0	Cs9g01670.1	4.37	0	0	2 MASCOT	T	PLEX8
6.22E-03 0|0	Cs9g01670.1	6.72	0	0	2 MASCOT	T	PLEX8
1.85E-01 0|0	Cs9g01670.1	6.72	0	0	2 MASCOT	T	PLEX8
2.71E-02 0|0	Cs9g01670.1	6.72	0	0	2 MASCOT	T	
2.32E-03 0|0	Cs9g01670.1	6.72	0	0	2 MASCOT	T	PLEX8
3.41E-01 0|0	Cs9g01670.1	6.72	0	0	2 MASCOT	T	
9.35E-02 0|0	Cs9g01670.1	4.21	0	0	2 MASCOT	T	PLEX8
1.53E-03 0|0	Cs9g01670.1	4.21	0	0	2 MASCOT	T	PLEX8
1.75E-03 0|0	Cs9g01670.1	4.21	0	0	2 MASCOT	T	PLEX8
3.34E-06 0|0	Cs9g01670.1	4.21	0	0	2 MASCOT	T	
9.10E-03 0|0	Cs9g01670.1	8.06	0	0	2 MASCOT	T	PLEX8
1.95E-06 0|0	Cs9g01670.1	8.06	0	0	2 MASCOT	T	PLEX8
1.67E-01 0|0	Cs9g01670.1	6	0	0	2 MASCOT	T	PLEX8
7.32E-02 0|0	Cs9g01670.1	6	0	0	2 MASCOT	T	PLEX8
4.72E-02 0|0	Cs9g01670.1	5.5	0	0	2 MASCOT	T	PLEX8
1.57E-01 0|0	Cs9g01670.1	5.5	0	0	2 MASCOT	T	PLEX8
1.47E-01 0|0	Cs9g01670.1	6.88	0	0	2 MASCOT	T	PLEX8
1.03E-02 0|0	Cs5g32640.1	4.4	0	0	2 MASCOT	T	PLEX8
2.39E-01 0|0	Cs5g32640.1	4.4	0	0	2 MASCOT	T	
1.22E-01 0|0	Cs5g32640.1	7.02	0	0	2 MASCOT	T	PLEX8
9.78E-04 0|0	Cs5g32640.1	7.02	0	0	2 MASCOT	T	PLEX8
1.47E-01 0|0	Cs5g32640.1	7.02	0	0	2 MASCOT	T	PLEX8
1.35E-03 0|0	Cs5g32640.1	7.02	0	0	2 MASCOT	T	
1.25E-01 0|0	Cs5g32640.1	7.02	0	0	2 MASCOT	T	
1.04E-02 0|0	Cs5g32640.1	8.76	0	0	2 MASCOT	T	PLEX8
1.79E-04 0|0	Cs5g32640.1	8.76	0	0	2 MASCOT	T	PLEX8
9.32E-02 0|0	Cs5g32640.1	8.76	0	0	2 MASCOT	T	PLEX8
1.90E-04 0|0	Cs5g32640.1	8.76	0	0	2 MASCOT	T	PLEX8
4.61E-03 0|0	Cs5g32640.1	8.76	0	0	2 MASCOT	T	
1.15E-02 0|0	Cs5g32640.1	8.76	0	0	2 MASCOT	T	
1.10E-01 0|0	Cs5g32640.1	4.37	0	0	2 MASCOT	T	
4.57E-04 0|0	Cs5g32640.1	4.37	0	0	2 MASCOT	T	PLEX8
1.28E-02 0|0	Cs5g32640.1	4.53	0	0	2 MASCOT	T	PLEX8
9.81E-02 0|0	Cs5g32640.1	4.53	0	0	2 MASCOT	T	PLEX8
3.21E-02 0|0	Cs5g32640.1	5.99	0	0	2 MASCOT	T	PLEX8
2.57E-02 0|0	Cs5g32640.1	5.99	0	0	2 MASCOT	T	PLEX8
4.21E-01 0|0	Cs5g32640.1	8.75	0	0	2 MASCOT	T	PLEX8
7.46E-02 0|0	Cs5g32640.1	5.99	0	0	2 MASCOT	T	
1.49E-01 0|0	Cs5g32640.1	8.75	0	0	2 MASCOT	T	PLEX8
2.00E-02 0|0	Cs5g32640.1	8.75	0	0	2 MASCOT	T	PLEX8
4.85E-03 0|0	Cs5g32640.1	8.75	0	0	2 MASCOT	T	PLEX8
1.73E-01 0|0	Cs5g32640.1	5.99	0	0	2 MASCOT	T	PLEX8
1.36E-02 0|0	Cs5g32640.1	5.4	0	0	2 MASCOT	T	PLEX8
6.44E-05 0|0	Cs5g32640.1	5.4	0	0	2 MASCOT	T	PLEX8
4.76E-03 0|0	Cs5g32640.1	5.4	0	0	2 MASCOT	T	PLEX8
1.31E-04 0|0	Cs5g32640.1	5.4	0	0	2 MASCOT	T	PLEX8
1.16E-01 0|0	Cs5g32640.1	4.75	1	0	2 MASCOT	T	
1.27E-01 0|0	Cs5g32640.1	6.92	0	0	2 MASCOT	T	

1.31E-03	0|0	Cs3g27840.1/Cs3g278	4.37	0	0	2	MASCOT	T		
8.64E-02	0|0	Cs3g27840.1/Cs3g278	6.85	0	0	2	MASCOT	T	PLEX8	
9.05E-02	0|0	Cs3g27840.1/Cs3g278	5.4	0	15.9	0	2	MASCOT	T	PLEX8
5.71E-03	0|0	Cs3g27840.1/Cs3g278	5.84	0	0	2	MASCOT	T	PLEX8	
3.04E-02	0|0	Cs3g27840.1/Cs3g278	5.84	0	0	2	MASCOT	T	PLEX8	
1.50E-01	0|0	Cs3g27840.1/Cs3g278	5.84	0	0	2	MASCOT	T	PLEX8	
1.30E-07	0|0	Cs3g27840.1/Cs3g278	4.37	0	0	2	MASCOT	T	PLEX8	
3.47E-04	0|0	Cs3g27840.1/Cs3g278	5.72	0	0	2	MASCOT	T		
1.39E-06	0|0	Cs3g27840.1/Cs3g278	4.37	0	0	2	MASCOT	T	PLEX8	
1.54E-01	0|0	Cs3g27840.1/Cs3g278	5.32	0	0	2	MASCOT	T	PLEX8	
2.53E-04	0|0	Cs3g27840.1/Cs3g278	5.32	0	0	2	MASCOT	T	PLEX8	
2.11E-02	0|0	Cs3g27840.1/Cs3g278	5.32	0	0	2	MASCOT	T	PLEX8	
2.71E-04	0|0	Cs3g27840.1/Cs3g278	5.32	0	0	2	MASCOT	T		
1.65E-01	0|0	Cs3g27840.1/Cs3g278	5.32	0	0	2	MASCOT	T		
1.62E-02	0|0	Cs3g27840.1/Cs3g278	5.81	0	0	2	MASCOT	T	PLEX8	
1.71E-01	0|0	Cs3g27840.1/Cs3g278	5.81	0	0	2	MASCOT	T	PLEX8	
3.39E-01	0|0	Cs3g27840.1/Cs3g278	8.22	0	0	2	MASCOT	T	PLEX8	
5.58E-02	0|0	Cs3g27840.1/Cs3g278	8.22	0	0	2	MASCOT	T	PLEX8	
6.22E-03	0|0	Cs3g27840.2/Cs3g278	6.1	0	0	2	MASCOT	T	PLEX8	
8.00E-02	0|0	Cs3g27840.1/Cs3g278	4.21	0	0	2	MASCOT	T	PLEX8	
2.20E-03	0|0	Cs3g27840.1/Cs3g278	4.21	0	0	2	MASCOT	T	PLEX8	
4.65E-02	0|0	Cs3g27840.1/Cs3g278	4.22	0	0	2	MASCOT	T	PLEX8	
3.45E-04	0|0	Cs3g27840.1/Cs3g278	4.22	0	0	2	MASCOT	T	PLEX8	
7.52E-02	0|0	Cs3g27840.1/Cs3g278	4.22	0	0	2	MASCOT	T		
2.30E-04	0|0	Cs3g27840.1/Cs3g278	4.22	0	0	2	MASCOT	T	PLEX8	
2.88E-07	0|0	Cs3g27840.1/Cs3g278	4.22	0	0	2	MASCOT	T	PLEX8	
1.25E-04	0|0	Cs3g27840.1/Cs3g278	4.22	0	0	2	MASCOT	T		
4.56E-01	0|0	Cs5g31770.1	6.85	0	0	2	MASCOT	T	PLEX8	
1.10E-01	0|0	Cs5g31770.1	6.85	0	0	2	MASCOT	T	PLEX8	
8.66E-03	0|0	Cs5g31770.1	4.37	0	0	2	MASCOT	T		
4.95E-01	0|0	Cs5g31770.1	7.02	0	0	2	MASCOT	T	PLEX8	
3.84E-03	0|0	Cs5g31770.1	7.02	0	0	2	MASCOT	T	PLEX8	
1.91E-03	0|0	Cs5g31770.1	7.02	0	0	2	MASCOT	T	PLEX8	
7.65E-02	0|0	Cs5g31770.1	8.41	0	0	2	MASCOT	T	PLEX8	
3.23E-01	0|0	Cs5g31770.1	5.66	0	0	2	MASCOT	T	PLEX8	
3.86E-03	0|0	Cs5g31770.1	5.66	0	0	2	MASCOT	T	PLEX8	
3.22E-01	0|0	Cs5g31770.1	4.37	0	0	2	MASCOT	T	PLEX8	
9.37E-03	0|0	Cs5g31770.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.17E-02	0|0	Cs5g31770.1	4.37	0	0	2	MASCOT	T	PLEX8	
3.40E-02	0|0	Cs5g31770.1	4.37	0	0	2	MASCOT	T	PLEX8	
2.05E-01	0|0	Cs5g31770.1	4.53	0	0	2	MASCOT	T	PLEX8	
2.55E-01	0|0	Cs5g31770.1	6.1	0	0	2	MASCOT	T	PLEX8	
6.92E-03	0|0	Cs5g31770.1	4.37	0	0	2	MASCOT	T		
1.44E-03	0|0	Cs5g31770.1	4.37	0	0	2	MASCOT	T		
8.31E-02	0|0	Cs5g31770.1	5.4	0	0	2	MASCOT	T	PLEX8	
3.15E-01	0|0	Cs5g31770.1	5.4	0	0	2	MASCOT	T	PLEX8	
4.70E-02	0|0	Cs5g31770.1	8.75	0	0	2	MASCOT	T	PLEX8	
9.25E-04	0|0	Cs5g06190.1/Cs5g317	6.25	0	0	2	MASCOT	T	PLEX8	
1.42E-01	0|0	Cs5g06190.1/Cs5g317	6.25	0	0	2	MASCOT	T	PLEX8	
2.77E-03	0|0	Cs5g06190.1/Cs5g317	6.25	0	0	2	MASCOT	T	PLEX8	
1.36E-02	0|0	Cs5g06190.1/Cs5g317	6.25	0	0	2	MASCOT	T	PLEX8	

6.76E-03	0|0	Cs5g06190.1/Cs5g317	6.25	0	0	2	MASCOT	T	
3.39E-03	0|0	Cs5g31770.1	8.22	0	0	2	MASCOT	T	PLEX8
1.87E-02	0|0	Cs5g31770.1	8.41	0	0	2	MASCOT	T	PLEX8
1.75E-04	0|0	Cs8g08330.1/Cs8g083	6.05	0	0	2	MASCOT	T	
2.15E-04	0|0	Cs8g08330.1/Cs8g083	6.05	0	0	2	MASCOT	T	
2.55E-06	0|0	Cs8g08330.1/Cs8g083	6.05	0	0	2	MASCOT	T	
1.24E-06	0|0	Cs8g08330.1/Cs8g083	6.05	0	0	2	MASCOT	T	
4.65E-02	0|0	Cs8g08330.1/Cs8g083	8.8	0	0	2	MASCOT	T	PLEX8
2.42E-01	0|0	Cs8g08330.1/Cs8g083	5.99	0	0	2	MASCOT	T	PLEX8
1.16E-01	0|0	Cs8g08330.1/Cs8g083	4.37	0	0	2	MASCOT	T	
1.97E-01	0|0	Cs8g08330.1/Cs8g083	3.83	0	0	2	MASCOT	T	
5.19E-03	0|0	Cs8g08330.1/Cs8g083	6	0	0	2	MASCOT	T	PLEX8
9.37E-03	0|0	Cs8g08330.1/Cs8g083	6	0	0	2	MASCOT	T	PLEX8
8.67E-03	0|0	Cs8g08330.1/Cs8g083	6.41	0	0	2	MASCOT	T	PLEX8
4.38E-04	0|0	Cs8g08330.1/Cs8g083	6.41	0	0	2	MASCOT	T	PLEX8
8.07E-04	0|0	Cs8g08330.1/Cs8g083	6.41	0	0	2	MASCOT	T	PLEX8
1.59E-04	0|0	Cs8g08330.1/Cs8g083	6.41	0	0	2	MASCOT	T	PLEX8
5.27E-02	0|0	Cs8g08330.1/Cs8g083	6.41	0	0	2	MASCOT	T	PLEX8
2.52E-01	0|0	Cs8g08330.1/Cs8g083	6.41	0	0	2	MASCOT	T	PLEX8
8.69E-03	0|0	Cs8g08330.1/Cs8g083	6.79	0	0	2	MASCOT	T	
2.41E-03	0|0	Cs8g08330.1/Cs8g083	3.84	0	0	2	MASCOT	T	PLEX8
1.96E-02	0|0	Cs8g08330.1/Cs8g083	5.4	0	0	2	MASCOT	T	PLEX8
5.93E-02	0|0	Cs8g08330.1/Cs8g083	5.4	0	0	2	MASCOT	T	PLEX8
1.86E-01	0|0	Cs8g08330.1/Cs8g083	5.4	0	0	2	MASCOT	T	PLEX8
6.08E-02	0|0	Cs8g08330.1/Cs8g083	5.21	0	0	2	MASCOT	T	PLEX8
5.03E-02	0|0	Cs8g08330.1/Cs8g083	6.75	0	0	2	MASCOT	T	
2.83E-03	0|0	Cs8g08330.1/Cs8g083	6.75	0	0	2	MASCOT	T	
3.29E-02	0|0	Cs8g08330.1/Cs8g083	5.72	0	0	2	MASCOT	T	PLEX8
2.82E-02	0|0	Cs8g08330.1/Cs8g083	4.14	0	0	2	MASCOT	T	PLEX8
1.54E-03	0|0	orange1.1t02009.1	4.54	0	0	2	MASCOT	T	PLEX8
2.13E-02	0|0	orange1.1t02009.1	8.8	0	0	2	MASCOT	T	PLEX8
1.96E-03	0|0	orange1.1t02009.1	8.8	0	0	2	MASCOT	T	PLEX8
6.78E-03	0|0	orange1.1t02009.1	5.88	0	0	2	MASCOT	T	PLEX8
1.44E-01	0|0	orange1.1t02009.1	5.88	0	0	2	MASCOT	T	PLEX8
1.95E-02	0|0	orange1.1t02009.1	5.88	0	0	2	MASCOT	T	PLEX8
1.28E-03	0|0	orange1.1t02009.1	5.88	0	0	2	MASCOT	T	PLEX8
9.35E-02	0|0	orange1.1t02009.1	5.88	0	0	2	MASCOT	T	PLEX8
7.11E-02	0|0	orange1.1t02009.1	5.88	0	0	2	MASCOT	T	PLEX8
6.90E-03	0|0	orange1.1t02009.1	5.88	0	0	2	MASCOT	T	PLEX8
1.79E-02	0|0	orange1.1t02009.1	4.53	0	0	2	MASCOT	T	PLEX8
1.92E-02	0|0	orange1.1t02009.1	4.37	0	0	2	MASCOT	T	PLEX8
1.06E-02	0|0	orange1.1t02009.1	5.84	0	0	2	MASCOT	T	PLEX8
8.69E-04	0|0	orange1.1t02009.1	4.1	0	0	2	MASCOT	T	PLEX8
8.06E-02	0|0	orange1.1t02009.1	5.81	0	0	2	MASCOT	T	PLEX8
8.15E-02	0|0	orange1.1t02009.1	4.53	0	0	2	MASCOT	T	PLEX8
6.16E-03	0|0	orange1.1t02009.1	6.05	0	0	2	MASCOT	T	
2.11E-02	0|0	orange1.1t02009.1	4.21	0	0	2	MASCOT	T	PLEX8
2.98E-01	0|0	orange1.1t02009.1	6.83	0	0	2	MASCOT	T	PLEX8
1.87E-01	0|0	orange1.1t02009.1	6.83	0	0	2	MASCOT	T	PLEX8
2.48E-01	0|0	orange1.1t02009.1	6.83	0	0	2	MASCOT	T	PLEX8
2.30E-01	0|0	orange1.1t02009.1	6.83	0	0	2	MASCOT	T	PLEX8

5.17E-02	0|0	orange1.1t02009.1	5.84	0	0	2	MASCOT	T	PLEX8	
1.17E-02	0|0	orange1.1t02009.1	6.75	0	0	2	MASCOT	T		
1.40E-03	0|0	Cs5g27000.1/Cs5g270	4.37	0	0	2	MASCOT	T		
2.24E-03	0|0	Cs5g27000.1/Cs5g270	4.37	0	0	2	MASCOT	T		
3.87E-08	0|0	Cs5g27000.1/Cs5g270	4.37	0	0	2	MASCOT	T		
3.68E-05	0|0	Cs5g27000.1/Cs5g270	4.37	0	0	2	MASCOT	T		
7.57E-02	0|0	Cs2g28930.1/Cs2g289	4.37	0	0	2	MASCOT	T	PLEX8	
7.98E-02	0|0	Cs5g27000.1/Cs5g270	8.6	0	0	2	MASCOT	T		
1.61E-01	0|0	Cs5g27000.1/Cs5g270	5.84	0	0	2	MASCOT	T	PLEX8	
5.47E-03	0|0	Cs5g27000.1/Cs5g270	4.25	0	0	2	MASCOT	T	PLEX8	
2.31E-02	0|0	Cs5g27000.1/Cs5g270	4.25	0	0	2	MASCOT	T	PLEX8	
2.79E-01	0|0	Cs5g27040.1	6	0	0	2	MASCOT	T	PLEX8	
2.04E-01	0|0	Cs5g27040.1	6	0	0	2	MASCOT	T	PLEX8	
1.65E-02	0|0	Cs5g27000.1/Cs5g270	4.37	0	0	2	MASCOT	T	PLEX8	
4.19E-02	0|0	Cs2g28930.1/Cs2g289	8.47	0	0	2	MASCOT	T	PLEX8	
2.97E-02	0|0	Cs2g28930.1/Cs2g289	8.47	0	0	2	MASCOT	T	PLEX8	
4.78E-02	0|0	Cs2g28930.1/Cs2g289	8.47	0	0	2	MASCOT	T	PLEX8	
1.57E-03	0|0	Cs2g28930.1/Cs2g289	5.97	0	0	2	MASCOT	T	PLEX8	
3.04E-02	0|0	Cs2g28930.1/Cs2g289	5.97	0	0	2	MASCOT	T	PLEX8	
5.10E-03	0|0	Cs2g28930.1/Cs2g289	5.97	0	0	2	MASCOT	T	PLEX8	
9.63E-03	0|0	Cs2g28930.1/Cs2g289	5.84	0	0	2	MASCOT	T	PLEX8	
4.64E-03	0|0	Cs2g28930.1/Cs2g289	5.84	0	0	2	MASCOT	T		
1.11E-01	0|0	Cs2g28930.1/Cs2g289	9.8	0	0	2	MASCOT	T	PLEX8	
3.20E-01	0|0	Cs2g28930.1/Cs2g289	9.2	0	0	2	MASCOT	T	PLEX8	
2.51E-01	0|0	Cs5g27000.1/Cs5g270	6	0	0	2	MASCOT	T	PLEX8	
7.68E-02	0|0	Cs4g09680.1/Cs4g096	6.05	0	0	2	MASCOT	T	PLEX8	
7.84E-02	0|0	Cs4g09680.1/Cs4g096	6.05	0	0	2	MASCOT	T	PLEX8	
3.77E-02	0|0	Cs4g09680.1/Cs4g096	4.18	1	0	2	MASCOT	T	PLEX8	
2.52E-01	0|0	Cs4g09680.1/Cs4g096	4.25	0	0	2	MASCOT	T	PLEX8	
1.22E-02	0|0	Cs4g09680.1	4.25	0	0	2	MASCOT	T	PLEX8	
1.55E-01	0|0	Cs4g09680.1	4.25	0	0	2	MASCOT	T	PLEX8	
2.95E-01	0|0	Cs4g09680.1/Cs4g096	4.53	0	15.9	0	2	MASCOT	T	PLEX8
2.60E-01	0|0	Cs4g09680.1/Cs4g096	4.53	0	15.9	0	2	MASCOT	T	
3.06E-03	0|0	Cs4g09680.1/Cs4g096	4.22	0	0	2	MASCOT	T	PLEX8	
2.30E-05	0|0	Cs4g09680.1/Cs4g096	6	0	0	2	MASCOT	T	PLEX8	
4.66E-02	0|0	Cs4g09680.1/Cs4g096	5.84	0	0	2	MASCOT	T	PLEX8	
4.39E-03	0|0	Cs4g09680.1/Cs4g096	5.84	0	0	2	MASCOT	T	PLEX8	
3.36E-04	0|0	Cs4g09680.1	4.14	0	0	2	MASCOT	T	PLEX8	
3.47E-02	0|0	Cs4g09680.1	4.14	0	0	2	MASCOT	T	PLEX8	
1.17E-04	0|0	Cs4g09680.1	4.14	0	0	2	MASCOT	T	PLEX8	
2.44E-01	0|0	Cs4g09680.1/Cs4g096	6	0	0	2	MASCOT	T	PLEX8	
3.19E-04	0|0	Cs4g09680.1/Cs4g096	4.53	0	0	2	MASCOT	T	PLEX8	
6.53E-02	0|0	Cs4g09680.1/Cs4g096	4.53	0	0	2	MASCOT	T	PLEX8	
9.52E-04	0|0	Cs4g09680.1/Cs4g096	8.59	0	0	2	MASCOT	T	PLEX8	
2.40E-01	0|0	Cs4g09680.1/Cs4g096	5.97	0	0	2	MASCOT	T	PLEX8	
4.69E-01	0|0	Cs4g09680.1/Cs4g096	5.97	0	0	2	MASCOT	T	PLEX8	
1.74E-01	0|0	Cs7g19370.1/Cs7g193	6.79	0	0	2	MASCOT	T	PLEX8	
6.14E-02	0|0	Cs7g19370.1/Cs7g193	5.84	0	0	2	MASCOT	T	PLEX8	
6.35E-05	0|0	Cs7g19370.1/Cs7g193	4.53	0	0	2	MASCOT	T		
4.37E-03	0|0	Cs7g19370.1/Cs7g193	4.53	0	0	2	MASCOT	T		
2.94E-02	0|0	Cs7g19370.1/Cs7g193	4.25	0	0	2	MASCOT	T		

2.03E-03	0|0	Cs7g19370.1/Cs7g193	4.25	0	0	2	MASCOT	T	
5.61E-04	0|0	Cs7g19370.1/Cs7g193	4.25	0	0	2	MASCOT	T	
1.52E-01	0|0	Cs7g19370.1/Cs7g193	6	0	0	2	MASCOT	T	PLEX8
5.57E-01	0|0	Cs7g19370.1/Cs7g193	6	0	0	2	MASCOT	T	PLEX8
9.44E-03	0|0	Cs7g19370.1/Cs7g193	5.97	0	0	2	MASCOT	T	PLEX8
7.88E-02	0|0	Cs7g19370.1/Cs7g193	5.97	0	0	2	MASCOT	T	PLEX8
1.53E-02	0|0	Cs7g19370.1/Cs7g193	5.97	0	0	2	MASCOT	T	PLEX8
1.06E-04	0|0	Cs7g19370.1/Cs7g193	5.97	0	0	2	MASCOT	T	PLEX8
1.12E-01	0|0	Cs7g19370.1/Cs7g193	4.65	0	0	2	MASCOT	T	PLEX8
1.24E-01	0|0	Cs7g19370.1/Cs7g193	4.37	0	0	2	MASCOT	T	PLEX8
7.71E-03	0|0	Cs7g19370.1/Cs7g193	8.59	1	0	2	MASCOT	T	PLEX8
5.51E-02	0|0	Cs7g19370.1/Cs7g193	4.53	0	0	2	MASCOT	T	PLEX8
9.28E-04	0|0	Cs7g19370.1/Cs7g193	4.53	0	0	2	MASCOT	T	PLEX8
2.14E-02	0|0	Cs7g19370.1/Cs7g193	4.53	0	0	2	MASCOT	T	PLEX8
8.67E-02	0|0	Cs7g19370.1/Cs7g193	5.66	0	0	2	MASCOT	T	
1.72E-01	0|0	Cs7g19370.1/Cs7g193	5.81	0	0	2	MASCOT	T	
9.00E-04	0|0	Cs5g31320.1	5.21	0	0	2	MASCOT	T	PLEX8
6.19E-04	0|0	Cs5g31320.1	5.84	0	0	2	MASCOT	T	PLEX8
5.77E-02	0|0	Cs5g31320.1	4.53	0	0	2	MASCOT	T	PLEX8
8.43E-03	0|0	Cs5g31320.1	5.72	0	0	2	MASCOT	T	PLEX8
2.96E-04	0|0	Cs5g31320.1	5.72	0	0	2	MASCOT	T	PLEX8
2.29E-03	0|0	Cs5g31320.1	5.72	0	0	2	MASCOT	T	PLEX8
3.19E-01	0|0	Cs5g31320.1	5.5	0	0	2	MASCOT	T	PLEX8
3.29E-02	0|0	Cs5g31320.1	8.72	0	0	2	MASCOT	T	PLEX8
1.93E-02	0|0	Cs5g31320.1	8.72	0	0	2	MASCOT	T	PLEX8
5.00E-03	0|0	Cs5g31320.1	6.05	0	0	2	MASCOT	T	PLEX8
1.32E-01	0|0	Cs5g31320.1	4.25	0	0	2	MASCOT	T	PLEX8
4.61E-01	0|0	Cs5g31320.1	6.73	0	0	2	MASCOT	T	
1.79E-01	0|0	Cs5g31320.1	5.21	0	0	2	MASCOT	T	PLEX8
1.56E-02	0|0	Cs5g31320.1	5.21	0	0	2	MASCOT	T	PLEX8
8.60E-04	0|0	Cs5g31320.1	5.21	0	0	2	MASCOT	T	PLEX8
5.08E-03	0|0	Cs5g31320.1	4	0	0	2	MASCOT	T	PLEX8
8.35E-02	0|0	Cs5g31320.1	4.53	0	0	2	MASCOT	T	PLEX8
6.84E-03	0|0	Cs5g31320.1	4.37	0	0	2	MASCOT	T	PLEX8
1.60E-06	0|0	Cs5g31320.1	4.37	0	0	2	MASCOT	T	PLEX8
1.58E-03	0|0	Cs5g31320.1	4.37	0	0	2	MASCOT	T	PLEX8
5.39E-05	0|0	Cs8g10790.1	8.54	0	0	2	MASCOT	T	PLEX8
2.43E-08	0|0	Cs8g10790.1	8.54	0	0	2	MASCOT	T	PLEX8
9.53E-05	0|0	Cs8g10790.1	8.54	0	0	2	MASCOT	T	PLEX8
2.63E-05	0|0	Cs8g10790.1	8.54	0	0	2	MASCOT	T	PLEX8
5.08E-02	0|0	Cs8g10790.1	8.54	0	0	2	MASCOT	T	PLEX8
5.76E-03	0|0	Cs8g10790.1	8.54	0	0	2	MASCOT	T	PLEX8
4.62E-02	0|0	Cs8g10790.1	8.54	0	0	2	MASCOT	T	PLEX8
3.40E-04	0|0	Cs8g10790.1	8.54	0	0	2	MASCOT	T	PLEX8
3.41E-04	0|0	Cs8g10790.1/Cs8g107	5.88	0	0	2	MASCOT	T	PLEX8
4.16E-03	0|0	Cs8g10790.1/Cs8g107	5.88	0	0	2	MASCOT	T	PLEX8
1.90E-04	0|0	Cs8g10790.1/Cs8g107	5.88	0	0	2	MASCOT	T	PLEX8
3.19E-03	0|0	Cs8g10790.1/Cs8g107	5.88	0	0	2	MASCOT	T	PLEX8
7.92E-03	0|0	Cs8g10790.1/Cs8g107	5.88	0	0	2	MASCOT	T	PLEX8
9.06E-02	0|0	Cs8g10790.1/Cs8g107	5.88	0	0	2	MASCOT	T	PLEX8
7.83E-04	0|0	Cs8g10790.1/Cs8g107	5.88	0	0	2	MASCOT	T	

1.48E-03	0|0	Cs8g10790.1/Cs8g107	5.88	0	0	2	MASCOT	T	PLEX8
5.71E-02	0|0	Cs8g10790.1/Cs8g107	5.88	0	0	2	MASCOT	T	
1.24E-01	0|0	Cs8g10790.1/Cs8g107	4.21	0	0	2	MASCOT	T	PLEX8
8.36E-03	0|0	Cs8g10790.1/Cs8g107	4.21	0	0	2	MASCOT	T	PLEX8
1.46E-01	0|0	Cs8g10790.1/Cs8g107	4.21	0	0	2	MASCOT	T	PLEX8
9.97E-02	0|0	Cs8g10790.1/Cs8g107	4.21	0	0	2	MASCOT	T	PLEX8
1.36E-01	0|0	Cs8g10790.1/Cs8g107	4.21	0	0	2	MASCOT	T	PLEX8
1.15E-01	0|0	Cs8g10790.1/Cs8g107	4.21	0	0	2	MASCOT	T	PLEX8
2.62E-01	0|0	Cs8g10790.1/Cs8g107	4.21	0	0	2	MASCOT	T	PLEX8
1.19E-01	0|0	Cs8g10790.1/Cs8g107	4.21	0	0	2	MASCOT	T	PLEX8
9.64E-03	0|0	Cs8g10790.1/Cs8g107	4.21	0	0	2	MASCOT	T	PLEX8
9.35E-02	0|0	Cs8g10790.1/Cs8g107	4.21	0	0	2	MASCOT	T	PLEX8
2.65E-01	0|0	Cs8g10790.1/Cs8g107	4.21	0	0	2	MASCOT	T	
1.02E-02	0|0	Cs8g10790.1/Cs8g107	4.37	0	0	2	MASCOT	T	PLEX8
2.93E-04	0|0	Cs8g10790.1/Cs8g107	4.37	0	0	2	MASCOT	T	
1.21E-01	0|0	Cs8g10790.1/Cs8g107	4.37	0	0	2	MASCOT	T	
1.48E-04	0|0	Cs8g10790.1/Cs8g107	4.37	0	0	2	MASCOT	T	
1.62E-04	0|0	Cs8g10790.1/Cs8g107	4.37	0	0	2	MASCOT	T	
3.56E-04	0|0	Cs8g10790.1/Cs8g107	4.37	0	0	2	MASCOT	T	
1.39E-02	0|0	Cs8g10790.1/Cs8g107	4.37	0	0	2	MASCOT	T	
5.06E-02	0|0	Cs8g10790.1/Cs8g107	4.37	0	0	2	MASCOT	T	
3.00E-01	0|0	Cs8g10790.1/Cs8g107	4.37	0	0	2	MASCOT	T	
2.22E-01	0|0	Cs8g10790.1/Cs8g107	4.37	0	0	2	MASCOT	T	PLEX8
6.23E-02	0|0	Cs8g10790.1/Cs8g107	8.22	0	0	2	MASCOT	T	PLEX8
2.40E-02	0|0	Cs8g10790.1/Cs8g107	8.22	0	0	2	MASCOT	T	PLEX8
1.51E-01	0|0	Cs8g10790.1/Cs8g107	8.22	0	0	2	MASCOT	T	PLEX8
2.37E-01	0|0	Cs8g10790.1/Cs8g107	8.22	0	0	2	MASCOT	T	PLEX8
2.92E-02	0|0	Cs8g10790.1/Cs8g107	8.22	0	0	2	MASCOT	T	PLEX8
8.85E-03	0|0	Cs8g10790.1/Cs8g107	8.22	0	0	2	MASCOT	T	PLEX8
3.75E-02	0|0	Cs8g10790.1/Cs8g107	8.22	0	0	2	MASCOT	T	PLEX8
2.27E-02	0|0	Cs8g10790.1/Cs8g107	8.22	0	0	2	MASCOT	T	PLEX8
6.88E-02	0|0	Cs8g10790.1/Cs8g107	8.22	0	0	2	MASCOT	T	PLEX8
5.27E-02	0|0	Cs8g10790.1/Cs8g107	8.22	0	0	2	MASCOT	T	PLEX8
3.99E-02	0|0	Cs8g10790.1	4.13	0	15.9	0	2	MASCOT	T
6.55E-05	0|0	Cs8g10790.1	4.13	0	0	2	MASCOT	T	
5.61E-03	0|0	Cs8g10790.1	4.03	0	0	2	MASCOT	T	PLEX8
1.79E-01	0|0	Cs8g10790.1	4.03	0	0	2	MASCOT	T	PLEX8
4.21E-03	0|0	Cs8g10790.1	4.03	0	0	2	MASCOT	T	PLEX8
9.66E-06	0|0	Cs8g10790.1	4.03	0	0	2	MASCOT	T	PLEX8
9.28E-03	0|0	Cs8g10790.1	4.03	0	0	2	MASCOT	T	PLEX8
6.81E-02	0|0	Cs8g10790.1	4.03	0	0	2	MASCOT	T	PLEX8
2.86E-01	0|0	Cs8g10790.1	4.03	0	0	2	MASCOT	T	PLEX8
2.45E-02	0|0	Cs8g10790.1	4.03	0	0	2	MASCOT	T	PLEX8
1.82E-01	0|0	Cs8g10790.1	4.03	0	0	2	MASCOT	T	
4.08E-02	0|0	Cs8g10790.1	4.03	0	0	2	MASCOT	T	PLEX8
3.11E-01	0|0	Cs8g10790.1/Cs8g107	6.1	0	0	2	MASCOT	T	PLEX8
1.46E-01	0|0	Cs8g10790.1/Cs8g107	8.75	0	0	2	MASCOT	T	PLEX8
4.04E-02	0|0	Cs8g10790.1/Cs8g107	8.75	0	0	2	MASCOT	T	PLEX8
7.16E-03	0|0	Cs8g10790.1/Cs8g107	8.75	0	0	2	MASCOT	T	PLEX8
2.18E-03	0|0	Cs8g10790.1/Cs8g107	8.75	0	0	2	MASCOT	T	PLEX8
1.48E-03	0|0	Cs8g10790.1/Cs8g107	8.75	0	0	2	MASCOT	T	PLEX8

1.93E-04 0|0	Cs8g10790.1/Cs8g107	8.75	0	0	2 MASCOT	T	PLEX8
6.79E-02 0|0	Cs8g10790.1/Cs8g107	8.75	0	0	2 MASCOT	T	PLEX8
3.18E-01 0|0	Cs8g10790.1/Cs8g107	8.75	0	0	2 MASCOT	T	PLEX8
1.43E-03 0|0	Cs8g10790.1/Cs8g107	8.75	0	0	2 MASCOT	T	PLEX8
8.07E-04 0|0	Cs8g10790.1/Cs8g107	8.75	0	0	2 MASCOT	T	PLEX8
2.94E-01 0|0	Cs8g10790.1/Cs8g107	8.75	0	0	2 MASCOT	T	PLEX8
8.20E-04 0|0	Cs8g10790.1/Cs8g107	8.75	0	0	2 MASCOT	T	PLEX8
2.21E-02 0|0	Cs8g10790.1/Cs8g107	8.75	0	0	2 MASCOT	T	PLEX8
5.69E-02 0|0	Cs8g10790.1/Cs8g107	8.75	0	0	2 MASCOT	T	PLEX8
1.21E-01 0|0	Cs8g10790.1/Cs8g107	8.75	0	0	2 MASCOT	T	PLEX8
2.83E-02 0|0	Cs8g10790.1/Cs8g107	8.75	0	0	2 MASCOT	T	PLEX8
7.55E-03 0|0	Cs8g10790.1/Cs8g107	8.75	0	0	2 MASCOT	T	PLEX8
3.09E-03 0|0	Cs8g10790.1/Cs8g107	8.75	0	0	2 MASCOT	T	PLEX8
4.68E-01 0|0	Cs8g10790.1/Cs8g107	8.75	0	0	2 MASCOT	T	PLEX8
9.15E-04 0|0	Cs8g10790.1/Cs8g107	8.75	0	0	2 MASCOT	T	PLEX8
6.86E-02 0|0	Cs8g10790.1/Cs8g107	8.75	0	0	2 MASCOT	T	PLEX8
1.10E-04 0|0	Cs8g10790.1/Cs8g107	8.75	0	0	2 MASCOT	T	PLEX8
1.71E-01 0|0	Cs8g10790.1/Cs8g107	8.75	0	0	2 MASCOT	T	PLEX8
5.26E-03 0|0	Cs8g10790.1/Cs8g107	8.75	0	0	2 MASCOT	T	PLEX8
1.41E-03 0|0	Cs8g10790.1/Cs8g107	8.75	0	0	2 MASCOT	T	PLEX8
1.52E-03 0|0	Cs8g10790.1/Cs8g107	8.75	0	0	2 MASCOT	T	PLEX8
2.31E-02 0|0	Cs8g10790.1/Cs8g107	8.75	0	0	2 MASCOT	T	PLEX8
5.38E-01 0|0	Cs8g10790.1/Cs8g107	8.75	0	0	2 MASCOT	T	PLEX8
1.04E-03 0|0	Cs8g10790.1/Cs8g107	8.75	0	0	2 MASCOT	T	PLEX8
5.04E-02 0|0	Cs8g10790.1/Cs8g107	8.75	0	0	2 MASCOT	T	PLEX8
1.66E-01 0|0	Cs8g10790.1/Cs8g107	8.75	0	0	2 MASCOT	T	PLEX8
9.92E-03 0|0	Cs8g10790.1/Cs8g107	8.75	0	0	2 MASCOT	T	PLEX8
4.58E-01 0|0	Cs8g10790.1/Cs8g107	8.75	0	0	2 MASCOT	T	PLEX8
4.34E-02 0|0	Cs8g10790.1/Cs8g107	8.75	0	0	2 MASCOT	T	PLEX8
5.42E-01 0|0	Cs8g10790.1/Cs8g107	8.75	0	0	2 MASCOT	T	PLEX8
1.67E-01 0|0	Cs8g10790.1/Cs8g107	8.75	0	0	2 MASCOT	T	PLEX8
1.28E-01 0|0	Cs8g10790.1/Cs8g107	8.75	0	0	2 MASCOT	T	PLEX8
2.81E-03 0|0	Cs8g10790.1/Cs8g107	8.75	0	0	2 MASCOT	T	PLEX8
1.63E-03 0|0	Cs8g10790.1/Cs8g107	8.75	0	0	2 MASCOT	T	PLEX8
5.97E-02 0|0	Cs8g10790.1/Cs8g107	8.75	0	0	2 MASCOT	T	PLEX8
8.83E-02 0|0	Cs8g10790.1/Cs8g107	8.75	0	0	2 MASCOT	T	PLEX8
1.66E-02 0|0	Cs8g10790.1/Cs8g107	8.75	0	0	2 MASCOT	T	
3.37E-02 0|0	Cs8g10790.1/Cs8g107	8.75	0	0	2 MASCOT	T	
3.80E-03 0|0	Cs8g10790.1/Cs8g107	8.75	0	0	2 MASCOT	T	
6.53E-02 0|0	Cs8g10790.1/Cs8g107	4.03	0	0	2 MASCOT	T	PLEX8
5.36E-02 0|0	Cs8g10790.1/Cs8g107	4.03	0	0	2 MASCOT	T	PLEX8
2.59E-05 0|0	Cs8g10790.1/Cs8g107	4.03	0	0	2 MASCOT	T	PLEX8
1.35E-01 0|0	Cs8g10790.1/Cs8g107	4.03	0	0	2 MASCOT	T	PLEX8
1.06E-04 0|0	Cs8g10790.1/Cs8g107	4.03	0	0	2 MASCOT	T	PLEX8
1.34E-07 0|0	Cs8g10790.1/Cs8g107	4.03	0	0	2 MASCOT	T	PLEX8
3.52E-04 0|0	Cs8g10790.1/Cs8g107	4.03	0	0	2 MASCOT	T	PLEX8
4.38E-03 0|0	Cs8g10790.1/Cs8g107	4.03	0	0	2 MASCOT	T	PLEX8
1.51E-03 0|0	Cs8g10790.1/Cs8g107	4.03	0	0	2 MASCOT	T	PLEX8
5.23E-04 0|0	Cs8g10790.1/Cs8g107	4.03	0	0	2 MASCOT	T	PLEX8
1.82E-02 0|0	Cs8g10790.1	8.75	0	0	2 MASCOT	T	PLEX8
2.68E-01 0|0	Cs8g10790.1	8.75	0	0	2 MASCOT	T	PLEX8

9.84E-02 0|0	Cs8g10790.1	8.75	0	0	2 MASCOT	T	PLEX8
1.61E-01 0|0	Cs8g10790.1	8.75	0	0	2 MASCOT	T	PLEX8
1.04E-01 0|0	Cs8g10790.1	8.75	0	0	2 MASCOT	T	PLEX8
1.16E-01 0|0	Cs8g10790.1	8.75	0	0	2 MASCOT	T	PLEX8
2.20E-02 0|0	Cs8g10790.1	8.75	0	0	2 MASCOT	T	PLEX8
1.06E-01 0|0	Cs8g10790.1	8.75	0	0	2 MASCOT	T	PLEX8
3.99E-02 0|0	Cs8g10790.1	8.75	0	0	2 MASCOT	T	PLEX8
2.88E-02 0|0	Cs8g10790.1	8.75	0	0	2 MASCOT	T	
1.14E-01 0|0	Cs8g10790.1/Cs8g107	4.21	0	0	2 MASCOT	T	PLEX8
1.06E-01 0|0	Cs8g10790.1/Cs8g107	4.21	0	0	2 MASCOT	T	PLEX8
1.79E-01 0|0	Cs8g10790.1/Cs8g107	4.21	0	0	2 MASCOT	T	PLEX8
4.45E-01 0|0	Cs8g10790.1/Cs8g107	4.21	0	0	2 MASCOT	T	PLEX8
2.85E-01 0|0	Cs8g10790.1/Cs8g107	4.21	0	0	2 MASCOT	T	PLEX8
1.55E-01 0|0	Cs8g10790.1/Cs8g107	4.21	0	0	2 MASCOT	T	PLEX8
3.92E-01 0|0	Cs8g10790.1/Cs8g107	4.21	0	0	2 MASCOT	T	PLEX8
1.19E-01 0|0	Cs8g10790.1/Cs8g107	4.21	0	0	2 MASCOT	T	PLEX8
1.29E-01 0|0	Cs8g10790.1/Cs8g107	4.21	0	0	2 MASCOT	T	PLEX8
1.49E-02 0|0	Cs8g10790.1/Cs8g107	4.21	0	0	2 MASCOT	T	PLEX8
1.16E-01 0|0	Cs8g10790.1/Cs8g107	4.21	0	0	2 MASCOT	T	PLEX8
1.09E-01 0|0	Cs8g10790.1/Cs8g107	4.21	0	0	2 MASCOT	T	PLEX8
1.50E-01 0|0	Cs8g10790.1/Cs8g107	4.21	0	0	2 MASCOT	T	PLEX8
1.53E-01 0|0	Cs8g10790.1/Cs8g107	4.21	0	0	2 MASCOT	T	
1.59E-02 0|0	Cs8g10790.1/Cs8g107	9.72	0	0	2 MASCOT	T	
3.96E-02 0|0	Cs8g10790.1/Cs8g107	9.72	0	0	2 MASCOT	T	
5.40E-03 0|0	Cs8g10790.1/Cs8g107	9.72	0	0	2 MASCOT	T	
9.56E-06 0|0	Cs8g10790.1/Cs8g107	9.72	0	0	2 MASCOT	T	
1.08E-02 0|0	Cs8g10790.1/Cs8g107	9.72	0	0	2 MASCOT	T	
6.69E-05 0|0	Cs8g10790.1/Cs8g107	9.72	0	0	2 MASCOT	T	
2.37E-02 0|0	Cs8g10790.1/Cs8g107	9.72	0	0	2 MASCOT	T	
1.38E-04 0|0	Cs1g01760.1/Cs1g017	6.05	0	0	2 MASCOT	T	PLEX8
6.62E-09 0|0	Cs1g01760.1/Cs1g017	6.05	0	0	2 MASCOT	T	PLEX8
3.77E-03 0|0	Cs1g01760.1/Cs1g017	6.05	0	0	2 MASCOT	T	PLEX8
5.99E-04 0|0	Cs1g01760.1/Cs1g017	6.05	0	0	2 MASCOT	T	PLEX8
1.78E-05 0|0	Cs1g01760.1/Cs1g017	6.05	0	0	2 MASCOT	T	
3.64E-08 0|0	Cs1g01760.1/Cs1g017	6.05	0	0	2 MASCOT	T	
1.30E-07 0|0	Cs1g01760.1/Cs1g017	6.05	0	0	2 MASCOT	T	
8.34E-04 0|0	Cs1g01760.1/Cs1g017	6.05	0	0	2 MASCOT	T	PLEX8
4.09E-01 0|0	Cs1g01760.1/Cs1g017	6.05	0	0	2 MASCOT	T	
3.04E-02 0|0	Cs1g01760.1/Cs1g017	9.75	0	0	2 MASCOT	T	PLEX8
2.66E-04 0|0	Cs1g01760.1/Cs1g017	8.23	0	0	2 MASCOT	T	
3.68E-02 0|0	Cs1g01760.1/Cs1g017	8.23	0	0	2 MASCOT	T	
3.77E-04 0|0	Cs1g01760.1/Cs1g017	8.23	0	0	2 MASCOT	T	PLEX8
3.31E-03 0|0	Cs1g01760.1/Cs1g017	8.23	0	0	2 MASCOT	T	
1.57E-02 0|0	Cs1g01760.1/Cs1g017	4.53	0	0	2 MASCOT	T	PLEX8
2.61E-02 0|0	Cs1g01760.1/Cs1g017	4.53	0	0	2 MASCOT	T	PLEX8
2.51E-02 0|0	Cs1g01760.1/Cs1g017	4.53	0	0	2 MASCOT	T	PLEX8
2.06E-04 0|0	Cs1g01760.1/Cs1g017	8.75	0	0	2 MASCOT	T	PLEX8
2.21E-02 0|0	Cs1g01760.1/Cs1g017	8.75	0	0	2 MASCOT	T	PLEX8
2.79E-02 0|0	Cs1g01760.1/Cs1g017	8.75	0	0	2 MASCOT	T	PLEX8
4.09E-06 0|0	Cs1g01760.1/Cs1g017	8.75	0	0	2 MASCOT	T	PLEX8
1.62E-02 0|0	Cs1g01760.1/Cs1g017	8.75	0	0	2 MASCOT	T	PLEX8

1.68E-01	0|0	Cs1g01760.1/Cs1g017	8.75	0	0	2	MASCOT	T	PLEX8
4.17E-04	0|0	Cs1g01760.1/Cs1g017	8.75	0	0	2	MASCOT	T	PLEX8
2.64E-03	0|0	Cs1g01760.1/Cs1g017	8.75	0	0	2	MASCOT	T	PLEX8
1.32E-05	0|0	Cs1g01760.1/Cs1g017	8.75	0	0	2	MASCOT	T	PLEX8
1.10E-02	0|0	Cs1g01760.1/Cs1g017	8.75	0	0	2	MASCOT	T	PLEX8
8.15E-02	0|0	Cs1g01760.1/Cs1g017	8.75	0	0	2	MASCOT	T	PLEX8
6.46E-04	0|0	Cs1g01760.1/Cs1g017	8.75	0	0	2	MASCOT	T	PLEX8
4.55E-03	0|0	Cs1g01760.1/Cs1g017	4.68	1	0	2	MASCOT	T	PLEX8
4.89E-01	0|0	Cs1g01760.1/Cs1g017	4.53	0	0	2	MASCOT	T	PLEX8
8.71E-04	0|0	Cs1g01760.1/Cs1g017	4.53	0	0	2	MASCOT	T	PLEX8
5.58E-01	0|0	Cs1g01760.1/Cs1g017	4.53	0	0	2	MASCOT	T	PLEX8
8.65E-04	0|0	Cs1g01760.1/Cs1g017	4.53	0	0	2	MASCOT	T	PLEX8
1.15E-04	0|0	Cs1g01760.1/Cs1g017	4.53	0	0	2	MASCOT	T	PLEX8
1.81E-03	0|0	Cs1g01760.1/Cs1g017	4.53	0	0	2	MASCOT	T	PLEX8
5.56E-03	0|0	Cs1g01760.1/Cs1g017	4.53	0	0	2	MASCOT	T	PLEX8
4.12E-02	0|0	Cs1g01760.1/Cs1g017	4.53	0	0	2	MASCOT	T	PLEX8
5.14E-01	0|0	Cs1g01760.1/Cs1g017	4.53	0	0	2	MASCOT	T	PLEX8
3.38E-02	0|0	Cs1g01760.1/Cs1g017	4.53	0	0	2	MASCOT	T	PLEX8
1.24E-04	0|0	Cs1g01760.1/Cs1g017	4.53	0	0	2	MASCOT	T	PLEX8
9.16E-04	0|0	Cs1g01760.1/Cs1g017	4.53	0	0	2	MASCOT	T	PLEX8
4.85E-02	0|0	Cs1g01760.1/Cs1g017	4.53	0	0	2	MASCOT	T	
2.65E-03	0|0	Cs1g01760.1/Cs1g017	4.37	0	0	2	MASCOT	T	PLEX8
4.90E-03	0|0	Cs1g01760.1/Cs1g017	4.37	0	0	2	MASCOT	T	PLEX8
1.56E-03	0|0	Cs1g01760.1/Cs1g017	4.37	0	0	2	MASCOT	T	PLEX8
4.44E-02	0|0	Cs1g01760.1/Cs1g017	4.37	0	0	2	MASCOT	T	PLEX8
2.05E-02	0|0	Cs1g01760.1/Cs1g017	4.37	0	0	2	MASCOT	T	PLEX8
1.10E-01	0|0	Cs1g01760.1/Cs1g017	4.37	0	0	2	MASCOT	T	PLEX8
8.09E-02	0|0	Cs1g01760.1/Cs1g017	4.37	0	0	2	MASCOT	T	PLEX8
4.68E-02	0|0	Cs1g01760.1/Cs1g017	4.37	0	0	2	MASCOT	T	PLEX8
1.82E-02	0|0	Cs1g01760.1/Cs1g017	4.37	0	0	2	MASCOT	T	PLEX8
2.28E-01	0|0	Cs1g01760.1/Cs1g017	4.37	0	0	2	MASCOT	T	
3.66E-01	0|0	Cs1g01760.1/Cs1g017	4.37	0	0	2	MASCOT	T	PLEX8
2.50E-01	0|0	Cs1g01760.1/Cs1g017	4.37	0	0	2	MASCOT	T	PLEX8
2.53E-01	0|0	Cs1g01760.1/Cs1g017	4.37	0	0	2	MASCOT	T	
2.75E-03	0|0	Cs1g01760.1/Cs1g017	4.37	0	0	2	MASCOT	T	PLEX8
2.72E-01	0|0	Cs1g01760.1/Cs1g017	4.37	0	0	2	MASCOT	T	
1.95E-01	0|0	Cs1g01760.1/Cs1g017	4.37	0	0	2	MASCOT	T	PLEX8
4.72E-02	0|0	Cs1g01760.1/Cs1g017	4.37	0	0	2	MASCOT	T	
1.90E-01	0|0	Cs1g01760.1/Cs1g017	4.37	0	0	2	MASCOT	T	
1.61E-01	0|0	Cs1g01760.1/Cs1g017	8.59	0	0	2	MASCOT	T	PLEX8
3.62E-01	0|0	Cs1g01760.1/Cs1g017	8.59	0	0	2	MASCOT	T	PLEX8
8.73E-02	0|0	Cs1g01760.1/Cs1g017	8.59	0	0	2	MASCOT	T	PLEX8
1.68E-01	0|0	Cs1g01760.1/Cs1g017	8.59	0	0	2	MASCOT	T	
1.71E-01	0|0	Cs1g01760.1/Cs1g017	8.59	0	0	2	MASCOT	T	PLEX8
1.13E-01	0|0	Cs1g01760.1/Cs1g017	8.59	0	0	2	MASCOT	T	
1.25E-01	0|0	Cs1g01760.1/Cs1g017	8.59	0	0	2	MASCOT	T	PLEX8
1.91E-02	0|0	Cs1g01760.1/Cs1g017	8.2	0	0	2	MASCOT	T	PLEX8
1.32E-01	0|0	Cs1g01760.1/Cs1g017	8.2	0	0	2	MASCOT	T	
6.38E-03	0|0	Cs1g01760.1/Cs1g017	8.2	0	0	2	MASCOT	T	PLEX8
3.21E-02	0|0	Cs1g01760.1/Cs1g017	8.2	0	0	2	MASCOT	T	
3.67E-04	0|0	Cs1g01760.1/Cs1g017	8.2	0	0	2	MASCOT	T	

2.74E-04 0|0	Cs1g01760.1/Cs1g017	8.2	0	0	2	MASCOT	T
2.93E-04 0|0	Cs1g01760.1/Cs1g017	8.2	0	0	2	MASCOT	T
3.80E-03 0|0	Cs1g01760.1/Cs1g017	8.2	0	0	2	MASCOT	T
2.06E-04 0|0	Cs1g01760.1/Cs1g017	8.2	0	0	2	MASCOT	T
7.69E-02 0|0	Cs1g01760.1/Cs1g017	8.2	0	0	2	MASCOT	T PLEX8
1.85E-01 0|0	Cs1g01760.1/Cs1g017	7.97	0	0	2	MASCOT	T PLEX8
1.38E-01 0|0	Cs1g01760.1/Cs1g017	7.97	0	0	2	MASCOT	T PLEX8
6.76E-02 0|0	Cs1g01760.1/Cs1g017	7.97	0	0	2	MASCOT	T PLEX8
1.66E-01 0|0	Cs1g01760.1/Cs1g017	8.41	0	0	2	MASCOT	T PLEX8
1.31E-01 0|0	Cs1g01760.1/Cs1g017	8.41	0	0	2	MASCOT	T PLEX8
2.74E-01 0|0	Cs1g01760.1/Cs1g017	6	0	0	2	MASCOT	T PLEX8
1.64E-03 0|0	Cs1g01760.1/Cs1g017	6	0	0	2	MASCOT	T PLEX8
8.55E-05 0|0	Cs1g01760.1/Cs1g017	6	0	0	2	MASCOT	T PLEX8
6.85E-02 0|0	Cs1g01760.1/Cs1g017	6	0	0	2	MASCOT	T PLEX8
2.92E-02 0|0	Cs1g01760.1/Cs1g017	6	0	0	2	MASCOT	T PLEX8
9.11E-04 0|0	Cs1g01760.1/Cs1g017	6	0	0	2	MASCOT	T
4.98E-02 0|0	Cs1g01760.1/Cs1g017	6	0	0	2	MASCOT	T
5.20E-04 0|0	Cs1g01760.1/Cs1g017	6	0	0	2	MASCOT	T
2.21E-02 0|0	Cs1g01760.1/Cs1g017	6	0	0	2	MASCOT	T PLEX8
3.96E-01 0|0	Cs7g32500.1/Cs7g325	8.75	0	0	2	MASCOT	T PLEX8
3.88E-02 0|0	Cs8g09020.1	4.53	0	0	2	MASCOT	T PLEX8
1.30E-07 0|0	Cs8g09020.1	4.53	0	0	2	MASCOT	T PLEX8
7.41E-04 0|0	Cs8g09020.1	4.53	0	0	2	MASCOT	T
5.91E-04 0|0	Cs8g09020.1	4.53	0	0	2	MASCOT	T PLEX8
4.42E-01 0|0	Cs8g09020.1	6	0	0	2	MASCOT	T PLEX8
4.56E-03 0|0	Cs8g09020.1	6	0	0	2	MASCOT	T PLEX8
2.40E-03 0|0	Cs8g09020.1	6	0	0	2	MASCOT	T PLEX8
1.20E-02 0|0	Cs8g09020.1	6	0	0	2	MASCOT	T PLEX8
4.04E-06 0|0	Cs8g09020.1	6	0	0	2	MASCOT	T PLEX8
4.23E-05 0|0	Cs8g09020.1	6	0	0	2	MASCOT	T PLEX8
4.39E-03 0|0	Cs8g09020.1	6	0	0	2	MASCOT	T PLEX8
1.93E-02 0|0	Cs8g09020.1	6	0	0	2	MASCOT	T PLEX8
5.63E-03 0|0	Cs8g09020.1	6	0	0	2	MASCOT	T PLEX8
1.54E-02 0|0	Cs8g09020.1	6	0	0	2	MASCOT	T PLEX8
4.12E-04 0|0	Cs8g09020.1	4.21	0	0	2	MASCOT	T PLEX8
1.43E-03 0|0	Cs8g09020.1	4.21	0	0	2	MASCOT	T PLEX8
2.36E-03 0|0	Cs8g09020.1	4.21	0	0	2	MASCOT	T PLEX8
1.55E-03 0|0	Cs8g09020.1	4.21	0	0	2	MASCOT	T PLEX8
6.41E-02 0|0	Cs8g09020.1	4.21	0	0	2	MASCOT	T PLEX8
5.68E-01 0|0	Cs8g09020.1	4.21	0	0	2	MASCOT	T PLEX8
2.01E-01 0|0	Cs8g09020.1	4.21	0	0	2	MASCOT	T PLEX8
1.16E-01 0|0	Cs8g09020.1	4.21	0	0	2	MASCOT	T PLEX8
3.62E-01 0|0	Cs8g09020.1	4.21	0	0	2	MASCOT	T PLEX8
5.76E-02 0|0	Cs8g09020.1	4.21	0	0	2	MASCOT	T PLEX8
1.94E-02 0|0	Cs8g09020.1	4.21	0	0	2	MASCOT	T
2.05E-02 0|0	Cs8g09020.1	5.84	0	0	2	MASCOT	T PLEX8
5.86E-03 0|0	Cs8g09020.1	5.84	0	0	2	MASCOT	T PLEX8
1.27E-03 0|0	Cs8g09020.1	5.84	0	0	2	MASCOT	T PLEX8
7.17E-03 0|0	Cs8g09020.1	5.84	0	0	2	MASCOT	T PLEX8
5.17E-05 0|0	Cs8g09020.1	4.03	0	0	2	MASCOT	T PLEX8
6.41E-02 0|0	Cs8g09020.1	4.03	0	0	2	MASCOT	T PLEX8

3.37E-01 0|0	Cs8g09020.1	4.03	0	0	2 MASCOT	T	PLEX8
8.29E-04 0|0	Cs8g09020.1	4.03	0	0	2 MASCOT	T	
1.18E-04 0|0	Cs8g09020.1	4.03	0	0	2 MASCOT	T	
5.80E-04 0|0	Cs8g09020.1	4.03	0	0	2 MASCOT	T	
1.19E-02 0|0	Cs8g09020.1	4.03	0	0	2 MASCOT	T	
5.14E-02 0|0	Cs8g09020.1	5.5	0	0	2 MASCOT	T	PLEX8
5.54E-03 0|0	Cs8g09020.1	5.5	0	0	2 MASCOT	T	PLEX8
2.83E-02 0|0	Cs8g09020.1	5.5	0	0	2 MASCOT	T	PLEX8
3.64E-01 0|0	Cs8g09020.1	5.5	0	0	2 MASCOT	T	PLEX8
1.01E-01 0|0	Cs8g09020.1	5.5	0	0	2 MASCOT	T	PLEX8
6.90E-02 0|0	Cs8g09020.1	5.5	0	0	2 MASCOT	T	PLEX8
2.53E-01 0|0	Cs8g09020.1	5.5	0	0	2 MASCOT	T	PLEX8
3.11E-03 0|0	Cs8g09020.1	5.4	0	0	2 MASCOT	T	PLEX8
4.73E-03 0|0	Cs8g09020.1	5.4	0	0	2 MASCOT	T	PLEX8
4.69E-04 0|0	Cs8g09020.1	5.4	0	0	2 MASCOT	T	PLEX8
1.31E-03 0|0	Cs8g09020.1	5.4	0	0	2 MASCOT	T	PLEX8
5.21E-04 0|0	Cs8g09020.1	5.4	0	0	2 MASCOT	T	PLEX8
1.34E-03 0|0	Cs8g09020.1	5.4	0	0	2 MASCOT	T	PLEX8
1.06E-05 0|0	Cs8g09020.1	5.4	0	0	2 MASCOT	T	
4.18E-04 0|0	Cs8g09020.1	5.4	0	0	2 MASCOT	T	PLEX8
6.35E-07 0|0	Cs8g09020.1	5.4	0	0	2 MASCOT	T	PLEX8
1.67E-04 0|0	Cs8g09020.1	5.4	0	0	2 MASCOT	T	PLEX8
4.05E-05 0|0	Cs8g09020.1	5.4	0	0	2 MASCOT	T	PLEX8
4.20E-02 0|0	Cs8g09020.1	5.4	0	0	2 MASCOT	T	
1.39E-01 0|0	Cs8g09020.1	5.4	0	0	2 MASCOT	T	PLEX8
5.41E-02 0|0	Cs8g09020.1	5.4	0	0	2 MASCOT	T	PLEX8
3.29E-04 0|0	Cs8g09020.1	5.4	0	0	2 MASCOT	T	PLEX8
6.24E-03 0|0	Cs8g09020.1	5.4	0	0	2 MASCOT	T	
2.80E-02 0|0	Cs8g09020.1	5.4	0	0	2 MASCOT	T	
1.20E-08 0|0	Cs8g09020.1	5.4	0	0	2 MASCOT	T	
2.16E-03 0|0	Cs8g09020.1	5.4	0	0	2 MASCOT	T	
1.31E-02 0|0	Cs8g09020.1	5.4	0	0	2 MASCOT	T	
2.15E-08 0|0	Cs8g09020.1	5.4	0	0	2 MASCOT	T	
5.59E-02 0|0	Cs8g09020.1	6.75	0	0	2 MASCOT	T	PLEX8
6.12E-02 0|0	Cs8g09020.1	6.75	0	0	2 MASCOT	T	PLEX8
7.25E-02 0|0	Cs8g09020.1	6.75	0	0	2 MASCOT	T	PLEX8
6.25E-02 0|0	Cs8g09020.1	6.75	0	0	2 MASCOT	T	PLEX8
1.37E-02 0|0	Cs8g09020.1	6.75	0	0	2 MASCOT	T	PLEX8
9.57E-02 0|0	Cs8g09020.1	4.54	0	0	2 MASCOT	T	PLEX8
8.58E-03 0|0	Cs8g09020.1	4.54	0	0	2 MASCOT	T	
1.47E-01 0|0	Cs8g09020.1	4.54	0	0	2 MASCOT	T	PLEX8
3.13E-03 0|0	Cs8g09020.1	4.54	0	0	2 MASCOT	T	PLEX8
9.23E-02 0|0	Cs8g09020.1	4.54	0	0	2 MASCOT	T	PLEX8
4.07E-04 0|0	Cs8g09020.1	4.54	0	0	2 MASCOT	T	PLEX8
1.80E-04 0|0	Cs8g09020.1	4.54	0	0	2 MASCOT	T	PLEX8
7.71E-02 0|0	Cs8g09020.1	4.54	0	0	2 MASCOT	T	PLEX8
4.76E-02 0|0	Cs8g09020.1	4.54	0	0	2 MASCOT	T	PLEX8
2.17E-05 0|0	Cs8g09020.1	6	0	0	2 MASCOT	T	PLEX8
4.35E-04 0|0	Cs8g09020.1	6	0	0	2 MASCOT	T	PLEX8
4.00E-05 0|0	Cs8g09020.1	6	0	0	2 MASCOT	T	PLEX8
9.47E-04 0|0	Cs8g09020.1	6	0	0	2 MASCOT	T	PLEX8

3.84E-04 0|0	Cs8g09020.1	6	0	0	2 MASCOT	T	PLEX8	
1.61E-03 0|0	Cs8g09020.1	6	0	0	2 MASCOT	T	PLEX8	
2.82E-03 0|0	Cs8g09020.1	5.99	0	0	2 MASCOT	T	PLEX8	
3.02E-01 0|0	Cs8g09020.1	5.99	0	0	2 MASCOT	T	PLEX8	
3.32E-05 0|0	Cs8g09020.1	5.99	0	0	2 MASCOT	T	PLEX8	
1.10E-08 0|0	Cs8g09020.1	5.99	0	0	2 MASCOT	T	PLEX8	
2.20E-02 0|0	Cs8g09020.1	5.38	1	0	2 MASCOT	T	PLEX8	
2.88E-02 0|0	Cs8g09020.1	5.38	1	0	2 MASCOT	T	PLEX8	
1.25E-02 0|0	Cs8g09020.1	5.38	1	0	2 MASCOT	T		
1.38E-04 0|0	Cs9g14620.1	4.23	1	0	2 MASCOT	T	PLEX8	
4.29E-02 0|0	Cs9g14620.1	4.23	1	0	2 MASCOT	T	PLEX8	
7.21E-02 0|0	Cs9g14620.1	4.23	1	0	2 MASCOT	T	PLEX8	
7.26E-02 0|0	Cs9g14620.1	4.23	1	0	2 MASCOT	T	PLEX8	
7.77E-02 0|0	Cs9g14620.1	4.23	1	0	2 MASCOT	T		
1.45E-05 0|0	Cs9g14620.1	4.23	1	0	2 MASCOT	T		
3.65E-01 0|0	Cs9g03530.1/Cs9g035	6.1	0	15.9	0	2 MASCOT	T	PLEX8
2.05E-01 0|0	Cs9g03530.1/Cs9g035	6.1	0	15.9	0	2 MASCOT	T	PLEX8
2.11E-01 0|0	Cs9g03530.1/Cs9g035	6.1	0	15.9	0	2 MASCOT	T	PLEX8
4.50E-01 0|0	Cs9g03530.1/Cs9g035	6.1	0	15.9	0	2 MASCOT	T	PLEX8
3.17E-02 0|0	Cs9g03530.1/Cs9g035	6.1	0	0	2 MASCOT	T	PLEX8	
1.01E-01 0|0	Cs9g03530.1/Cs9g035	6.1	0	0	2 MASCOT	T	PLEX8	
2.04E-01 0|0	Cs9g03530.1/Cs9g035	6.1	0	0	2 MASCOT	T	PLEX8	
3.55E-01 0|0	Cs9g03530.1/Cs9g035	6.1	0	0	2 MASCOT	T	PLEX8	
4.65E-01 0|0	Cs9g03530.1/Cs9g035	6.1	0	0	2 MASCOT	T	PLEX8	
5.46E-02 0|0	Cs9g03530.1/Cs9g035	6.1	0	0	2 MASCOT	T	PLEX8	
3.68E-01 0|0	Cs9g03530.1/Cs9g035	6.1	0	0	2 MASCOT	T	PLEX8	
1.51E-04 0|0	Cs9g03530.1/Cs9g035	4.54	0	0	2 MASCOT	T	PLEX8	
8.15E-06 0|0	Cs9g03530.1/Cs9g035	4.54	0	0	2 MASCOT	T	PLEX8	
1.30E-07 0|0	Cs9g03530.1/Cs9g035	4.54	0	0	2 MASCOT	T	PLEX8	
2.58E-04 0|0	Cs9g03530.1/Cs9g035	4.54	0	0	2 MASCOT	T	PLEX8	
9.86E-09 0|0	Cs9g03530.1/Cs9g035	4.54	0	0	2 MASCOT	T	PLEX8	
2.47E-02 0|0	Cs9g03530.1/Cs9g035	4.54	0	0	2 MASCOT	T	PLEX8	
2.75E-04 0|0	Cs9g03530.1/Cs9g035	4.54	0	0	2 MASCOT	T	PLEX8	
1.79E-02 0|0	Cs9g03530.1/Cs9g035	4.54	0	0	2 MASCOT	T	PLEX8	
2.65E-07 0|0	Cs9g03530.1/Cs9g035	4.54	0	0	2 MASCOT	T	PLEX8	
2.04E-03 0|0	Cs9g03530.1/Cs9g035	4.54	0	0	2 MASCOT	T		
4.32E-02 0|0	Cs9g03530.1/Cs9g035	4.54	0	0	2 MASCOT	T	PLEX8	
2.05E-05 0|0	Cs9g03530.1/Cs9g035	4.54	0	0	2 MASCOT	T	PLEX8	
1.24E-05 0|0	Cs9g03530.1/Cs9g035	4.54	0	0	2 MASCOT	T	PLEX8	
1.53E-07 0|0	Cs9g03530.1/Cs9g035	4.54	0	0	2 MASCOT	T	PLEX8	
2.07E-08 0|0	Cs9g03530.1/Cs9g035	4.54	0	0	2 MASCOT	T	PLEX8	
1.03E-06 0|0	Cs9g03530.1/Cs9g035	4.54	0	0	2 MASCOT	T	PLEX8	
7.18E-06 0|0	Cs9g03530.1/Cs9g035	4.54	0	0	2 MASCOT	T	PLEX8	
2.30E-04 0|0	Cs9g03530.1/Cs9g035	4.54	0	0	2 MASCOT	T		
2.42E-02 0|0	Cs9g03530.1/Cs9g035	4.54	0	0	2 MASCOT	T		
1.09E-04 0|0	Cs9g03530.1/Cs9g035	4.54	0	0	2 MASCOT	T		
5.91E-06 0|0	Cs9g03530.1/Cs9g035	4.54	0	0	2 MASCOT	T		
7.34E-03 0|0	Cs9g14620.1	8.22	0	0	2 MASCOT	T	PLEX8	
1.30E-03 0|0	Cs9g14620.1	8.22	0	0	2 MASCOT	T	PLEX8	
1.82E-02 0|0	Cs9g14620.1	8.22	0	0	2 MASCOT	T	PLEX8	
5.10E-04 0|0	Cs9g14620.1	8.22	0	0	2 MASCOT	T	PLEX8	

1.61E-01	0|0	Cs9g14620.1	8.22	0	0	2	MASCOT	T	PLEX8	
9.72E-03	0|0	Cs9g14620.1	8.22	0	0	2	MASCOT	T	PLEX8	
5.45E-02	0|0	Cs9g14620.1	8.22	0	0	2	MASCOT	T	PLEX8	
2.22E-02	0|0	Cs9g14620.1	8.22	0	0	2	MASCOT	T	PLEX8	
6.15E-04	0|0	Cs9g14620.1	8.22	0	0	2	MASCOT	T	PLEX8	
2.10E-03	0|0	Cs9g14620.1	8.22	0	0	2	MASCOT	T	PLEX8	
7.95E-02	0|0	Cs9g14620.1	8.22	0	0	2	MASCOT	T	PLEX8	
2.13E-01	0|0	Cs9g14620.1	8.22	0	0	2	MASCOT	T	PLEX8	
1.50E-03	0|0	Cs9g14620.1	8.22	0	0	2	MASCOT	T	PLEX8	
2.45E-01	0|0	Cs9g03530.1/Cs9g035	5.99	0	0	2	MASCOT	T	PLEX8	
2.25E-03	0|0	Cs9g03530.1/Cs9g035	5.99	0	0	2	MASCOT	T	PLEX8	
2.18E-04	0|0	Cs9g03530.1/Cs9g035	5.99	0	0	2	MASCOT	T	PLEX8	
6.96E-05	0|0	Cs9g03530.1/Cs9g035	5.99	0	0	2	MASCOT	T	PLEX8	
1.27E-03	0|0	Cs9g03530.1/Cs9g035	5.99	0	0	2	MASCOT	T	PLEX8	
5.00E-05	0|0	Cs9g03530.1/Cs9g035	5.99	0	0	2	MASCOT	T	PLEX8	
2.12E-03	0|0	Cs9g03530.1/Cs9g035	5.99	0	0	2	MASCOT	T	PLEX8	
4.51E-02	0|0	Cs9g03530.1/Cs9g035	5.99	0	0	2	MASCOT	T	PLEX8	
3.49E-03	0|0	Cs9g03530.1/Cs9g035	5.99	0	0	2	MASCOT	T	PLEX8	
2.25E-04	0|0	Cs9g03530.1/Cs9g035	5.99	0	0	2	MASCOT	T	PLEX8	
1.18E-01	0|0	Cs9g03530.1/Cs9g035	5.99	0	0	2	MASCOT	T	PLEX8	
1.02E-01	0|0	Cs9g03530.1/Cs9g035	5.99	0	0	2	MASCOT	T	PLEX8	
1.73E-03	0|0	Cs9g03530.1/Cs9g035	5.99	0	0	2	MASCOT	T	PLEX8	
1.39E-06	0|0	Cs9g03530.1/Cs9g035	5.99	0	0	2	MASCOT	T	PLEX8	
3.51E-02	0|0	Cs9g03530.1/Cs9g035	5.99	0	0	2	MASCOT	T	PLEX8	
3.36E-03	0|0	Cs9g03530.1/Cs9g035	5.99	0	0	2	MASCOT	T	PLEX8	
4.24E-03	0|0	Cs9g03530.1/Cs9g035	5.99	0	0	2	MASCOT	T		
9.46E-02	0|0	Cs9g03530.1/Cs9g035	5.55	0	0	2	MASCOT	T	PLEX8	
9.18E-02	0|0	Cs9g03530.1/Cs9g035	5.55	0	0	2	MASCOT	T	PLEX8	
1.60E-01	0|0	Cs9g14620.1	4.37	0	0	2	MASCOT	T	PLEX8	
5.76E-01	0|0	Cs9g03530.1/Cs9g035	4.37	0	0	2	MASCOT	T	PLEX8	
3.88E-01	0|0	Cs9g03530.1/Cs9g035	4.37	0	0	2	MASCOT	T	PLEX8	
3.26E-01	0|0	Cs9g03530.1/Cs9g035	4.37	0	0	2	MASCOT	T	PLEX8	
3.34E-01	0|0	Cs9g03530.1/Cs9g035	4.37	0	0	2	MASCOT	T		
3.48E-04	0|0	Cs9g14620.1	4.14	0	15.9	0	2	MASCOT	T	PLEX8
5.03E-05	0|0	Cs9g14620.1	4.14	0	0	2	MASCOT	T	PLEX8	
4.93E-05	0|0	Cs9g03530.1/Cs9g035	5.83	0	15.9	0	2	MASCOT	T	
6.79E-05	0|0	Cs9g03530.1/Cs9g035	5.83	0	15.9	0	2	MASCOT	T	
2.76E-07	0|0	Cs9g03530.1/Cs9g035	5.83	0	15.9	0	2	MASCOT	T	
6.96E-03	0|0	Cs9g03530.1/Cs9g035	5.83	0	15.9	0	2	MASCOT	T	
2.64E-05	0|0	Cs9g03530.1/Cs9g035	5.83	0	15.9	0	2	MASCOT	T	
4.19E-06	0|0	Cs9g03530.1/Cs9g035	5.83	0	0	2	MASCOT	T		
5.19E-05	0|0	Cs9g03530.1/Cs9g035	5.83	0	0	2	MASCOT	T		
4.75E-06	0|0	Cs9g03530.1/Cs9g035	5.83	0	0	2	MASCOT	T		
1.04E-05	0|0	Cs9g03530.1/Cs9g035	5.83	0	0	2	MASCOT	T	PLEX8	
1.48E-03	0|0	Cs9g14620.1	4.68	1	0	2	MASCOT	T	PLEX8	
7.96E-03	0|0	Cs9g14620.1	4.68	1	0	2	MASCOT	T	PLEX8	
2.08E-01	0|0	Cs9g03530.1/Cs9g035	4.37	0	0	2	MASCOT	T	PLEX8	
5.40E-02	0|0	Cs9g03530.1/Cs9g035	4.37	0	0	2	MASCOT	T	PLEX8	
3.26E-02	0|0	Cs9g03530.1/Cs9g035	9.47	0	0	2	MASCOT	T	PLEX8	
4.69E-03	0|0	Cs9g03530.1/Cs9g035	9.47	0	0	2	MASCOT	T	PLEX8	
9.10E-02	0|0	Cs6g10080.1/Cs6g100	5.84	0	0	2	MASCOT	T	PLEX8	

6.55E-02	0|0	Cs6g10080.1/Cs6g100	5.84	0	0	2	MASCOT	T	PLEX8	
1.85E-01	0|0	Cs6g10080.1/Cs6g100	5.84	0	0	2	MASCOT	T	PLEX8	
1.15E-01	0|0	Cs6g10080.1/Cs6g100	5.84	0	0	2	MASCOT	T	PLEX8	
1.46E-01	0|0	Cs6g10080.1/Cs6g100	5.84	0	0	2	MASCOT	T	PLEX8	
1.72E-01	0|0	Cs6g10080.1/Cs6g100	5.84	0	0	2	MASCOT	T	PLEX8	
5.77E-02	0|0	Cs6g10080.1/Cs6g100	5.84	0	0	2	MASCOT	T	PLEX8	
1.13E-01	0|0	Cs6g10080.1/Cs6g100	5.84	0	0	2	MASCOT	T	PLEX8	
1.17E-01	0|0	Cs6g10080.1/Cs6g100	5.84	0	0	2	MASCOT	T	PLEX8	
4.78E-01	0|0	Cs6g10080.1/Cs6g100	5.84	0	0	2	MASCOT	T	PLEX8	
3.87E-01	0|0	Cs6g10080.1/Cs6g100	5.84	0	0	2	MASCOT	T	PLEX8	
1.02E-01	0|0	Cs6g10080.1/Cs6g100	5.84	0	0	2	MASCOT	T	PLEX8	
1.87E-01	0|0	Cs6g10080.1/Cs6g100	5.84	0	0	2	MASCOT	T	PLEX8	
1.28E-01	0|0	Cs6g10080.1/Cs6g100	5.84	0	0	2	MASCOT	T	PLEX8	
1.52E-01	0|0	Cs6g10080.1/Cs6g100	4.14	0	0	2	MASCOT	T	PLEX8	
1.41E-01	0|0	Cs6g10070.1/Cs6g100	4.25	0	0	2	MASCOT	T	PLEX8	
1.43E-01	0|0	Cs6g10070.1/Cs6g100	4.25	0	0	2	MASCOT	T	PLEX8	
9.82E-02	0|0	Cs6g10070.1/Cs6g100	4.25	0	0	2	MASCOT	T	PLEX8	
1.99E-02	0|0	Cs6g10070.1/Cs6g100	4.25	0	0	2	MASCOT	T	PLEX8	
1.33E-01	0|0	Cs6g10070.1/Cs6g100	4.25	0	0	2	MASCOT	T	PLEX8	
2.78E-01	0|0	Cs6g10080.1/Cs6g100	4.53	0	0	2	MASCOT	T	PLEX8	
1.19E-01	0|0	Cs6g10080.1/Cs6g100	4.53	0	0	2	MASCOT	T	PLEX8	
2.72E-01	0|0	Cs6g10080.1/Cs6g100	4.53	0	0	2	MASCOT	T	PLEX8	
3.59E-01	0|0	Cs6g10080.1/Cs6g100	4.53	0	0	2	MASCOT	T	PLEX8	
2.28E-01	0|0	Cs6g10080.1/Cs6g100	4.53	0	0	2	MASCOT	T	PLEX8	
3.88E-05	0|0	Cs6g10080.1/Cs6g100	9.75	0	0	2	MASCOT	T		
2.42E-03	0|0	Cs6g10080.1/Cs6g100	4.53	0	15.9	0	2	MASCOT	T	PLEX8
8.58E-03	0|0	Cs6g10080.1/Cs6g100	4.53	0	15.9	0	2	MASCOT	T	PLEX8
7.79E-05	0|0	Cs6g10080.1/Cs6g100	4.53	0	15.9	0	2	MASCOT	T	PLEX8
4.77E-02	0|0	Cs6g10080.1/Cs6g100	4.53	0	15.9	0	2	MASCOT	T	PLEX8
2.21E-03	0|0	Cs6g10080.1/Cs6g100	4.53	0	15.9	0	2	MASCOT	T	PLEX8
3.29E-01	0|0	Cs6g10080.1/Cs6g100	4.53	0	0	2	MASCOT	T	PLEX8	
4.54E-02	0|0	Cs6g10080.1/Cs6g100	4.53	0	0	2	MASCOT	T	PLEX8	
1.65E-04	0|0	Cs6g10080.1/Cs6g100	4.53	0	0	2	MASCOT	T	PLEX8	
3.78E-04	0|0	Cs6g10080.1/Cs6g100	4.53	0	0	2	MASCOT	T	PLEX8	
1.83E-07	0|0	Cs6g10080.1/Cs6g100	4.53	0	0	2	MASCOT	T	PLEX8	
2.68E-03	0|0	Cs6g10080.1/Cs6g100	4.53	0	0	2	MASCOT	T	PLEX8	
3.83E-05	0|0	Cs6g10080.1/Cs6g100	4.53	0	0	2	MASCOT	T	PLEX8	
4.70E-03	0|0	Cs6g10080.1/Cs6g100	4.53	0	0	2	MASCOT	T	PLEX8	
3.89E-03	0|0	Cs6g10080.1/Cs6g100	4.53	0	0	2	MASCOT	T	PLEX8	
2.09E-04	0|0	Cs6g10080.1/Cs6g100	4.53	0	0	2	MASCOT	T	PLEX8	
5.89E-04	0|0	Cs6g10080.1/Cs6g100	4.53	0	0	2	MASCOT	T	PLEX8	
2.13E-02	0|0	Cs6g10070.1/Cs6g100	9.75	0	0	2	MASCOT	T	PLEX8	
1.60E-01	0|0	Cs6g10070.1/Cs6g100	9.75	0	0	2	MASCOT	T	PLEX8	
1.61E-01	0|0	Cs6g10070.1/Cs6g100	9.75	0	0	2	MASCOT	T	PLEX8	
1.92E-01	0|0	Cs6g10070.1/Cs6g100	9.75	0	0	2	MASCOT	T	PLEX8	
8.05E-03	0|0	Cs6g10070.1/Cs6g100	4.25	0	0	2	MASCOT	T	PLEX8	
9.47E-04	0|0	Cs6g10070.1/Cs6g100	4.25	0	0	2	MASCOT	T	PLEX8	
9.51E-02	0|0	Cs6g10070.1/Cs6g100	4.25	0	0	2	MASCOT	T	PLEX8	
3.00E-01	0|0	Cs6g10070.1/Cs6g100	4.25	0	0	2	MASCOT	T	PLEX8	
2.62E-01	0|0	Cs6g10080.1/Cs6g100	8.41	0	0	2	MASCOT	T	PLEX8	
8.01E-02	0|0	Cs6g10080.1/Cs6g100	8.41	0	0	2	MASCOT	T	PLEX8	

5.22E-01	0|0	Cs6g10080.1/Cs6g100	8.41	0	0	2	MASCOT	T		
3.62E-01	0|0	Cs6g10080.1/Cs6g100	4.25	0	0	2	MASCOT	T	PLEX8	
3.69E-02	0|0	Cs6g10080.1/Cs6g100	4.25	0	0	2	MASCOT	T	PLEX8	
3.48E-01	0|0	Cs6g10080.1/Cs6g100	4.25	0	0	2	MASCOT	T	PLEX8	
9.32E-02	0|0	Cs6g10080.1/Cs6g100	4.25	0	0	2	MASCOT	T	PLEX8	
3.03E-01	0|0	Cs6g10080.1/Cs6g100	4.25	0	0	2	MASCOT	T	PLEX8	
3.38E-03	0|0	Cs6g10080.1/Cs6g100	4.25	0	0	2	MASCOT	T	PLEX8	
4.66E-05	0|0	Cs6g10080.1/Cs6g100	4.25	0	0	2	MASCOT	T	PLEX8	
3.13E-01	0|0	Cs6g10080.1/Cs6g100	4.25	0	0	2	MASCOT	T	PLEX8	
1.89E-05	0|0	Cs6g10080.1/Cs6g100	4.25	0	0	2	MASCOT	T	PLEX8	
4.88E-02	0|0	Cs6g10080.1/Cs6g100	4.25	0	0	2	MASCOT	T	PLEX8	
4.13E-02	0|0	Cs6g10080.1/Cs6g100	4.25	0	0	2	MASCOT	T	PLEX8	
1.88E-02	0|0	Cs6g10080.1/Cs6g100	4.25	0	0	2	MASCOT	T	PLEX8	
2.08E-03	0|0	Cs6g10080.1/Cs6g100	4.25	0	0	2	MASCOT	T	PLEX8	
7.39E-06	0|0	Cs6g10080.1/Cs6g100	4.25	0	0	2	MASCOT	T	PLEX8	
6.18E-03	0|0	Cs6g10080.1/Cs6g100	4.25	0	0	2	MASCOT	T	PLEX8	
1.56E-02	0|0	Cs6g10080.1/Cs6g100	4.25	0	0	2	MASCOT	T		
6.08E-02	0|0	Cs6g10080.1/Cs6g100	4.25	0	0	2	MASCOT	T		
7.30E-01	0|0	Cs6g10080.1/Cs6g100	8.8	0	0	2	MASCOT	T	PLEX8	
8.30E-01	0|0	Cs6g10080.1/Cs6g100	6	0	0	2	MASCOT	T	PLEX8	
6.92E-01	0|0	Cs6g10080.1/Cs6g100	6	0	0	2	MASCOT	T	PLEX8	
1.69E-02	0|0	Cs6g10080.1/Cs6g100	4.14	1	15.9	0	2	MASCOT	T	PLEX8
1.49E-02	0|0	Cs6g10080.1/Cs6g100	4.14	1	0	2	MASCOT	T	PLEX8	
2.30E-02	0|0	Cs6g10080.1/Cs6g100	4.14	1	0	2	MASCOT	T		
7.31E-03	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	PLEX8	
4.80E-03	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	PLEX8	
3.22E-04	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	PLEX8	
1.19E-03	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	PLEX8	
2.35E-03	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	PLEX8	
2.57E-04	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	PLEX8	
1.20E-03	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	PLEX8	
2.44E-05	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	PLEX8	
3.25E-04	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T		
6.28E-06	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	PLEX8	
2.48E-03	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T		
2.90E-05	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T		
1.03E-03	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T		
2.82E-03	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T		
1.54E-03	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T		
1.12E-04	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T		
7.95E-04	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T		
1.12E-01	0|0	Cs6g05890.1/Cs7g289	4.53	0	0	2	MASCOT	T	PLEX8	
4.05E-04	0|0	Cs6g05890.1/Cs7g289	5.84	0	0	2	MASCOT	T		
3.75E-03	0|0	Cs6g05890.1/Cs7g289	5.84	0	0	2	MASCOT	T		
8.20E-06	0|0	Cs6g05890.1/Cs7g289	4.53	0	0	2	MASCOT	T	PLEX8	
1.27E-04	0|0	Cs6g05890.1/Cs7g289	4.53	0	0	2	MASCOT	T	PLEX8	
1.11E-01	0|0	Cs6g05890.1/Cs7g289	4.53	0	0	2	MASCOT	T	PLEX8	
1.48E-01	0|0	Cs6g05890.1/Cs7g289	4.53	0	0	2	MASCOT	T	PLEX8	
2.10E-02	0|0	Cs6g05890.1/Cs7g289	4.53	0	0	2	MASCOT	T	PLEX8	
6.37E-02	0|0	Cs6g05890.1/Cs7g289	4.53	0	0	2	MASCOT	T	PLEX8	
1.17E-01	0|0	Cs6g05890.1/Cs7g289	4.53	0	0	2	MASCOT	T	PLEX8	

7.03E-03	0|0	Cs6g05890.1/Cs7g289	4.53	0	0	2	MASCOT	T	PLEX8	
7.32E-03	0|0	Cs6g05890.1/Cs7g289	6	0	0	2	MASCOT	T	PLEX8	
3.62E-03	0|0	Cs6g05890.1/Cs7g289	6	0	0	2	MASCOT	T	PLEX8	
1.07E-02	0|0	Cs6g05890.1/Cs7g289	6	0	0	2	MASCOT	T	PLEX8	
2.27E-03	0|0	Cs6g05890.1/Cs7g289	6	0	0	2	MASCOT	T	PLEX8	
6.36E-03	0|0	Cs6g05890.1/Cs7g289	6	0	0	2	MASCOT	T	PLEX8	
5.02E-02	0|0	Cs6g05890.1/Cs7g289	5.84	0	0	2	MASCOT	T	PLEX8	
2.46E-02	0|0	Cs6g05890.1/Cs7g289	5.84	0	0	2	MASCOT	T	PLEX8	
9.87E-03	0|0	Cs6g05890.1/Cs7g289	5.84	0	0	2	MASCOT	T		
1.01E-01	0|0	Cs6g05890.1/Cs7g289	5.84	0	0	2	MASCOT	T		
9.58E-04	0|0	Cs6g05890.1/Cs7g289	5.84	0	0	2	MASCOT	T	PLEX8	
5.56E-03	0|0	Cs6g05890.1/Cs7g289	5.84	0	0	2	MASCOT	T	PLEX8	
5.86E-02	0|0	Cs7g28940.1/Cs7g290	6.46	0	0	2	MASCOT	T	PLEX8	
2.17E-04	0|0	Cs7g28940.1/Cs7g290	6.46	0	0	2	MASCOT	T	PLEX8	
2.49E-01	0|0	Cs7g28940.1/Cs7g290	6.46	0	0	2	MASCOT	T	PLEX8	
3.46E-04	0|0	Cs7g28940.1/Cs7g290	6.46	0	0	2	MASCOT	T	PLEX8	
2.41E-03	0|0	Cs6g05890.1/Cs7g289	4.14	0	15.9	0	2	MASCOT	T	
1.31E-03	0|0	Cs6g05890.1/Cs7g289	4.14	0	15.9	0	2	MASCOT	T	
4.30E-05	0|0	Cs6g05890.1/Cs7g289	4.14	0	15.9	0	2	MASCOT	T	
2.53E-03	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	PLEX8	
9.99E-05	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	PLEX8	
2.21E-02	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	PLEX8	
9.07E-04	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	PLEX8	
3.84E-04	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T		
2.48E-06	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T		
6.64E-05	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T		
2.69E-04	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T		
5.09E-01	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T		
2.54E-01	0|0	Cs6g05890.1/Cs7g289	6.5	0	15.9	0	2	MASCOT	T	PLEX8
2.48E-01	0|0	Cs6g05890.1/Cs7g289	6.5	0	15.9	0	2	MASCOT	T	PLEX8
1.45E-01	0|0	Cs6g05890.1/Cs7g289	6.5	0	15.9	0	2	MASCOT	T	PLEX8
4.14E-03	0|0	Cs6g05890.1/Cs7g289	6.5	0	15.9	0	2	MASCOT	T	PLEX8
3.71E-02	0|0	Cs6g05890.1/Cs7g289	6.5	0	0	2	MASCOT	T	PLEX8	
3.84E-02	0|0	Cs6g05890.1/Cs7g289	6.5	0	0	2	MASCOT	T	PLEX8	
1.04E-01	0|0	Cs7g28940.1/Cs8g182	4.37	0	0	2	MASCOT	T	PLEX8	
1.77E-02	0|0	Cs7g28940.1/Cs8g182	4.37	0	0	2	MASCOT	T	PLEX8	
4.27E-04	0|0	Cs7g28940.1/Cs8g182	4.37	0	0	2	MASCOT	T	PLEX8	
4.02E-05	0|0	Cs7g28940.1/Cs8g182	4.37	0	0	2	MASCOT	T	PLEX8	
4.78E-02	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T		
3.94E-06	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T		
2.32E-02	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T		
6.87E-06	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T		
3.44E-02	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T		
1.67E-02	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T		
5.59E-02	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T		
7.31E-03	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	PLEX8	
4.80E-03	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	PLEX8	
3.22E-04	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	PLEX8	
1.19E-03	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	PLEX8	
2.35E-03	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	PLEX8	
2.57E-04	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	PLEX8	

1.20E-03	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	PLEX8
2.44E-05	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	PLEX8
3.25E-04	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	
6.28E-06	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	PLEX8
2.48E-03	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	
2.90E-05	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	
1.03E-03	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	
2.82E-03	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	
1.54E-03	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	
1.12E-04	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	
7.95E-04	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	
1.12E-01	0|0	Cs6g05890.1/Cs7g289	4.53	0	0	2	MASCOT	T	PLEX8
4.05E-04	0|0	Cs6g05890.1/Cs7g289	5.84	0	0	2	MASCOT	T	
3.75E-03	0|0	Cs6g05890.1/Cs7g289	5.84	0	0	2	MASCOT	T	
8.20E-06	0|0	Cs6g05890.1/Cs7g289	4.53	0	0	2	MASCOT	T	PLEX8
1.27E-04	0|0	Cs6g05890.1/Cs7g289	4.53	0	0	2	MASCOT	T	PLEX8
1.11E-01	0|0	Cs6g05890.1/Cs7g289	4.53	0	0	2	MASCOT	T	PLEX8
1.48E-01	0|0	Cs6g05890.1/Cs7g289	4.53	0	0	2	MASCOT	T	PLEX8
2.10E-02	0|0	Cs6g05890.1/Cs7g289	4.53	0	0	2	MASCOT	T	PLEX8
6.37E-02	0|0	Cs6g05890.1/Cs7g289	4.53	0	0	2	MASCOT	T	PLEX8
1.17E-01	0|0	Cs6g05890.1/Cs7g289	4.53	0	0	2	MASCOT	T	PLEX8
7.03E-03	0|0	Cs6g05890.1/Cs7g289	4.53	0	0	2	MASCOT	T	PLEX8
7.32E-03	0|0	Cs6g05890.1/Cs7g289	6	0	0	2	MASCOT	T	PLEX8
3.62E-03	0|0	Cs6g05890.1/Cs7g289	6	0	0	2	MASCOT	T	PLEX8
1.07E-02	0|0	Cs6g05890.1/Cs7g289	6	0	0	2	MASCOT	T	PLEX8
2.27E-03	0|0	Cs6g05890.1/Cs7g289	6	0	0	2	MASCOT	T	PLEX8
6.36E-03	0|0	Cs6g05890.1/Cs7g289	6	0	0	2	MASCOT	T	PLEX8
5.02E-02	0|0	Cs6g05890.1/Cs7g289	5.84	0	0	2	MASCOT	T	PLEX8
2.46E-02	0|0	Cs6g05890.1/Cs7g289	5.84	0	0	2	MASCOT	T	PLEX8
9.87E-03	0|0	Cs6g05890.1/Cs7g289	5.84	0	0	2	MASCOT	T	
1.01E-01	0|0	Cs6g05890.1/Cs7g289	5.84	0	0	2	MASCOT	T	
9.58E-04	0|0	Cs6g05890.1/Cs7g289	5.84	0	0	2	MASCOT	T	PLEX8
5.56E-03	0|0	Cs6g05890.1/Cs7g289	5.84	0	0	2	MASCOT	T	PLEX8
9.97E-04	0|0	Cs6g05890.1/Cs7g290	4.53	0	0	2	MASCOT	T	PLEX8
5.53E-03	0|0	Cs6g05890.1/Cs8g182	6.46	0	0	2	MASCOT	T	PLEX8
3.06E-05	0|0	Cs6g05890.1/Cs8g182	6.46	0	0	2	MASCOT	T	PLEX8
6.46E-03	0|0	Cs6g05890.1/Cs8g182	6.46	0	0	2	MASCOT	T	PLEX8
1.15E-01	0|0	Cs6g05890.1/Cs8g182	6.46	0	0	2	MASCOT	T	PLEX8
6.94E-02	0|0	Cs6g05890.1/Cs8g182	6.46	0	0	2	MASCOT	T	PLEX8
2.03E-01	0|0	Cs6g05890.1/Cs8g182	6.46	0	0	2	MASCOT	T	PLEX8
2.41E-03	0|0	Cs6g05890.1/Cs7g289	4.14	0	15.9	0	2	MASCOT	T
1.31E-03	0|0	Cs6g05890.1/Cs7g289	4.14	0	15.9	0	2	MASCOT	T
4.30E-05	0|0	Cs6g05890.1/Cs7g289	4.14	0	15.9	0	2	MASCOT	T
2.53E-03	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	PLEX8
9.99E-05	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	PLEX8
2.21E-02	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	PLEX8
9.07E-04	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	PLEX8
3.84E-04	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	
2.48E-06	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	
6.64E-05	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	
2.69E-04	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	

5.09E-01	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	
2.54E-01	0|0	Cs6g05890.1/Cs7g289	6.5	0	15.9	0	2	MASCOT	T PLEX8
2.48E-01	0|0	Cs6g05890.1/Cs7g289	6.5	0	15.9	0	2	MASCOT	T PLEX8
1.45E-01	0|0	Cs6g05890.1/Cs7g289	6.5	0	15.9	0	2	MASCOT	T PLEX8
4.14E-03	0|0	Cs6g05890.1/Cs7g289	6.5	0	15.9	0	2	MASCOT	T PLEX8
3.71E-02	0|0	Cs6g05890.1/Cs7g289	6.5	0	0	0	2	MASCOT	T PLEX8
3.84E-02	0|0	Cs6g05890.1/Cs7g289	6.5	0	0	0	2	MASCOT	T PLEX8
4.78E-02	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	0	2	MASCOT	T
3.94E-06	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	0	2	MASCOT	T
2.32E-02	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	0	2	MASCOT	T
6.87E-06	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	0	2	MASCOT	T
3.44E-02	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	0	2	MASCOT	T
1.67E-02	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	0	2	MASCOT	T
5.59E-02	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	0	2	MASCOT	T
2.20E-01	0|0	Cs2g11440.1/Cs2g114	5.88	0	0	0	2	MASCOT	T
4.69E-02	0|0	Cs2g11440.1/Cs2g114	5.88	0	0	0	2	MASCOT	T PLEX8
9.91E-02	0|0	Cs2g11440.1/Cs2g114	5.88	0	0	0	2	MASCOT	T PLEX8
3.93E-01	0|0	Cs2g11440.1/Cs2g114	5.88	0	0	0	2	MASCOT	T
3.60E-04	0|0	Cs2g11440.1/Cs2g114	4.21	0	0	0	2	MASCOT	T PLEX8
5.56E-03	0|0	Cs2g11440.1/Cs2g114	4.21	0	0	0	2	MASCOT	T PLEX8
1.70E-02	0|0	Cs2g11440.1/Cs2g114	4.21	0	0	0	2	MASCOT	T PLEX8
4.38E-03	0|0	Cs2g11440.1/Cs2g114	8.26	0	0	0	2	MASCOT	T PLEX8
6.43E-02	0|0	Cs2g11440.1/Cs2g114	8.26	0	0	0	2	MASCOT	T PLEX8
3.17E-02	0|0	Cs2g11440.1/Cs2g114	8.26	0	0	0	2	MASCOT	T PLEX8
7.37E-02	0|0	Cs2g11440.1/Cs2g114	8.26	0	0	0	2	MASCOT	T PLEX8
5.17E-03	0|0	Cs2g11440.1/Cs2g114	8.25	0	15.9	0	2	MASCOT	T PLEX8
1.56E-02	0|0	Cs2g11440.1/Cs2g114	8.25	0	15.9	0	2	MASCOT	T PLEX8
3.95E-05	0|0	Cs2g11440.1/Cs2g114	8.25	0	0	0	2	MASCOT	T PLEX8
4.14E-02	0|0	Cs2g11440.1/Cs2g114	5.84	0	0	0	2	MASCOT	T PLEX8
5.36E-01	0|0	Cs2g11440.1/Cs2g114	5.84	0	0	0	2	MASCOT	T PLEX8
1.97E-02	0|0	Cs2g11440.1/Cs2g114	5.84	0	0	0	2	MASCOT	T PLEX8
3.15E-03	0|0	Cs2g11440.1/Cs2g114	6.66	0	0	0	2	MASCOT	T PLEX8
6.45E-03	0|0	Cs2g11440.1/Cs2g114	6.66	0	0	0	2	MASCOT	T PLEX8
6.50E-05	0|0	Cs2g11440.1/Cs2g114	6.66	0	0	0	2	MASCOT	T PLEX8
4.34E-04	0|0	Cs2g11440.1/Cs2g114	6.66	0	0	0	2	MASCOT	T PLEX8
1.26E-03	0|0	Cs2g11440.1/Cs2g114	6.66	0	0	0	2	MASCOT	T
2.85E-02	0|0	Cs2g11440.1/Cs2g114	6.66	0	0	0	2	MASCOT	T PLEX8
5.55E-04	0|0	Cs2g11440.1/Cs2g114	6.66	0	0	0	2	MASCOT	T PLEX8
1.94E-04	0|0	Cs2g11440.1/Cs2g114	6.66	0	0	0	2	MASCOT	T PLEX8
2.17E-04	0|0	Cs2g11440.1/Cs2g114	6.66	0	0	0	2	MASCOT	T PLEX8
2.17E-07	0|0	Cs2g11440.1/Cs2g114	6.66	0	0	0	2	MASCOT	T PLEX8
9.09E-06	0|0	Cs2g11440.1/Cs2g114	6.66	0	0	0	2	MASCOT	T PLEX8
5.81E-02	0|0	Cs2g11440.1/Cs2g114	8.47	0	0	0	2	MASCOT	T PLEX8
5.68E-02	0|0	Cs2g11440.1/Cs2g114	8.47	0	0	0	2	MASCOT	T PLEX8
9.88E-02	0|0	Cs2g11440.1/Cs2g114	8.47	0	0	0	2	MASCOT	T PLEX8
3.03E-03	0|0	Cs2g11440.1/Cs2g114	9.47	0	0	0	2	MASCOT	T PLEX8
8.85E-03	0|0	Cs2g11440.1/Cs2g114	9.47	0	0	0	2	MASCOT	T PLEX8
1.72E-01	0|0	Cs2g11440.1/Cs2g114	9.47	0	0	0	2	MASCOT	T PLEX8
1.68E-02	0|0	Cs2g11440.1/Cs2g114	9.47	0	0	0	2	MASCOT	T PLEX8
2.36E-04	0|0	Cs2g11440.1/Cs2g114	9.47	0	0	0	2	MASCOT	T PLEX8
1.48E-03	0|0	Cs2g11440.1/Cs2g114	9.47	0	0	0	2	MASCOT	T PLEX8

2.01E-01	0|0	Cs2g11440.1/Cs2g114	9.47	0	0	2	MASCOT	T	PLEX8
2.08E-02	0|0	Cs2g11440.1/Cs2g114	9.47	0	0	2	MASCOT	T	PLEX8
3.26E-03	0|0	Cs2g11440.1/Cs2g114	9.47	0	0	2	MASCOT	T	PLEX8
3.13E-03	0|0	Cs2g11440.1/Cs2g114	9.47	0	0	2	MASCOT	T	PLEX8
2.08E-03	0|0	Cs2g11440.1/Cs2g114	9.47	0	0	2	MASCOT	T	
1.80E-02	0|0	Cs2g11440.1/Cs2g114	8.75	0	0	2	MASCOT	T	
2.75E-02	0|0	Cs2g11440.1/Cs2g114	8.75	0	0	2	MASCOT	T	
4.31E-02	0|0	Cs2g11440.1/Cs2g114	4.03	0	0	2	MASCOT	T	PLEX8
1.81E-02	0|0	Cs2g11440.1/Cs2g114	4.03	0	0	2	MASCOT	T	PLEX8
1.33E-03	0|0	Cs2g11440.1/Cs2g114	4.03	0	0	2	MASCOT	T	PLEX8
1.99E-02	0|0	Cs2g11440.1/Cs2g114	4.03	0	0	2	MASCOT	T	PLEX8
5.41E-02	0|0	Cs2g11440.1/Cs2g114	4.03	0	0	2	MASCOT	T	PLEX8
2.62E-02	0|0	Cs2g11440.1/Cs2g114	4.03	0	0	2	MASCOT	T	PLEX8
2.04E-02	0|0	Cs2g11440.1/Cs2g114	4.03	0	0	2	MASCOT	T	PLEX8
1.11E-01	0|0	Cs2g11440.1/Cs2g114	4.03	0	0	2	MASCOT	T	PLEX8
1.99E-03	0|0	Cs2g11440.1/Cs2g114	3.93	0	0	2	MASCOT	T	PLEX8
4.76E-02	0|0	Cs2g11440.1/Cs2g114	4.37	0	0	2	MASCOT	T	PLEX8
2.50E-01	0|0	Cs2g11440.1/Cs2g114	6.75	0	0	2	MASCOT	T	
1.05E-02	0|0	Cs7g08640.1/Cs7g086	4.21	0	0	2	MASCOT	T	PLEX8
2.57E-01	0|0	Cs7g08640.1/Cs7g086	4.21	0	0	2	MASCOT	T	
1.06E-03	0|0	Cs7g08640.1/Cs7g086	4.37	0	0	2	MASCOT	T	PLEX8
2.19E-02	0|0	Cs7g08640.1/Cs7g086	4.37	0	0	2	MASCOT	T	PLEX8
8.37E-05	0|0	Cs7g08640.1/Cs7g086	4.37	0	0	2	MASCOT	T	PLEX8
1.77E-02	0|0	Cs7g08640.1/Cs7g086	3.92	0	0	2	MASCOT	T	PLEX8
2.38E-03	0|0	Cs7g08640.1/Cs7g086	3.83	0	0	2	MASCOT	T	PLEX8
1.20E-01	0|0	Cs2g28180.1/Cs7g086	6	0	0	2	MASCOT	T	PLEX8
2.02E-01	0|0	Cs2g28180.1/Cs7g086	6	0	0	2	MASCOT	T	PLEX8
5.22E-01	0|0	Cs2g28180.1/Cs7g086	6	0	0	2	MASCOT	T	PLEX8
1.75E-02	0|0	Cs2g28180.1/Cs7g086	6	0	0	2	MASCOT	T	PLEX8
1.00E-01	0|0	Cs2g28180.1/Cs7g086	6	0	0	2	MASCOT	T	
7.87E-03	0|0	Cs7g08640.1/Cs7g086	4.25	0	0	2	MASCOT	T	PLEX8
5.12E-02	0|0	Cs7g08640.1/Cs7g086	4.25	0	0	2	MASCOT	T	PLEX8
1.77E-03	0|0	Cs7g08640.1/Cs7g086	4.25	0	0	2	MASCOT	T	
2.47E-04	0|0	Cs7g08640.1/Cs7g086	4.25	0	0	2	MASCOT	T	
4.28E-04	0|0	Cs7g08640.1/Cs7g086	4.25	0	0	2	MASCOT	T	
2.26E-05	0|0	Cs7g08640.1/Cs7g086	4.25	0	0	2	MASCOT	T	
6.18E-03	0|0	Cs7g08640.1/Cs7g086	4.25	0	0	2	MASCOT	T	
8.60E-03	0|0	Cs7g08640.1/Cs7g086	4.25	0	0	2	MASCOT	T	PLEX8
2.02E-01	0|0	Cs7g08640.1/Cs7g086	5.97	0	0	2	MASCOT	T	PLEX8
2.01E-01	0|0	Cs7g08640.1/Cs7g086	5.97	0	0	2	MASCOT	T	PLEX8
4.72E-02	0|0	Cs7g08640.1/Cs7g086	5.81	0	0	2	MASCOT	T	PLEX8
1.93E-03	0|0	Cs7g08640.1/Cs7g086	5.81	0	0	2	MASCOT	T	PLEX8
5.73E-02	0|0	Cs7g08640.1/Cs7g086	5.81	0	0	2	MASCOT	T	PLEX8
5.49E-03	0|0	Cs7g08640.1/Cs7g086	5.81	0	0	2	MASCOT	T	PLEX8
3.88E-04	0|0	Cs7g08640.1/Cs7g086	5.81	0	0	2	MASCOT	T	PLEX8
1.23E-04	0|0	Cs7g08640.1/Cs7g086	5.81	0	0	2	MASCOT	T	PLEX8
9.31E-04	0|0	Cs7g08640.1/Cs7g086	5.81	0	0	2	MASCOT	T	PLEX8
1.08E-01	0|0	Cs7g08640.1/Cs7g086	5.81	0	0	2	MASCOT	T	PLEX8
2.64E-02	0|0	Cs7g08640.1/Cs7g086	5.81	0	0	2	MASCOT	T	PLEX8
1.13E-03	0|0	Cs7g08640.1/Cs7g086	5.81	0	0	2	MASCOT	T	
7.23E-03	0|0	Cs7g08640.1/Cs7g086	5.81	0	0	2	MASCOT	T	PLEX8

4.25E-03	0|0	Cs7g08640.1/Cs7g086	5.81	0	0	2	MASCOT	T	PLEX8	
1.15E-01	0|0	Cs2g28180.1 ! Cs7g08	4.37	0	0	2	MASCOT	T	PLEX8	
1.83E-01	0|0	Cs2g28180.1 ! Cs7g08	4.37	0	0	2	MASCOT	T	PLEX8	
3.70E-02	0|0	Cs7g08640.2	6	0	0	2	MASCOT	T	PLEX8	
1.06E-04	0|0	Cs7g08640.2	6	0	0	2	MASCOT	T	PLEX8	
7.70E-04	0|0	Cs7g08640.2	6	0	0	2	MASCOT	T	PLEX8	
5.72E-04	0|0	Cs7g08640.2	6	0	0	2	MASCOT	T	PLEX8	
4.01E-02	0|0	Cs7g08640.2	6	0	0	2	MASCOT	T	PLEX8	
6.03E-03	0|0	Cs7g08640.2	6	0	0	2	MASCOT	T	PLEX8	
2.61E-01	0|0	Cs2g28180.1 ! Cs7g08	4.21	0	0	2	MASCOT	T	PLEX8	
1.89E-01	0|0	Cs2g28180.1 ! Cs7g08	4.21	0	0	2	MASCOT	T	PLEX8	
2.60E-04	0|0	Cs2g28180.1 ! Cs7g08	4.21	0	0	2	MASCOT	T	PLEX8	
2.93E-04	0|0	Cs2g28180.1 ! Cs7g08	4.21	0	0	2	MASCOT	T	PLEX8	
1.58E-04	0|0	Cs2g28180.1 ! Cs7g08	4.21	0	0	2	MASCOT	T	PLEX8	
4.47E-04	0|0	Cs2g28180.1 ! Cs7g08	4.21	0	0	2	MASCOT	T	PLEX8	
1.87E-01	0|0	Cs7g08640.1/Cs7g086	8.41	0	0	2	MASCOT	T	PLEX8	
1.06E-02	0|0	Cs7g08640.1/Cs7g086	9.72	0	0	2	MASCOT	T	PLEX8	
2.08E-01	0|0	Cs7g08640.1/Cs7g086	9.72	0	0	2	MASCOT	T	PLEX8	
9.54E-02	0|0	Cs7g08640.1/Cs7g086	9.72	0	0	2	MASCOT	T	PLEX8	
2.94E-02	0|0	Cs1g17840.1	4.21	0	15.9	0	2	MASCOT	T	PLEX8
4.02E-01	0|0	Cs1g17840.1	4.21	0	15.9	0	2	MASCOT	T	
4.28E-04	0|0	Cs1g17840.1	4.21	0	0	2	MASCOT	T	PLEX8	
1.29E-03	0|0	Cs1g17840.1	4.21	0	0	2	MASCOT	T	PLEX8	
1.42E-01	0|0	Cs1g17840.1	5.88	0	0	2	MASCOT	T	PLEX8	
1.52E-01	0|0	Cs1g17840.1	5.88	0	0	2	MASCOT	T	PLEX8	
1.03E-01	0|0	Cs1g17840.1	4.37	0	15.9	0	2	MASCOT	T	PLEX8
1.81E-01	0|0	Cs1g17840.1	4.37	0	15.9	0	2	MASCOT	T	
1.78E-01	0|0	Cs1g17840.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.89E-01	0|0	Cs1g17840.1	4.37	0	0	2	MASCOT	T	PLEX8	
9.01E-02	0|0	Cs1g17840.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.07E-01	0|0	Cs1g17840.1	8.22	0	0	2	MASCOT	T	PLEX8	
1.21E-01	0|0	Cs1g17840.1	8.22	0	0	2	MASCOT	T	PLEX8	
1.19E-01	0|0	Cs1g17840.1	6.74	0	0	2	MASCOT	T		
3.02E-01	0|0	Cs1g17840.1	6.74	0	0	2	MASCOT	T	PLEX8	
2.39E-02	0|0	Cs1g17840.1	6.74	0	0	2	MASCOT	T	PLEX8	
1.28E-01	0|0	Cs1g17840.1	6.74	0	0	2	MASCOT	T	PLEX8	
1.81E-02	0|0	Cs1g17840.1	6.74	0	0	2	MASCOT	T	PLEX8	
3.81E-01	0|0	Cs1g17840.1/Cs4g150	8.26	0	0	2	MASCOT	T	PLEX8	
2.43E-03	0|0	Cs1g17840.1/Cs4g150	8.26	0	0	2	MASCOT	T	PLEX8	
3.51E-01	0|0	Cs1g17840.1 ! Cs4g15	8.44	0	0	2	MASCOT	T	PLEX8	
4.25E-02	0|0	Cs1g17840.1 ! Cs4g15	8.44	0	0	2	MASCOT	T	PLEX8	
6.25E-04	0|0	Cs1g17840.1 ! Cs4g15	8.44	0	0	2	MASCOT	T	PLEX8	
2.40E-03	0|0	Cs1g17840.1 ! Cs4g15	8.44	0	0	2	MASCOT	T	PLEX8	
6.18E-03	0|0	Cs1g17840.1 ! Cs4g15	8.44	0	0	2	MASCOT	T	PLEX8	
5.47E-04	0|0	Cs1g17840.1 ! Cs4g15	8.44	0	0	2	MASCOT	T	PLEX8	
2.01E-03	0|0	Cs1g17840.1 ! Cs4g15	8.44	0	0	2	MASCOT	T	PLEX8	
6.99E-02	0|0	Cs1g17840.1 ! Cs4g15	8.44	0	0	2	MASCOT	T		
5.99E-02	0|0	Cs1g17840.1	8.75	0	0	2	MASCOT	T	PLEX8	
1.04E-02	0|0	Cs1g17840.1	8.75	0	0	2	MASCOT	T	PLEX8	
1.31E-01	0|0	Cs1g17840.1	8.75	0	0	2	MASCOT	T	PLEX8	
1.10E-01	0|0	Cs1g17840.1	8.75	0	0	2	MASCOT	T	PLEX8	

2.56E-02 0|0	Cs1g17840.1	8.75	0	0	2 MASCOT	T	PLEX8
8.58E-02 0|0	Cs1g17840.1	8.75	0	0	2 MASCOT	T	PLEX8
3.78E-02 0|0	Cs1g17840.1	8.75	0	0	2 MASCOT	T	PLEX8
7.46E-02 0|0	Cs1g17840.1	8.75	0	0	2 MASCOT	T	PLEX8
2.49E-02 0|0	Cs1g17840.1	8.75	0	0	2 MASCOT	T	PLEX8
3.12E-04 0|0	Cs1g17840.1	8.15	0	0	2 MASCOT	T	
1.90E-04 0|0	Cs1g17840.1	8.15	0	0	2 MASCOT	T	PLEX8
6.48E-04 0|0	Cs1g17840.1	8.15	0	0	2 MASCOT	T	PLEX8
1.88E-01 0|0	Cs1g17840.1	8.76	0	0	2 MASCOT	T	PLEX8
1.78E-01 0|0	Cs1g17840.1	5.19	0 15.9	0	2 MASCOT	T	PLEX8
1.19E-02 0|0	Cs1g17840.1	5.19	0 15.9	0	2 MASCOT	T	PLEX8
2.54E-01 0|0	Cs1g17840.1	5.19	0 15.9	0	2 MASCOT	T	PLEX8
3.15E-05 0|0	Cs1g17840.1	5.19	0	0	2 MASCOT	T	PLEX8
6.85E-03 0|0	Cs1g17840.1	5.19	0	0	2 MASCOT	T	PLEX8
1.43E-02 0|0	Cs1g17840.1	5.19	0	0	2 MASCOT	T	
9.03E-04 0|0	Cs1g17840.1	5.19	0	0	2 MASCOT	T	
1.91E-02 0|0	Cs4g12840.1	4.53	0	0	2 MASCOT	T	PLEX8
1.69E-03 0|0	Cs4g12840.1	4.53	0	0	2 MASCOT	T	PLEX8
5.46E-02 0|0	Cs4g12840.1	4.53	0	0	2 MASCOT	T	PLEX8
1.73E-01 0|0	Cs4g12840.1	4.53	0	0	2 MASCOT	T	PLEX8
1.00E-01 0|0	Cs4g12840.1	4.53	0	0	2 MASCOT	T	PLEX8
6.46E-04 0|0	Cs4g12840.1	4.53	0	0	2 MASCOT	T	PLEX8
1.27E-02 0|0	Cs4g12840.1	4.53	0	0	2 MASCOT	T	PLEX8
5.91E-02 0|0	Cs4g12840.1	4.21	0	0	2 MASCOT	T	PLEX8
1.62E-01 0|0	Cs4g12840.1	4.21	0	0	2 MASCOT	T	PLEX8
2.92E-01 0|0	Cs4g12840.1	4.21	0	0	2 MASCOT	T	PLEX8
8.32E-02 0|0	Cs4g12840.1	4.21	0	0	2 MASCOT	T	PLEX8
2.63E-02 0|0	Cs4g12840.1	4.21	0	0	2 MASCOT	T	PLEX8
6.80E-02 0|0	Cs4g12840.1	4.21	0	0	2 MASCOT	T	PLEX8
8.50E-03 0|0	Cs4g12840.1	5.32	0	0	2 MASCOT	T	PLEX8
3.45E-01 0|0	Cs4g12840.1	5.32	0	0	2 MASCOT	T	PLEX8
1.84E-07 0|0	Cs4g12840.1	5.32	0	0	2 MASCOT	T	
2.61E-02 0|0	Cs4g12840.1	6.75	0	0	2 MASCOT	T	PLEX8
2.03E-01 0|0	Cs4g12840.1	6.75	0	0	2 MASCOT	T	PLEX8
3.06E-01 0|0	Cs4g12840.1	8.56	0	0	2 MASCOT	T	PLEX8
2.03E-02 0|0	Cs4g12840.1	8.56	0	0	2 MASCOT	T	PLEX8
2.09E-02 0|0	Cs4g12840.1	8.56	0	0	2 MASCOT	T	PLEX8
1.21E-03 0|0	Cs4g12840.1	8.56	0	0	2 MASCOT	T	PLEX8
3.46E-05 0|0	Cs4g12840.1	8.56	0	0	2 MASCOT	T	PLEX8
3.93E-03 0|0	Cs4g12840.1	8.56	0	0	2 MASCOT	T	PLEX8
4.06E-04 0|0	Cs4g12840.1	5.88	0	0	2 MASCOT	T	PLEX8
2.40E-04 0|0	Cs4g12840.1	5.88	0	0	2 MASCOT	T	PLEX8
2.13E-04 0|0	Cs4g12840.1	4.03	0	0	2 MASCOT	T	PLEX8
8.63E-04 0|0	Cs4g12840.1	4.03	0	0	2 MASCOT	T	
1.91E-03 0|0	Cs4g12840.1	4.03	0	0	2 MASCOT	T	
9.69E-04 0|0	Cs4g12840.1	4.03	0	0	2 MASCOT	T	PLEX8
1.35E-05 0|0	Cs4g12840.1	4.03	0	0	2 MASCOT	T	PLEX8
1.54E-02 0|0	Cs4g12840.1	4.03	0	0	2 MASCOT	T	PLEX8
8.44E-04 0|0	Cs4g12840.1	4.03	0	0	2 MASCOT	T	
5.91E-04 0|0	Cs4g12840.1	4.03	0	0	2 MASCOT	T	
1.37E-02 0|0	Cs4g12840.1	4.14	0	0	2 MASCOT	T	

4.22E-04	0|0	Cs4g12840.1	4.14	0	0	2	MASCOT	T		
3.42E-02	0|0	Cs4g12840.1	4.14	0	0	2	MASCOT	T	PLEX8	
5.32E-02	0|0	Cs4g12840.1	8.59	1	0	2	MASCOT	T	PLEX8	
4.24E-02	0|0	Cs4g12840.1	8.59	1	0	2	MASCOT	T	PLEX8	
4.60E-02	0|0	Cs4g12840.1	8.59	1	0	2	MASCOT	T		
2.45E-01	0|0	Cs4g12840.1	8.49	0	0	2	MASCOT	T	PLEX8	
2.84E-02	0|0	Cs4g12840.1	6.71	0	0	2	MASCOT	T		
3.29E-02	0|0	Cs4g12840.1	6.71	0	0	2	MASCOT	T		
9.13E-02	0|0	Cs4g12840.1	6.71	0	0	2	MASCOT	T		
1.66E-01	0|0	Cs4g12840.1	5.81	0	0	2	MASCOT	T	PLEX8	
6.58E-04	0|0	orange1.1t00227.1/ora	6.05	0	0	2	MASCOT	T		
4.24E-03	0|0	orange1.1t00227.1/ora	6.05	0	0	2	MASCOT	T		
4.54E-01	0|0	orange1.1t00227.1/ora	4.53	0	0	2	MASCOT	T	PLEX8	
2.77E-02	0|0	orange1.1t00227.1/ora	4.53	0	0	2	MASCOT	T	PLEX8	
2.75E-01	0|0	orange1.1t00227.1/ora	4.53	0	0	2	MASCOT	T	PLEX8	
1.93E-01	0|0	orange1.1t00227.1/ora	4.53	0	0	2	MASCOT	T	PLEX8	
1.11E-01	0|0	orange1.1t00227.1/ora	4.53	0	0	2	MASCOT	T	PLEX8	
6.25E-02	0|0	orange1.1t00227.1/ora	4.53	0	0	2	MASCOT	T	PLEX8	
2.19E-01	0|0	orange1.1t00227.1/ora	4.53	0	0	2	MASCOT	T	PLEX8	
2.63E-03	0|0	orange1.1t00227.1	4	0	0	2	MASCOT	T	PLEX8	
1.02E-02	0|0	orange1.1t00227.1/ora	4.14	0	15.9	0	2	MASCOT	T	PLEX8
2.46E-02	0|0	orange1.1t00227.1	4.41	0	0	2	MASCOT	T	PLEX8	
1.61E-02	0|0	orange1.1t00227.1	4.41	0	0	2	MASCOT	T	PLEX8	
7.59E-04	0|0	orange1.1t00227.1	4.41	0	0	2	MASCOT	T	PLEX8	
1.14E-04	0|0	orange1.1t00227.1	4.41	0	0	2	MASCOT	T		
3.50E-02	0|0	orange1.1t00227.1	4.41	0	0	2	MASCOT	T		
3.45E-06	0|0	orange1.1t00227.1	4.41	0	0	2	MASCOT	T		
3.66E-02	0|0	orange1.1t00227.1	4.41	0	0	2	MASCOT	T		
7.71E-04	0|0	orange1.1t00227.1/ora	5.97	0	0	2	MASCOT	T		
6.30E-05	0|0	orange1.1t00227.1/ora	5.97	0	0	2	MASCOT	T		
7.88E-03	0|0	orange1.1t00227.1/ora	6.04	0	0	2	MASCOT	T	PLEX8	
2.41E-02	0|0	orange1.1t00227.1/ora	6.04	0	0	2	MASCOT	T		
9.57E-04	0|0	orange1.1t00227.1/ora	6.04	0	0	2	MASCOT	T	PLEX8	
1.29E-03	0|0	orange1.1t00227.1/ora	6.04	0	0	2	MASCOT	T	PLEX8	
1.64E-01	0|0	orange1.1t00227.1/ora	6.04	0	0	2	MASCOT	T	PLEX8	
2.81E-01	0|0	orange1.1t00227.1/ora	6.04	0	0	2	MASCOT	T		
2.93E-02	0|0	orange1.1t00227.1/ora	6.04	0	0	2	MASCOT	T	PLEX8	
6.91E-02	0|0	orange1.1t00227.1/ora	6.04	0	0	2	MASCOT	T		
4.91E-02	0|0	orange1.1t00227.1/ora	5.88	0	0	2	MASCOT	T	PLEX8	
2.87E-02	0|0	orange1.1t00227.1/ora	5.88	0	0	2	MASCOT	T	PLEX8	
2.08E-02	0|0	orange1.1t00227.1/ora	6.1	0	0	2	MASCOT	T	PLEX8	
3.37E-02	0|0	orange1.1t00227.1/ora	6.1	0	0	2	MASCOT	T	PLEX8	
6.05E-02	0|0	orange1.1t00227.1/ora	6.17	0	0	2	MASCOT	T	PLEX8	
3.32E-01	0|0	orange1.1t00227.1/ora	6.17	0	0	2	MASCOT	T	PLEX8	
2.16E-02	0|0	orange1.1t00227.1/ora	6.17	0	0	2	MASCOT	T	PLEX8	
1.66E-01	0|0	orange1.1t00227.1/ora	6.17	0	0	2	MASCOT	T	PLEX8	
5.27E-02	0|0	orange1.1t00227.1/ora	8.75	0	0	2	MASCOT	T	PLEX8	
9.22E-02	0|0	orange1.1t00227.1/ora	8.75	0	0	2	MASCOT	T	PLEX8	
1.71E-01	0|0	orange1.1t00227.1/ora	8.75	0	0	2	MASCOT	T	PLEX8	
5.91E-02	0|0	orange1.1t00227.1/ora	4.54	0	0	2	MASCOT	T	PLEX8	
1.02E-02	0|0	orange1.1t00227.1/ora	4.54	0	0	2	MASCOT	T	PLEX8	

2.62E-03	0|0	orange1.1t00227.1/ora	4.54	0	0	2	MASCOT	T	PLEX8	
2.70E-01	0|0	orange1.1t00227.1	5.75	0	15.9	0	2	MASCOT	T	PLEX8
4.41E-04	0|0	Cs3g20830.1/Cs3g208	4.49	0	0	2	MASCOT	T	PLEX8	
1.94E-02	0|0	Cs3g20830.1/Cs3g208	4.37	0	15.9	0	2	MASCOT	T	
1.28E-02	0|0	Cs3g20830.1/Cs3g208	4.37	0	0	2	MASCOT	T		
1.15E-02	0|0	Cs3g20830.1/Cs3g208	4.37	0	0	2	MASCOT	T		
2.13E-02	0|0	Cs3g20830.1/Cs3g208	4.37	0	0	2	MASCOT	T		
8.96E-03	0|0	Cs3g20830.1/Cs3g208	4.8	0	15.9	0	2	MASCOT	T	PLEX8
1.44E-02	0|0	Cs3g20830.1/Cs3g208	4.8	0	0	2	MASCOT	T	PLEX8	
2.62E-04	0|0	Cs3g20830.1/Cs3g208	4.8	0	0	2	MASCOT	T	PLEX8	
1.36E-01	0|0	Cs7g30550.1/Cs7g305	4.25	0	0	2	MASCOT	T	PLEX8	
2.46E-03	0|0	Cs3g20830.1/Cs3g208	6	0	0	2	MASCOT	T	PLEX8	
2.48E-02	0|0	Cs3g20830.1/Cs3g208	6	0	0	2	MASCOT	T	PLEX8	
2.70E-03	0|0	Cs3g20830.1/Cs3g208	6	0	0	2	MASCOT	T	PLEX8	
1.57E-02	0|0	Cs3g20830.1/Cs3g208	6	0	0	2	MASCOT	T	PLEX8	
5.96E-04	0|0	Cs3g20830.1/Cs3g208	6	0	0	2	MASCOT	T	PLEX8	
3.11E-01	0|0	Cs3g20830.1/Cs3g208	6.75	0	0	2	MASCOT	T	PLEX8	
2.91E-02	0|0	Cs3g20830.1/Cs3g208	6.75	0	0	2	MASCOT	T	PLEX8	
8.13E-02	0|0	Cs3g20830.1/Cs3g208	9.75	0	0	2	MASCOT	T	PLEX8	
1.28E-01	0|0	Cs3g20830.1/Cs3g208	9.75	0	0	2	MASCOT	T	PLEX8	
1.15E-01	0|0	Cs3g20830.1/Cs3g208	9.75	0	0	2	MASCOT	T	PLEX8	
7.13E-02	0|0	Cs3g20830.1/Cs3g208	9.75	0	0	2	MASCOT	T	PLEX8	
4.54E-02	0|0	Cs3g20830.1/Cs3g208	9.75	0	0	2	MASCOT	T	PLEX8	
5.72E-02	0|0	Cs3g20830.1/Cs3g208	5.84	0	0	2	MASCOT	T	PLEX8	
2.89E-01	0|0	Cs3g20830.1/Cs3g208	5.84	0	0	2	MASCOT	T	PLEX8	
6.39E-02	0|0	Cs3g20830.1/Cs3g208	5.84	0	0	2	MASCOT	T	PLEX8	
9.46E-02	0|0	Cs3g20830.1/Cs3g208	5.84	0	0	2	MASCOT	T	PLEX8	
1.03E-01	0|0	Cs3g20830.1/Cs3g208	8.59	1	0	2	MASCOT	T	PLEX8	
4.02E-02	0|0	Cs3g20830.1/Cs3g208	8.59	1	0	2	MASCOT	T	PLEX8	
7.54E-02	0|0	Cs3g20800.1/Cs3g208	6.41	0	15.9	0	2	MASCOT	T	PLEX8
4.22E-02	0|0	Cs3g20800.1/Cs3g208	6.41	0	15.9	0	2	MASCOT	T	PLEX8
8.08E-03	0|0	Cs3g20800.1/Cs3g208	6.41	0	15.9	0	2	MASCOT	T	PLEX8
9.51E-02	0|0	Cs3g20800.1/Cs3g208	6.41	0	0	2	MASCOT	T	PLEX8	
4.98E-04	0|0	Cs3g20800.1/Cs3g208	6.41	0	0	2	MASCOT	T	PLEX8	
3.90E-02	0|0	Cs3g20830.1/Cs3g208	5.84	0	15.9	0	2	MASCOT	T	PLEX8
2.27E-02	0|0	Cs3g20830.1/Cs3g208	5.84	0	0	2	MASCOT	T		
1.90E-06	0|0	Cs3g20830.1/Cs3g208	5.84	0	0	2	MASCOT	T		
3.14E-01	0|0	Cs3g20830.1/Cs3g208	5.84	0	0	2	MASCOT	T		
6.14E-02	0|0	Cs3g20800.1/Cs3g208	4.37	0	0	2	MASCOT	T	PLEX8	
1.98E-01	0|0	Cs3g20800.1/Cs3g208	4.37	0	0	2	MASCOT	T	PLEX8	
6.49E-02	0|0	Cs3g20800.1/Cs3g208	4.37	0	0	2	MASCOT	T	PLEX8	
6.95E-02	0|0	Cs3g20800.1/Cs3g208	4.37	0	0	2	MASCOT	T	PLEX8	
5.69E-02	0|0	Cs3g20800.1/Cs3g208	4.37	0	0	2	MASCOT	T	PLEX8	
1.42E-02	0|0	Cs7g27180.1/Cs7g271	8.8	0	0	2	MASCOT	T	PLEX8	
9.99E-02	0|0	Cs7g27180.1/Cs7g271	8.8	0	0	2	MASCOT	T	PLEX8	
6.54E-02	0|0	Cs7g27180.1/Cs7g271	8.8	0	0	2	MASCOT	T	PLEX8	
2.95E-01	0|0	Cs7g27180.1	4.53	0	0	2	MASCOT	T	PLEX8	
2.35E-01	0|0	Cs7g27180.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.46E-01	0|0	Cs7g27180.1/Cs7g271	5.32	0	0	2	MASCOT	T	PLEX8	
7.50E-05	0|0	Cs7g27180.1/Cs7g271	5.32	0	0	2	MASCOT	T	PLEX8	
8.11E-03	0|0	Cs7g27180.1/Cs7g271	5.32	0	0	2	MASCOT	T		

2.36E-02	0|0	Cs7g27180.1/Cs7g271	5.32	0	0	2	MASCOT	T		
6.28E-02	0|0	Cs7g27180.1/Cs7g271	4.53	0	0	2	MASCOT	T	PLEX8	
6.62E-02	0|0	Cs7g27180.1/Cs7g271	5.59	0	15.9	0	2	MASCOT	T	PLEX8
2.98E-03	0|0	Cs7g27180.1/Cs7g271	4.14	0	0	2	MASCOT	T	PLEX8	
2.40E-01	0|0	Cs7g27180.1/Cs7g271	5.83	0	0	2	MASCOT	T		
2.07E-03	0|0	Cs7g27180.1/Cs7g271	5.83	0	0	2	MASCOT	T		
7.94E-02	0|0	Cs7g27180.1/Cs7g271	5.84	0	0	2	MASCOT	T	PLEX8	
1.49E-02	0|0	Cs7g27180.1/Cs7g271	5.84	0	0	2	MASCOT	T	PLEX8	
8.99E-02	0|0	Cs7g27180.1/Cs7g271	5.84	0	0	2	MASCOT	T	PLEX8	
3.49E-02	0|0	Cs7g27180.1	6.74	0	0	2	MASCOT	T	PLEX8	
7.83E-02	0|0	Cs7g27180.1	6.74	0	0	2	MASCOT	T	PLEX8	
1.49E-03	0|0	Cs7g27180.1	5.72	0	15.9	0	2	MASCOT	T	
2.09E-07	0|0	Cs7g27180.1	5.72	0	0	2	MASCOT	T		
3.00E-05	0|0	Cs7g27180.1	5.72	0	0	2	MASCOT	T		
8.67E-02	0|0	Cs7g27180.1/Cs7g271	8.72	0	0	2	MASCOT	T	PLEX8	
8.71E-02	0|0	Cs7g27180.1/Cs7g271	8.72	0	0	2	MASCOT	T	PLEX8	
8.63E-02	0|0	Cs7g27180.1/Cs7g271	8.72	0	0	2	MASCOT	T	PLEX8	
5.49E-02	0|0	Cs7g27180.1/Cs7g271	8.72	0	0	2	MASCOT	T		
2.54E-03	0|0	Cs7g27180.1/Cs7g271	8.22	1	0	2	MASCOT	T	PLEX8	
7.10E-06	0|0	Cs7g27180.1/Cs7g271	5.32	0	0	2	MASCOT	T	PLEX8	
1.69E-03	0|0	Cs7g27180.1/Cs7g271	5.32	0	0	2	MASCOT	T	PLEX8	
6.80E-03	0|0	Cs7g27180.1/Cs7g271	5.32	0	0	2	MASCOT	T	PLEX8	
7.37E-07	0|0	Cs7g27180.1/Cs7g271	5.32	0	0	2	MASCOT	T	PLEX8	
5.65E-04	0|0	Cs7g27180.1/Cs7g271	5.32	0	0	2	MASCOT	T		
1.45E-03	0|0	Cs7g27180.1/Cs7g271	5.32	0	0	2	MASCOT	T	PLEX8	
1.69E-07	0|0	Cs7g27180.1/Cs7g271	5.32	0	0	2	MASCOT	T	PLEX8	
2.05E-03	0|0	Cs7g27180.1/Cs7g271	5.32	0	0	2	MASCOT	T	PLEX8	
4.78E-06	0|0	Cs7g27180.1/Cs7g271	5.32	0	0	2	MASCOT	T	PLEX8	
5.65E-02	0|0	Cs7g27180.1/Cs7g271	5.32	0	0	2	MASCOT	T		
2.26E-05	0|0	Cs7g27180.1/Cs7g271	5.32	0	0	2	MASCOT	T		
1.06E-01	0|0	Cs7g27180.1/Cs7g271	5.32	0	0	2	MASCOT	T		
3.97E-04	0|0	Cs9g02470.1/Cs9g024	4.25	0	0	2	MASCOT	T	PLEX8	
1.45E-03	0|0	Cs9g02470.1/Cs9g024	4.25	0	0	2	MASCOT	T	PLEX8	
1.32E-05	0|0	Cs9g02470.1/Cs9g024	4.25	0	0	2	MASCOT	T	PLEX8	
1.95E-02	0|0	Cs9g02470.1/Cs9g024	4.25	0	0	2	MASCOT	T	PLEX8	
3.90E-03	0|0	Cs9g02470.1/Cs9g024	4.25	0	0	2	MASCOT	T	PLEX8	
2.56E-02	0|0	Cs9g02470.1/Cs9g024	6.79	0	0	2	MASCOT	T	PLEX8	
3.61E-02	0|0	Cs9g02470.1/Cs9g024	6.79	0	0	2	MASCOT	T	PLEX8	
5.02E-02	0|0	Cs9g02470.1/Cs9g024	6.79	0	0	2	MASCOT	T	PLEX8	
2.05E-02	0|0	Cs9g02470.1/Cs9g024	6.79	0	0	2	MASCOT	T	PLEX8	
4.26E-01	0|0	Cs9g02470.1/Cs9g024	6.79	0	0	2	MASCOT	T	PLEX8	
2.16E-01	0|0	Cs9g02470.1/Cs9g024	6.79	0	0	2	MASCOT	T	PLEX8	
1.34E-01	0|0	Cs9g02470.1/Cs9g024	4.56	0	0	2	MASCOT	T	PLEX8	
2.14E-01	0|0	Cs9g02470.1/Cs9g024	4.56	0	0	2	MASCOT	T		
1.65E-01	0|0	Cs9g02470.1/Cs9g024	4.56	0	0	2	MASCOT	T	PLEX8	
1.78E-04	0|0	Cs9g02470.1/Cs9g024	4.35	0	0	2	MASCOT	T	PLEX8	
2.33E-02	0|0	Cs9g02470.1/Cs9g024	5.84	0	0	2	MASCOT	T		
2.16E-01	0|0	Cs9g02470.1/Cs9g024	5.84	0	0	2	MASCOT	T		
2.38E-03	0|0	Cs9g02470.1/Cs9g024	5.84	0	0	2	MASCOT	T		
5.92E-05	0|0	Cs9g02470.1/Cs9g024	5.84	0	0	2	MASCOT	T		
5.28E-03	0|0	Cs9g02470.1/Cs9g024	5.84	0	0	2	MASCOT	T		

1.19E-01	0|0	Cs9g02470.1/Cs9g024	4.53	0	0	2	MASCOT	T	PLEX8	
2.29E-02	0|0	Cs9g02470.1/Cs9g024	4.53	0	0	2	MASCOT	T	PLEX8	
6.16E-02	0|0	Cs9g02470.1/Cs9g024	5.84	0	0	2	MASCOT	T	PLEX8	
4.58E-02	0|0	Cs9g02470.1/Cs9g024	4.37	0	0	2	MASCOT	T	PLEX8	
1.44E-01	0|0	Cs9g02470.1/Cs9g024	4.37	0	0	2	MASCOT	T	PLEX8	
5.30E-02	0|0	Cs9g02470.1/Cs9g024	4.37	0	0	2	MASCOT	T	PLEX8	
1.57E-01	0|0	Cs9g02470.1/Cs9g024	6.74	0	0	2	MASCOT	T	PLEX8	
5.69E-02	0|0	Cs9g02470.1/Cs9g024	6.74	0	0	2	MASCOT	T	PLEX8	
6.14E-02	0|0	Cs9g02470.1/Cs9g024	6.41	0	0	2	MASCOT	T	PLEX8	
4.02E-03	0|0	Cs9g02470.1/Cs9g024	6.41	0	0	2	MASCOT	T	PLEX8	
2.63E-02	0|0	Cs9g02470.1/Cs9g024	6.41	0	0	2	MASCOT	T	PLEX8	
1.14E-01	0|0	Cs9g02470.1/Cs9g024	5.32	1	0	2	MASCOT	T	PLEX8	
1.63E-01	0|0	Cs9g02470.1/Cs9g024	8.75	0	15.9	0	2	MASCOT	T	PLEX8
1.24E-01	0|0	Cs9g02470.1/Cs9g024	8.75	0	0	2	MASCOT	T	PLEX8	
1.07E-01	0|0	Cs9g02470.1/Cs9g024	8.75	0	0	2	MASCOT	T	PLEX8	
5.31E-02	0|0	Cs9g02470.1/Cs9g024	8.75	0	0	2	MASCOT	T	PLEX8	
6.68E-02	0|0	Cs9g02470.1/Cs9g024	6.74	0	0	2	MASCOT	T	PLEX8	
5.15E-02	0|0	Cs9g02470.1/Cs9g024	6.74	0	0	2	MASCOT	T	PLEX8	
6.99E-02	0|0	Cs9g02470.1/Cs9g024	6.74	0	0	2	MASCOT	T	PLEX8	
4.60E-01	0|0	Cs1g26040.1/Cs1g260	6.18	0	0	2	MASCOT	T	PLEX8	
4.27E-01	0|0	Cs1g26040.1/Cs1g260	6.18	0	0	2	MASCOT	T	PLEX8	
7.90E-02	0|0	Cs1g26040.1/Cs1g260	6.05	0	0	2	MASCOT	T	PLEX8	
1.89E-02	0|0	Cs1g26040.1/Cs1g260	6.05	0	0	2	MASCOT	T	PLEX8	
3.97E-01	0|0	Cs1g26040.1/Cs1g260	8.75	0	15.9	0	2	MASCOT	T	PLEX8
2.59E-02	0|0	Cs1g26040.1/Cs1g260	8.75	0	0	2	MASCOT	T	PLEX8	
8.50E-03	0|0	Cs1g26040.1/Cs1g260	8.75	0	0	2	MASCOT	T	PLEX8	
7.18E-02	0|0	Cs1g26040.1/Cs1g260	8.75	0	0	2	MASCOT	T	PLEX8	
6.15E-02	0|0	Cs1g26040.1/Cs1g260	8.75	0	0	2	MASCOT	T	PLEX8	
7.63E-03	0|0	Cs1g26040.1/Cs1g260	4.37	0	0	2	MASCOT	T	PLEX8	
9.60E-02	0|0	Cs1g26040.1/Cs1g260	4.37	0	0	2	MASCOT	T	PLEX8	
1.13E-01	0|0	Cs1g26040.1/Cs1g260	6	0	0	2	MASCOT	T	PLEX8	
3.45E-02	0|0	Cs1g26040.1/Cs1g260	6	0	0	2	MASCOT	T	PLEX8	
7.63E-03	0|0	Cs1g26040.1/Cs1g260	6	0	0	2	MASCOT	T	PLEX8	
9.64E-03	0|0	Cs1g26040.1/Cs1g260	6	0	0	2	MASCOT	T	PLEX8	
1.25E-02	0|0	Cs1g26040.1/Cs1g260	6	0	0	2	MASCOT	T	PLEX8	
1.17E-01	0|0	Cs1g26040.1/Cs1g260	6	0	0	2	MASCOT	T	PLEX8	
3.38E-02	0|0	Cs1g26040.1/Cs1g260	6	0	0	2	MASCOT	T	PLEX8	
3.60E-02	0|0	Cs1g26040.1/Cs1g260	6	0	0	2	MASCOT	T	PLEX8	
1.74E-01	0|0	Cs1g26040.1/Cs1g260	8.75	0	0	2	MASCOT	T	PLEX8	
9.09E-03	0|0	Cs1g26040.1/Cs1g260	8.75	0	0	2	MASCOT	T	PLEX8	
9.43E-03	0|0	Cs1g26040.1/Cs1g260	8.75	0	0	2	MASCOT	T	PLEX8	
8.16E-02	0|0	Cs1g26040.1/Cs1g260	5.55	0	0	2	MASCOT	T	PLEX8	
2.07E-02	0|0	Cs1g26040.1/Cs1g260	5.55	0	0	2	MASCOT	T	PLEX8	
1.57E-01	0|0	Cs1g26040.1/Cs1g260	5.55	0	0	2	MASCOT	T	PLEX8	
2.19E-02	0|0	Cs1g26040.1/Cs1g260	5.55	0	0	2	MASCOT	T	PLEX8	
1.20E-01	0|0	Cs1g26040.1/Cs1g260	8.41	0	0	2	MASCOT	T	PLEX8	
1.03E-03	0|0	Cs1g26040.1/Cs1g260	8.41	0	0	2	MASCOT	T	PLEX8	
7.22E-03	0|0	Cs1g26040.1/Cs1g260	8.41	0	0	2	MASCOT	T	PLEX8	
6.87E-03	0|0	Cs1g26040.1/Cs1g260	8.41	0	0	2	MASCOT	T	PLEX8	
6.42E-03	0|0	Cs1g26040.1/Cs1g260	8.41	0	0	2	MASCOT	T	PLEX8	
3.38E-04	0|0	Cs1g26040.1/Cs1g260	8.41	0	0	2	MASCOT	T	PLEX8	

2.57E-02	0|0	Cs1g26040.1/Cs1g260	8.59	0	0	2	MASCOT	T	PLEX8	
7.00E-03	0|0	Cs1g26040.1/Cs1g260	4.65	0	0	2	MASCOT	T	PLEX8	
4.45E-02	0|0	Cs1g26040.1/Cs1g260	4.37	0	0	2	MASCOT	T	PLEX8	
1.50E+00	0|0	Cs1g26040.1/Cs1g260	9.73	0	0	2	MASCOT	T	PLEX8	
8.18E-01	0|0	Cs1g26040.1/Cs1g260	9.73	0	0	2	MASCOT	T		
9.18E-01	0|0	Cs1g26040.1/Cs1g260	9.73	0	0	2	MASCOT	T	PLEX8	
4.16E-03	0|0	Cs8g07420.1/Cs8g074	4.03	0	0	2	MASCOT	T	PLEX8	
4.80E-02	0|0	Cs8g07420.1/Cs8g074	4.03	0	0	2	MASCOT	T	PLEX8	
6.48E-02	0|0	Cs8g07420.1/Cs8g074	6.75	0	0	2	MASCOT	T	PLEX8	
1.06E-01	0|0	Cs8g07420.1/Cs8g074	6.75	0	0	2	MASCOT	T	PLEX8	
1.05E-01	0|0	Cs8g07420.1/Cs8g074	6.75	0	0	2	MASCOT	T	PLEX8	
7.16E-01	0|0	Cs8g07420.1/Cs8g074	6.75	0	0	2	MASCOT	T		
1.56E-01	0|0	Cs8g07420.1/Cs8g074	6.75	0	0	2	MASCOT	T		
6.69E-02	0|0	Cs8g07420.1/Cs8g074	6.75	0	0	2	MASCOT	T		
1.60E-01	0|0	Cs8g07420.1/Cs8g074	6.75	0	0	2	MASCOT	T	PLEX8	
3.53E-04	0|0	Cs8g07420.1/Cs8g074	4.56	1	0	2	MASCOT	T	PLEX8	
5.82E-02	0|0	Cs8g07420.1/Cs8g074	4.56	1	0	2	MASCOT	T	PLEX8	
1.06E-04	0|0	Cs8g07420.1/Cs8g074	6	0	0	2	MASCOT	T		
5.17E-05	0|0	Cs8g07420.1/Cs8g074	6	0	0	2	MASCOT	T		
2.36E-02	0|0	Cs8g07420.1/Cs8g074	4.41	0	0	2	MASCOT	T	PLEX8	
6.81E-03	0|0	Cs8g07420.1/Cs8g074	4.41	0	0	2	MASCOT	T	PLEX8	
4.34E-05	0|0	Cs8g07420.1/Cs8g074	6	0	0	2	MASCOT	T		
1.27E-03	0|0	Cs8g07420.1/Cs8g074	4.14	0	0	2	MASCOT	T	PLEX8	
5.78E-02	0|0	Cs8g07420.1/Cs8g074	4.14	0	0	2	MASCOT	T	PLEX8	
1.26E-02	0|0	Cs8g07420.1/Cs8g074	4.14	0	0	2	MASCOT	T	PLEX8	
2.01E-02	0|0	Cs8g07420.1/Cs8g074	4.14	0	0	2	MASCOT	T	PLEX8	
8.47E-02	0|0	Cs8g07420.1/Cs8g074	5.88	0	0	2	MASCOT	T	PLEX8	
4.37E-02	0|0	Cs8g07420.1/Cs8g074	4.21	0	0	2	MASCOT	T	PLEX8	
3.66E-05	0|0	Cs8g07420.1/Cs8g074	4.21	0	0	2	MASCOT	T	PLEX8	
3.23E-02	0|0	Cs8g07420.1/Cs8g074	4.65	0	0	2	MASCOT	T	PLEX8	
8.18E-03	0|0	Cs8g07420.1/Cs8g074	5.21	0	0	2	MASCOT	T	PLEX8	
3.04E-01	0|0	Cs8g07420.1/Cs8g074	5.21	0	0	2	MASCOT	T	PLEX8	
5.87E-02	0|0	Cs8g07420.1/Cs8g074	5.21	0	0	2	MASCOT	T		
6.45E-02	0|0	Cs8g07420.1/Cs8g074	5.21	0	0	2	MASCOT	T		
1.92E-01	0|0	Cs8g07420.1/Cs8g074	5.21	0	0	2	MASCOT	T	PLEX8	
8.01E-03	0|0	Cs8g07420.1/Cs8g074	5.21	0	0	2	MASCOT	T		
1.55E-01	0|0	Cs8g07420.1/Cs8g074	5.21	0	0	2	MASCOT	T		
8.83E-03	0|0	Cs8g07420.1/Cs8g074	5.84	0	0	2	MASCOT	T	PLEX8	
7.81E-02	0|0	Cs8g07420.1/Cs8g074	6	0	0	2	MASCOT	T	PLEX8	
7.43E-05	0|0	Cs8g07420.1/Cs8g074	6	0	0	2	MASCOT	T		
1.68E-02	0|0	Cs6g19310.1	4.37	0	0	2	MASCOT	T	PLEX8	
6.74E-03	0|0	Cs6g19310.1	4.37	0	0	2	MASCOT	T	PLEX8	
6.38E-02	0|0	Cs6g19310.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.55E-01	0|0	Cs6g19310.1/Cs7g123	4.21	0	0	2	MASCOT	T	PLEX8	
4.45E-02	0|0	Cs6g19310.1/Cs7g123	4.21	0	0	2	MASCOT	T	PLEX8	
1.87E-02	0|0	Cs6g19310.1/Cs7g123	8.22	0	15.9	0	2	MASCOT	T	PLEX8
9.19E-02	0|0	Cs6g19310.1/Cs7g123	8.22	0	15.9	0	2	MASCOT	T	PLEX8
5.62E-04	0|0	Cs6g19310.1	5.55	0	0	2	MASCOT	T	PLEX8	
5.98E-05	0|0	Cs6g19310.1	5.55	0	0	2	MASCOT	T	PLEX8	
1.27E-02	0|0	Cs6g19310.1	5.55	0	0	2	MASCOT	T	PLEX8	
9.50E-03	0|0	Cs6g19310.1/Cs7g123	4.14	0	0	2	MASCOT	T	PLEX8	

8.69E-03	0|0	Cs6g19310.1/Cs7g123	4.14	0	0	2	MASCOT	T		
8.67E-02	0|0	Cs6g19310.1/Cs7g123	4.14	0	0	2	MASCOT	T		
2.09E-03	0|0	Cs6g19310.1	4.37	0	0	2	MASCOT	T	PLEX8	
2.36E-01	0|0	Cs6g19310.1	4.37	0	0	2	MASCOT	T		
9.25E-02	0|0	Cs5g02720.1/Cs6g193	5.88	0	0	2	MASCOT	T	PLEX8	
4.88E-02	0|0	Cs6g19310.1 ! Cs7g12	5.32	0	0	2	MASCOT	T	PLEX8	
1.82E-02	0|0	Cs6g19310.1 ! Cs7g12	5.32	0	0	2	MASCOT	T		
9.83E-02	0|0	Cs5g02720.1/orange1.	4.21	0	0	2	MASCOT	T	PLEX8	
1.06E-02	0|0	Cs5g02720.1/orange1.	4.21	0	0	2	MASCOT	T	PLEX8	
1.31E-02	0|0	Cs5g02720.1/orange1.	4.21	0	0	2	MASCOT	T		
4.72E-01	0|0	Cs5g02720.1/Cs6g193	9.75	0	0	2	MASCOT	T	PLEX8	
2.55E-01	0|0	Cs5g02720.1/Cs6g193	9.75	0	0	2	MASCOT	T	PLEX8	
4.00E-04	0|0	Cs5g02720.1/Cs6g193	9.75	0	0	2	MASCOT	T		
3.26E-02	0|0	Cs6g19310.1	4.03	0	0	2	MASCOT	T		
7.15E-02	0|0	Cs5g02720.1/Cs6g193	8.59	0	0	2	MASCOT	T	PLEX8	
3.05E-02	0|0	Cs5g02720.1/Cs6g193	8.59	0	0	2	MASCOT	T	PLEX8	
1.66E-01	0|0	Cs5g02720.1/Cs6g193	8.59	0	0	2	MASCOT	T	PLEX8	
1.52E-01	0|0	Cs5g02720.1/Cs6g193	8.59	0	0	2	MASCOT	T		
7.15E-02	0|0	Cs5g02720.1/Cs6g193	8.59	0	0	2	MASCOT	T	PLEX8	
6.90E-02	0|0	Cs5g02720.1/Cs6g193	8.59	0	0	2	MASCOT	T	PLEX8	
6.39E-02	0|0	Cs5g02720.1/Cs6g193	8.59	0	0	2	MASCOT	T		
2.20E-02	0|0	Cs6g19310.1/Cs7g123	8.72	0	15.9	0	2	MASCOT	T	PLEX8
7.96E-02	0|0	Cs3g27030.1/Cs3g270	3.92	0	0	2	MASCOT	T		
8.84E-02	0|0	Cs3g27030.1/Cs3g270	8.22	0	0	2	MASCOT	T	PLEX8	
1.70E-03	0|0	Cs3g27030.1/Cs3g270	8.22	0	0	2	MASCOT	T	PLEX8	
1.12E-01	0|0	Cs3g27030.1/Cs3g270	8.22	0	0	2	MASCOT	T	PLEX8	
3.99E-02	0|0	Cs3g27030.1/Cs3g270	8.22	0	0	2	MASCOT	T	PLEX8	
5.03E-04	0|0	Cs3g27030.1	8.75	0	0	2	MASCOT	T		
5.97E-02	0|0	Cs3g27030.1/Cs3g270	9.76	0	0	2	MASCOT	T	PLEX8	
1.00E-02	0|0	Cs3g27030.1/Cs3g270	9.76	0	0	2	MASCOT	T	PLEX8	
8.04E-03	0|0	Cs3g27030.1/Cs3g270	4.14	0	0	2	MASCOT	T		
2.40E-01	0|0	Cs3g27030.1/Cs3g270	4.37	0	0	2	MASCOT	T	PLEX8	
9.42E-02	0|0	Cs3g27030.1	6.92	0	0	2	MASCOT	T	PLEX8	
1.10E-03	0|0	Cs3g27030.1	6.92	0	0	2	MASCOT	T	PLEX8	
4.73E-03	0|0	Cs3g27030.1	6.92	0	0	2	MASCOT	T	PLEX8	
2.26E-04	0|0	Cs3g27030.1	6.92	0	0	2	MASCOT	T	PLEX8	
6.88E-02	0|0	Cs3g27030.1/Cs3g270	8.59	0	0	2	MASCOT	T	PLEX8	
3.03E-01	0|0	Cs3g27030.1/Cs3g270	8.59	0	0	2	MASCOT	T	PLEX8	
9.34E-03	0|0	Cs3g27030.1/Cs3g270	4.37	0	0	2	MASCOT	T	PLEX8	
7.19E-06	0|0	Cs3g27030.1/Cs3g270	4.37	0	0	2	MASCOT	T	PLEX8	
5.63E-04	0|0	Cs3g27030.1/Cs3g270	4.53	0	0	2	MASCOT	T		
2.65E-04	0|0	Cs3g27030.1/Cs3g270	4.53	0	0	2	MASCOT	T		
6.89E-03	0|0	Cs3g24680.1/Cs4g092	6	0	0	2	MASCOT	T	PLEX8	
8.95E-02	0|0	Cs3g24680.1/Cs4g092	6	0	0	2	MASCOT	T		
1.92E-01	0|0	Cs3g24680.1/Cs4g092	6	0	0	2	MASCOT	T	PLEX8	
1.43E-01	0|0	Cs3g24680.1/Cs4g092	6	0	0	2	MASCOT	T		
1.82E-03	0|0	Cs3g27030.1/Cs3g270	6	0	0	2	MASCOT	T	PLEX8	
9.26E-02	0|0	Cs3g27030.1/Cs3g270	6	0	0	2	MASCOT	T	PLEX8	
7.40E-03	0|0	Cs3g27030.1/Cs3g270	6	0	0	2	MASCOT	T	PLEX8	
6.27E-02	0|0	Cs3g27030.1/Cs3g270	6	0	0	2	MASCOT	T	PLEX8	
7.15E-02	0|0	Cs3g27030.1/Cs3g270	6	0	0	2	MASCOT	T	PLEX8	

4.61E-03	0|0	Cs3g27030.1/Cs3g270	6	0	0	2	MASCOT	T	PLEX8	
5.85E-02	0|0	Cs3g27030.1/Cs3g270	6	0	0	2	MASCOT	T		
9.37E-03	0|0	Cs3g27030.1/Cs3g270	6	0	0	2	MASCOT	T		
1.71E-02	0|0	Cs3g14220.1/Cs3g142	5.84	0	0	2	MASCOT	T		
7.40E-02	0|0	Cs3g14220.1/Cs3g142	4.21	0	0	2	MASCOT	T	PLEX8	
1.51E-01	0|0	Cs3g14220.1/Cs3g142	4.21	0	0	2	MASCOT	T	PLEX8	
4.08E-03	0|0	Cs3g14220.1/Cs3g142	3.83	0	0	2	MASCOT	T	PLEX8	
9.00E-04	0|0	Cs3g14220.1/Cs3g142	5.96	1	0	2	MASCOT	T	PLEX8	
3.00E-02	0|0	Cs5g01840.1/Cs5g018	5.32	0	0	2	MASCOT	T	PLEX8	
6.46E-03	0|0	Cs5g01840.1/Cs5g018	5.32	0	0	2	MASCOT	T	PLEX8	
1.96E-03	0|0	Cs5g01840.1/Cs5g018	5.32	0	0	2	MASCOT	T	PLEX8	
2.91E-03	0|0	Cs5g01840.1/Cs5g018	5.32	0	0	2	MASCOT	T	PLEX8	
1.11E-01	0|0	Cs5g01840.1/Cs5g018	5.84	0	0	2	MASCOT	T	PLEX8	
4.20E-03	0|0	Cs5g01840.1/Cs5g018	5.84	0	0	2	MASCOT	T	PLEX8	
1.48E-01	0|0	Cs5g01840.1/Cs5g018	4.37	0	0	2	MASCOT	T		
3.92E-03	0|0	Cs5g01840.1/Cs5g018	4.37	0	0	2	MASCOT	T		
1.29E-03	0|0	Cs5g01840.1/Cs5g018	4.37	0	0	2	MASCOT	T		
3.79E-02	0|0	Cs5g01840.1/Cs5g018	4.53	0	15.9	0	2	MASCOT	T	
2.53E-03	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	PLEX8	
9.99E-05	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	PLEX8	
2.21E-02	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	PLEX8	
9.07E-04	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	PLEX8	
3.84E-04	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T		
2.48E-06	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T		
6.64E-05	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T		
2.69E-04	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T		
5.09E-01	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T		
2.27E-03	0|0	Cs5g01840.1/Cs5g018	4.37	0	0	2	MASCOT	T		
1.53E-01	0|0	Cs3g14220.1/Cs3g142	4.14	0	0	2	MASCOT	T	PLEX8	
1.68E-04	0|0	Cs5g01840.1/Cs5g018	6	0	0	2	MASCOT	T	PLEX8	
8.97E-04	0|0	Cs5g01840.1/Cs5g018	6	0	0	2	MASCOT	T	PLEX8	
9.81E-02	0|0	Cs5g01840.1/Cs5g018	6	0	0	2	MASCOT	T	PLEX8	
3.47E-02	0|0	Cs3g14220.1/Cs3g142	5.5	0	0	2	MASCOT	T	PLEX8	
2.49E-01	0|0	Cs3g14220.1/Cs3g142	5.5	0	0	2	MASCOT	T	PLEX8	
3.37E-02	0|0	Cs3g14220.1/Cs3g142	5.5	0	0	2	MASCOT	T	PLEX8	
1.71E-02	0|0	Cs3g14220.1/Cs3g142	5.84	0	0	2	MASCOT	T		
7.40E-02	0|0	Cs3g14220.1/Cs3g142	4.21	0	0	2	MASCOT	T	PLEX8	
1.51E-01	0|0	Cs3g14220.1/Cs3g142	4.21	0	0	2	MASCOT	T	PLEX8	
4.08E-03	0|0	Cs3g14220.1/Cs3g142	3.83	0	0	2	MASCOT	T	PLEX8	
1.21E-04	0|0	Cs3g14220.1/Cs3g142	4.53	0	0	2	MASCOT	T	PLEX8	
1.49E-02	0|0	Cs3g14220.1/Cs3g142	4.17	0	0	2	MASCOT	T	PLEX8	
9.00E-04	0|0	Cs3g14220.1/Cs3g142	5.96	1	0	2	MASCOT	T	PLEX8	
1.27E-02	0|0	Cs3g14220.1/Cs3g142	6	0	0	2	MASCOT	T	PLEX8	
2.04E-02	0|0	Cs3g14220.1/Cs3g142	4.14	0	15.9	0	2	MASCOT	T	PLEX8
2.69E-05	0|0	Cs3g14220.1/Cs3g142	4.14	0	0	2	MASCOT	T	PLEX8	
2.53E-03	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	PLEX8	
9.99E-05	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	PLEX8	
2.21E-02	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	PLEX8	
9.07E-04	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	PLEX8	
3.84E-04	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T		
2.48E-06	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T		

6.64E-05	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	
2.69E-04	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	
5.09E-01	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	
1.53E-01	0|0	Cs3g14220.1/Cs3g142	4.14	0	0	2	MASCOT	T	PLEX8
3.47E-02	0|0	Cs3g14220.1/Cs3g142	5.5	0	0	2	MASCOT	T	PLEX8
2.49E-01	0|0	Cs3g14220.1/Cs3g142	5.5	0	0	2	MASCOT	T	PLEX8
3.37E-02	0|0	Cs3g14220.1/Cs3g142	5.5	0	0	2	MASCOT	T	PLEX8
4.78E-02	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	
3.94E-06	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	
2.32E-02	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	
6.87E-06	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	
3.44E-02	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	
1.67E-02	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	
5.59E-02	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	
7.82E-02	0|0	Cs3g14220.1/Cs3g142	5.81	0	0	2	MASCOT	T	PLEX8
2.38E-02	0|0	orange1.1t03730.1/ora	3.92	0	0	2	MASCOT	T	PLEX8
3.55E-01	0|0	orange1.1t03730.1/ora	5.84	0	0	2	MASCOT	T	PLEX8
3.22E-05	0|0	orange1.1t03730.1/ora	4.53	0	0	2	MASCOT	T	PLEX8
1.06E-06	0|0	orange1.1t03730.1/ora	4.53	0	0	2	MASCOT	T	PLEX8
1.04E-04	0|0	orange1.1t03730.1/ora	4.53	0	0	2	MASCOT	T	PLEX8
5.81E-04	0|0	orange1.1t03730.1/ora	4.53	0	0	2	MASCOT	T	PLEX8
2.90E-02	0|0	orange1.1t03730.1/ora	4.53	0 15.9	0	2	MASCOT	T	PLEX8
1.81E-02	0|0	orange1.1t03730.1/ora	4.53	0	0	2	MASCOT	T	PLEX8
2.53E-03	0|0	orange1.1t03730.1/ora	4.53	0	0	2	MASCOT	T	PLEX8
2.22E-03	0|0	orange1.1t03730.1/ora	4.53	0	0	2	MASCOT	T	PLEX8
1.34E-03	0|0	orange1.1t03730.1/ora	4.53	0	0	2	MASCOT	T	PLEX8
5.80E-02	0|0	orange1.1t03730.1/ora	4.53	0	0	2	MASCOT	T	PLEX8
1.62E-01	0|0	orange1.1t03730.1/ora	4.21	0	0	2	MASCOT	T	PLEX8
1.86E-01	0|0	orange1.1t03730.1/ora	4.21	0	0	2	MASCOT	T	PLEX8
1.05E-01	0|0	orange1.1t03730.1/ora	5.75	0	0	2	MASCOT	T	PLEX8
2.04E-01	0|0	Cs5g17830.1/Cs5g178	5.84	0	0	2	MASCOT	T	PLEX8
1.51E-02	0|0	Cs5g17830.1/Cs5g178	5.84	0	0	2	MASCOT	T	PLEX8
3.30E-01	0|0	Cs5g17830.1/Cs5g178	5.84	0	0	2	MASCOT	T	PLEX8
3.45E-02	0|0	Cs5g17830.1/Cs5g178	5.84	0	0	2	MASCOT	T	PLEX8
7.64E-03	0|0	orange1.1t03730.1/ora	6	0	0	2	MASCOT	T	PLEX8
1.86E-01	0|0	orange1.1t03730.1/ora	6	0	0	2	MASCOT	T	PLEX8
1.54E-03	0|0	orange1.1t03730.1/ora	6	0	0	2	MASCOT	T	PLEX8
2.41E-01	0|0	orange1.1t03730.1/ora	5.72	0	0	2	MASCOT	T	PLEX8
3.39E-02	0|0	orange1.1t03730.1/ora	5.37	0	0	2	MASCOT	T	PLEX8
1.26E-02	0|0	orange1.1t03730.1/ora	5.37	0	0	2	MASCOT	T	PLEX8
1.53E-01	0|0	orange1.1t03730.1/ora	5.37	0	0	2	MASCOT	T	PLEX8
1.93E-02	0|0	Cs5g17830.1/Cs5g178	4.37	0	0	2	MASCOT	T	PLEX8
8.01E-02	0|0	orange1.1t03730.1/ora	4.08	0	0	2	MASCOT	T	PLEX8
3.15E-01	0|0	orange1.1t03730.1/ora	8.59	0	0	2	MASCOT	T	PLEX8
2.28E-01	0|0	orange1.1t03730.1/ora	8.59	0	0	2	MASCOT	T	PLEX8
4.16E-02	0|0	orange1.1t03730.1/ora	8.59	0	0	2	MASCOT	T	PLEX8
4.39E-06	0|0	Cs4g12660.1/Cs4g126	5.4	0	0	2	MASCOT	T	PLEX8
8.34E-03	0|0	Cs4g12660.1/Cs4g126	4.25	0	0	2	MASCOT	T	PLEX8
2.08E-02	0|0	Cs4g12660.1/Cs4g126	8.75	0	0	2	MASCOT	T	PLEX8
4.44E-04	0|0	Cs4g12660.1/Cs4g126	8.75	0	0	2	MASCOT	T	PLEX8
1.02E-01	0|0	Cs4g12660.1/Cs4g126	8.75	0	0	2	MASCOT	T	PLEX8

1.84E-02	0|0	Cs4g12660.1/Cs4g126	8.75	0	0	2	MASCOT	T	PLEX8
4.81E-04	0|0	Cs4g12660.1/Cs4g126	8.75	0	0	2	MASCOT	T	PLEX8
1.06E-01	0|0	Cs4g12660.1/Cs4g126	8.75	0	0	2	MASCOT	T	PLEX8
1.65E-02	0|0	Cs4g12660.1/Cs4g126	8.25	1	0	2	MASCOT	T	PLEX8
7.00E-06	0|0	Cs4g12660.1/Cs4g126	4.53	0	0	2	MASCOT	T	PLEX8
3.95E-06	0|0	Cs4g12660.1/Cs4g126	4.53	0	0	2	MASCOT	T	PLEX8
5.91E-03	0|0	Cs4g12660.1/Cs4g126	8.8	0	0	2	MASCOT	T	PLEX8
1.63E-02	0|0	Cs4g12660.1/Cs4g126	8.8	0	0	2	MASCOT	T	PLEX8
6.43E-02	0|0	Cs4g12660.1/Cs4g126	8.8	0	0	2	MASCOT	T	PLEX8
1.76E-01	0|0	Cs4g12660.1/Cs4g126	8.8	0	0	2	MASCOT	T	PLEX8
4.00E-03	0|0	Cs4g12660.1/Cs4g126	8.8	0	0	2	MASCOT	T	PLEX8
3.23E-04	0|0	Cs4g12660.1/Cs4g126	8.8	0	0	2	MASCOT	T	PLEX8
4.77E-03	0|0	Cs4g12660.1/Cs4g126	8.8	0	0	2	MASCOT	T	PLEX8
1.34E-01	0|0	Cs4g12660.1/Cs4g126	5.84	0	0	2	MASCOT	T	PLEX8
4.08E-01	0|0	Cs4g12660.1/Cs4g126	5.84	0	0	2	MASCOT	T	PLEX8
1.56E-01	0|0	Cs4g12660.1/Cs4g126	9.75	0	0	2	MASCOT	T	PLEX8
1.87E-03	0|0	Cs4g12660.1/Cs4g126	6.74	0	0	2	MASCOT	T	PLEX8
5.11E-02	0|0	Cs4g12660.1/Cs4g126	6.74	0	0	2	MASCOT	T	PLEX8
9.34E-02	0|0	Cs4g12660.1/Cs4g126	6.74	0	0	2	MASCOT	T	PLEX8
5.78E-02	0|0	Cs4g12660.1/Cs4g126	5.83	0	0	2	MASCOT	T	PLEX8
1.37E-01	0|0	Cs4g12660.1/Cs4g126	5.83	0	0	2	MASCOT	T	PLEX8
3.65E-02	0|0	Cs4g12660.1/Cs4g126	8.41	0	0	2	MASCOT	T	PLEX8
2.13E-03	0|0	Cs4g12660.1/Cs4g126	8.41	0	0	2	MASCOT	T	PLEX8
5.82E-03	0|0	Cs4g12660.1/Cs4g126	4.53	0	0	2	MASCOT	T	PLEX8
3.91E-08	0|0	Cs4g12660.1/Cs4g126	4.53	0	0	2	MASCOT	T	PLEX8
5.95E-02	0|0	Cs8g02310.1/Cs8g023	4.37	0	0	2	MASCOT	T	PLEX8
4.07E-02	0|0	Cs8g02310.1/Cs8g023	4.37	0	0	2	MASCOT	T	PLEX8
1.37E-03	0|0	Cs8g02310.1/Cs8g023	4.37	0	0	2	MASCOT	T	PLEX8
1.90E-02	0|0	Cs8g02310.1/Cs8g023	4.37	0	0	2	MASCOT	T	PLEX8
5.90E-03	0|0	Cs8g02310.1/Cs8g023	4.37	0	0	2	MASCOT	T	PLEX8
7.94E-05	0|0	Cs8g02310.1/Cs8g023	4.37	0	0	2	MASCOT	T	PLEX8
4.83E-03	0|0	Cs8g02310.1/Cs8g023	4.37	0	0	2	MASCOT	T	PLEX8
2.68E-01	0|0	Cs8g02310.1/Cs8g023	6	0	0	2	MASCOT	T	PLEX8
1.07E-02	0|0	Cs8g02310.1/Cs8g023	6	0	0	2	MASCOT	T	PLEX8
7.19E-04	0|0	Cs8g02310.1/Cs8g023	5.84	0	0	2	MASCOT	T	PLEX8
1.88E-01	0|0	Cs8g02310.1/Cs8g023	5.72	0	0	2	MASCOT	T	PLEX8
2.51E-02	0|0	Cs8g02310.1/Cs8g023	5.72	0	0	2	MASCOT	T	PLEX8
1.60E-01	0|0	Cs8g02310.1/Cs8g023	5.72	0	0	2	MASCOT	T	PLEX8
1.26E-01	0|0	Cs8g02310.1/Cs8g023	5.5	0	0	2	MASCOT	T	PLEX8
3.14E-01	0|0	Cs8g02310.1/Cs8g023	5.5	0	0	2	MASCOT	T	PLEX8
1.05E-05	0|0	Cs8g02310.1/Cs8g023	4	0	0	2	MASCOT	T	PLEX8
2.94E-04	0|0	Cs8g02310.1/Cs8g023	5.21	0	0	2	MASCOT	T	PLEX8
9.98E-03	0|0	Cs8g02310.1/Cs8g023	5.21	0	0	2	MASCOT	T	PLEX8
3.82E-04	0|0	Cs8g02310.1/Cs8g023	4.14	0	0	2	MASCOT	T	PLEX8
1.31E-03	0|0	Cs8g02310.1/Cs8g023	4.14	0	0	2	MASCOT	T	PLEX8
4.49E-01	0|0	Cs8g02310.1/Cs8g023	4.53	0	0	2	MASCOT	T	PLEX8
2.01E-02	0|0	Cs8g02310.1/Cs8g023	4.53	0	0	2	MASCOT	T	PLEX8
7.50E-03	0|0	Cs8g02310.1/Cs8g023	6.75	1	0	2	MASCOT	T	PLEX8
5.96E-02	0|0	Cs8g02310.1/Cs8g023	4.68	1	0	2	MASCOT	T	PLEX8
5.26E-02	0|0	Cs8g02310.1/Cs8g023	4.68	1	0	2	MASCOT	T	PLEX8
8.58E-04	0|0	Cs8g02310.1/Cs8g023	5.5	0	0	2	MASCOT	T	PLEX8

2.88E-02	0|0	Cs8g02310.1/Cs8g023	5.5	0	0	2	MASCOT	T
3.81E-02	0|0	Cs8g02310.1/Cs8g023	5.5	0	0	2	MASCOT	T
1.91E-03	0|0	Cs8g02310.1/Cs8g023	5.5	0	0	2	MASCOT	T
4.13E-05	0|0	Cs8g02310.1/Cs8g023	5.5	0	0	2	MASCOT	T
3.73E-02	0|0	Cs5g05840.1/Cs5g058	4.25	0	0	2	MASCOT	T PLEX8
7.13E-02	0|0	Cs5g05840.1/Cs5g058	4.25	0	0	2	MASCOT	T PLEX8
8.00E-02	0|0	Cs5g05840.1/Cs5g058	4.25	0	0	2	MASCOT	T PLEX8
8.10E-02	0|0	Cs5g05840.1/Cs5g058	4.25	0	0	2	MASCOT	T PLEX8
8.65E-05	0|0	Cs5g05840.1/Cs5g058	6.04	0	0	2	MASCOT	T PLEX8
9.54E-02	0|0	Cs5g05840.1/Cs5g058	5.4	0	0	2	MASCOT	T PLEX8
1.30E-03	0|0	Cs5g05840.1/Cs5g058	8.59	0	0	2	MASCOT	T PLEX8
3.83E-03	0|0	Cs5g05840.1/Cs5g058	8.59	0	0	2	MASCOT	T PLEX8
6.16E-03	0|0	Cs5g05840.1/Cs5g058	8.59	0	0	2	MASCOT	T PLEX8
7.49E-03	0|0	Cs5g05840.1/Cs5g058	8.59	0	0	2	MASCOT	T PLEX8
2.69E-02	0|0	Cs5g05840.1/Cs5g058	8.2	0	0	2	MASCOT	T PLEX8
6.20E-03	0|0	Cs5g05840.1/Cs5g058	8.2	0	0	2	MASCOT	T PLEX8
2.64E-01	0|0	Cs5g05840.1/Cs5g058	8.2	0	0	2	MASCOT	T PLEX8
9.67E-03	0|0	Cs5g05840.1/Cs5g058	8.2	0	0	2	MASCOT	T PLEX8
1.04E-01	0|0	Cs5g05840.1/Cs5g058	4.53	0	0	2	MASCOT	T PLEX8
1.73E-01	0|0	Cs5g05840.1/Cs5g058	4.53	0	0	2	MASCOT	T PLEX8
4.04E-02	0|0	Cs6g20960.1/Cs7g263	4.03	0	0	2	MASCOT	T
5.46E-03	0|0	orange1.1t02413.1	4.37	0	0	2	MASCOT	T
2.53E-02	0|0	orange1.1t02413.1	3.9	1	0	2	MASCOT	T PLEX8
5.26E-03	0|0	orange1.1t02413.1	3.9	1	0	2	MASCOT	T
9.85E-04	0|0	Cs5g05840.1/Cs5g058	4.48	0	0	2	MASCOT	T PLEX8
3.00E-02	0|0	Cs5g05840.1/Cs5g058	4.48	0	0	2	MASCOT	T PLEX8
4.76E-05	0|0	Cs5g05840.1/Cs5g058	4.48	0	0	2	MASCOT	T
6.35E-03	0|0	Cs5g05840.1/Cs5g058	4.48	0	0	2	MASCOT	T
1.31E-01	0|0	Cs5g05840.1/Cs5g058	4.53	0	0	2	MASCOT	T
6.32E-03	0|0	Cs5g05840.1/Cs5g058	4.53	0	0	2	MASCOT	T
3.65E-03	0|0	Cs8g15970.1/Cs8g159	4.21	0	0	2	MASCOT	T PLEX8
1.47E-01	0|0	Cs5g05840.1/Cs5g058	4.21	0	0	2	MASCOT	T PLEX8
3.73E-02	0|0	Cs5g05840.1/Cs5g058	4.25	0	0	2	MASCOT	T PLEX8
7.13E-02	0|0	Cs5g05840.1/Cs5g058	4.25	0	0	2	MASCOT	T PLEX8
8.00E-02	0|0	Cs5g05840.1/Cs5g058	4.25	0	0	2	MASCOT	T PLEX8
8.10E-02	0|0	Cs5g05840.1/Cs5g058	4.25	0	0	2	MASCOT	T PLEX8
8.65E-05	0|0	Cs5g05840.1/Cs5g058	6.04	0	0	2	MASCOT	T PLEX8
9.54E-02	0|0	Cs5g05840.1/Cs5g058	5.4	0	0	2	MASCOT	T PLEX8
1.30E-03	0|0	Cs5g05840.1/Cs5g058	8.59	0	0	2	MASCOT	T PLEX8
3.83E-03	0|0	Cs5g05840.1/Cs5g058	8.59	0	0	2	MASCOT	T PLEX8
6.16E-03	0|0	Cs5g05840.1/Cs5g058	8.59	0	0	2	MASCOT	T PLEX8
7.49E-03	0|0	Cs5g05840.1/Cs5g058	8.59	0	0	2	MASCOT	T PLEX8
2.69E-02	0|0	Cs5g05840.1/Cs5g058	8.2	0	0	2	MASCOT	T PLEX8
6.20E-03	0|0	Cs5g05840.1/Cs5g058	8.2	0	0	2	MASCOT	T PLEX8
2.64E-01	0|0	Cs5g05840.1/Cs5g058	8.2	0	0	2	MASCOT	T PLEX8
9.67E-03	0|0	Cs5g05840.1/Cs5g058	8.2	0	0	2	MASCOT	T PLEX8
3.54E-02	0|0	Cs5g05840.1/Cs5g058	3.92	0	0	2	MASCOT	T
1.04E-01	0|0	Cs5g05840.1/Cs5g058	4.53	0	0	2	MASCOT	T PLEX8
1.73E-01	0|0	Cs5g05840.1/Cs5g058	4.53	0	0	2	MASCOT	T PLEX8
4.04E-02	0|0	Cs6g20960.1/Cs7g263	4.03	0	0	2	MASCOT	T
9.85E-04	0|0	Cs5g05840.1/Cs5g058	4.48	0	0	2	MASCOT	T PLEX8

3.00E-02	0|0	Cs5g05840.1/Cs5g058	4.48	0	0	2	MASCOT	T	PLEX8	
4.76E-05	0|0	Cs5g05840.1/Cs5g058	4.48	0	0	2	MASCOT	T		
6.35E-03	0|0	Cs5g05840.1/Cs5g058	4.48	0	0	2	MASCOT	T		
1.31E-01	0|0	Cs5g05840.1/Cs5g058	4.53	0	0	2	MASCOT	T		
6.32E-03	0|0	Cs5g05840.1/Cs5g058	4.53	0	0	2	MASCOT	T		
1.91E-03	0|0	Cs5g05840.1/Cs5g058	4.21	0	0	2	MASCOT	T		
4.42E-01	0|0	Cs5g05840.1/Cs5g058	5.21	0	0	2	MASCOT	T	PLEX8	
1.47E-01	0|0	Cs5g05840.1/Cs5g058	4.21	0	0	2	MASCOT	T	PLEX8	
2.43E-02	0|0	Cs9g10470.1	5.56	0	0	2	MASCOT	T	PLEX8	
1.31E-01	0|0	Cs9g10470.1/Cs9g104	6.78	0	0	2	MASCOT	T	PLEX8	
4.18E-02	0|0	Cs9g10470.1/Cs9g104	6.78	0	0	2	MASCOT	T	PLEX8	
7.24E-02	0|0	Cs9g10470.1/Cs9g104	6.78	0	0	2	MASCOT	T	PLEX8	
1.25E-03	0|0	Cs9g10470.1/Cs9g104	6.78	0	0	2	MASCOT	T	PLEX8	
3.40E-03	0|0	Cs9g10470.1/Cs9g104	6.78	0	0	2	MASCOT	T	PLEX8	
2.43E-03	0|0	Cs9g10470.1/Cs9g104	6.78	0	0	2	MASCOT	T	PLEX8	
7.07E-02	0|0	Cs1g03610.1/Cs1g036	6.1	0	0	2	MASCOT	T	PLEX8	
3.80E-02	0|0	Cs9g10470.1	4.25	1	0	2	MASCOT	T	PLEX8	
2.75E-03	0|0	Cs9g10470.1	3.91	0	0	2	MASCOT	T	PLEX8	
7.51E-04	0|0	Cs9g10470.1/Cs9g104	5.84	0	0	2	MASCOT	T	PLEX8	
3.14E-03	0|0	Cs1g03610.1/Cs1g036	6.74	0	0	2	MASCOT	T	PLEX8	
4.35E-04	0|0	Cs1g03610.1/Cs1g036	6.74	0	0	2	MASCOT	T	PLEX8	
5.12E-03	0|0	Cs1g03610.1/Cs1g036	6.74	0	0	2	MASCOT	T	PLEX8	
3.36E-03	0|0	Cs9g10470.1/Cs9g104	4.37	0	15.9	0	2	MASCOT	T	PLEX8
1.90E-02	0|0	Cs9g10470.1/Cs9g104	4.37	0	15.9	0	2	MASCOT	T	PLEX8
4.50E-02	0|0	Cs9g10470.1/Cs9g104	4.37	0	15.9	0	2	MASCOT	T	PLEX8
8.56E-03	0|0	Cs9g10470.1/Cs9g104	4.37	0	15.9	0	2	MASCOT	T	
6.51E-03	0|0	Cs9g10470.1/Cs9g104	4.37	0	0	2	MASCOT	T	PLEX8	
3.42E-01	0|0	Cs9g10470.1/Cs9g104	4.37	0	0	2	MASCOT	T		
2.74E-02	0|0	Cs1g03610.1/Cs1g036	8.25	0	0	2	MASCOT	T	PLEX8	
3.40E-01	0|0	Cs1g03610.1/Cs1g036	8.59	0	0	2	MASCOT	T	PLEX8	
4.00E-02	0|0	Cs1g03610.1/Cs1g036	8.72	0	0	2	MASCOT	T		
1.43E-04	0|0	Cs1g03610.1/Cs1g036	8.72	0	0	2	MASCOT	T		
1.85E-03	0|0	Cs1g03610.1/Cs1g036	8.72	0	0	2	MASCOT	T		
4.80E-02	0|0	Cs9g10470.1/Cs9g104	6.05	0	0	2	MASCOT	T	PLEX8	
3.64E-01	0|0	Cs1g03610.1/Cs1g036	8.75	0	0	2	MASCOT	T	PLEX8	
4.36E-05	0|0	Cs8g03010.1/Cs8g030	3.93	0	0	2	MASCOT	T	PLEX8	
4.60E-02	0|0	Cs8g03010.1/Cs8g030	5.88	0	0	2	MASCOT	T	PLEX8	
1.07E-01	0|0	Cs8g03010.1/Cs8g030	6.1	0	0	2	MASCOT	T	PLEX8	
2.99E-01	0|0	Cs3g04960.1/Cs3g049	6.1	0	0	2	MASCOT	T	PLEX8	
3.15E-03	0|0	Cs3g04960.1/Cs8g030	6	0	0	2	MASCOT	T	PLEX8	
6.97E-02	0|0	Cs3g04960.1/Cs8g030	6	0	0	2	MASCOT	T	PLEX8	
3.57E-03	0|0	Cs3g04960.1/Cs8g030	6	0	0	2	MASCOT	T	PLEX8	
4.22E-02	0|0	Cs3g04960.1/Cs8g030	6	0	0	2	MASCOT	T	PLEX8	
1.50E-03	0|0	Cs3g04960.1/Cs8g030	6	0	0	2	MASCOT	T	PLEX8	
4.15E-01	0|0	Cs3g04960.1/Cs3g049	9.76	0	0	2	MASCOT	T	PLEX8	
3.10E-02	0|0	Cs3g04960.1/Cs3g049	9.76	0	0	2	MASCOT	T	PLEX8	
2.09E-01	0|0	Cs3g04960.1/Cs3g049	9.76	0	0	2	MASCOT	T	PLEX8	
2.52E-01	0|0	Cs3g04960.1/Cs3g049	9.76	0	0	2	MASCOT	T	PLEX8	
3.82E-01	0|0	Cs3g04960.1/Cs3g049	5.55	0	0	2	MASCOT	T	PLEX8	
5.58E-06	0|0	Cs3g04960.1/Cs3g049	5.55	0	0	2	MASCOT	T	PLEX8	
1.22E-04	0|0	Cs8g03010.1/Cs8g030	6	0	0	2	MASCOT	T	PLEX8	

1.85E-01 0|0	Cs8g03010.1/Cs8g030	4.37	0	0	2 MASCOT	T	PLEX8
4.34E-03 0|0	Cs8g03010.1/Cs8g030	4.37	0	0	2 MASCOT	T	PLEX8
5.65E-02 0|0	Cs8g03010.1/Cs8g030	4.37	0	0	2 MASCOT	T	PLEX8
4.55E-02 0|0	Cs8g03010.1/Cs8g030	8.75	0	0	2 MASCOT	T	PLEX8
3.77E-02 0|0	Cs8g03010.1/Cs8g030	8.75	0	0	2 MASCOT	T	PLEX8
1.97E-01 0|0	Cs8g03010.1/Cs8g030	4	0	0	2 MASCOT	T	PLEX8
2.27E-04 0|0	Cs8g03010.1/Cs8g030	4	0	0	2 MASCOT	T	PLEX8
2.84E-02 0|0	Cs8g03010.1/Cs8g030	4	0	0	2 MASCOT	T	PLEX8
4.01E-01 0|0	Cs8g03010.1/Cs8g030	4.37	0	0	2 MASCOT	T	PLEX8
3.99E-02 0|0	Cs3g04960.1/Cs8g030	8.41	0	0	2 MASCOT	T	PLEX8
3.98E-03 0|0	Cs3g23930.1/Cs3g239	4.14	0	0	2 MASCOT	T	PLEX8
5.74E-03 0|0	Cs3g23930.1	4.03	0	0	2 MASCOT	T	PLEX8
6.20E-03 0|0	Cs3g23930.1	4.03	0	0	2 MASCOT	T	PLEX8
2.33E-03 0|0	Cs3g23930.1/Cs3g239	4.48	0	0	2 MASCOT	T	PLEX8
7.09E-03 0|0	Cs3g23930.1/Cs3g239	4.37	0	0	2 MASCOT	T	
3.59E-02 0|0	Cs3g23930.1/Cs3g239	6.47	0	0	2 MASCOT	T	PLEX8
6.18E-02 0|0	Cs3g23930.1/Cs3g239	6.47	0	0	2 MASCOT	T	PLEX8
6.22E-03 0|0	Cs3g23930.1/Cs3g239	6.47	0	0	2 MASCOT	T	
1.42E-01 0|0	Cs3g23930.1/Cs3g239	5.55	0	0	2 MASCOT	T	PLEX8
1.06E-01 0|0	Cs3g23930.1/Cs3g239	5.55	0	0	2 MASCOT	T	PLEX8
1.17E-01 0|0	Cs3g23930.1/Cs3g239	5.55	0	0	2 MASCOT	T	PLEX8
5.23E-02 0|0	Cs3g23930.1	5.55	0	0	2 MASCOT	T	PLEX8
1.53E-03 0|0	Cs3g23930.1	5.55	0	0	2 MASCOT	T	PLEX8
1.31E-01 0|0	Cs3g23930.1/Cs3g239	5.81	0	0	2 MASCOT	T	
3.50E-01 0|0	Cs3g23930.1/Cs3g239	5.21	0	0	2 MASCOT	T	PLEX8
5.96E-02 0|0	Cs3g23930.1/Cs3g239	5.81	0	0	2 MASCOT	T	PLEX8
5.30E-03 0|0	Cs3g23930.1/Cs3g239	5.81	0	0	2 MASCOT	T	PLEX8
5.65E-03 0|0	Cs3g23930.1	6.74	0	0	2 MASCOT	T	PLEX8
3.53E-02 0|0	Cs3g23930.1	6.74	0	0	2 MASCOT	T	PLEX8
3.42E-02 0|0	Cs3g23930.1	5.66	0	0	2 MASCOT	T	PLEX8
6.23E-03 0|0	Cs3g23930.1	5.66	0	0	2 MASCOT	T	PLEX8
1.02E-04 0|0	Cs3g23930.1/Cs3g239	4.54	0	0	2 MASCOT	T	PLEX8
8.18E-02 0|0	Cs3g23930.1/Cs3g239	4.54	0	0	2 MASCOT	T	PLEX8
1.56E-01 0|0	Cs3g23930.1/Cs3g239	4.54	0	0	2 MASCOT	T	
3.11E-03 0|0	Cs3g23930.1/Cs3g239	4.54	0	0	2 MASCOT	T	
4.11E-01 0|0	Cs4g16050.1	4.37	0	0	2 MASCOT	T	
2.37E-02 0|0	Cs6g09690.1 ! Cs4g16	8.75	0	0	2 MASCOT	T	PLEX8
1.69E-04 0|0	Cs4g16050.1	5.84	0	0	2 MASCOT	T	PLEX8
2.51E-03 0|0	Cs4g16050.1	5.84	0	0	2 MASCOT	T	PLEX8
4.58E-02 0|0	Cs4g16050.1	6.61	0	0	2 MASCOT	T	PLEX8
4.84E-04 0|0	Cs4g16050.1 ! Cs4g19	8.72	0	0	2 MASCOT	T	PLEX8
6.29E-02 0|0	Cs4g16050.1 ! Cs4g19	8.72	0	0	2 MASCOT	T	PLEX8
2.43E-04 0|0	Cs4g16050.1 ! Cs4g19	8.72	0	0	2 MASCOT	T	PLEX8
9.40E-05 0|0	Cs4g16050.1/Cs4g198	4.37	0	0	2 MASCOT	T	
2.61E-03 0|0	Cs4g16050.1	4.37	0	0	2 MASCOT	T	
2.10E-01 0|0	Cs4g16050.1/Cs4g198	8.75	0	0	2 MASCOT	T	PLEX8
3.34E-02 0|0	Cs4g16050.1/Cs4g198	8.75	0	0	2 MASCOT	T	PLEX8
1.04E-01 0|0	Cs4g16050.1/Cs4g198	8.75	0	0	2 MASCOT	T	PLEX8
3.85E-02 0|0	Cs4g16050.1	6.07	1	0	2 MASCOT	T	PLEX8
8.71E-02 0|0	Cs4g16050.1	5.84	0	0	2 MASCOT	T	
7.10E-02 0|0	Cs4g16050.1	5.84	0	0	2 MASCOT	T	PLEX8

1.53E-01	0|0	Cs4g16050.1/Cs4g198	5.97	0	0	2	MASCOT	T	PLEX8	
1.90E-01	0|0	Cs4g16050.1/Cs4g198	5.97	0	0	2	MASCOT	T	PLEX8	
1.99E-01	0|0	Cs4g16050.1/Cs4g198	5.97	0	0	2	MASCOT	T	PLEX8	
1.58E-01	0|0	Cs4g16050.1/Cs4g198	8.19	0	0	2	MASCOT	T	PLEX8	
2.85E-02	0|0	Cs4g16050.1/Cs4g198	8.19	0	0	2	MASCOT	T	PLEX8	
2.44E-02	0|0	Cs4g16050.1/Cs4g198	8.19	0	0	2	MASCOT	T	PLEX8	
1.23E-02	0|0	Cs4g16050.1/Cs4g198	8.22	0	0	2	MASCOT	T		
1.93E-02	0|0	Cs4g16050.1/Cs4g198	8.22	0	0	2	MASCOT	T		
1.34E-01	0|0	Cs4g16050.1/Cs4g198	8.22	0	0	2	MASCOT	T		
2.58E-01	0|0	Cs8g01360.1	9.8	0	0	2	MASCOT	T	PLEX8	
2.19E-02	0|0	Cs8g01360.1	9.8	0	0	2	MASCOT	T	PLEX8	
1.32E-01	0|0	Cs8g01360.1	3.77	0	0	2	MASCOT	T	PLEX8	
5.16E-02	0|0	Cs8g01360.1	3.77	0	0	2	MASCOT	T		
9.75E-04	0|0	Cs8g01360.1	4.37	0	0	2	MASCOT	T	PLEX8	
2.09E-01	0|0	Cs8g01360.1	4.37	0	0	2	MASCOT	T		
9.81E-02	0|0	Cs8g01360.1	6.92	0	15.9	0	2	MASCOT	T	
2.21E-01	0|0	Cs8g01360.1	6.92	0	15.9	0	2	MASCOT	T	PLEX8
4.49E-02	0|0	Cs8g01360.1	6.92	0	0	2	MASCOT	T	PLEX8	
4.37E-02	0|0	Cs8g01360.1	6.92	0	0	2	MASCOT	T	PLEX8	
1.56E-02	0|0	Cs8g01360.1	6.75	0	0	2	MASCOT	T	PLEX8	
1.73E-03	0|0	Cs8g01360.1	6.75	0	0	2	MASCOT	T	PLEX8	
9.86E-04	0|0	Cs8g01360.1	6.75	0	0	2	MASCOT	T		
1.46E-01	0|0	Cs8g01360.1	4.37	0	0	2	MASCOT	T	PLEX8	
2.48E-03	0|0	Cs8g01360.1	4.25	0	0	2	MASCOT	T	PLEX8	
1.47E-04	0|0	Cs8g01360.1	4.25	0	0	2	MASCOT	T	PLEX8	
7.23E-02	0|0	Cs8g01360.1	4.37	0	0	2	MASCOT	T	PLEX8	
6.91E-02	0|0	Cs8g01360.1	9.76	0	0	2	MASCOT	T	PLEX8	
6.10E-04	0|0	Cs8g01360.1	9.76	0	0	2	MASCOT	T	PLEX8	
3.45E-02	0|0	Cs8g01360.1	9.76	0	0	2	MASCOT	T	PLEX8	
4.78E-03	0|0	Cs8g01360.1	9.76	0	0	2	MASCOT	T	PLEX8	
7.12E-02	0|0	Cs8g01360.1	3.92	0	0	2	MASCOT	T		
5.15E-02	0|0	Cs8g01360.1	4.37	0	0	2	MASCOT	T	PLEX8	
8.00E-02	0|0	Cs8g01360.1	4.37	0	0	2	MASCOT	T	PLEX8	
2.39E-01	0|0	orange1.1t00112.1 ! C;	8.72	0	0	2	MASCOT	T	PLEX8	
1.30E-01	0|0	Cs1g17330.2/Cs1g173	8.8	0	0	2	MASCOT	T	PLEX8	
1.67E-01	0|0	Cs1g17330.1/Cs1g173	4.53	0	15.9	0	2	MASCOT	T	
1.53E-03	0|0	Cs1g17330.1/Cs1g173	4.53	0	0	2	MASCOT	T	PLEX8	
2.90E-02	0|0	Cs1g17330.1/Cs1g173	6.75	0	0	2	MASCOT	T	PLEX8	
1.55E-03	0|0	Cs1g17330.1/Cs1g173	6.75	0	0	2	MASCOT	T	PLEX8	
6.51E-03	0|0	Cs1g17330.1/Cs1g173	9.75	0	0	2	MASCOT	T		
1.38E-01	0|0	Cs1g17330.1/Cs1g173	9.75	0	0	2	MASCOT	T		
1.75E-02	0|0	Cs1g17330.2/Cs1g173	6	0	0	2	MASCOT	T	PLEX8	
3.14E-02	0|0	Cs1g17330.2/Cs1g173	6	0	0	2	MASCOT	T	PLEX8	
3.62E-02	0|0	Cs1g17330.2/Cs1g173	6	0	0	2	MASCOT	T	PLEX8	
4.48E-02	0|0	Cs1g17330.1/Cs1g173	4.53	0	0	2	MASCOT	T	PLEX8	
1.42E-01	0|0	Cs1g17330.1/Cs1g173	9.73	0	15.9	0	2	MASCOT	T	PLEX8
5.68E-03	0|0	Cs1g17330.1/Cs1g173	9.73	0	15.9	0	2	MASCOT	T	PLEX8
1.57E-03	0|0	Cs1g17330.1/Cs1g173	9.73	0	0	2	MASCOT	T	PLEX8	
2.02E-01	0|0	Cs1g17330.1/Cs1g173	4.37	0	0	2	MASCOT	T	PLEX8	
3.25E-01	0|0	Cs1g17330.1/Cs1g173	6	0	0	2	MASCOT	T	PLEX8	
3.91E-02	0|0	Cs1g17330.1/Cs1g173	6	0	0	2	MASCOT	T	PLEX8	

1.89E-01	0|0	Cs1g17330.1/Cs1g173	5.84	0	0	2	MASCOT	T	PLEX8	
2.66E-01	0|0	Cs1g17330.1/Cs1g173	5.72	0	0	2	MASCOT	T	PLEX8	
6.28E-02	0|0	Cs1g17330.1/Cs1g173	9.47	0	0	2	MASCOT	T		
2.84E-02	0|0	Cs1g17330.1/Cs1g173	9.47	0	0	2	MASCOT	T		
5.65E-06	0|0	Cs1g17330.1/Cs1g173	9.47	0	0	2	MASCOT	T		
1.14E-01	0|0	Cs1g17330.1/Cs1g173	9.47	0	0	2	MASCOT	T		
8.72E-02	0|0	Cs6g15740.1/Cs6g157	4.25	0	0	2	MASCOT	T	PLEX8	
1.26E-01	0|0	Cs6g15740.1/Cs6g157	5.27	0	0	2	MASCOT	T		
7.93E-06	0|0	Cs6g15740.1/Cs6g157	5.84	0	0	2	MASCOT	T	PLEX8	
1.62E-02	0|0	Cs6g15740.1/Cs6g157	4.53	0	15.9	0	2	MASCOT	T	
2.04E-02	0|0	Cs6g15740.1/Cs6g157	4.53	0	0	2	MASCOT	T		
6.74E-03	0|0	Cs6g15740.1/Cs6g157	5.5	0	0	2	MASCOT	T	PLEX8	
7.86E-05	0|0	Cs6g15740.1/Cs6g157	4.37	0	0	2	MASCOT	T		
1.88E-01	0|0	Cs6g15740.1/Cs6g157	5.83	0	0	2	MASCOT	T	PLEX8	
6.06E-02	0|0	Cs6g15740.2	4.37	0	0	2	MASCOT	T	PLEX8	
3.73E-02	0|0	Cs6g15740.2	4.37	0	0	2	MASCOT	T	PLEX8	
4.00E-03	0|0	Cs6g15740.1/Cs6g157	6.85	0	0	2	MASCOT	T	PLEX8	
1.16E-02	0|0	Cs6g15740.2	8.59	0	0	2	MASCOT	T	PLEX8	
1.89E-02	0|0	Cs6g15740.1/Cs6g157	4.53	0	15.9	0	2	MASCOT	T	
2.05E-03	0|0	Cs6g15740.1/Cs6g157	5.72	0	0	2	MASCOT	T	PLEX8	
3.10E-04	0|0	Cs6g15740.1/Cs6g157	5.21	0	0	2	MASCOT	T	PLEX8	
1.84E-02	0|0	Cs4g07030.1/Cs4g070	8.8	0	0	2	MASCOT	T	PLEX8	
1.66E-04	0|0	Cs4g07030.1/Cs4g070	4.41	0	15.9	0	2	MASCOT	T	PLEX8
6.62E-06	0|0	Cs4g07030.1/Cs4g070	4.41	0	15.9	0	2	MASCOT	T	PLEX8
2.15E-02	0|0	Cs4g07030.1/Cs4g070	4.41	0	15.9	0	2	MASCOT	T	PLEX8
1.90E-03	0|0	Cs4g07030.1/Cs4g070	4.41	0	15.9	0	2	MASCOT	T	
2.45E-04	0|0	Cs4g07030.1/Cs4g070	4.41	0	15.9	0	2	MASCOT	T	
7.03E-05	0|0	Cs4g07030.1/Cs4g070	4.41	0	0	2	MASCOT	T	PLEX8	
2.33E-04	0|0	Cs4g07030.1/Cs4g070	4.41	0	0	2	MASCOT	T	PLEX8	
1.71E-01	0|0	Cs4g07030.1/Cs4g070	4.41	0	0	2	MASCOT	T		
3.41E-02	0|0	Cs4g07030.1/Cs4g070	5.84	0	0	2	MASCOT	T	PLEX8	
1.29E-02	0|0	Cs4g07030.1/Cs4g070	5.84	0	0	2	MASCOT	T	PLEX8	
6.04E-03	0|0	Cs4g07030.1/Cs4g070	5.84	0	0	2	MASCOT	T	PLEX8	
2.95E-03	0|0	Cs4g07030.1/Cs4g070	5.84	0	0	2	MASCOT	T	PLEX8	
1.93E-02	0|0	Cs4g07030.1/Cs4g070	5.84	0	0	2	MASCOT	T	PLEX8	
2.16E-02	0|0	Cs4g07030.1/Cs4g070	5.84	0	0	2	MASCOT	T	PLEX8	
4.82E-02	0|0	Cs4g07030.1/Cs4g070	5.84	0	0	2	MASCOT	T	PLEX8	
1.49E-02	0|0	Cs4g07030.1/Cs4g070	5.84	0	0	2	MASCOT	T		
3.77E-02	0|0	Cs4g07030.1/Cs4g070	5.84	0	0	2	MASCOT	T		
1.81E-02	0|0	Cs4g07030.1/Cs4g070	5.84	0	0	2	MASCOT	T	PLEX8	
5.49E-02	0|0	Cs4g07030.1/Cs4g070	5.84	0	0	2	MASCOT	T	PLEX8	
1.05E-02	0|0	Cs4g07030.1/Cs4g070	5.84	0	0	2	MASCOT	T	PLEX8	
2.30E-01	0|0	Cs4g07030.2/Cs4g070	8.5	0	0	2	MASCOT	T	PLEX8	
1.84E-02	0|0	Cs4g07030.1/Cs4g070	4.68	0	0	2	MASCOT	T	PLEX8	
6.44E-02	0|0	Cs4g07030.1/Cs4g070	4.68	0	0	2	MASCOT	T	PLEX8	
9.11E-04	0|0	Cs4g07030.1/Cs4g070	4.09	0	0	2	MASCOT	T	PLEX8	
1.76E-05	0|0	Cs4g07030.1/Cs4g070	4.09	0	0	2	MASCOT	T	PLEX8	
9.05E-07	0|0	Cs4g07030.1/Cs4g070	4.09	0	0	2	MASCOT	T	PLEX8	
5.27E-01	0|0	Cs4g07030.1/Cs4g070	4.09	0	0	2	MASCOT	T		
6.48E-03	0|0	Cs4g07030.1/Cs4g070	4.09	0	0	2	MASCOT	T	PLEX8	
1.54E-03	0|0	Cs4g07030.1/Cs4g070	4.09	0	0	2	MASCOT	T		

5.05E-01	0|0	Cs4g07030.1/Cs4g070	4.09	0	0	2	MASCOT	T		
6.02E-02	0|0	Cs4g07030.1/Cs4g070	4.09	0	0	2	MASCOT	T		
5.01E-01	0|0	Cs4g07030.1/Cs4g070	4.09	0	0	2	MASCOT	T		
2.02E-02	0|0	Cs4g07030.1/Cs4g070	4.09	0	0	2	MASCOT	T		
5.18E-03	0|0	Cs4g07030.1/Cs4g070	4.09	0	0	2	MASCOT	T		
1.31E-06	0|0	Cs4g07030.1/Cs4g070	4.09	0	0	2	MASCOT	T		
2.44E-02	0|0	Cs4g07030.1/Cs4g070	4.09	0	0	2	MASCOT	T		
1.43E-01	0|0	Cs4g07030.1/Cs4g070	4.09	0	0	2	MASCOT	T		
9.06E-04	0|0	Cs4g07030.1/Cs4g070	4.09	0	0	2	MASCOT	T		
1.44E-03	0|0	Cs4g07030.1/Cs4g070	4.09	0	0	2	MASCOT	T		
6.18E-04	0|0	Cs4g07030.1/Cs4g070	4.09	0	0	2	MASCOT	T		
2.05E-04	0|0	Cs4g07030.1/Cs4g070	4.09	0	0	2	MASCOT	T		
1.36E-11	0|0	Cs4g07030.1/Cs4g070	4.09	0	0	2	MASCOT	T		
1.67E-03	0|0	Cs4g07030.1/Cs4g070	4.09	0	0	2	MASCOT	T		
1.04E-02	0|0	Cs4g07030.1/Cs4g070	4.09	0	0	2	MASCOT	T		
4.37E-04	0|0	Cs4g07030.1/Cs4g070	4.09	0	0	2	MASCOT	T		
1.14E-01	0|0	Cs4g07030.1/Cs4g070	4.09	0	0	2	MASCOT	T		
1.40E-01	0|0	Cs4g07030.1/Cs4g070	4.09	0	0	2	MASCOT	T		
3.60E-02	0|0	Cs4g07030.1/Cs4g070	4.09	0	0	2	MASCOT	T		
2.74E-02	0|0	Cs4g07030.1/Cs4g070	4.09	0	0	2	MASCOT	T		
1.02E-01	0|0	Cs4g07030.1/Cs4g070	4.09	0	0	2	MASCOT	T		
4.08E-02	0|0	Cs4g07030.1/Cs4g070	4.09	0	0	2	MASCOT	T		
1.44E-01	0|0	Cs4g07030.1/Cs4g070	4.09	0	0	2	MASCOT	T		
5.18E-01	0|0	Cs4g07030.1/Cs4g070	4.09	0	0	2	MASCOT	T		
3.85E-02	0|0	Cs4g07030.1/Cs4g070	4.09	0	0	2	MASCOT	T		
5.43E-01	0|0	Cs4g07030.1/Cs4g070	4.09	0	0	2	MASCOT	T		
7.50E-07	0|0	Cs4g07030.1/Cs4g070	4.09	0	0	2	MASCOT	T		
3.51E-03	0|0	Cs4g07030.1/Cs4g070	4.09	0	0	2	MASCOT	T		
4.41E-06	0|0	Cs4g07030.1/Cs4g070	4.09	0	0	2	MASCOT	T		
1.14E-01	0|0	Cs4g07030.1/Cs4g070	5.84	0	0	2	MASCOT	T	PLEX8	
2.95E-05	0|0	Cs4g07030.1/Cs4g070	5.4	0	0	2	MASCOT	T	PLEX8	
2.97E-08	0|0	Cs4g07030.1/Cs4g070	5.4	0	0	2	MASCOT	T	PLEX8	
1.80E-01	0|0	Cs4g07030.1/Cs4g070	5.4	0	0	2	MASCOT	T	PLEX8	
1.43E-03	0|0	Cs4g07030.1/Cs4g070	8.59	0	0	2	MASCOT	T	PLEX8	
7.03E-02	0|0	Cs4g07030.1/Cs4g070	8.59	0	0	2	MASCOT	T	PLEX8	
3.16E-02	0|0	Cs4g07030.1/Cs4g070	4	0	15.9	0	2	MASCOT	T	PLEX8
7.20E-02	0|0	Cs4g07030.1/Cs4g070	4	0	15.9	0	2	MASCOT	T	PLEX8
8.49E-03	0|0	Cs4g07030.1/Cs4g070	4	0	0	2	MASCOT	T	PLEX8	
1.24E-02	0|0	Cs4g07030.1/Cs4g070	4	0	0	2	MASCOT	T	PLEX8	
2.07E-02	0|0	Cs4g07030.1/Cs4g070	3.71	0	0	2	MASCOT	T	PLEX8	
1.45E-01	0|0	Cs4g07030.1/Cs4g070	9.7	0	15.9	0	2	MASCOT	T	PLEX8
2.40E-01	0|0	Cs4g07030.1/Cs4g070	9.7	0	15.9	0	2	MASCOT	T	PLEX8
4.47E-01	0|0	Cs4g07030.1/Cs4g070	9.7	0	15.9	0	2	MASCOT	T	PLEX8
1.41E-01	0|0	Cs4g07030.1/Cs4g070	9.7	0	15.9	0	2	MASCOT	T	PLEX8
1.83E-01	0|0	Cs4g07030.1/Cs4g070	9.7	0	0	2	MASCOT	T	PLEX8	
2.35E-03	0|0	Cs4g07030.1/Cs4g070	9.7	0	0	2	MASCOT	T	PLEX8	
3.57E-02	0|0	Cs4g07030.1/Cs4g070	9.7	0	0	2	MASCOT	T	PLEX8	
4.92E-04	0|0	Cs4g07030.1/Cs4g070	9.7	0	0	2	MASCOT	T	PLEX8	
1.19E-03	0|0	Cs4g07030.1/Cs4g070	9.7	0	0	2	MASCOT	T		
2.80E-02	0|0	Cs2g24610.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8	
3.49E-02	0|0	Cs2g24610.1/Cs5g068	8.8	0	0	2	MASCOT	T		

1.09E-01	0|0	Cs2g24610.1/Cs5g068	8.8	0	0	2	MASCOT	T		
1.70E-01	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8	
8.11E-01	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8	
2.33E-01	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8	
4.71E-01	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8	
9.13E-02	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8	
3.91E-01	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T		
2.92E-01	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8	
8.75E-02	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8	
2.68E-01	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8	
2.73E-01	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8	
7.18E-01	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T		
3.17E-02	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8	
2.45E-01	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8	
2.60E-01	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8	
3.55E-01	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T		
1.82E-01	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T		
9.95E-02	0|0	Cs5g06870.1/Cs5g068	4.03	0	0	2	MASCOT	T	PLEX8	
7.47E-02	0|0	Cs5g06870.1/Cs5g068	4.03	0	0	2	MASCOT	T	PLEX8	
1.64E-01	0|0	Cs5g06870.1/Cs5g068	4.03	0	0	2	MASCOT	T		
2.21E-01	0|0	Cs5g06870.1/Cs5g068	4.03	0	0	2	MASCOT	T	PLEX8	
7.88E-02	0|0	Cs5g06870.1/Cs5g068	4.03	0	0	2	MASCOT	T	PLEX8	
1.09E-01	0|0	Cs5g06870.1/Cs5g068	4.03	0	0	2	MASCOT	T		
1.57E-01	0|0	Cs5g06870.1/Cs5g068	4.03	0	0	2	MASCOT	T	PLEX8	
2.93E-02	0|0	Cs5g06870.1/Cs5g068	10	1	0	2	MASCOT	T	PLEX8	
6.91E-02	0|0	Cs5g06870.1/Cs5g068	9.75	0	15.9	0	2	MASCOT	T	PLEX8
4.78E-02	0|0	Cs5g06870.1/Cs5g068	9.75	0	15.9	0	2	MASCOT	T	PLEX8
3.05E-02	0|0	Cs5g06870.1/Cs5g068	9.75	0	0	2	MASCOT	T	PLEX8	
5.68E-03	0|0	Cs5g06870.1/Cs5g068	8.41	0	0	2	MASCOT	T	PLEX8	
4.50E-01	0|0	Cs5g06870.1/Cs5g068	5.5	0	0	2	MASCOT	T	PLEX8	
1.41E-01	0|0	Cs5g06870.1/Cs5g068	5.5	0	0	2	MASCOT	T	PLEX8	
2.73E-01	0|0	Cs5g06870.1/Cs5g068	8.72	0	0	2	MASCOT	T	PLEX8	
4.79E-02	0|0	Cs5g06870.1/Cs5g068	8.72	0	0	2	MASCOT	T	PLEX8	
5.28E-02	0|0	Cs5g06870.1/Cs5g068	8.72	0	0	2	MASCOT	T	PLEX8	
3.03E-02	0|0	Cs5g06870.1/Cs5g068	8.72	0	0	2	MASCOT	T	PLEX8	
1.16E-02	0|0	Cs5g06870.1/Cs5g068	8.72	0	0	2	MASCOT	T	PLEX8	
1.05E-01	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8	
8.04E-03	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8	
4.42E-01	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8	
4.65E-03	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8	
1.11E-02	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8	
1.75E-04	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8	
9.56E-02	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8	
1.67E-04	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8	
4.37E-02	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8	
1.41E-02	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8	
3.10E-03	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8	
1.46E-02	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8	
3.00E-03	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8	
9.09E-02	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T		
1.73E-01	0|0	Cs2g24610.1/Cs5g068	5.55	0	0	2	MASCOT	T	PLEX8	

9.45E-02	0|0	Cs2g24610.1/Cs5g068	5.55	0	0	2	MASCOT	T	PLEX8	
1.50E-01	0|0	Cs2g24610.1/Cs5g068	5.55	0	0	2	MASCOT	T	PLEX8	
1.37E-01	0|0	Cs2g24610.1/Cs5g068	5.55	0	0	2	MASCOT	T	PLEX8	
1.85E-01	0|0	Cs2g24610.1/Cs5g068	5.55	0	0	2	MASCOT	T	PLEX8	
1.14E-01	0|0	Cs2g24610.1/Cs5g068	5.55	0	0	2	MASCOT	T	PLEX8	
1.08E-01	0|0	Cs2g24610.1/Cs5g068	5.55	0	0	2	MASCOT	T	PLEX8	
1.09E-01	0|0	Cs2g24610.1/Cs5g068	5.55	0	0	2	MASCOT	T	PLEX8	
2.61E-01	0|0	Cs2g24610.1/Cs5g068	5.55	0	0	2	MASCOT	T	PLEX8	
1.31E-01	0|0	Cs2g24610.1/Cs5g068	5.55	0	0	2	MASCOT	T	PLEX8	
1.71E-02	0|0	Cs2g24610.1/Cs5g068	5.55	0	0	2	MASCOT	T	PLEX8	
1.01E-01	0|0	Cs2g24610.1/Cs5g068	5.55	0	0	2	MASCOT	T	PLEX8	
1.32E-01	0|0	Cs2g24610.1/Cs5g068	5.55	0	0	2	MASCOT	T		
1.70E-01	0|0	Cs2g24610.1/Cs5g068	5.55	0	0	2	MASCOT	T		
2.97E-01	0|0	Cs5g06870.1/Cs5g068	6.71	0	15.9	0	2	MASCOT	T	PLEX8
1.72E-01	0|0	Cs5g06870.1/Cs5g068	6.71	0	15.9	0	2	MASCOT	T	PLEX8
1.69E-01	0|0	Cs5g06870.1/Cs5g068	6.71	0	15.9	0	2	MASCOT	T	PLEX8
4.54E-03	0|0	Cs5g06870.1/Cs5g068	6.71	0	0	2	MASCOT	T		
1.00E-01	0|0	Cs5g06870.1/Cs5g068	6.71	0	0	2	MASCOT	T	PLEX8	
1.47E-01	0|0	Cs5g06870.1/Cs5g068	6.71	0	0	2	MASCOT	T	PLEX8	
1.55E-02	0|0	Cs6g02690.1	4.14	0	0	2	MASCOT	T	PLEX8	
7.64E-05	0|0	Cs6g02690.1	4.14	0	0	2	MASCOT	T	PLEX8	
9.83E-04	0|0	Cs6g02690.1	4.14	0	0	2	MASCOT	T	PLEX8	
6.94E-03	0|0	Cs6g02690.1/Cs6g026	5.88	0	0	2	MASCOT	T	PLEX8	
1.46E-01	0|0	Cs6g02690.1/Cs6g026	5.88	0	0	2	MASCOT	T	PLEX8	
2.75E-03	0|0	Cs6g02690.1	4.37	0	15.9	0	2	MASCOT	T	PLEX8
2.37E-02	0|0	Cs6g02690.1	4.37	0	15.9	0	2	MASCOT	T	PLEX8
1.05E-02	0|0	Cs6g02690.1	4.37	0	15.9	0	2	MASCOT	T	PLEX8
3.82E-01	0|0	Cs6g02690.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.82E-01	0|0	Cs6g02690.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.53E-03	0|0	Cs6g02690.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.83E-01	0|0	Cs6g02690.1	4.37	0	0	2	MASCOT	T	PLEX8	
5.20E-02	0|0	Cs6g02690.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.49E-02	0|0	Cs6g02690.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.44E-03	0|0	Cs6g02690.1	4.37	0	0	2	MASCOT	T	PLEX8	
3.22E-02	0|0	Cs6g02690.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.35E-01	0|0	Cs6g02690.1	4.37	0	0	2	MASCOT	T	PLEX8	
2.56E-02	0|0	Cs6g02690.1/Cs6g026	6.75	0	0	2	MASCOT	T	PLEX8	
3.88E-02	0|0	Cs6g02690.1/Cs6g026	6.75	0	0	2	MASCOT	T	PLEX8	
5.86E-06	0|0	Cs6g02690.1/Cs6g026	6.75	0	0	2	MASCOT	T	PLEX8	
3.00E-05	0|0	Cs6g02690.1/Cs6g026	6.75	0	0	2	MASCOT	T	PLEX8	
8.06E-04	0|0	Cs6g02690.1/Cs6g026	6.75	0	0	2	MASCOT	T	PLEX8	
1.87E-01	0|0	Cs6g02690.1/Cs6g026	6.75	0	0	2	MASCOT	T		
1.79E-01	0|0	Cs6g02690.1/Cs6g026	6.75	0	0	2	MASCOT	T		
4.00E-02	0|0	Cs6g02690.1/Cs6g026	6.75	0	0	2	MASCOT	T	PLEX8	
2.14E-05	0|0	Cs6g02690.1/Cs6g026	6.75	0	0	2	MASCOT	T	PLEX8	
1.24E-02	0|0	Cs6g02690.1/Cs6g026	6.75	0	0	2	MASCOT	T	PLEX8	
5.28E-06	0|0	Cs6g02690.1/Cs6g026	6.75	0	0	2	MASCOT	T	PLEX8	
1.42E-02	0|0	Cs6g02690.1/Cs6g026	6.75	0	0	2	MASCOT	T	PLEX8	
4.38E-05	0|0	Cs6g02690.1/Cs6g026	8.04	0	0	2	MASCOT	T	PLEX8	
1.85E-01	0|0	Cs6g02690.1/Cs6g026	6	0	0	2	MASCOT	T	PLEX8	
1.43E-01	0|0	Cs6g02690.1/Cs6g026	6	0	0	2	MASCOT	T	PLEX8	

1.73E-01	0|0	Cs6g02690.1/Cs6g026	6	0	0	2	MASCOT	T	PLEX8
3.67E-03	0|0	Cs6g02690.1/Cs6g026	6	0	0	2	MASCOT	T	PLEX8
1.27E-01	0|0	Cs6g02690.1/Cs6g026	6.74	0	0	2	MASCOT	T	PLEX8
9.25E-02	0|0	Cs6g02690.1/Cs6g026	6.74	0	0	2	MASCOT	T	PLEX8
1.16E-01	0|0	Cs6g02690.1/Cs6g026	8.8	0	0	2	MASCOT	T	PLEX8
2.97E-04	0|0	Cs6g02690.1/Cs6g026	8.8	0	0	2	MASCOT	T	PLEX8
1.04E-02	0|0	Cs6g02690.1/Cs6g026	8.8	0	0	2	MASCOT	T	PLEX8
1.49E-01	0|0	Cs6g02690.1/Cs6g026	8.8	0	0	2	MASCOT	T	PLEX8
1.45E-01	0|0	Cs6g02690.1/Cs6g026	8.8	0	0	2	MASCOT	T	PLEX8
5.19E-02	0|0	Cs6g02690.1/Cs6g026	8.8	0	0	2	MASCOT	T	PLEX8
1.11E-01	0|0	Cs6g02690.1/Cs6g026	8.8	0	0	2	MASCOT	T	PLEX8
4.55E-01	0|0	Cs6g02690.1/Cs6g026	8.8	0	0	2	MASCOT	T	PLEX8
1.22E-04	0|0	Cs6g02690.1	3.92	0	0	2	MASCOT	T	PLEX8
8.82E-03	0|0	Cs6g02690.1	3.92	0	0	2	MASCOT	T	PLEX8
3.79E-06	0|0	Cs6g02690.1	3.92	0	0	2	MASCOT	T	PLEX8
2.13E-04	0|0	Cs6g02690.1	3.92	0	0	2	MASCOT	T	PLEX8
1.87E-01	0|0	Cs6g02690.1	3.92	0	0	2	MASCOT	T	PLEX8
2.89E-03	0|0	Cs6g02690.1	3.92	0	0	2	MASCOT	T	PLEX8
2.20E-02	0|0	Cs6g02690.1	3.92	0	0	2	MASCOT	T	PLEX8
2.24E-03	0|0	Cs6g02690.1/Cs6g026	4.09	0	0	2	MASCOT	T	PLEX8
2.11E-05	0|0	Cs6g02690.1/Cs6g026	4.09	0	0	2	MASCOT	T	PLEX8
3.06E-07	0|0	Cs6g02690.1/Cs6g026	4.09	0	0	2	MASCOT	T	PLEX8
1.94E-04	0|0	Cs6g02690.1/Cs6g026	4.09	0	0	2	MASCOT	T	PLEX8
3.25E-02	0|0	Cs6g02690.1/Cs6g026	4.09	0	0	2	MASCOT	T	PLEX8
2.69E-02	0|0	Cs6g02690.1	5.84	0	0	2	MASCOT	T	PLEX8
9.90E-03	0|0	Cs6g02690.1	5.84	0	0	2	MASCOT	T	PLEX8
4.26E-02	0|0	Cs6g02690.1	5.84	0	0	2	MASCOT	T	PLEX8
5.96E-02	0|0	Cs6g02690.1	5.84	0	0	2	MASCOT	T	PLEX8
9.48E-02	0|0	Cs6g02690.1	5.84	0	0	2	MASCOT	T	PLEX8
4.59E-01	0|0	Cs6g02690.1	5.84	0	0	2	MASCOT	T	PLEX8
6.25E-02	0|0	Cs6g02690.1	5.84	0	0	2	MASCOT	T	PLEX8
9.41E-02	0|0	Cs6g02690.1/Cs6g026	6.72	0	0	2	MASCOT	T	PLEX8
7.83E-02	0|0	Cs6g02690.1/Cs6g026	6.72	0	0	2	MASCOT	T	PLEX8
2.80E-02	0|0	Cs2g24610.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8
3.49E-02	0|0	Cs2g24610.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8
1.09E-01	0|0	Cs2g24610.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8
1.70E-01	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8
8.11E-01	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8
2.33E-01	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8
4.71E-01	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8
9.13E-02	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8
3.91E-01	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8
2.92E-01	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8
8.75E-02	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8
2.68E-01	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8
2.73E-01	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8
7.18E-01	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8
3.17E-02	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8
2.45E-01	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8
2.60E-01	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8
3.55E-01	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8

1.82E-01	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T		
2.72E-03	0|0	Cs7g10220.1/Cs7g102	4.37	0	0	2	MASCOT	T	PLEX8	
2.95E-02	0|0	Cs7g10220.1/Cs7g102	4.25	0	0	2	MASCOT	T	PLEX8	
2.73E-03	0|0	Cs7g10220.1/Cs7g102	4.68	0	0	2	MASCOT	T	PLEX8	
1.35E-01	0|0	Cs2g24610.1/Cs7g102	5.5	0	0	2	MASCOT	T	PLEX8	
8.17E-02	0|0	Cs2g24610.1/Cs7g102	5.5	0	0	2	MASCOT	T	PLEX8	
5.28E-02	0|0	Cs5g06870.1/Cs5g068	8.72	0	0	2	MASCOT	T	PLEX8	
3.03E-02	0|0	Cs5g06870.1/Cs5g068	8.72	0	0	2	MASCOT	T	PLEX8	
1.16E-02	0|0	Cs5g06870.1/Cs5g068	8.72	0	0	2	MASCOT	T	PLEX8	
2.36E-01	0|0	Cs2g24610.1/Cs7g102	8.72	0	0	2	MASCOT	T	PLEX8	
1.53E-01	0|0	Cs2g24610.1/Cs7g102	8.72	0	0	2	MASCOT	T	PLEX8	
1.75E-01	0|0	Cs2g24610.1/Cs7g102	8.72	0	0	2	MASCOT	T	PLEX8	
1.05E-01	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8	
8.04E-03	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8	
4.42E-01	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8	
4.65E-03	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8	
1.11E-02	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8	
1.75E-04	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8	
9.56E-02	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8	
1.67E-04	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8	
4.37E-02	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8	
1.41E-02	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8	
3.10E-03	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8	
1.46E-02	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8	
3.00E-03	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T	PLEX8	
9.09E-02	0|0	Cs5g06870.1/Cs5g068	8.8	0	0	2	MASCOT	T		
4.14E-01	0|0	Cs7g10220.1/Cs7g102	4.53	0	0	2	MASCOT	T	PLEX8	
1.15E-01	0|0	Cs7g10220.1/Cs7g102	4.53	0	0	2	MASCOT	T	PLEX8	
7.76E-02	0|0	Cs7g10220.1/Cs7g102	4.53	0	0	2	MASCOT	T	PLEX8	
1.73E-01	0|0	Cs2g24610.1/Cs5g068	5.55	0	0	2	MASCOT	T	PLEX8	
9.45E-02	0|0	Cs2g24610.1/Cs5g068	5.55	0	0	2	MASCOT	T	PLEX8	
1.50E-01	0|0	Cs2g24610.1/Cs5g068	5.55	0	0	2	MASCOT	T	PLEX8	
1.37E-01	0|0	Cs2g24610.1/Cs5g068	5.55	0	0	2	MASCOT	T	PLEX8	
1.85E-01	0|0	Cs2g24610.1/Cs5g068	5.55	0	0	2	MASCOT	T	PLEX8	
1.14E-01	0|0	Cs2g24610.1/Cs5g068	5.55	0	0	2	MASCOT	T	PLEX8	
1.08E-01	0|0	Cs2g24610.1/Cs5g068	5.55	0	0	2	MASCOT	T	PLEX8	
1.09E-01	0|0	Cs2g24610.1/Cs5g068	5.55	0	0	2	MASCOT	T	PLEX8	
2.61E-01	0|0	Cs2g24610.1/Cs5g068	5.55	0	0	2	MASCOT	T	PLEX8	
1.31E-01	0|0	Cs2g24610.1/Cs5g068	5.55	0	0	2	MASCOT	T	PLEX8	
1.71E-02	0|0	Cs2g24610.1/Cs5g068	5.55	0	0	2	MASCOT	T	PLEX8	
1.01E-01	0|0	Cs2g24610.1/Cs5g068	5.55	0	0	2	MASCOT	T	PLEX8	
1.32E-01	0|0	Cs2g24610.1/Cs5g068	5.55	0	0	2	MASCOT	T		
1.70E-01	0|0	Cs2g24610.1/Cs5g068	5.55	0	0	2	MASCOT	T		
1.04E-01	0|0	Cs7g10220.1/Cs7g102	6.71	0	15.9	0	2	MASCOT	T	PLEX8
9.97E-02	0|0	Cs7g10220.1/Cs7g102	6.71	0	15.9	0	2	MASCOT	T	PLEX8
7.05E-03	0|0	Cs7g10220.1/Cs7g102	6.71	0	0	2	MASCOT	T	PLEX8	
2.02E-01	0|0	Cs1g20220.1/Cs1g202	5.84	0	0	2	MASCOT	T		
9.00E-04	0|0	Cs6g18830.1/Cs6g188	4.53	0	0	2	MASCOT	T	PLEX8	
9.96E-03	0|0	Cs6g18830.1/Cs6g188	4.53	0	0	2	MASCOT	T	PLEX8	
4.59E-01	0|0	Cs6g18830.1/Cs6g188	4.53	0	0	2	MASCOT	T	PLEX8	
1.93E-04	0|0	Cs6g18830.1/Cs6g188	4.53	0	0	2	MASCOT	T	PLEX8	

9.96E-03	0|0	Cs6g18830.1/Cs6g188	4.53	0	0	2	MASCOT	T	PLEX8	
2.42E-01	0|0	Cs6g18830.1/Cs6g188	4.53	0	0	2	MASCOT	T	PLEX8	
2.63E-01	0|0	Cs6g18830.1/Cs6g188	4.53	0	0	2	MASCOT	T	PLEX8	
1.53E-01	0|0	Cs1g20220.1/Cs1g202	4.53	0	0	2	MASCOT	T	PLEX8	
9.50E-04	0|0	Cs6g18830.1/Cs6g188	5.3	0	0	2	MASCOT	T	PLEX8	
1.32E-05	0|0	Cs6g18830.1/Cs6g188	5.3	0	0	2	MASCOT	T	PLEX8	
3.25E-01	0|0	Cs6g18830.1/Cs6g188	5.3	0	0	2	MASCOT	T	PLEX8	
3.37E-05	0|0	Cs6g18830.1/Cs6g188	5.3	0	0	2	MASCOT	T	PLEX8	
4.87E-06	0|0	Cs6g18830.1/Cs6g188	5.3	0	0	2	MASCOT	T		
2.79E-02	0|0	Cs6g18830.1/Cs6g188	5.3	0	0	2	MASCOT	T	PLEX8	
1.74E-03	0|0	Cs6g18830.1/Cs6g188	5.3	0	0	2	MASCOT	T	PLEX8	
8.25E-02	0|0	Cs6g18830.1/Cs6g188	5.3	0	0	2	MASCOT	T	PLEX8	
3.50E-02	0|0	Cs6g18830.1/Cs6g188	5.3	0	0	2	MASCOT	T		
2.95E-04	0|0	Cs6g18830.1/Cs6g188	5.3	0	0	2	MASCOT	T		
3.27E-04	0|0	Cs6g18830.1/Cs6g188	5.3	0	0	2	MASCOT	T		
4.64E-04	0|0	Cs6g18830.1/Cs6g188	5.3	0	0	2	MASCOT	T		
4.82E-02	0|0	Cs3g17990.1/Cs6g036	4.53	0	0	2	MASCOT	T	PLEX8	
1.30E-02	0|0	Cs3g17990.1/Cs6g036	4.53	0	0	2	MASCOT	T	PLEX8	
1.55E-01	0|0	Cs3g17990.1/Cs6g036	4.53	0	0	2	MASCOT	T	PLEX8	
3.80E-02	0|0	Cs3g17990.1/Cs6g036	4.53	0	0	2	MASCOT	T	PLEX8	
5.02E-03	0|0	Cs6g18830.1/Cs6g188	5.32	0	0	2	MASCOT	T	PLEX8	
5.18E-03	0|0	Cs6g18830.1/Cs6g188	5.32	0	0	2	MASCOT	T	PLEX8	
1.50E-01	0|0	Cs1g20220.1/Cs1g202	6	0	0	2	MASCOT	T	PLEX8	
4.76E-02	0|0	Cs1g20220.1/Cs1g202	6	0	0	2	MASCOT	T	PLEX8	
1.01E-01	0|0	Cs1g20220.1/Cs1g202	6	0	0	2	MASCOT	T	PLEX8	
1.31E-02	0|0	Cs1g20220.1/Cs1g202	6	0	0	2	MASCOT	T	PLEX8	
1.41E-01	0|0	Cs1g20220.1/Cs1g202	6	0	0	2	MASCOT	T	PLEX8	
5.84E-01	0|0	Cs1g20220.1/Cs1g202	6	0	0	2	MASCOT	T	PLEX8	
4.57E-02	0|0	Cs6g18830.1/Cs6g188	6.14	1	0	2	MASCOT	T	PLEX8	
2.16E-01	0|0	Cs1g20220.1/Cs1g202	8.59	0	0	2	MASCOT	T	PLEX8	
7.83E-03	0|0	Cs1g20220.1/Cs1g202	8.59	0	0	2	MASCOT	T	PLEX8	
2.11E-02	0|0	Cs1g20220.1/Cs1g202	8.59	0	0	2	MASCOT	T	PLEX8	
4.75E-02	0|0	Cs1g20220.1/Cs1g202	8.59	0	0	2	MASCOT	T	PLEX8	
2.21E-01	0|0	Cs1g20220.1/Cs1g202	8.59	0	0	2	MASCOT	T	PLEX8	
4.29E-03	0|0	Cs1g20220.1/Cs1g202	8.59	0	0	2	MASCOT	T	PLEX8	
1.78E-02	0|0	Cs1g20220.1/Cs1g202	8.59	0	0	2	MASCOT	T	PLEX8	
1.09E-01	0|0	Cs1g20220.1/Cs1g202	8.59	0	0	2	MASCOT	T	PLEX8	
4.07E-02	0|0	Cs1g20220.1/Cs1g202	8.59	0	0	2	MASCOT	T	PLEX8	
5.17E-02	0|0	Cs1g20220.1/Cs1g202	8.59	0	0	2	MASCOT	T		
5.08E-02	0|0	Cs1g20220.1/Cs1g202	8.59	0	0	2	MASCOT	T		
1.08E-01	0|0	Cs3g17990.1/Cs6g188	4.09	0	15.9	0	2	MASCOT	T	PLEX8
1.11E-04	0|0	Cs3g17990.1/Cs6g188	4.09	0	0	2	MASCOT	T	PLEX8	
9.81E-02	0|0	Cs3g17990.1/Cs6g188	4.09	0	0	2	MASCOT	T	PLEX8	
2.10E-01	0|0	Cs1g20220.1/Cs1g202	6	0	0	2	MASCOT	T		
3.14E-01	0|0	Cs1g20220.1/Cs1g202	6	0	0	2	MASCOT	T		
2.52E-01	0|0	Cs1g20220.1/Cs1g202	6	0	0	2	MASCOT	T		
2.89E-01	0|0	Cs8g16990.1/Cs8g169	5.84	0	0	2	MASCOT	T	PLEX8	
2.38E-01	0|0	Cs7g27470.1/Cs8g169	6.1	0	0	2	MASCOT	T	PLEX8	
6.51E-02	0|0	Cs7g27470.1/Cs8g169	6.1	0	0	2	MASCOT	T	PLEX8	
2.81E-01	0|0	Cs7g27470.1/Cs8g169	6.1	0	0	2	MASCOT	T	PLEX8	
6.47E-02	0|0	Cs7g27470.1/Cs8g169	6.1	0	0	2	MASCOT	T	PLEX8	

1.90E-01	0|0	Cs7g27470.1/Cs8g169	6.1	0	0	2	MASCOT	T		
2.78E-02	0|0	Cs7g27470.1/Cs8g169	9.75	0	0	2	MASCOT	T		
8.10E-04	0|0	Cs7g27470.1/Cs8g169	9.75	0	0	2	MASCOT	T		
2.86E-02	0|0	Cs7g27470.1/Cs8g169	9.75	0	0	2	MASCOT	T		
6.37E-02	0|0	Cs8g16990.1/Cs8g169	5.82	0	15.9	0	2	MASCOT	T	PLEX8
1.29E-02	0|0	Cs8g16990.1/Cs8g169	5.82	0	15.9	0	2	MASCOT	T	PLEX8
3.85E-01	0|0	Cs8g16990.1/Cs8g169	5.82	0	15.9	0	2	MASCOT	T	PLEX8
2.08E-01	0|0	Cs8g16990.1/Cs8g169	5.82	0	15.9	0	2	MASCOT	T	
2.12E-01	0|0	Cs8g16990.1/Cs8g169	5.82	0	15.9	0	2	MASCOT	T	PLEX8
1.71E-01	0|0	Cs8g16990.1/Cs8g169	5.82	0	0	2	MASCOT	T		
2.17E-02	0|0	Cs7g27470.1/Cs8g169	7.96	0	0	2	MASCOT	T	PLEX8	
6.15E-02	0|0	Cs7g27470.1/Cs8g169	8.33	0	0	2	MASCOT	T		
1.19E-01	0|0	Cs7g27470.1/Cs8g169	8.33	0	0	2	MASCOT	T		
6.21E-04	0|0	Cs8g16990.1/Cs8g169	6.61	0	0	2	MASCOT	T	PLEX8	
1.35E-01	0|0	Cs7g27470.1/Cs8g169	6.73	0	0	2	MASCOT	T	PLEX8	
2.83E-03	0|0	Cs7g27470.1/Cs8g169	6.73	0	0	2	MASCOT	T	PLEX8	
7.14E-03	0|0	Cs7g27470.1/Cs8g169	6.73	0	0	2	MASCOT	T	PLEX8	
7.81E-03	0|0	Cs7g27470.1/Cs8g169	6.73	0	0	2	MASCOT	T	PLEX8	
6.06E-03	0|0	Cs7g27470.1/Cs8g169	6.73	0	0	2	MASCOT	T	PLEX8	
2.45E-03	0|0	Cs7g27470.1/Cs8g169	6.73	0	0	2	MASCOT	T		
3.60E-03	0|0	Cs7g27470.1/Cs8g169	6.73	0	0	2	MASCOT	T		
1.01E-01	0|0	Cs7g27470.1/Cs8g169	6.73	0	0	2	MASCOT	T		
4.62E-01	0|0	Cs8g16990.1/Cs8g169	8.75	0	0	2	MASCOT	T	PLEX8	
1.55E-01	0|0	Cs8g16990.1/Cs8g169	8.75	0	0	2	MASCOT	T	PLEX8	
5.43E-02	0|0	Cs8g16990.1/Cs8g169	8.75	0	0	2	MASCOT	T	PLEX8	
1.01E-01	0|0	Cs7g27470.1/Cs8g169	5.84	0	0	2	MASCOT	T	PLEX8	
1.09E-01	0|0	Cs7g27470.1/Cs8g169	5.84	0	0	2	MASCOT	T	PLEX8	
2.40E-01	0|0	Cs7g27470.1/Cs8g169	5.84	0	0	2	MASCOT	T	PLEX8	
1.53E-01	0|0	Cs7g27470.1/Cs8g169	5.84	0	0	2	MASCOT	T	PLEX8	
1.99E-01	0|0	Cs7g27470.1/Cs8g169	5.84	0	0	2	MASCOT	T	PLEX8	
1.79E-01	0|0	Cs7g27470.1/Cs8g169	5.84	0	0	2	MASCOT	T	PLEX8	
1.62E-01	0|0	Cs7g27470.1/Cs8g169	5.84	0	0	2	MASCOT	T	PLEX8	
6.18E-04	0|0	Cs7g27470.1/Cs8g170	8.75	0	0	2	MASCOT	T	PLEX8	
6.06E-03	0|0	Cs7g27470.1/Cs8g170	8.75	0	0	2	MASCOT	T	PLEX8	
3.94E-03	0|0	Cs7g27470.1/Cs8g170	8.75	0	0	2	MASCOT	T	PLEX8	
2.38E-01	0|0	Cs7g27470.1/Cs8g170	8.75	0	0	2	MASCOT	T	PLEX8	
3.83E-02	0|0	Cs7g27470.1/Cs8g170	8.75	0	0	2	MASCOT	T	PLEX8	
5.73E-03	0|0	Cs7g27470.1/Cs8g170	8.75	0	0	2	MASCOT	T	PLEX8	
7.04E-02	0|0	Cs7g27470.1/Cs8g169	5.55	0	0	2	MASCOT	T	PLEX8	
4.33E-03	0|0	Cs7g27470.1/Cs8g169	5.55	0	0	2	MASCOT	T	PLEX8	
7.02E-03	0|0	Cs7g27470.1/Cs8g169	5.55	0	0	2	MASCOT	T	PLEX8	
2.14E-01	0|0	Cs7g27470.1/Cs8g169	5.55	0	0	2	MASCOT	T	PLEX8	
2.14E-04	0|0	orange1.1t02000.1	6.05	0	0	2	MASCOT	T	PLEX8	
6.03E-02	0|0	orange1.1t02000.1	6.05	0	0	2	MASCOT	T	PLEX8	
2.56E-02	0|0	orange1.1t02000.1	6.05	0	0	2	MASCOT	T	PLEX8	
6.94E-03	0|0	orange1.1t02000.1	6.05	0	0	2	MASCOT	T	PLEX8	
9.74E-02	0|0	orange1.1t02000.1	6.05	0	0	2	MASCOT	T	PLEX8	
1.47E-03	0|0	orange1.1t02000.1	6.05	0	0	2	MASCOT	T	PLEX8	
2.74E-03	0|0	orange1.1t02000.1	6.05	0	0	2	MASCOT	T	PLEX8	
1.40E-01	0|0	orange1.1t02000.1	6.05	0	0	2	MASCOT	T	PLEX8	
2.31E-02	0|0	orange1.1t02000.1	8.8	0	0	2	MASCOT	T	PLEX8	

6.69E-03	0|0	Cs3g18030.1/Cs3g180	8.75	0	0	2	MASCOT	T	PLEX8	
5.35E-03	0|0	Cs3g18030.1/Cs3g180	8.75	0	0	2	MASCOT	T	PLEX8	
1.65E-03	0|0	Cs3g18030.1/Cs3g180	8.75	0	0	2	MASCOT	T	PLEX8	
1.05E-01	0|0	Cs3g18030.1/Cs3g180	8.75	0	0	2	MASCOT	T	PLEX8	
2.52E-02	0|0	Cs3g18030.1/Cs3g180	8.75	0	0	2	MASCOT	T		
5.18E-02	0|0	Cs1g19830.1/Cs1g198	9.76	0	0	2	MASCOT	T	PLEX8	
1.43E-01	0|0	Cs1g19830.1/Cs1g198	9.76	0	0	2	MASCOT	T	PLEX8	
2.17E-01	0|0	Cs1g19830.1/Cs1g198	9.76	0	0	2	MASCOT	T		
6.67E-02	0|0	Cs3g18030.1/Cs3g180	8.79	0	15.9	0	2	MASCOT	T	PLEX8
1.60E-04	0|0	Cs3g18030.1/Cs3g180	8.79	0	0	2	MASCOT	T	PLEX8	
7.73E-03	0|0	Cs3g18030.1/Cs3g180	8.79	0	0	2	MASCOT	T	PLEX8	
6.89E-03	0|0	orange1.1t02000.1	8.79	0	0	2	MASCOT	T	PLEX8	
2.50E-01	0|0	orange1.1t02000.1	8.79	0	0	2	MASCOT	T		
9.13E-03	0|0	orange1.1t02000.1	8.79	0	0	2	MASCOT	T		
3.35E-02	0|0	orange1.1t02000.1	6.74	0	0	2	MASCOT	T	PLEX8	
2.21E-02	0|0	orange1.1t02000.1	6.74	0	0	2	MASCOT	T	PLEX8	
7.54E-03	0|0	orange1.1t02000.1	8.75	0	0	2	MASCOT	T	PLEX8	
9.80E-03	0|0	orange1.1t02000.1	8.75	0	0	2	MASCOT	T	PLEX8	
5.25E-03	0|0	orange1.1t02000.1	8.75	0	0	2	MASCOT	T	PLEX8	
1.91E-03	0|0	orange1.1t02000.1	8.75	0	0	2	MASCOT	T	PLEX8	
1.16E-02	0|0	orange1.1t02000.1	8.75	0	0	2	MASCOT	T	PLEX8	
6.64E-03	0|0	orange1.1t02000.1	8.75	0	0	2	MASCOT	T		
8.62E-03	0|0	orange1.1t02000.1	8.75	0	0	2	MASCOT	T		
8.51E-03	0|0	orange1.1t02000.1	8.75	0	0	2	MASCOT	T	PLEX8	
6.96E-02	0|0	orange1.1t02000.1	6.74	0	15.9	0	2	MASCOT	T	PLEX8
3.73E-02	0|0	orange1.1t02000.1	6.74	0	0	2	MASCOT	T	PLEX8	
1.48E-01	0|0	orange1.1t02000.1	6.74	0	0	2	MASCOT	T		
4.82E-03	0|0	Cs1g19830.1/Cs1g198	5.32	0	0	2	MASCOT	T	PLEX8	
1.09E-03	0|0	Cs1g19830.1/Cs1g198	5.32	0	0	2	MASCOT	T	PLEX8	
9.72E-03	0|0	Cs1g19830.1/Cs1g198	5.32	0	0	2	MASCOT	T	PLEX8	
2.14E-01	0|0	Cs1g19830.1/Cs1g198	5.32	0	0	2	MASCOT	T		
4.08E-04	0|0	Cs1g19830.1/Cs1g198	5.32	0	0	2	MASCOT	T		
1.05E-04	0|0	orange1.1t02000.1	4.64	0	0	2	MASCOT	T	PLEX8	
4.84E-02	0|0	orange1.1t02000.1	4.64	0	0	2	MASCOT	T	PLEX8	
2.56E-02	0|0	orange1.1t02000.1	4.64	0	0	2	MASCOT	T	PLEX8	
3.13E-03	0|0	orange1.1t02000.1	4.64	0	0	2	MASCOT	T	PLEX8	
1.17E-02	0|0	Cs1g19830.1/Cs3g180	6.91	0	0	2	MASCOT	T	PLEX8	
5.42E-03	0|0	Cs1g19830.1/Cs3g180	6.91	0	0	2	MASCOT	T	PLEX8	
9.33E-03	0|0	Cs1g13530.1	5.87	0	0	2	MASCOT	T	PLEX8	
1.39E-01	0|0	Cs1g13530.1	5.87	0	0	2	MASCOT	T		
4.14E-04	0|0	Cs1g13530.1	5.87	0	0	2	MASCOT	T	PLEX8	
1.10E-04	0|0	Cs1g13530.1	5.87	0	0	2	MASCOT	T	PLEX8	
2.64E-02	0|0	Cs1g13530.1	5.87	0	0	2	MASCOT	T	PLEX8	
3.07E-03	0|0	Cs1g13530.1	4.41	0	0	2	MASCOT	T	PLEX8	
1.16E-01	0|0	Cs1g13530.1	5.84	0	0	2	MASCOT	T	PLEX8	
1.11E-02	0|0	Cs1g13530.1	5.84	0	0	2	MASCOT	T	PLEX8	
2.52E-02	0|0	Cs1g13530.1	5.84	0	0	2	MASCOT	T	PLEX8	
3.73E-02	0|0	Cs1g13530.1	5.84	0	0	2	MASCOT	T	PLEX8	
4.54E-01	0|0	Cs1g13530.1	5.84	0	0	2	MASCOT	T	PLEX8	
7.19E-03	0|0	Cs1g13530.1	5.84	0	0	2	MASCOT	T		
1.45E-01	0|0	Cs1g13530.1	3.92	0	15.9	0	2	MASCOT	T	PLEX8

1.01E-01 0|0	Cs1g13530.1	3.92	0	15.9	0	2	MASCOT	T	PLEX8
1.62E-01 0|0	Cs1g13530.1	3.92	0	15.9	0	2	MASCOT	T	
5.43E-03 0|0	Cs1g13530.1	3.92	0		0	2	MASCOT	T	
2.99E-04 0|0	Cs1g13530.1	3.92	0		0	2	MASCOT	T	
1.03E-02 0|0	Cs1g13530.1	3.92	0		0	2	MASCOT	T	PLEX8
1.02E-01 0|0	Cs1g13530.1	8.75	0		0	2	MASCOT	T	PLEX8
1.08E-02 0|0	Cs1g13530.1	6	0		0	2	MASCOT	T	PLEX8
3.98E-04 0|0	Cs1g13530.1	6	0		0	2	MASCOT	T	PLEX8
1.08E-02 0|0	Cs1g13530.1	6	0		0	2	MASCOT	T	PLEX8
8.04E-03 0|0	Cs1g13530.1	6	0		0	2	MASCOT	T	PLEX8
1.11E-02 0|0	Cs1g13530.1	6	0		0	2	MASCOT	T	PLEX8
1.76E-01 0|0	Cs1g13530.1	9.75	0		0	2	MASCOT	T	PLEX8
2.61E-01 0|0	Cs1g13530.1	5.75	0		0	2	MASCOT	T	PLEX8
8.23E-02 0|0	Cs1g13530.1	5.75	0		0	2	MASCOT	T	PLEX8
9.33E-02 0|0	Cs1g13530.1	5.75	0		0	2	MASCOT	T	PLEX8
7.07E-02 0|0	Cs1g13530.1	5.75	0		0	2	MASCOT	T	PLEX8
1.32E-03 0|0	Cs1g13530.1	5.84	0		0	2	MASCOT	T	PLEX8
2.04E-01 0|0	Cs1g13530.1	5.84	0		0	2	MASCOT	T	PLEX8
3.63E-03 0|0	Cs1g13530.1	5.84	0		0	2	MASCOT	T	PLEX8
5.68E-02 0|0	Cs1g13530.1	5.83	0		0	2	MASCOT	T	PLEX8
7.76E-02 0|0	Cs1g13530.1	5.83	0		0	2	MASCOT	T	PLEX8
2.24E-01 0|0	Cs1g13530.1	5.83	0		0	2	MASCOT	T	PLEX8
1.68E-01 0|0	Cs1g13530.1	5.83	0		0	2	MASCOT	T	PLEX8
4.29E-02 0|0	Cs1g13530.1	5.83	0		0	2	MASCOT	T	
1.70E-01 0|0	Cs1g13530.1	5.83	0		0	2	MASCOT	T	PLEX8
1.29E-01 0|0	Cs1g13530.1	5.83	0		0	2	MASCOT	T	PLEX8
7.77E-02 0|0	Cs1g13530.1	5.83	0		0	2	MASCOT	T	PLEX8
8.32E-02 0|0	Cs1g13530.1	5.83	0		0	2	MASCOT	T	PLEX8
2.91E-03 0|0	Cs1g13530.1	5.55	0		0	2	MASCOT	T	PLEX8
7.71E-03 0|0	Cs1g13530.1	5.55	0		0	2	MASCOT	T	PLEX8
1.22E-01 0|0	Cs1g13530.1	5.55	0		0	2	MASCOT	T	
1.24E-03 0|0	Cs1g13530.1	5.55	0		0	2	MASCOT	T	
4.58E-04 0|0	Cs5g09210.1/Cs5g092	5.88	0		0	2	MASCOT	T	PLEX8
1.05E-03 0|0	Cs5g09210.1/Cs5g092	5.88	0		0	2	MASCOT	T	PLEX8
4.05E-05 0|0	Cs5g09210.1/Cs5g092	5.88	0		0	2	MASCOT	T	PLEX8
4.28E-05 0|0	Cs5g09210.1/Cs5g092	5.88	0		0	2	MASCOT	T	PLEX8
3.16E-03 0|0	Cs5g09210.1/Cs5g092	5.88	0		0	2	MASCOT	T	PLEX8
1.61E-02 0|0	Cs5g09210.1/Cs5g092	5.88	0		0	2	MASCOT	T	PLEX8
1.37E-03 0|0	Cs5g09210.1/Cs5g092	5.88	0		0	2	MASCOT	T	PLEX8
2.38E-05 0|0	Cs5g09210.1/Cs5g092	5.88	0		0	2	MASCOT	T	PLEX8
4.08E-02 0|0	Cs5g09210.1/Cs5g092	5.88	0		0	2	MASCOT	T	PLEX8
7.54E-02 0|0	Cs5g09210.1/Cs5g092	5.88	0		0	2	MASCOT	T	PLEX8
1.58E-02 0|0	Cs5g09210.1/Cs5g092	8.55	0		0	2	MASCOT	T	PLEX8
7.00E-02 0|0	Cs5g09210.1/Cs5g092	8.55	0		0	2	MASCOT	T	PLEX8
5.32E-02 0|0	Cs5g09210.1/Cs5g092	8.55	0		0	2	MASCOT	T	
1.84E-01 0|0	Cs5g09210.1/Cs5g092	4.14	0		0	2	MASCOT	T	PLEX8
1.51E-01 0|0	Cs5g09210.1/Cs5g092	4.14	0		0	2	MASCOT	T	PLEX8
4.64E-02 0|0	Cs5g09210.1/Cs5g092	4.14	0		0	2	MASCOT	T	PLEX8
4.64E-02 0|0	Cs5g09210.1/Cs5g092	4.53	0		0	2	MASCOT	T	PLEX8
7.73E-02 0|0	Cs5g09210.1/Cs5g092	6.07	1		0	2	MASCOT	T	PLEX8
5.98E-02 0|0	Cs5g09210.1/Cs5g092	6.07	1		0	2	MASCOT	T	PLEX8

4.37E-02	0|0	Cs5g09210.1/Cs5g092	6.07	1	0	2	MASCOT	T	PLEX8	
2.54E-02	0|0	Cs5g09210.1/Cs5g092	6.07	1	0	2	MASCOT	T	PLEX8	
3.73E-02	0|0	Cs5g09210.1/Cs5g092	6.71	0	0	2	MASCOT	T		
1.06E-01	0|0	Cs5g09210.1/Cs5g092	4.37	0	0	2	MASCOT	T	PLEX8	
3.88E-02	0|0	Cs5g09210.1/Cs5g092	4.37	0	0	2	MASCOT	T	PLEX8	
2.57E-02	0|0	Cs5g09210.1/Cs5g092	6.74	0	0	2	MASCOT	T	PLEX8	
4.86E-04	0|0	Cs5g09210.1/Cs5g092	6.74	0	0	2	MASCOT	T	PLEX8	
3.11E-01	0|0	Cs5g09210.1/Cs5g092	6.74	0	0	2	MASCOT	T	PLEX8	
3.50E-04	0|0	Cs5g09210.1/Cs5g092	6.74	0	0	2	MASCOT	T	PLEX8	
2.18E-03	0|0	Cs5g09210.1/Cs5g092	6.74	0	0	2	MASCOT	T	PLEX8	
5.31E-02	0|0	Cs5g09210.1/Cs5g092	6.74	0	0	2	MASCOT	T	PLEX8	
6.63E-04	0|0	Cs5g09210.1/Cs5g092	6.74	0	0	2	MASCOT	T	PLEX8	
4.21E-03	0|0	Cs5g09210.1/Cs5g092	6.74	0	0	2	MASCOT	T	PLEX8	
7.55E-02	0|0	Cs5g09210.1/Cs5g092	6.74	0	0	2	MASCOT	T	PLEX8	
7.68E-04	0|0	Cs5g09210.1/Cs5g092	6.74	0	0	2	MASCOT	T	PLEX8	
1.31E-01	0|0	Cs5g09210.1/Cs5g092	8.22	0	0	2	MASCOT	T	PLEX8	
5.89E-02	0|0	Cs5g09210.1/Cs5g092	4.25	0	0	2	MASCOT	T		
2.32E-02	0|0	Cs5g09210.1/Cs5g092	4.25	0	0	2	MASCOT	T		
1.25E-02	0|0	Cs5g09210.1/Cs5g092	4.25	0	0	2	MASCOT	T		
1.32E-03	0|0	Cs5g09210.1	4.21	0	15.9	0	2	MASCOT	T	PLEX8
2.22E-03	0|0	Cs5g09210.1	4.21	0	0	2	MASCOT	T	PLEX8	
9.64E-02	0|0	Cs5g09210.1	4.21	0	0	2	MASCOT	T	PLEX8	
5.11E-04	0|0	Cs5g09210.1	4.21	0	0	2	MASCOT	T	PLEX8	
6.19E-05	0|0	Cs5g09210.1	4.21	0	0	2	MASCOT	T	PLEX8	
8.81E-02	0|0	Cs5g09210.1/Cs5g092	4.37	0	0	2	MASCOT	T	PLEX8	
3.55E-04	0|0	Cs1g05000.1/Cs1g050	4.21	0	0	2	MASCOT	T	PLEX8	
7.36E-03	0|0	Cs1g05000.1/Cs1g050	4.03	0	0	2	MASCOT	T	PLEX8	
4.95E-04	0|0	Cs1g05000.1/Cs1g050	4.03	0	0	2	MASCOT	T	PLEX8	
4.62E-04	0|0	Cs1g05000.1/Cs1g050	4.03	0	0	2	MASCOT	T	PLEX8	
3.31E-04	0|0	Cs1g05000.1/Cs1g050	4.03	0	0	2	MASCOT	T	PLEX8	
1.10E-03	0|0	Cs1g05000.1/Cs1g050	4.03	0	0	2	MASCOT	T	PLEX8	
8.23E-03	0|0	Cs1g05000.1/Cs1g050	4.03	0	0	2	MASCOT	T	PLEX8	
1.38E-01	0|0	Cs1g05000.1/Cs1g050	6.1	0	15.9	0	2	MASCOT	T	PLEX8
1.03E-01	0|0	Cs1g05000.1/Cs1g050	6.1	0	15.9	0	2	MASCOT	T	PLEX8
1.06E-01	0|0	Cs1g05000.1/Cs1g050	6.1	0	0	2	MASCOT	T	PLEX8	
1.29E-03	0|0	Cs1g05000.1/Cs1g050	6.1	0	0	2	MASCOT	T	PLEX8	
1.02E-02	0|0	Cs1g05000.1/Cs1g050	6.1	0	0	2	MASCOT	T	PLEX8	
2.50E-02	0|0	Cs1g05000.1/Cs1g050	6.1	0	0	2	MASCOT	T	PLEX8	
3.24E-02	0|0	Cs1g05000.1/Cs1g050	6.1	0	0	2	MASCOT	T	PLEX8	
4.53E-02	0|0	Cs1g05000.1/Cs1g050	6.1	0	0	2	MASCOT	T	PLEX8	
4.02E-01	0|0	Cs1g05000.1/Cs1g050	6.1	0	0	2	MASCOT	T	PLEX8	
1.38E-06	0|0	Cs1g05000.1/Cs1g050	4.65	0	0	2	MASCOT	T	PLEX8	
1.15E-02	0|0	Cs1g05000.1/Cs1g050	4.65	0	0	2	MASCOT	T	PLEX8	
9.53E-04	0|0	Cs1g05000.1/Cs1g050	4.65	0	0	2	MASCOT	T	PLEX8	
6.05E-04	0|0	Cs1g05000.1/Cs1g050	4.65	0	0	2	MASCOT	T	PLEX8	
3.67E-04	0|0	Cs1g05000.1/Cs1g050	4.14	0	0	2	MASCOT	T	PLEX8	
1.30E-01	0|0	Cs1g05000.1/Cs1g050	5.72	0	0	2	MASCOT	T	PLEX8	
1.58E-01	0|0	Cs1g05000.1/Cs1g050	4.31	0	15.9	0	2	MASCOT	T	PLEX8
1.94E-03	0|0	Cs1g05000.1/Cs1g050	4.31	0	0	2	MASCOT	T	PLEX8	
1.75E-01	0|0	Cs1g05000.1/Cs1g050	4.21	0	0	2	MASCOT	T	PLEX8	
2.35E-03	0|0	Cs1g05000.1/Cs1g050	4.21	0	0	2	MASCOT	T	PLEX8	

2.27E-03	0|0	Cs1g05000.1/Cs1g050	4.21	0	0	2	MASCOT	T	PLEX8	
3.09E-01	0|0	Cs1g05000.1/Cs1g050	4.21	0	0	2	MASCOT	T	PLEX8	
2.41E-01	0|0	Cs1g05000.1/Cs1g050	8.75	0	0	2	MASCOT	T	PLEX8	
3.26E-02	0|0	Cs1g05000.1/Cs1g050	6	0	0	2	MASCOT	T	PLEX8	
9.20E-03	0|0	Cs1g05000.1/Cs1g050	8.76	0	15.9	0	2	MASCOT	T	PLEX8
1.31E-01	0|0	Cs1g05000.1/Cs1g050	8.76	0	15.9	0	2	MASCOT	T	PLEX8
3.24E-02	0|0	Cs1g05000.1/Cs1g050	8.76	0	15.9	0	2	MASCOT	T	PLEX8
5.05E-02	0|0	Cs1g05000.1/Cs1g050	8.76	0	15.9	0	2	MASCOT	T	PLEX8
2.33E-02	0|0	Cs1g05000.1/Cs1g050	8.76	0	0	2	MASCOT	T	PLEX8	
2.56E-03	0|0	Cs1g05000.1/Cs1g050	8.76	0	0	2	MASCOT	T	PLEX8	
3.55E-04	0|0	Cs1g05000.1/Cs1g050	8.76	0	0	2	MASCOT	T	PLEX8	
4.98E-02	0|0	Cs1g05000.1/Cs1g050	4.75	0	0	2	MASCOT	T	PLEX8	
1.47E-01	0|0	Cs1g05000.1/Cs1g050	4.75	0	0	2	MASCOT	T	PLEX8	
3.15E-01	0|0	Cs1g05000.1/Cs1g050	4.75	0	0	2	MASCOT	T	PLEX8	
4.30E-01	0|0	Cs1g05000.1/Cs1g050	4.75	0	0	2	MASCOT	T		
3.81E-04	0|0	Cs1g05000.1/Cs1g050	4.75	0	0	2	MASCOT	T		
1.31E-01	0|0	Cs2g17560.1	4.21	0	0	2	MASCOT	T	PLEX8	
2.82E-02	0|0	Cs2g17560.1/Cs2g175	6	0	0	2	MASCOT	T	PLEX8	
1.49E-01	0|0	Cs2g17560.1/Cs2g175	6	0	0	2	MASCOT	T	PLEX8	
3.95E-02	0|0	Cs2g17560.1/Cs2g175	6	0	0	2	MASCOT	T	PLEX8	
6.40E-02	0|0	Cs2g17560.1/Cs2g175	8.08	0	15.9	0	2	MASCOT	T	
2.73E-03	0|0	Cs2g17560.1/Cs2g175	5.84	0	0	2	MASCOT	T		
6.31E-02	0|0	Cs2g17560.1/Cs2g175	5.84	0	0	2	MASCOT	T		
4.44E-04	0|0	Cs2g17560.1/Cs2g175	5.84	0	0	2	MASCOT	T		
7.30E-05	0|0	Cs2g17560.1/Cs2g175	5.84	0	0	2	MASCOT	T		
7.33E-05	0|0	Cs2g17560.1	4.21	0	0	2	MASCOT	T		
2.79E-01	0|0	Cs2g17560.1	4.21	0	0	2	MASCOT	T	PLEX8	
9.71E-02	0|0	Cs2g17560.1/Cs2g175	5.84	0	0	2	MASCOT	T	PLEX8	
1.34E-03	0|0	Cs2g17560.1	4.5	0	0	2	MASCOT	T	PLEX8	
8.74E-02	0|0	Cs2g17560.1	4.5	0	0	2	MASCOT	T	PLEX8	
2.42E-01	0|0	Cs2g17560.1	4.5	0	0	2	MASCOT	T	PLEX8	
1.67E-01	0|0	Cs2g17560.1	4.5	0	0	2	MASCOT	T		
3.02E-01	0|0	Cs2g17560.1	4.5	0	0	2	MASCOT	T		
4.51E-02	0|0	Cs2g17560.1	4.5	0	0	2	MASCOT	T	PLEX8	
3.86E-02	0|0	Cs2g17560.1	4.5	0	0	2	MASCOT	T	PLEX8	
2.62E-01	0|0	Cs2g17560.1	4.5	0	0	2	MASCOT	T	PLEX8	
3.52E-02	0|0	Cs2g17560.1	4.5	0	0	2	MASCOT	T	PLEX8	
1.14E-01	0|0	Cs2g17560.1	4.5	0	0	2	MASCOT	T	PLEX8	
1.04E-02	0|0	Cs2g17560.1	4.5	0	0	2	MASCOT	T	PLEX8	
1.78E-03	0|0	Cs2g17560.1	6.79	0	0	2	MASCOT	T	PLEX8	
2.55E-02	0|0	Cs2g17560.1	6.79	0	0	2	MASCOT	T	PLEX8	
1.24E-01	0|0	Cs2g17560.1	6.79	0	0	2	MASCOT	T	PLEX8	
3.61E-03	0|0	Cs2g17560.1	5.38	1	0	2	MASCOT	T	PLEX8	
4.10E-02	0|0	Cs2g17560.1	5.38	1	0	2	MASCOT	T		
5.52E-03	0|0	Cs2g17560.1	4.13	0	0	2	MASCOT	T	PLEX8	
9.17E-04	0|0	Cs2g17560.1	4.13	0	0	2	MASCOT	T	PLEX8	
1.26E-05	0|0	Cs2g17560.1	4.13	0	0	2	MASCOT	T		
2.69E-04	0|0	Cs2g17560.1	4.13	0	0	2	MASCOT	T	PLEX8	
1.57E-03	0|0	Cs2g17560.1	4.13	0	0	2	MASCOT	T	PLEX8	
6.52E-03	0|0	Cs2g17560.1	4.13	0	0	2	MASCOT	T	PLEX8	
2.65E-03	0|0	Cs2g17560.1	4.13	0	0	2	MASCOT	T	PLEX8	

2.08E-02	0|0	Cs2g17560.1	4.13	0	0	2	MASCOT	T	PLEX8	
5.51E-03	0|0	Cs2g17560.1	4.13	0	0	2	MASCOT	T		
1.45E-03	0|0	Cs2g17560.1	4.13	0	0	2	MASCOT	T	PLEX8	
1.66E-02	0|0	Cs2g17560.1	4.13	0	0	2	MASCOT	T	PLEX8	
1.84E-02	0|0	Cs2g17560.1	4.56	1	0	2	MASCOT	T		
1.84E-01	0|0	Cs2g17560.1/Cs2g175	8.22	0	0	2	MASCOT	T	PLEX8	
1.08E-01	0|0	Cs2g17560.1/Cs2g175	8.22	0	0	2	MASCOT	T	PLEX8	
1.04E-03	0|0	Cs6g04140.1/Cs6g041	6.74	0	0	2	MASCOT	T	PLEX8	
1.44E-03	0|0	Cs6g04140.1/Cs6g041	6.74	0	0	2	MASCOT	T	PLEX8	
2.89E-01	0|0	Cs6g04140.1/Cs6g041	6.74	0	0	2	MASCOT	T	PLEX8	
1.84E-02	0|0	Cs6g04140.1/Cs6g041	6.74	0	0	2	MASCOT	T	PLEX8	
2.84E-01	0|0	Cs6g04140.1/Cs6g041	6.74	0	0	2	MASCOT	T	PLEX8	
2.24E-02	0|0	Cs6g04140.1/Cs6g041	4.37	0	0	2	MASCOT	T	PLEX8	
2.51E-02	0|0	Cs6g04140.1/Cs6g041	4.37	0	0	2	MASCOT	T	PLEX8	
1.79E-01	0|0	Cs6g04140.1/Cs6g041	4.37	0	0	2	MASCOT	T	PLEX8	
5.89E-02	0|0	Cs6g04140.1/Cs6g041	4.37	0	0	2	MASCOT	T	PLEX8	
3.08E-02	0|0	Cs6g04140.1/Cs6g041	4.37	0	0	2	MASCOT	T	PLEX8	
2.03E-01	0|0	Cs6g04140.1/Cs6g041	4.37	0	0	2	MASCOT	T	PLEX8	
1.43E-01	0|0	Cs6g04140.1/Cs6g041	4.37	0	0	2	MASCOT	T	PLEX8	
2.26E-01	0|0	Cs6g04140.1/Cs6g041	4.37	0	0	2	MASCOT	T	PLEX8	
3.64E-02	0|0	Cs6g04140.1/Cs6g041	4.37	0	0	2	MASCOT	T	PLEX8	
3.47E-01	0|0	Cs6g04140.1/Cs6g041	4.37	0	0	2	MASCOT	T		
1.10E-01	0|0	Cs6g04140.1/Cs6g041	6.74	0	0	2	MASCOT	T	PLEX8	
4.59E-02	0|0	Cs6g04140.1/Cs6g041	6.74	0	0	2	MASCOT	T		
4.70E-01	0|0	Cs6g04140.1/Cs6g041	8.26	0	0	2	MASCOT	T		
2.09E-02	0|0	Cs6g04140.1/Cs6g041	3.91	0	0	2	MASCOT	T	PLEX8	
1.18E-01	0|0	Cs6g04140.1/Cs6g041	4.37	0	0	2	MASCOT	T	PLEX8	
2.34E-03	0|0	Cs6g04140.1/Cs6g041	9.41	0	0	2	MASCOT	T	PLEX8	
2.59E-03	0|0	Cs6g04140.1/Cs6g041	9.41	0	0	2	MASCOT	T	PLEX8	
6.42E-02	0|0	Cs6g04140.1/Cs6g041	9.41	0	0	2	MASCOT	T	PLEX8	
1.38E-03	0|0	Cs6g04140.1/Cs6g041	9.41	0	0	2	MASCOT	T	PLEX8	
2.95E-02	0|0	Cs6g04140.1/Cs6g041	9.41	0	0	2	MASCOT	T	PLEX8	
1.30E-01	0|0	Cs6g04140.1/Cs6g041	4.37	0	0	2	MASCOT	T		
2.04E-07	0|0	Cs6g04140.1	4.1	0	0	2	MASCOT	T	PLEX8	
3.35E-04	0|0	Cs6g04140.1	4.1	0	0	2	MASCOT	T	PLEX8	
2.96E-03	0|0	Cs6g04140.1	4.1	0	0	2	MASCOT	T	PLEX8	
4.55E-02	0|0	Cs6g04140.1	4.1	0	0	2	MASCOT	T		
2.31E-01	0|0	Cs6g04140.1/Cs6g041	5.21	0	15.9	0	2	MASCOT	T	PLEX8
2.04E-01	0|0	Cs6g04140.1/Cs6g041	5.21	0	15.9	0	2	MASCOT	T	PLEX8
6.41E-03	0|0	Cs6g04140.1/Cs6g041	4.72	0	0	2	MASCOT	T	PLEX8	
7.32E-07	0|0	Cs6g04140.1/Cs6g041	4.72	0	0	2	MASCOT	T	PLEX8	
5.47E-07	0|0	Cs6g04140.1/Cs6g041	4.72	0	0	2	MASCOT	T	PLEX8	
1.00E-01	0|0	Cs6g04140.1/Cs6g041	4.72	0	0	2	MASCOT	T	PLEX8	
5.95E-02	0|0	Cs6g04140.1/Cs6g041	4.72	0	0	2	MASCOT	T	PLEX8	
7.76E-03	0|0	Cs6g04140.1/Cs6g041	4.72	0	0	2	MASCOT	T	PLEX8	
3.25E-02	0|0	Cs6g04140.1/Cs6g041	4.72	0	0	2	MASCOT	T	PLEX8	
6.41E-03	0|0	Cs6g04140.1/Cs6g041	4.72	0	0	2	MASCOT	T	PLEX8	
3.59E-02	0|0	Cs6g04140.1/Cs6g041	6.74	0	0	2	MASCOT	T	PLEX8	
3.48E-04	0|0	Cs6g04140.1/Cs6g041	6.74	0	0	2	MASCOT	T	PLEX8	
5.23E-02	0|0	Cs2g03010.1/Cs2g030	9.8	0	0	2	MASCOT	T	PLEX8	
1.89E-03	0|0	Cs8g17280.1/Cs8g172	3.91	0	0	2	MASCOT	T		

2.03E-01	0|0	Cs8g17280.1/Cs8g172	6.1	0	0	2	MASCOT	T	PLEX8
1.04E-02	0|0	Cs8g17280.1/Cs8g172	6	0	0	2	MASCOT	T	PLEX8
6.06E-02	0|0	Cs8g17280.1/Cs8g172	6	0	0	2	MASCOT	T	PLEX8
8.22E-02	0|0	Cs8g17280.1/Cs8g172	6	0	0	2	MASCOT	T	PLEX8
1.97E-01	0|0	Cs8g17280.1/Cs8g172	6	0	0	2	MASCOT	T	PLEX8
8.80E-02	0|0	Cs8g17280.1/Cs8g172	6	0	0	2	MASCOT	T	PLEX8
3.16E-02	0|0	Cs8g17280.1/Cs8g172	6	0	0	2	MASCOT	T	
1.40E-01	0|0	Cs8g17280.1/Cs8g172	6	0	0	2	MASCOT	T	PLEX8
7.75E-02	0|0	Cs8g17280.1/Cs8g172	6	0	0	2	MASCOT	T	PLEX8
9.05E-02	0|0	Cs8g17280.1/Cs8g172	6	0	0	2	MASCOT	T	PLEX8
4.65E-04	0|0	Cs8g17280.1/Cs8g172	6.79	0	0	2	MASCOT	T	PLEX8
4.10E-05	0|0	Cs8g17280.1/Cs8g172	6.79	0	0	2	MASCOT	T	PLEX8
3.02E-04	0|0	Cs8g17280.1/Cs8g172	6.79	0	0	2	MASCOT	T	
1.85E-01	0|0	Cs8g17280.1/Cs8g172	4.03	0	0	2	MASCOT	T	PLEX8
7.39E-02	0|0	Cs8g17280.1/Cs8g172	4.03	0	0	2	MASCOT	T	PLEX8
4.65E-02	0|0	Cs8g17280.1/Cs8g172	9.75	0	0	2	MASCOT	T	PLEX8
5.40E-02	0|0	Cs8g17280.1/Cs8g172	4.53	0	0	2	MASCOT	T	PLEX8
1.15E-03	0|0	Cs8g17280.1/Cs8g172	4.53	0	0	2	MASCOT	T	PLEX8
7.19E-03	0|0	Cs8g17280.1/Cs8g172	4.53	0	0	2	MASCOT	T	PLEX8
5.19E-04	0|0	Cs8g17280.1/Cs8g172	4.53	0	0	2	MASCOT	T	PLEX8
6.18E-04	0|0	Cs8g17280.1/Cs8g172	4.53	0	0	2	MASCOT	T	PLEX8
6.11E-03	0|0	Cs8g17280.1/Cs8g172	4.53	0	0	2	MASCOT	T	
2.78E-02	0|0	Cs8g17280.1/Cs8g172	4.53	0	0	2	MASCOT	T	
2.97E-02	0|0	Cs8g17280.1/Cs8g172	8.23	0	0	2	MASCOT	T	PLEX8
3.73E-02	0|0	Cs8g17280.1/Cs8g172	8.23	0	0	2	MASCOT	T	PLEX8
2.63E-01	0|0	Cs8g17280.1/Cs8g172	8.23	0	0	2	MASCOT	T	PLEX8
3.02E-01	0|0	Cs8g17280.1/Cs8g172	6.75	0	0	2	MASCOT	T	PLEX8
2.38E-01	0|0	Cs8g17280.1/Cs8g172	6.75	0	0	2	MASCOT	T	PLEX8
1.19E-02	0|0	Cs8g17280.1/Cs8g172	6.75	0	0	2	MASCOT	T	PLEX8
5.50E-02	0|0	Cs8g17280.1/Cs8g172	6.75	0	0	2	MASCOT	T	PLEX8
2.32E-02	0|0	Cs8g17280.1/Cs8g172	6.75	0	0	2	MASCOT	T	PLEX8
7.96E-03	0|0	Cs8g17280.1/Cs8g172	6.75	0	0	2	MASCOT	T	PLEX8
2.49E-03	0|0	Cs8g17280.1/Cs8g172	4.21	0	0	2	MASCOT	T	PLEX8
8.46E-03	0|0	Cs8g17280.1/Cs8g172	4.21	0	0	2	MASCOT	T	PLEX8
2.93E-03	0|0	Cs8g17280.1/Cs8g172	4.21	0	0	2	MASCOT	T	PLEX8
8.44E-02	0|0	Cs8g17280.1/Cs8g172	6.71	0	0	2	MASCOT	T	PLEX8
2.39E-01	0|0	Cs8g17280.1/Cs8g172	6.71	0	0	2	MASCOT	T	PLEX8
5.31E-02	0|0	Cs8g17280.1/Cs8g172	6.71	0	0	2	MASCOT	T	PLEX8
2.41E-04	0|0	Cs8g17280.1/Cs8g172	6.71	0	0	2	MASCOT	T	PLEX8
3.01E-04	0|0	Cs5g20740.1/Cs5g207	6.75	0	0	2	MASCOT	T	PLEX8
4.00E-02	0|0	Cs5g20740.1/Cs5g207	6.75	0	0	2	MASCOT	T	PLEX8
3.90E-04	0|0	Cs5g20740.1/Cs5g207	6.75	0	0	2	MASCOT	T	
1.62E-01	0|0	Cs5g20740.1/Cs5g207	6.75	0	0	2	MASCOT	T	
1.03E-02	0|0	Cs5g20740.1/Cs5g207	6.75	0	0	2	MASCOT	T	
1.91E-03	0|0	Cs5g20740.1/Cs5g207	5.84	0	0	2	MASCOT	T	PLEX8
6.95E-02	0|0	Cs5g20740.1/Cs5g207	8.75	0	0	2	MASCOT	T	
1.36E-02	0|0	Cs5g20740.1/Cs5g207	11	0	0	2	MASCOT	T	PLEX8
2.82E-02	0|0	Cs5g20740.1/Cs5g207	6.73	0	0	2	MASCOT	T	PLEX8
2.22E-01	0|0	Cs5g20740.1/Cs5g207	6.73	0	0	2	MASCOT	T	
7.35E-05	0|0	Cs5g20740.1/Cs5g207	4.37	0	0	2	MASCOT	T	PLEX8
1.08E-04	0|0	Cs5g20740.1/Cs5g207	4.37	0	0	2	MASCOT	T	PLEX8

8.80E-02	0|0	Cs5g20740.1/Cs5g207	4.37	0	0	2	MASCOT	T	PLEX8	
3.32E-02	0|0	Cs5g20740.1/Cs5g207	4.37	0	0	2	MASCOT	T	PLEX8	
8.05E-05	0|0	Cs5g20740.1/Cs5g207	4.37	0	0	2	MASCOT	T	PLEX8	
8.76E-02	0|0	Cs5g20740.1/Cs5g207	6.04	0	0	2	MASCOT	T	PLEX8	
2.37E-04	0|0	Cs5g20740.1/Cs5g207	6.04	0	0	2	MASCOT	T	PLEX8	
2.26E-02	0|0	Cs5g20740.1/Cs5g207	4.21	0	0	2	MASCOT	T	PLEX8	
1.14E-01	0|0	Cs5g20740.1/Cs5g207	8.75	0	15.9	0	2	MASCOT	T	PLEX8
2.83E-02	0|0	Cs5g20740.1/Cs5g207	9.75	0	0	2	MASCOT	T	PLEX8	
8.30E-02	0|0	Cs5g20740.1/Cs5g207	9.75	0	0	2	MASCOT	T	PLEX8	
1.96E-01	0|0	Cs5g20740.1/Cs5g207	6	0	0	2	MASCOT	T	PLEX8	
3.04E-01	0|0	Cs5g20740.1/Cs5g207	6	0	0	2	MASCOT	T	PLEX8	
3.67E-01	0|0	Cs5g20740.1/Cs5g207	6	0	0	2	MASCOT	T	PLEX8	
2.69E-02	0|0	Cs5g20740.1/Cs5g207	6	0	0	2	MASCOT	T	PLEX8	
3.96E-02	0|0	Cs5g20740.1/Cs5g207	6	0	0	2	MASCOT	T	PLEX8	
2.38E-01	0|0	Cs5g20740.1/Cs5g207	6	0	0	2	MASCOT	T		
1.66E-01	0|0	Cs5g20740.1/Cs5g207	6	0	0	2	MASCOT	T	PLEX8	
9.41E-02	0|0	Cs5g20740.1/Cs5g207	6	0	0	2	MASCOT	T	PLEX8	
6.97E-02	0|0	Cs5g20740.1/Cs5g207	5.97	0	15.9	0	2	MASCOT	T	
1.20E-03	0|0	Cs5g20740.1/Cs5g207	5.97	0	0	2	MASCOT	T		
5.66E-03	0|0	Cs5g20740.1/Cs5g207	5.97	0	0	2	MASCOT	T		
2.11E-01	0|0	Cs7g31650.1	6.04	0	0	2	MASCOT	T	PLEX8	
2.89E-01	0|0	Cs7g31650.1	4.37	0	15.9	0	2	MASCOT	T	PLEX8
2.75E-02	0|0	Cs7g31650.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.43E-03	0|0	Cs7g31650.1	4.37	0	0	2	MASCOT	T	PLEX8	
3.13E-02	0|0	Cs7g31650.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.38E-01	0|0	Cs7g31650.1	6.05	0	0	2	MASCOT	T	PLEX8	
3.07E-01	0|0	Cs7g31650.1	6.05	0	0	2	MASCOT	T	PLEX8	
5.20E-02	0|0	Cs7g31650.1	6.05	0	0	2	MASCOT	T	PLEX8	
2.26E-01	0|0	Cs7g31650.1	6.05	0	0	2	MASCOT	T	PLEX8	
2.42E-02	0|0	Cs7g31650.1	6.05	0	0	2	MASCOT	T	PLEX8	
2.51E-01	0|0	Cs7g31650.1	6.05	0	0	2	MASCOT	T	PLEX8	
2.53E-01	0|0	Cs7g31650.1	6.05	0	0	2	MASCOT	T	PLEX8	
2.03E-01	0|0	Cs7g31650.1	6.05	0	0	2	MASCOT	T	PLEX8	
9.56E-03	0|0	Cs7g31650.1	6.05	0	0	2	MASCOT	T	PLEX8	
2.85E-02	0|0	Cs7g31650.1	5.99	0	0	2	MASCOT	T	PLEX8	
3.58E-02	0|0	Cs7g31650.1	4.09	0	0	2	MASCOT	T		
1.41E-02	0|0	Cs7g31650.1	8.47	0	0	2	MASCOT	T	PLEX8	
3.82E-02	0|0	Cs7g31650.1	8.47	0	0	2	MASCOT	T	PLEX8	
7.68E-02	0|0	Cs7g31650.1	4.14	0	0	2	MASCOT	T	PLEX8	
1.10E-04	0|0	Cs7g31650.1	4.14	0	0	2	MASCOT	T	PLEX8	
2.13E-02	0|0	Cs7g31650.1	4.14	0	0	2	MASCOT	T	PLEX8	
7.44E-03	0|0	Cs7g31650.1	4.21	0	0	2	MASCOT	T		
1.57E-01	0|0	Cs7g31650.1	4.21	0	0	2	MASCOT	T		
2.39E-01	0|0	Cs7g31650.1	4.09	0	0	2	MASCOT	T		
4.19E-01	0|0	Cs7g31650.1	8.6	0	15.9	0	2	MASCOT	T	PLEX8
6.18E-02	0|0	Cs7g31650.1	4.53	0	0	2	MASCOT	T	PLEX8	
6.50E-05	0|0	Cs7g31650.1	4.53	0	0	2	MASCOT	T	PLEX8	
2.86E-02	0|0	Cs7g31650.1	4.53	0	0	2	MASCOT	T	PLEX8	
8.90E-03	0|0	Cs7g31650.1	4.53	0	0	2	MASCOT	T	PLEX8	
6.37E-02	0|0	Cs7g31650.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.15E-02	0|0	Cs7g31650.1	8.44	0	0	2	MASCOT	T	PLEX8	

1.27E-02	0|0	Cs2g23520.1/Cs2g235	9.75	0	0	2	MASCOT	T	PLEX8	
1.14E-04	0|0	Cs2g23520.1/Cs2g235	4.37	0	0	2	MASCOT	T	PLEX8	
5.77E-05	0|0	Cs2g23520.1/Cs2g235	4.37	0	0	2	MASCOT	T	PLEX8	
6.17E-03	0|0	Cs2g23520.1/Cs2g235	4.37	0	0	2	MASCOT	T	PLEX8	
1.36E-04	0|0	Cs2g23520.1/Cs2g235	4.37	0	0	2	MASCOT	T	PLEX8	
3.88E-03	0|0	Cs2g23520.1/Cs2g235	4.37	0	0	2	MASCOT	T	PLEX8	
4.10E-02	0|0	Cs2g23520.1/Cs2g235	8.75	0	0	2	MASCOT	T	PLEX8	
1.07E-02	0|0	Cs2g23520.1/Cs2g235	8.75	0	0	2	MASCOT	T	PLEX8	
1.97E-02	0|0	Cs2g23520.1/Cs2g235	5.55	0	0	2	MASCOT	T	PLEX8	
1.13E-02	0|0	Cs2g23520.1/Cs2g235	5.55	0	0	2	MASCOT	T	PLEX8	
2.75E-02	0|0	Cs2g23520.1/Cs2g235	5.55	0	0	2	MASCOT	T	PLEX8	
3.81E-02	0|0	Cs2g23520.1/Cs2g235	6.47	0	0	2	MASCOT	T	PLEX8	
1.53E-01	0|0	Cs2g23520.1/Cs2g235	5.66	0	0	2	MASCOT	T	PLEX8	
1.34E-02	0|0	Cs2g23520.1/Cs2g235	5.66	0	0	2	MASCOT	T	PLEX8	
1.96E-03	0|0	Cs2g23520.1/Cs2g235	5.88	0	0	2	MASCOT	T	PLEX8	
1.79E-05	0|0	Cs2g23520.1/Cs2g235	5.88	0	0	2	MASCOT	T	PLEX8	
1.25E-03	0|0	Cs2g23520.1/Cs2g235	5.88	0	0	2	MASCOT	T	PLEX8	
1.08E-02	0|0	Cs2g23520.1/Cs2g235	5.88	0	0	2	MASCOT	T	PLEX8	
6.27E-05	0|0	Cs2g23520.1/Cs2g235	5.88	0	0	2	MASCOT	T	PLEX8	
8.78E-02	0|0	Cs2g23520.2/Cs2g235	9.75	0	0	2	MASCOT	T	PLEX8	
2.31E-01	0|0	Cs2g23520.1/Cs2g235	8.6	0	0	2	MASCOT	T	PLEX8	
8.30E-02	0|0	Cs2g23520.1/Cs2g235	5.75	0	15.9	0	2	MASCOT	T	PLEX8
2.79E-02	0|0	Cs2g23520.1/Cs2g235	5.75	0	0	2	MASCOT	T	PLEX8	
2.13E-02	0|0	Cs2g23520.1/Cs2g235	5.75	0	0	2	MASCOT	T	PLEX8	
2.60E-01	0|0	Cs2g23520.1/Cs2g235	5.75	0	0	2	MASCOT	T	PLEX8	
6.57E-04	0|0	Cs2g23520.1/Cs2g235	5.84	0	0	2	MASCOT	T	PLEX8	
1.62E-01	0|0	Cs2g23520.1/Cs2g235	5.84	0	0	2	MASCOT	T	PLEX8	
7.64E-04	0|0	Cs2g23520.1/Cs2g235	5.84	0	0	2	MASCOT	T	PLEX8	
8.94E-03	0|0	Cs2g23520.1/Cs2g235	5.84	0	0	2	MASCOT	T	PLEX8	
3.73E-03	0|0	Cs2g23520.1/Cs2g235	8.59	0	0	2	MASCOT	T	PLEX8	
1.57E-02	0|0	Cs7g22750.1/Cs7g227	5.88	0	0	2	MASCOT	T	PLEX8	
6.07E-03	0|0	Cs7g22750.1/Cs7g227	5.88	0	0	2	MASCOT	T	PLEX8	
6.37E-04	0|0	Cs7g22750.1/Cs7g227	5.88	0	0	2	MASCOT	T	PLEX8	
1.49E-03	0|0	Cs7g22750.1/Cs7g227	5.88	0	0	2	MASCOT	T	PLEX8	
1.52E-02	0|0	Cs7g22750.1/Cs7g227	4.37	0	0	2	MASCOT	T	PLEX8	
6.48E-03	0|0	Cs7g22750.1/Cs7g227	4.37	0	0	2	MASCOT	T	PLEX8	
3.58E-03	0|0	Cs7g22750.1/Cs7g227	4.37	0	0	2	MASCOT	T	PLEX8	
5.99E-02	0|0	Cs7g22750.1/Cs7g227	4.53	0	0	2	MASCOT	T	PLEX8	
2.43E-02	0|0	Cs7g22750.1/Cs7g227	4.53	0	0	2	MASCOT	T	PLEX8	
4.10E-02	0|0	Cs7g22750.1/Cs7g227	4.53	0	0	2	MASCOT	T	PLEX8	
2.19E-02	0|0	Cs7g22750.1/Cs7g227	4.53	0	0	2	MASCOT	T	PLEX8	
4.06E-01	0|0	Cs7g22750.1/Cs7g227	4.53	0	0	2	MASCOT	T	PLEX8	
1.29E-03	0|0	Cs7g22750.1/Cs7g227	4.14	0	0	2	MASCOT	T	PLEX8	
6.37E-02	0|0	Cs7g22750.1/Cs7g227	4.14	0	0	2	MASCOT	T		
1.09E-02	0|0	Cs7g22750.1/Cs7g227	4.14	0	0	2	MASCOT	T		
3.15E-02	0|0	Cs7g22750.10/Cs7g22	8.25	0	0	2	MASCOT	T		
5.40E-03	0|0	Cs7g22750.10/Cs7g22	8.25	0	0	2	MASCOT	T		
6.36E-02	0|0	Cs7g22750.1/Cs7g227	4.53	0	0	2	MASCOT	T	PLEX8	
8.54E-02	0|0	Cs7g22750.1/Cs7g227	6.46	0	0	2	MASCOT	T	PLEX8	
6.04E-03	0|0	Cs7g22750.1/Cs7g227	6.46	0	0	2	MASCOT	T	PLEX8	
2.38E-01	0|0	Cs7g22750.1/Cs7g227	5.5	0	0	2	MASCOT	T	PLEX8	

3.55E-01	0|0	Cs7g22750.1/Cs7g227	9.73	0	15.9	0	2	MASCOT	T	PLEX8
6.42E-03	0|0	Cs7g22750.1/Cs7g227	9.73	0		0	2	MASCOT	T	PLEX8
3.71E-02	0|0	Cs7g22750.1/Cs7g227	4.65	0	15.9	0	2	MASCOT	T	PLEX8
6.36E-02	0|0	Cs7g22750.1/Cs7g227	4.65	0		0	2	MASCOT	T	PLEX8
4.02E-05	0|0	Cs7g22750.1/Cs7g227	4.65	0		0	2	MASCOT	T	PLEX8
9.52E-05	0|0	Cs7g22750.1/Cs7g227	4.65	0		0	2	MASCOT	T	PLEX8
4.15E-04	0|0	Cs7g22750.1/Cs7g227	5.55	0		0	2	MASCOT	T	PLEX8
1.04E-02	0|0	Cs7g22750.1/Cs7g227	6.41	0		0	2	MASCOT	T	
1.93E-04	0|0	Cs2g21000.1	3.92	0	15.9	0	2	MASCOT	T	PLEX8
5.83E-02	0|0	Cs2g21000.1	5.99	0		0	2	MASCOT	T	PLEX8
1.76E-03	0|0	Cs2g21000.1	5.99	0		0	2	MASCOT	T	PLEX8
1.66E-05	0|0	Cs2g21000.1	5.99	0		0	2	MASCOT	T	PLEX8
7.74E-04	0|0	Cs2g21000.1	5.99	0		0	2	MASCOT	T	PLEX8
4.69E-03	0|0	Cs2g21000.1	8.22	0		0	2	MASCOT	T	PLEX8
4.47E-02	0|0	Cs2g21000.1	5.84	0		0	2	MASCOT	T	PLEX8
2.30E-01	0|0	Cs2g21000.1	5.84	0		0	2	MASCOT	T	PLEX8
3.81E-02	0|0	Cs2g21000.1	6.75	0		0	2	MASCOT	T	PLEX8
7.02E-02	0|0	Cs2g21000.1	6.75	0		0	2	MASCOT	T	PLEX8
4.90E-02	0|0	Cs2g21000.1	6.75	0		0	2	MASCOT	T	
3.25E-06	0|0	Cs2g21000.1	5.84	0		0	2	MASCOT	T	PLEX8
4.05E-03	0|0	Cs2g21000.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
9.45E-02	0|0	Cs2g21000.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
5.03E-04	0|0	Cs2g21000.1	5.84	0		0	2	MASCOT	T	PLEX8
8.89E-04	0|0	Cs2g21000.1	5.84	0		0	2	MASCOT	T	PLEX8
2.35E-02	0|0	Cs2g21000.1	4.03	0		0	2	MASCOT	T	PLEX8
1.58E-01	0|0	Cs2g21000.1	4.37	0		0	2	MASCOT	T	PLEX8
5.28E-02	0|0	Cs2g21000.1	4.37	0		0	2	MASCOT	T	PLEX8
5.51E-03	0|0	Cs2g21000.1	4.37	0		0	2	MASCOT	T	PLEX8
6.15E-02	0|0	Cs2g21000.1	4.37	0		0	2	MASCOT	T	PLEX8
2.30E-02	0|0	Cs2g21000.1	9.75	0		0	2	MASCOT	T	
1.73E-04	0|0	Cs2g21000.1	4.37	0		0	2	MASCOT	T	PLEX8
1.14E-03	0|0	Cs2g21000.1	4.37	0		0	2	MASCOT	T	PLEX8
9.44E-03	0|0	Cs2g21000.1	4.37	0		0	2	MASCOT	T	PLEX8
2.42E-03	0|0	Cs2g21000.1	4.37	0		0	2	MASCOT	T	PLEX8
8.67E-06	0|0	Cs2g21000.1	4.53	0		0	2	MASCOT	T	PLEX8
1.25E-02	0|0	orange1.1t03226.1/ora	5.4	0		0	2	MASCOT	T	PLEX8
3.36E-02	0|0	orange1.1t03226.1/ora	5.4	0		0	2	MASCOT	T	PLEX8
5.69E-02	0|0	Cs2g27720.1/Cs2g277	9.7	1		0	2	MASCOT	T	PLEX8
2.79E-02	0|0	Cs2g27720.1/Cs2g277	9.7	1		0	2	MASCOT	T	PLEX8
5.62E-03	0|0	Cs2g27720.1/Cs2g277	5.72	0		0	2	MASCOT	T	PLEX8
2.19E-01	0|0	orange1.1t03226.1/ora	5.37	0		0	2	MASCOT	T	PLEX8
3.40E-02	0|0	orange1.1t03226.1/ora	5.37	0		0	2	MASCOT	T	PLEX8
3.48E-03	0|0	orange1.1t03226.1/ora	5.37	0		0	2	MASCOT	T	PLEX8
3.49E-02	0|0	orange1.1t03226.1/ora	5.37	0		0	2	MASCOT	T	PLEX8
9.32E-03	0|0	orange1.1t03226.1/ora	5.37	0		0	2	MASCOT	T	PLEX8
1.17E-02	0|0	orange1.1t03226.1/ora	5.37	0		0	2	MASCOT	T	PLEX8
3.86E-02	0|0	orange1.1t03226.1/ora	5.37	0		0	2	MASCOT	T	PLEX8
1.44E-02	0|0	orange1.1t03226.1/ora	5.37	0		0	2	MASCOT	T	PLEX8
2.75E-04	0|0	orange1.1t03226.1/ora	5.37	0		0	2	MASCOT	T	PLEX8
9.99E-02	0|0	orange1.1t03226.1/ora	5.37	0		0	2	MASCOT	T	PLEX8
3.08E-04	0|0	orange1.1t03226.1/ora	5.37	0		0	2	MASCOT	T	PLEX8

1.73E-01	0|0	Cs2g27720.1/Cs2g277	8.59	0	0	2	MASCOT	T	PLEX8	
2.47E-01	0|0	Cs2g27720.1/Cs2g277	8.59	0	0	2	MASCOT	T		
4.85E-01	0|0	Cs2g27720.1/Cs2g277	8.59	0	0	2	MASCOT	T	PLEX8	
2.56E-03	0|0	orange1.1t03226.1/ora	5.88	0	0	2	MASCOT	T	PLEX8	
3.21E-01	0|0	orange1.1t03226.1/ora	6.09	0	0	2	MASCOT	T	PLEX8	
8.50E-03	0|0	Cs2g27720.1/Cs2g277	6.74	0	0	2	MASCOT	T		
1.08E-02	0|0	Cs2g27720.1/Cs2g277	4.21	0	15.9	0	2	MASCOT	T	
9.03E-03	0|0	Cs2g27720.1/Cs2g277	4.21	0	0	2	MASCOT	T	PLEX8	
2.70E-01	0|0	Cs2g27720.1/Cs2g277	4.21	0	0	2	MASCOT	T		
2.10E-01	0|0	orange1.1t03226.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
7.24E-02	0|0	Cs2g27720.1/Cs2g277	9.75	0	0	2	MASCOT	T	PLEX8	
1.15E-02	0|0	Cs5g09330.1	4.53	0	0	2	MASCOT	T	PLEX8	
3.07E-05	0|0	Cs5g09330.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.97E-07	0|0	Cs5g09330.1	4.1	0	0	2	MASCOT	T	PLEX8	
3.15E-04	0|0	Cs5g09330.1	4.1	0	0	2	MASCOT	T		
2.92E-03	0|0	Cs5g09330.1	4.1	0	0	2	MASCOT	T	PLEX8	
1.64E-01	0|0	Cs5g09330.1	4.03	0	0	2	MASCOT	T	PLEX8	
6.04E-03	0|0	Cs5g09330.1	6.74	0	0	2	MASCOT	T	PLEX8	
1.83E-01	0|0	Cs5g09330.1	6.74	0	0	2	MASCOT	T	PLEX8	
8.03E-03	0|0	Cs5g09330.1	6.74	0	0	2	MASCOT	T	PLEX8	
2.17E-01	0|0	Cs5g09330.1	5.84	0	0	2	MASCOT	T	PLEX8	
1.92E-01	0|0	Cs5g09330.1	5.32	0	0	2	MASCOT	T	PLEX8	
1.36E-02	0|0	Cs5g09330.1	5.32	0	0	2	MASCOT	T	PLEX8	
8.26E-02	0|0	Cs5g09330.1	5.32	0	0	2	MASCOT	T	PLEX8	
4.21E-03	0|0	Cs5g09330.1	5.81	0	0	2	MASCOT	T		
1.17E-01	0|0	Cs5g09330.1	5.97	0	0	2	MASCOT	T	PLEX8	
7.76E-03	0|0	Cs5g09330.1	4.03	0	0	2	MASCOT	T	PLEX8	
2.02E-02	0|0	Cs5g09330.1	8.63	0	0	2	MASCOT	T	PLEX8	
5.85E-02	0|0	Cs5g09330.1	8.63	0	0	2	MASCOT	T	PLEX8	
4.77E-02	0|0	Cs5g09330.1	8.63	0	0	2	MASCOT	T	PLEX8	
2.15E-03	0|0	Cs5g09330.1	8.63	0	0	2	MASCOT	T	PLEX8	
1.95E-02	0|0	Cs5g09330.1	8.63	0	0	2	MASCOT	T	PLEX8	
1.37E-01	0|0	Cs5g09330.1	4.21	0	15.9	0	2	MASCOT	T	PLEX8
9.98E-02	0|0	Cs5g09330.1	4.21	0	0	2	MASCOT	T	PLEX8	
9.51E-02	0|0	Cs5g09330.1	4.21	0	0	2	MASCOT	T	PLEX8	
2.28E-01	0|0	Cs5g09330.1	6.74	0	0	2	MASCOT	T	PLEX8	
1.21E-02	0|0	Cs5g09330.1	6.74	0	0	2	MASCOT	T	PLEX8	
1.72E-01	0|0	Cs5g20540.1	4.37	0	0	2	MASCOT	T		
3.47E-01	0|0	Cs5g20540.1 ! Cs8g10	5.72	0	15.9	0	2	MASCOT	T	PLEX8
3.45E-02	0|0	Cs5g20540.1 ! Cs8g10	5.72	0	0	2	MASCOT	T	PLEX8	
2.75E-02	0|0	Cs5g20540.1 ! Cs8g10	5.72	0	0	2	MASCOT	T	PLEX8	
2.71E-02	0|0	Cs5g20540.1 ! Cs8g10	5.72	0	0	2	MASCOT	T	PLEX8	
3.56E-02	0|0	Cs5g20540.1	5.29	0	0	2	MASCOT	T	PLEX8	
2.23E-02	0|0	Cs5g20540.1	5.29	0	0	2	MASCOT	T	PLEX8	
6.76E-02	0|0	Cs5g20540.1	4	0	0	2	MASCOT	T	PLEX8	
2.53E-02	0|0	Cs5g20540.1/Cs8g102	6.71	0	15.9	0	2	MASCOT	T	PLEX8
4.41E-02	0|0	Cs5g20540.1/Cs8g102	6.71	0	15.9	0	2	MASCOT	T	PLEX8
8.40E-02	0|0	Cs5g20540.1/Cs8g102	6.71	0	0	2	MASCOT	T		
7.32E-02	0|0	Cs5g20540.1	5.8	0	0	2	MASCOT	T	PLEX8	
2.48E-03	0|0	Cs5g20540.1	4.53	0	0	2	MASCOT	T	PLEX8	
5.52E-04	0|0	Cs5g20540.1	4.53	0	0	2	MASCOT	T	PLEX8	

2.19E-01	0|0	Cs5g20540.1	5.13	0	0	2	MASCOT	T	
1.14E-01	0|0	Cs5g20540.1	4.21	0	15.9	0	2	MASCOT	T PLEX8
1.78E-02	0|0	Cs5g20540.1	4.21	0	0	2	MASCOT	T	PLEX8
4.26E-02	0|0	Cs5g20540.1	4.21	0	0	2	MASCOT	T	PLEX8
4.34E-02	0|0	Cs5g20540.1	6.75	0	0	2	MASCOT	T	PLEX8
4.00E-02	0|0	Cs5g20540.1	6.71	0	0	2	MASCOT	T	PLEX8
1.16E-02	0|0	Cs5g20540.1	6.71	0	0	2	MASCOT	T	PLEX8
2.52E-03	0|0	Cs5g20540.1	4.37	0	0	2	MASCOT	T	PLEX8
3.93E-03	0|0	Cs5g20540.1	4.37	0	0	2	MASCOT	T	PLEX8
7.24E-02	0|0	Cs5g20540.1	4.37	0	0	2	MASCOT	T	PLEX8
1.57E-02	0|0	Cs5g20540.1	4.37	0	0	2	MASCOT	T	PLEX8
2.41E-01	0|0	Cs5g20540.1	4.37	0	0	2	MASCOT	T	PLEX8
1.06E-01	0|0	orange1.1t03328.1	6.74	0	0	2	MASCOT	T	
3.48E-02	0|0	orange1.1t03328.1/ora	7.03	0	0	2	MASCOT	T	PLEX8
2.42E-01	0|0	orange1.1t03328.1/ora	7.03	0	0	2	MASCOT	T	PLEX8
5.66E-03	0|0	orange1.1t03328.1/ora	7.03	0	0	2	MASCOT	T	PLEX8
1.19E-02	0|0	orange1.1t03328.1/ora	6.47	0	0	2	MASCOT	T	PLEX8
2.32E-01	0|0	orange1.1t03328.1/ora	9.8	0	0	2	MASCOT	T	PLEX8
5.99E-01	0|0	orange1.1t03328.1/ora	9.8	0	0	2	MASCOT	T	
2.16E-01	0|0	orange1.1t03328.1/ora	9.8	0	0	2	MASCOT	T	
9.64E-03	0|0	orange1.1t03328.1/ora	5.84	0	0	2	MASCOT	T	PLEX8
4.77E-03	0|0	orange1.1t03328.1	4.03	0	0	2	MASCOT	T	PLEX8
2.86E-03	0|0	orange1.1t03328.1	4.03	0	0	2	MASCOT	T	PLEX8
4.33E-02	0|0	orange1.1t03328.1	6	0	0	2	MASCOT	T	PLEX8
4.30E-01	0|0	orange1.1t03328.1	6	0	0	2	MASCOT	T	PLEX8
1.33E-01	0|0	orange1.1t03328.1	6	0	0	2	MASCOT	T	PLEX8
5.97E-05	0|0	orange1.1t03328.1/ora	4.37	0	0	2	MASCOT	T	
4.12E-07	0|0	orange1.1t03328.1/ora	4.37	0	0	2	MASCOT	T	
3.15E-01	0|0	orange1.1t03328.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
1.29E-01	0|0	orange1.1t03328.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
1.75E-01	0|0	orange1.1t03328.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
1.93E-02	0|0	orange1.1t03328.1/ora	5.21	0	0	2	MASCOT	T	PLEX8
1.95E-03	0|0	orange1.1t03328.1/ora	5.21	0	0	2	MASCOT	T	PLEX8
4.74E-02	0|0	orange1.1t03328.1/ora	5.21	0	0	2	MASCOT	T	PLEX8
2.63E-04	0|0	orange1.1t03328.1/ora	5.21	0	0	2	MASCOT	T	PLEX8
1.41E-01	0|0	orange1.1t03328.1/ora	5.55	0	0	2	MASCOT	T	PLEX8
1.75E-03	0|0	orange1.1t03328.1/ora	5.81	0	0	2	MASCOT	T	PLEX8
7.92E-04	0|0	orange1.1t03328.1/ora	5.81	0	0	2	MASCOT	T	PLEX8
5.81E-02	0|0	Cs5g30520.1/Cs9g078	4.37	0	0	2	MASCOT	T	PLEX8
9.96E-02	0|0	Cs9g07880.1 ! Cs3g26	5.84	0	0	2	MASCOT	T	PLEX8
1.36E-01	0|0	Cs9g07880.1 ! Cs3g26	5.84	0	0	2	MASCOT	T	PLEX8
2.20E-02	0|0	Cs9g07880.1	6.47	0	0	2	MASCOT	T	PLEX8
4.95E-04	0|0	Cs9g07880.1	6.47	0	0	2	MASCOT	T	PLEX8
5.39E-02	0|0	Cs9g07880.1	6.47	0	0	2	MASCOT	T	PLEX8
1.52E-01	0|0	Cs9g07880.1	6.47	0	0	2	MASCOT	T	PLEX8
1.59E-02	0|0	Cs9g07880.1	6.47	0	0	2	MASCOT	T	PLEX8
2.02E-04	0|0	Cs9g07880.1	4.03	0	15.9	0	2	MASCOT	T
6.28E-05	0|0	Cs9g07880.1	4.03	0	0	2	MASCOT	T	
1.49E-01	0|0	Cs8g03650.1/Cs9g078	4.14	0	0	2	MASCOT	T	
3.59E-02	0|0	Cs8g03650.1/Cs9g078	4.14	0	0	2	MASCOT	T	
5.00E-05	0|0	Cs8g03650.1/Cs9g078	4.14	0	0	2	MASCOT	T	

3.86E-03	0|0	Cs8g03650.1/Cs9g078	4.14	0	0	2	MASCOT	T		
1.78E-03	0|0	Cs8g03650.1/Cs9g078	4.14	0	0	2	MASCOT	T		
2.50E-01	0|0	Cs9g07880.1	6.12	0	0	2	MASCOT	T	PLEX8	
6.31E-02	0|0	Cs9g07880.1	8.07	0	0	2	MASCOT	T	PLEX8	
4.37E-02	0|0	Cs9g07880.1	5.83	0	0	2	MASCOT	T		
8.62E-02	0|0	Cs9g07880.1	5.83	0	0	2	MASCOT	T		
4.44E-02	0|0	Cs9g07880.1	4.21	0	0	2	MASCOT	T	PLEX8	
4.96E-03	0|0	Cs9g07880.1	4.37	0	0	2	MASCOT	T		
2.11E-03	0|0	Cs9g07880.1	4.37	0	0	2	MASCOT	T		
1.69E-02	0|0	Cs9g07880.1	8.75	0	0	2	MASCOT	T	PLEX8	
2.08E-02	0|0	Cs9g07880.1	8.75	0	0	2	MASCOT	T	PLEX8	
1.14E-01	0|0	Cs9g07880.1	4.03	0	0	2	MASCOT	T		
7.70E-03	0|0	Cs9g18710.1/Cs9g187	4.14	0	0	2	MASCOT	T	PLEX8	
1.93E-04	0|0	Cs9g18710.1/Cs9g187	4.21	0	0	2	MASCOT	T	PLEX8	
1.57E-02	0|0	Cs9g18710.1/Cs9g187	4.21	0	0	2	MASCOT	T	PLEX8	
4.49E-04	0|0	Cs9g18710.1	4.25	0	0	2	MASCOT	T		
9.66E-02	0|0	Cs9g18710.1/Cs9g187	6.1	0	0	2	MASCOT	T		
4.91E-03	0|0	Cs9g18710.1/Cs9g187	8.25	0	0	2	MASCOT	T		
1.32E-01	0|0	Cs9g18710.1/Cs9g187	8.25	0	0	2	MASCOT	T		
1.44E-02	0|0	Cs9g18710.1/Cs9g187	5.72	0	0	2	MASCOT	T	PLEX8	
3.00E-02	0|0	Cs9g18710.1/Cs9g187	5.72	0	0	2	MASCOT	T	PLEX8	
1.37E-01	0|0	Cs9g18710.1/Cs9g187	5.72	0	0	2	MASCOT	T	PLEX8	
1.83E-01	0|0	Cs9g18710.1/Cs9g187	5.72	0	0	2	MASCOT	T	PLEX8	
3.57E-03	0|0	Cs9g18710.1/Cs9g187	6.46	0	0	2	MASCOT	T	PLEX8	
3.47E-01	0|0	Cs9g18710.1/Cs9g187	6.46	0	0	2	MASCOT	T	PLEX8	
2.27E-01	0|0	Cs9g18710.1/Cs9g187	6.46	0	0	2	MASCOT	T	PLEX8	
2.38E-03	0|0	Cs9g18710.1/Cs9g187	5.81	0	0	2	MASCOT	T	PLEX8	
2.91E-01	0|0	Cs9g18710.1/Cs9g187	5.81	0	0	2	MASCOT	T	PLEX8	
1.12E-01	0|0	Cs9g18710.1/Cs9g187	9.73	0	15.9	0	2	MASCOT	T	PLEX8
6.93E-02	0|0	Cs9g18710.1/Cs9g187	9.73	0	0	2	MASCOT	T	PLEX8	
5.59E-02	0|0	Cs9g18710.1/Cs9g187	9.73	0	0	2	MASCOT	T	PLEX8	
3.71E-02	0|0	Cs7g22750.1/Cs7g227	4.65	0	15.9	0	2	MASCOT	T	PLEX8
6.36E-02	0|0	Cs7g22750.1/Cs7g227	4.65	0	0	2	MASCOT	T	PLEX8	
4.02E-05	0|0	Cs7g22750.1/Cs7g227	4.65	0	0	2	MASCOT	T	PLEX8	
9.52E-05	0|0	Cs7g22750.1/Cs7g227	4.65	0	0	2	MASCOT	T	PLEX8	
1.16E-02	0|0	Cs9g18710.1/Cs9g187	5.66	0	0	2	MASCOT	T		
1.70E-02	0|0	Cs9g18710.1/Cs9g187	4.41	1	0	2	MASCOT	T	PLEX8	
7.60E-03	0|0	Cs4g16900.1/Cs4g169	4.21	0	0	2	MASCOT	T	PLEX8	
2.24E-01	0|0	Cs4g16900.1/Cs4g169	6	0	0	2	MASCOT	T	PLEX8	
4.49E-02	0|0	Cs4g16900.1/Cs4g169	8.22	0	0	2	MASCOT	T	PLEX8	
6.34E-04	0|0	Cs4g16900.1/Cs4g169	8.22	0	0	2	MASCOT	T	PLEX8	
1.39E-02	0|0	Cs4g16900.1/Cs4g169	8.22	0	0	2	MASCOT	T	PLEX8	
6.02E-02	0|0	Cs4g16900.1/Cs4g169	8.75	0	0	2	MASCOT	T	PLEX8	
2.95E-01	0|0	Cs4g16900.1/Cs4g169	8.75	0	0	2	MASCOT	T	PLEX8	
5.07E-04	0|0	Cs4g16900.1/Cs4g169	6	0	0	2	MASCOT	T	PLEX8	
5.34E-04	0|0	Cs4g16900.1/Cs4g169	6	0	0	2	MASCOT	T	PLEX8	
1.19E-04	0|0	Cs4g16900.1/Cs4g169	3.92	0	0	2	MASCOT	T		
8.56E-03	0|0	Cs4g16900.1/Cs4g169	5.96	0	0	2	MASCOT	T	PLEX8	
2.46E-02	0|0	Cs4g16900.1/Cs4g169	5.96	0	0	2	MASCOT	T	PLEX8	
3.47E-03	0|0	Cs4g16900.1/Cs4g169	4.14	0	0	2	MASCOT	T	PLEX8	
2.35E-02	0|0	Cs4g16900.1/Cs4g169	4.14	0	0	2	MASCOT	T	PLEX8	

1.57E-02	0|0	Cs4g16900.1/Cs4g169	4.14	0	0	2	MASCOT	T	PLEX8	
4.35E-02	0|0	Cs4g16900.1/Cs4g169	5.87	0	0	2	MASCOT	T	PLEX8	
2.88E-03	0|0	Cs4g16900.1/Cs4g169	5.87	0	0	2	MASCOT	T	PLEX8	
6.17E-03	0|0	Cs4g16900.1/Cs4g169	5.87	0	0	2	MASCOT	T	PLEX8	
2.77E-03	0|0	Cs4g16900.1/Cs4g169	5.87	0	0	2	MASCOT	T	PLEX8	
9.69E-02	0|0	Cs4g16900.1/Cs4g169	5.87	0	0	2	MASCOT	T	PLEX8	
4.38E-02	0|0	Cs4g16900.1/Cs4g169	8.75	0	0	2	MASCOT	T	PLEX8	
2.71E-01	0|0	Cs4g16900.1/Cs4g169	4.53	0	0	2	MASCOT	T	PLEX8	
7.86E-02	0|0	Cs4g16900.1/Cs4g169	4.53	0	0	2	MASCOT	T	PLEX8	
5.44E-04	0|0	Cs4g16900.1/Cs4g169	4.53	0	0	2	MASCOT	T	PLEX8	
3.36E-01	0|0	Cs7g08090.1/Cs7g080	6.05	0	0	2	MASCOT	T	PLEX8	
2.31E-01	0|0	Cs7g08090.1/Cs7g080	6.05	0	0	2	MASCOT	T	PLEX8	
2.79E-01	0|0	Cs7g08090.1/Cs7g080	6.05	0	0	2	MASCOT	T	PLEX8	
1.88E-01	0|0	Cs7g08090.1/Cs7g080	6.05	0	0	2	MASCOT	T	PLEX8	
6.90E-02	0|0	Cs7g08090.1/Cs7g080	6.05	0	0	2	MASCOT	T	PLEX8	
1.70E-01	0|0	Cs7g08090.1/Cs7g080	6.05	0	0	2	MASCOT	T	PLEX8	
2.62E-01	0|0	Cs7g08090.1/Cs7g080	6.05	0	0	2	MASCOT	T	PLEX8	
4.31E-05	0|0	Cs7g08090.1/Cs7g080	4.37	0	0	2	MASCOT	T		
5.98E-02	0|0	Cs7g08090.1/Cs7g080	4.37	0	0	2	MASCOT	T		
6.95E-03	0|0	Cs7g08090.1/Cs7g080	4.14	0	0	2	MASCOT	T	PLEX8	
2.01E-02	0|0	Cs7g08090.1/Cs7g080	5.84	0	0	2	MASCOT	T	PLEX8	
4.41E-04	0|0	Cs7g08090.1/Cs7g080	8.76	0	0	2	MASCOT	T	PLEX8	
4.12E-02	0|0	Cs7g08090.1/Cs7g080	8.76	0	0	2	MASCOT	T		
2.97E-01	0|0	Cs7g08090.1/Cs7g080	6.75	0	0	2	MASCOT	T	PLEX8	
2.96E-01	0|0	Cs7g08090.1/Cs7g080	6.75	0	0	2	MASCOT	T	PLEX8	
2.75E-01	0|0	Cs7g08090.1/Cs7g080	9.75	0	0	2	MASCOT	T	PLEX8	
1.29E-03	0|0	Cs7g08090.1/Cs7g080	5.84	0	0	2	MASCOT	T	PLEX8	
5.33E-03	0|0	Cs7g08090.1/Cs7g080	5.84	0	0	2	MASCOT	T	PLEX8	
4.37E-03	0|0	Cs7g08090.1/Cs7g080	4.37	0	0	2	MASCOT	T	PLEX8	
6.58E-03	0|0	Cs7g08090.1/Cs7g080	5.28	0	0	2	MASCOT	T	PLEX8	
2.27E-01	0|0	Cs7g08090.2	5.84	0	0	2	MASCOT	T	PLEX8	
6.65E-02	0|0	Cs7g08090.2	5.84	0	0	2	MASCOT	T	PLEX8	
3.10E-03	0|0	Cs7g08090.2	5.84	0	0	2	MASCOT	T	PLEX8	
1.58E-04	0|0	Cs7g08090.1/Cs7g080	6.41	0	0	2	MASCOT	T	PLEX8	
1.07E-01	0|0	Cs8g19910.1	8.63	0	0	2	MASCOT	T	PLEX8	
1.32E-01	0|0	Cs8g19910.1	8.63	0	0	2	MASCOT	T	PLEX8	
8.19E-02	0|0	Cs8g19910.1	8.63	0	0	2	MASCOT	T	PLEX8	
1.23E-01	0|0	Cs8g19910.1	8.63	0	0	2	MASCOT	T	PLEX8	
1.73E-01	0|0	Cs8g19910.1	5.99	0	0	2	MASCOT	T	PLEX8	
2.14E-01	0|0	Cs8g19910.1	6.85	0	0	2	MASCOT	T	PLEX8	
4.69E-02	0|0	Cs8g19910.1	6.85	0	0	2	MASCOT	T	PLEX8	
1.26E-03	0|0	Cs8g19910.1	5.21	0	0	2	MASCOT	T	PLEX8	
2.91E-02	0|0	Cs8g19910.1	5.4	0	15.9	0	2	MASCOT	T	PLEX8
3.84E-04	0|0	Cs8g19910.1	5.4	0	0	2	MASCOT	T	PLEX8	
1.25E-02	0|0	Cs8g19910.1	5.4	0	0	2	MASCOT	T	PLEX8	
5.85E-03	0|0	Cs8g19910.1	4.54	0	0	2	MASCOT	T	PLEX8	
4.77E-06	0|0	Cs8g19910.1	4.53	0	0	2	MASCOT	T		
7.11E-03	0|0	Cs8g19910.1	4.53	0	0	2	MASCOT	T		
3.01E-08	0|0	Cs8g19910.1	4.53	0	0	2	MASCOT	T		
9.61E-05	0|0	Cs8g19910.1	4.25	0	0	2	MASCOT	T		
1.47E-04	0|0	Cs8g19910.1	5.33	0	0	2	MASCOT	T		

1.07E-04 0|0	Cs8g19910.1	5.33	0	0	2	MASCOT	T	
2.82E-02 0|0	Cs8g19910.1	6.92	0	0	2	MASCOT	T	PLEX8
5.80E-06 0|0	Cs8g19910.1	4.22	0	0	2	MASCOT	T	PLEX8
5.61E-07 0|0	Cs8g19910.1	4.22	0	0	2	MASCOT	T	
2.04E-03 0|0	Cs8g19910.1	6	0	0	2	MASCOT	T	PLEX8
1.92E-03 0|0	Cs8g19910.1	6	0	0	2	MASCOT	T	
6.50E-02 0|0	Cs1g12330.1	5.21	0	0	2	MASCOT	T	PLEX8
1.97E-01 0|0	Cs1g12330.1	4.53	0	0	2	MASCOT	T	PLEX8
4.46E-01 0|0	Cs1g12330.1	4.53	0	0	2	MASCOT	T	PLEX8
2.83E-01 0|0	Cs1g12330.1	4.53	0	0	2	MASCOT	T	PLEX8
4.39E-04 0|0	Cs1g12330.1	9.76	0	0	2	MASCOT	T	PLEX8
3.13E-04 0|0	Cs1g12330.1	9.76	0	0	2	MASCOT	T	PLEX8
5.47E-03 0|0	Cs1g12330.1	5.84	0	0	2	MASCOT	T	
2.86E-01 0|0	Cs1g12330.1	5.84	0	0	2	MASCOT	T	
6.97E-02 0|0	Cs1g12330.1	6.1	0	0	2	MASCOT	T	PLEX8
2.19E-01 0|0	Cs1g12330.1	6.1	0	0	2	MASCOT	T	PLEX8
3.64E-02 0|0	Cs1g12330.1	6	0	0	2	MASCOT	T	PLEX8
5.55E-02 0|0	Cs1g12330.1	6	0	0	2	MASCOT	T	PLEX8
9.28E-03 0|0	Cs1g12330.1	6	0	0	2	MASCOT	T	PLEX8
1.46E-03 0|0	Cs1g12330.1	6	0	0	2	MASCOT	T	PLEX8
4.88E-04 0|0	Cs1g12330.1	4.14	0	0	2	MASCOT	T	PLEX8
1.42E-01 0|0	Cs1g12330.1	8.41	0	0	2	MASCOT	T	PLEX8
6.46E-02 0|0	Cs1g12330.1	9.72	0	0	2	MASCOT	T	PLEX8
2.58E-01 0|0	Cs1g12330.1	9.72	0	0	2	MASCOT	T	PLEX8
1.24E-01 0|0	Cs1g12330.1	4.53	0	0	2	MASCOT	T	PLEX8
1.42E-01 0|0	Cs1g12330.1	8.59	0	0	2	MASCOT	T	PLEX8
1.23E-01 0|0	Cs8g09580.1/Cs8g095	6.01	0	15.9	0	2	MASCOT	T
3.08E-02 0|0	Cs2g15520.1/Cs8g095	3.96	1	0	2	MASCOT	T	
1.04E-01 0|0	Cs8g09580.1	4.37	0	0	2	MASCOT	T	PLEX8
9.01E-04 0|0	Cs8g09580.1	8.76	0	0	2	MASCOT	T	PLEX8
5.86E-04 0|0	Cs8g09580.1	8.76	0	0	2	MASCOT	T	PLEX8
1.54E-02 0|0	Cs8g09580.1	8.76	0	0	2	MASCOT	T	PLEX8
5.59E-03 0|0	Cs8g09580.1	5.84	0	0	2	MASCOT	T	
1.80E-05 0|0	Cs8g09580.1	5.84	0	0	2	MASCOT	T	PLEX8
1.43E-01 0|0	Cs8g09580.1/Cs8g095	4.03	0	0	2	MASCOT	T	
2.98E-01 0|0	Cs8g09580.1/Cs8g095	4.14	0	0	2	MASCOT	T	PLEX8
2.69E-02 0|0	Cs8g09580.1/Cs8g095	4.14	0	0	2	MASCOT	T	PLEX8
1.80E-02 0|0	Cs8g09580.1/Cs8g095	6.79	0	0	2	MASCOT	T	PLEX8
4.97E-03 0|0	Cs8g09580.1/Cs8g095	6.79	0	0	2	MASCOT	T	PLEX8
1.88E-02 0|0	Cs2g15520.1 ! Cs8g09	4.03	0	0	2	MASCOT	T	PLEX8
4.23E-04 0|0	Cs8g09580.1	4.53	0	0	2	MASCOT	T	
5.66E-03 0|0	Cs8g09580.1/Cs8g095	8.2	0	0	2	MASCOT	T	PLEX8
1.05E-01 0|0	Cs8g09580.1/Cs8g095	8.2	0	0	2	MASCOT	T	PLEX8
1.59E-01 0|0	Cs8g09580.1/Cs8g095	8.2	0	0	2	MASCOT	T	PLEX8
4.03E-03 0|0	Cs8g09580.1/Cs8g095	8.2	0	0	2	MASCOT	T	PLEX8
1.01E-01 0|0	Cs8g09580.1	4.53	0	0	2	MASCOT	T	PLEX8
2.29E-02 0|0	Cs2g16990.1/Cs2g169	5.83	0	0	2	MASCOT	T	PLEX8
3.19E-01 0|0	Cs2g16990.1/Cs2g169	5.83	0	0	2	MASCOT	T	PLEX8
3.55E-03 0|0	Cs2g16990.1/Cs2g169	6.1	0	0	2	MASCOT	T	PLEX8
6.07E-02 0|0	Cs2g16990.1/Cs2g169	5.84	0	0	2	MASCOT	T	
9.37E-05 0|0	Cs2g16990.1/Cs2g169	4.14	0	0	2	MASCOT	T	PLEX8

4.70E-04	0|0	Cs2g16990.1/Cs2g169	4.14	0	0	2	MASCOT	T	PLEX8	
4.04E-03	0|0	Cs2g16990.1/Cs2g169	6.47	0	0	2	MASCOT	T	PLEX8	
2.02E-02	0|0	Cs2g16990.1/Cs2g169	4.65	0	15.9	0	2	MASCOT	T	PLEX8
1.22E-06	0|0	Cs2g16990.1/Cs2g169	4.65	0	0	2	MASCOT	T	PLEX8	
2.91E-04	0|0	Cs2g16990.1/Cs2g169	4.65	0	0	2	MASCOT	T	PLEX8	
2.60E-01	0|0	Cs2g16990.1/Cs2g169	6.05	0	0	2	MASCOT	T	PLEX8	
1.02E-02	0|0	Cs2g16990.1/Cs2g169	6.05	0	0	2	MASCOT	T	PLEX8	
3.30E-02	0|0	Cs2g16990.1	4.53	0	0	2	MASCOT	T	PLEX8	
4.50E-02	0|0	Cs2g16990.1/Cs2g169	4.14	0	0	2	MASCOT	T		
1.17E-02	0|0	Cs2g16990.1/Cs2g169	6.75	0	0	2	MASCOT	T	PLEX8	
5.00E-04	0|0	Cs2g16990.1	4.53	0	0	2	MASCOT	T		
1.28E-05	0|0	Cs2g16990.1	4.53	0	0	2	MASCOT	T		
1.83E-04	0|0	Cs2g16990.1	4.53	0	0	2	MASCOT	T		
2.06E-01	0|0	Cs2g16990.1	8.46	0	0	2	MASCOT	T	PLEX8	
7.33E-03	0|0	Cs4g02950.1	4.14	0	0	2	MASCOT	T	PLEX8	
1.95E-01	0|0	Cs4g02950.1	4.53	0	0	2	MASCOT	T	PLEX8	
4.40E-02	0|0	Cs4g02950.1	4.03	0	0	2	MASCOT	T	PLEX8	
7.84E-02	0|0	Cs4g02950.1	4.14	0	0	2	MASCOT	T	PLEX8	
2.33E-03	0|0	Cs4g02950.1	5.21	0	0	2	MASCOT	T	PLEX8	
1.93E-02	0|0	Cs4g02950.1	5.21	0	0	2	MASCOT	T	PLEX8	
5.35E-02	0|0	Cs4g02950.1	5.21	0	0	2	MASCOT	T	PLEX8	
6.40E-02	0|0	Cs4g02950.1	4.53	0	0	2	MASCOT	T	PLEX8	
2.81E-01	0|0	Cs4g02950.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.54E-01	0|0	Cs4g02950.1	5.84	0	0	2	MASCOT	T		
3.19E-02	0|0	Cs4g02950.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.10E-01	0|0	Cs4g02950.1	4.37	0	0	2	MASCOT	T	PLEX8	
8.40E-02	0|0	Cs4g02950.1	4.03	0	0	2	MASCOT	T	PLEX8	
1.13E-01	0|0	Cs4g02950.1	4.03	0	0	2	MASCOT	T	PLEX8	
4.47E-05	0|0	Cs4g02950.1	4.37	0	0	2	MASCOT	T		
9.23E-05	0|0	Cs4g02950.1	4.37	0	0	2	MASCOT	T		
7.65E-04	0|0	Cs4g02950.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.67E-02	0|0	Cs4g02950.1	4.37	0	0	2	MASCOT	T	PLEX8	
2.91E-03	0|0	Cs4g02950.1	4.37	0	0	2	MASCOT	T	PLEX8	
7.60E-03	0|0	Cs9g17250.1/Cs9g172	7.06	0	0	2	MASCOT	T	PLEX8	
2.52E-03	0|0	Cs9g17250.1/Cs9g172	5.32	0	0	2	MASCOT	T		
6.23E-02	0|0	Cs9g17250.1/Cs9g172	4.4	0	0	2	MASCOT	T		
4.29E-02	0|0	Cs9g17250.1/Cs9g172	4.4	0	0	2	MASCOT	T		
4.52E-02	0|0	Cs9g17250.1/Cs9g172	4.4	0	0	2	MASCOT	T	PLEX8	
1.02E-04	0|0	Cs9g17250.1/Cs9g172	4.25	0	0	2	MASCOT	T	PLEX8	
1.51E-03	0|0	Cs9g17250.1/Cs9g172	4.25	0	0	2	MASCOT	T	PLEX8	
4.62E-02	0|0	Cs9g17250.1/Cs9g172	6	0	0	2	MASCOT	T	PLEX8	
3.48E-03	0|0	Cs9g17250.1/Cs9g172	6	0	0	2	MASCOT	T	PLEX8	
2.22E-03	0|0	Cs9g17250.1/Cs9g172	8.75	0	0	2	MASCOT	T	PLEX8	
4.02E-02	0|0	Cs9g17250.1/Cs9g172	4.68	0	0	2	MASCOT	T	PLEX8	
2.56E-02	0|0	Cs9g17250.1/Cs9g172	5.72	0	0	2	MASCOT	T		
4.63E-06	0|0	Cs9g17250.1/Cs9g172	5.72	0	0	2	MASCOT	T		
1.00E-01	0|0	Cs9g17250.1/Cs9g172	6.47	0	0	2	MASCOT	T	PLEX8	
4.06E-06	0|0	Cs9g17250.1/Cs9g172	4.37	0	0	2	MASCOT	T	PLEX8	
5.75E-03	0|0	Cs9g17250.1/Cs9g172	4.25	0	0	2	MASCOT	T	PLEX8	
1.07E-03	0|0	Cs9g17250.1/Cs9g172	6.05	0	0	2	MASCOT	T		
1.01E-02	0|0	Cs9g17250.1/Cs9g172	6.05	0	0	2	MASCOT	T		

7.01E-04 0|0	Cs9g17250.1/Cs9g172	6.05	0	0	2	MASCOT	T
3.26E-02 0|0	Cs1g03170.1	5.88	0	0	2	MASCOT	T PLEX8
1.71E-03 0|0	Cs1g03170.1	5.88	0	0	2	MASCOT	T PLEX8
8.66E-04 0|0	Cs1g03170.1	5.88	0	0	2	MASCOT	T PLEX8
3.61E-02 0|0	Cs1g03170.1	5.84	0	15.9	0	2	MASCOT T PLEX8
3.12E-03 0|0	Cs1g03170.1	5.84	0	0	2	MASCOT	T PLEX8
5.87E-02 0|0	Cs1g03170.1	6.75	0	0	2	MASCOT	T PLEX8
1.75E-03 0|0	Cs1g03170.1	6.75	0	0	2	MASCOT	T PLEX8
8.51E-03 0|0	Cs1g03170.1	6.75	0	0	2	MASCOT	T PLEX8
1.11E-02 0|0	Cs1g03170.1	4	0	0	2	MASCOT	T PLEX8
1.05E-02 0|0	Cs1g03170.1	4	0	0	2	MASCOT	T
1.42E-05 0|0	Cs1g03170.1	4	0	0	2	MASCOT	T
7.25E-03 0|0	Cs1g03170.1	5.97	0	15.9	0	2	MASCOT T PLEX8
8.11E-02 0|0	Cs1g03170.1	6	0	0	2	MASCOT	T PLEX8
2.06E-02 0|0	Cs1g03170.1	6	0	0	2	MASCOT	T PLEX8
1.14E-01 0|0	Cs1g03170.1	8.22	0	0	2	MASCOT	T PLEX8
1.14E-01 0|0	Cs1g03170.1	6.07	1	0	2	MASCOT	T
4.65E-03 0|0	Cs1g03170.1	5.84	0	0	2	MASCOT	T PLEX8
2.31E-04 0|0	Cs1g03170.1	5.84	0	0	2	MASCOT	T PLEX8
2.28E-01 0|0	Cs2g19200.1/Cs2g192	4.25	0	0	2	MASCOT	T PLEX8
6.12E-02 0|0	Cs2g19200.1/Cs2g192	4.53	0	0	2	MASCOT	T PLEX8
7.52E-04 0|0	Cs2g19200.1/Cs2g192	6	0	0	2	MASCOT	T
6.32E-03 0|0	Cs2g19200.1/Cs2g192	8.75	0	0	2	MASCOT	T PLEX8
4.01E-05 0|0	Cs2g19200.1/Cs2g192	8.75	0	0	2	MASCOT	T PLEX8
6.72E-05 0|0	Cs2g19200.1/Cs2g192	8.75	0	0	2	MASCOT	T PLEX8
8.95E-04 0|0	Cs2g19200.1/Cs2g192	8.75	0	0	2	MASCOT	T PLEX8
1.76E-03 0|0	Cs2g19200.1/Cs2g192	5.96	1	0	2	MASCOT	T PLEX8
2.06E-01 0|0	Cs2g19200.1/Cs2g192	6.42	0	0	2	MASCOT	T
1.10E-02 0|0	Cs2g19200.1/Cs2g192	6.42	0	0	2	MASCOT	T PLEX8
2.66E-03 0|0	Cs2g19200.1/Cs2g192	4.37	0	0	2	MASCOT	T PLEX8
4.53E-02 0|0	Cs2g19200.1/Cs2g192	4.37	0	0	2	MASCOT	T
2.02E-04 0|0	Cs2g19200.1/Cs2g192	5.97	0	0	2	MASCOT	T PLEX8
1.24E-01 0|0	Cs2g19200.1/Cs2g192	4.14	0	0	2	MASCOT	T PLEX8
2.16E-01 0|0	Cs2g19200.1/Cs2g192	4.14	0	0	2	MASCOT	T PLEX8
2.37E-02 0|0	Cs2g19200.1/Cs2g192	6.1	0	0	2	MASCOT	T PLEX8
2.65E-01 0|0	Cs2g19200.1/Cs2g192	5.84	0	0	2	MASCOT	T PLEX8
5.27E-01 0|0	Cs2g19200.1/Cs2g192	5.97	0	0	2	MASCOT	T PLEX8
9.30E-02 0|0	Cs6g15300.1/Cs6g153	4.03	0	0	2	MASCOT	T
2.36E-01 0|0	Cs6g15300.1/Cs6g153	5.84	0	0	2	MASCOT	T PLEX8
3.42E-03 0|0	Cs1g13640.1/Cs1g136	4.37	0	0	2	MASCOT	T PLEX8
5.55E-04 0|0	Cs1g13640.1/Cs1g136	4.37	0	0	2	MASCOT	T PLEX8
2.31E-02 0|0	Cs6g15300.1/Cs6g153	4.54	0	0	2	MASCOT	T PLEX8
1.14E-02 0|0	Cs6g15290.1/Cs6g152	5.4	0	0	2	MASCOT	T PLEX8
5.12E-01 0|0	Cs6g15300.1/Cs6g153	8.49	0	0	2	MASCOT	T PLEX8
9.28E-03 0|0	Cs6g15290.1/Cs6g152	4.14	0	0	2	MASCOT	T PLEX8
5.84E-02 0|0	Cs6g15290.1/Cs6g152	4.37	0	0	2	MASCOT	T PLEX8
1.57E-01 0|0	Cs1g13660.1/Cs1g136	8.41	0	15.9	0	2	MASCOT T PLEX8
8.79E-03 0|0	Cs1g13620.1/Cs1g136	5.5	0	0	2	MASCOT	T
3.47E-01 0|0	Cs1g13660.1/Cs1g136	8.41	0	0	2	MASCOT	T PLEX8
1.56E-01 0|0	Cs1g13660.1/Cs1g136	8.41	0	0	2	MASCOT	T PLEX8
5.92E-04 0|0	Cs1g13660.1/Cs1g136	8.41	0	0	2	MASCOT	T PLEX8

1.74E-02	0|0	Cs6g15300.1/Cs6g153	9.75	0	0	2	MASCOT	T	PLEX8
1.21E-02	0|0	Cs6g15280.1/Cs6g153	8.5	0	0	2	MASCOT	T	PLEX8
1.43E-02	0|0	Cs6g15280.1/Cs6g153	8.5	0	0	2	MASCOT	T	PLEX8
1.34E-01	0|0	Cs6g15280.1/Cs6g153	8.5	0	0	2	MASCOT	T	
4.14E-02	0|0	Cs8g12230.1/Cs8g122	4.21	0	0	2	MASCOT	T	PLEX8
2.96E-02	0|0	Cs8g12230.1/Cs8g122	6	0	0	2	MASCOT	T	PLEX8
1.54E-02	0|0	Cs8g12230.1/Cs8g122	4.79	1	0	2	MASCOT	T	PLEX8
2.10E-04	0|0	Cs8g12230.1/Cs8g122	4.37	0	0	2	MASCOT	T	PLEX8
2.42E-02	0|0	Cs8g12230.1/Cs8g122	4.37	0	0	2	MASCOT	T	PLEX8
4.44E-02	0|0	Cs8g12230.1/Cs8g122	4.14	0	0	2	MASCOT	T	PLEX8
5.93E-02	0|0	Cs8g12230.1/Cs8g122	8.75	0	0	2	MASCOT	T	PLEX8
1.41E-04	0|0	Cs8g12230.1/Cs8g122	4.25	0	0	2	MASCOT	T	PLEX8
1.86E-01	0|0	Cs8g12230.1/Cs8g122	5.75	0	0	2	MASCOT	T	PLEX8
7.83E-02	0|0	Cs8g12230.1/Cs8g122	4.37	0	0	2	MASCOT	T	
7.14E-02	0|0	Cs8g12230.1/Cs8g122	5.72	0	0	2	MASCOT	T	
2.23E-01	0|0	Cs8g12230.1/Cs8g122	9.72	0	0	2	MASCOT	T	
1.32E-01	0|0	Cs8g12230.1/Cs8g122	9.73	0	0	2	MASCOT	T	PLEX8
5.50E-01	0|0	Cs8g12230.1/Cs8g122	9.73	0	0	2	MASCOT	T	PLEX8
2.67E-02	0|0	gi|113952664/gi|11395	4.22	0	0	2	MASCOT	T	PLEX8
2.31E-04	0|0	gi|113952664/gi|11395	6.74	0	0	2	MASCOT	T	PLEX8
2.88E-01	0|0	gi|113952664/gi|11395	6.1	0	0	2	MASCOT	T	PLEX8
7.80E-02	0|0	gi|113952664/gi|11395	6.92	0	0	2	MASCOT	T	PLEX8
2.51E-01	0|0	gi|113952664/gi|11395	6.92	0	0	2	MASCOT	T	PLEX8
5.23E-02	0|0	gi|113952664/gi|11395	6	0	0	2	MASCOT	T	PLEX8
1.82E-01	0|0	gi|113952664/gi|11395	4.37	0	0	2	MASCOT	T	PLEX8
5.60E-02	0|0	gi|113952664/gi|11395	4.37	0	0	2	MASCOT	T	PLEX8
1.55E-01	0|0	gi|113952664/gi|11395	6	0	0	2	MASCOT	T	PLEX8
3.65E-02	0|0	gi|113952664/gi|11395	5.81	0	0	2	MASCOT	T	PLEX8
6.26E-02	0|0	gi|113952664/gi|11395	5.21	0	0	2	MASCOT	T	PLEX8
4.13E-02	0|0	gi|113952664/gi|11395	9.76	0	0	2	MASCOT	T	PLEX8
6.92E-02	0|0	gi|113952664/gi|11395	8.59	0	0	2	MASCOT	T	
2.77E-01	0|0	gi|113952664/gi|11395	8.31	0	0	2	MASCOT	T	PLEX8
3.25E-01	0|0	Cs7g19250.1/Cs7g192	5.32	0	0	2	MASCOT	T	PLEX8
3.38E-01	0|0	Cs7g19250.1/Cs7g192	5.32	0	0	2	MASCOT	T	PLEX8
1.23E-02	0|0	Cs7g19250.1/Cs7g192	5.32	0	0	2	MASCOT	T	PLEX8
1.22E-01	0|0	Cs7g19250.1/Cs7g192	5.32	0	0	2	MASCOT	T	PLEX8
1.27E-02	0|0	Cs7g19250.1/Cs7g192	5.32	0	0	2	MASCOT	T	PLEX8
3.02E-01	0|0	Cs7g19250.1/Cs7g192	5.32	0	0	2	MASCOT	T	PLEX8
1.67E-01	0|0	Cs7g19250.1/Cs7g192	5.32	0	0	2	MASCOT	T	PLEX8
2.57E-03	0|0	Cs7g19250.1/Cs7g192	6	0	0	2	MASCOT	T	PLEX8
9.27E-04	0|0	Cs7g19250.1/Cs7g192	6	0	0	2	MASCOT	T	PLEX8
5.17E-03	0|0	Cs7g19250.1/Cs7g192	6	0	0	2	MASCOT	T	PLEX8
2.25E-02	0|0	Cs7g19250.1/Cs7g192	6	0	0	2	MASCOT	T	PLEX8
5.24E-03	0|0	Cs7g19250.1/Cs7g192	6	0	0	2	MASCOT	T	PLEX8
5.42E-02	0|0	Cs7g19250.1/Cs7g192	6	0	0	2	MASCOT	T	PLEX8
9.95E-02	0|0	Cs7g19250.1/Cs7g192	6	0	0	2	MASCOT	T	
1.28E-02	0|0	Cs7g19250.1/Cs7g192	6	0	0	2	MASCOT	T	PLEX8
9.55E-03	0|0	Cs7g19250.1/Cs7g192	6	0	0	2	MASCOT	T	PLEX8
9.25E-02	0|0	Cs7g19250.1/Cs7g192	6	0	0	2	MASCOT	T	PLEX8
2.61E-01	0|0	Cs7g19250.1/Cs7g192	6	0	0	2	MASCOT	T	PLEX8
1.04E-02	0|0	Cs7g19250.1/Cs7g192	6	0	0	2	MASCOT	T	

5.18E-03	0|0	Cs7g19250.1/Cs7g192	6	0	0	2	MASCOT	T	
3.26E-04	0|0	Cs7g19250.1/Cs7g192	4.37	0	0	2	MASCOT	T	PLEX8
1.66E-01	0|0	Cs7g19250.1/Cs7g192	4.37	0	0	2	MASCOT	T	PLEX8
2.71E-01	0|0	Cs7g19250.1/Cs7g192	4.37	0	0	2	MASCOT	T	PLEX8
1.70E-01	0|0	Cs7g19250.1/Cs7g192	4.37	0	0	2	MASCOT	T	PLEX8
3.62E-02	0|0	Cs7g19250.1/Cs7g192	4.37	0	0	2	MASCOT	T	PLEX8
2.31E-04	0|0	Cs7g19250.1/Cs7g192	4.37	0	0	2	MASCOT	T	PLEX8
4.00E-02	0|0	Cs7g19250.1/Cs7g192	4.37	0	0	2	MASCOT	T	PLEX8
1.80E-01	0|0	Cs7g19250.1/Cs7g192	4.37	0	0	2	MASCOT	T	PLEX8
2.68E-03	0|0	Cs7g19250.1/Cs7g192	4.37	0	0	2	MASCOT	T	PLEX8
3.34E-04	0|0	Cs7g19250.1/Cs7g192	4.37	0	0	2	MASCOT	T	
1.50E-01	0|0	Cs7g19250.1/Cs7g192	4.37	0	0	2	MASCOT	T	
4.34E-02	0|0	Cs7g19250.1/Cs7g192	4.37	0	0	2	MASCOT	T	
2.78E-01	0|0	Cs7g19250.1/Cs7g192	4.37	0	0	2	MASCOT	T	PLEX8
3.51E-03	0|0	Cs7g19250.1/Cs7g192	4.37	0	0	2	MASCOT	T	PLEX8
4.01E-03	0|0	Cs7g19250.1/Cs7g192	4.37	0	0	2	MASCOT	T	PLEX8
2.59E-05	0|0	Cs7g19250.1/Cs7g192	4.37	0	0	2	MASCOT	T	PLEX8
8.13E-04	0|0	Cs7g19250.1/Cs7g192	4.37	0	0	2	MASCOT	T	PLEX8
4.40E-02	0|0	Cs7g19250.1/Cs7g192	4.37	0	0	2	MASCOT	T	PLEX8
1.16E-05	0|0	Cs7g19250.1/Cs7g192	4.37	0	0	2	MASCOT	T	
1.91E-01	0|0	Cs7g19250.1/Cs7g192	4.37	0	0	2	MASCOT	T	PLEX8
2.68E-01	0|0	Cs7g19250.1/Cs7g192	4.37	0	0	2	MASCOT	T	PLEX8
3.15E-02	0|0	Cs7g19250.1/Cs7g192	4.37	0	0	2	MASCOT	T	PLEX8
1.85E-01	0|0	Cs7g19250.1/Cs7g192	4.37	0	0	2	MASCOT	T	PLEX8
1.62E-02	0|0	Cs7g19250.1/Cs7g192	4.37	0	0	2	MASCOT	T	PLEX8
3.51E-01	0|0	Cs7g19250.1/Cs7g192	4.37	0	0	2	MASCOT	T	
3.15E-02	0|0	Cs7g19250.1/Cs7g192	4.37	0	0	2	MASCOT	T	PLEX8
6.03E-03	0|0	Cs7g19250.1/Cs7g192	4.37	0	0	2	MASCOT	T	PLEX8
2.74E-01	0|0	Cs7g19250.1/Cs7g192	4.37	0	0	2	MASCOT	T	
1.19E-01	0|0	Cs7g19250.1/Cs7g192	8.47	0	0	2	MASCOT	T	PLEX8
1.05E-01	0|0	Cs7g19250.1/Cs7g192	8.47	0	0	2	MASCOT	T	PLEX8
1.88E-01	0|0	Cs7g19250.1/Cs7g192	8.47	0	0	2	MASCOT	T	PLEX8
9.18E-03	0|0	Cs7g19250.1/Cs7g192	8.47	0	0	2	MASCOT	T	PLEX8
9.91E-02	0|0	Cs7g19250.1/Cs7g192	8.47	0	0	2	MASCOT	T	PLEX8
2.20E-01	0|0	Cs7g19250.1/Cs7g192	8.47	0	0	2	MASCOT	T	PLEX8
1.16E-01	0|0	Cs7g19250.1/Cs7g192	8.47	0	0	2	MASCOT	T	PLEX8
1.09E-01	0|0	Cs7g19250.1/Cs7g192	8.47	0	0	2	MASCOT	T	PLEX8
1.92E-02	0|0	Cs7g19250.1/Cs7g192	8.47	0	0	2	MASCOT	T	PLEX8
3.72E-01	0|0	Cs7g19250.1/Cs7g192	8.47	0	0	2	MASCOT	T	PLEX8
3.18E-01	0|0	Cs7g19250.1/Cs7g192	8.47	0	0	2	MASCOT	T	
2.09E-01	0|0	Cs7g19250.1/Cs7g192	8.47	0	0	2	MASCOT	T	
8.52E-04	0|0	Cs7g19250.1/Cs7g192	4.37	0	0	2	MASCOT	T	
9.98E-02	0|0	Cs7g19250.1/Cs7g192	4.37	0	0	2	MASCOT	T	PLEX8
1.33E-03	0|0	Cs7g19250.1/Cs7g192	4.37	0	0	2	MASCOT	T	PLEX8
1.75E-03	0|0	Cs7g19250.1/Cs7g192	4.37	0	0	2	MASCOT	T	PLEX8
1.06E-05	0|0	Cs7g19250.1/Cs7g192	4.37	0	0	2	MASCOT	T	PLEX8
4.60E-03	0|0	Cs7g19250.1/Cs7g192	4.37	0	0	2	MASCOT	T	PLEX8
2.33E-04	0|0	Cs7g19250.1/Cs7g192	4.37	0	0	2	MASCOT	T	PLEX8
1.76E-01	0|0	Cs7g19250.1/Cs7g192	4.37	0	0	2	MASCOT	T	PLEX8
6.42E-05	0|0	Cs7g19250.1/Cs7g192	4.37	0	0	2	MASCOT	T	PLEX8
2.45E-02	0|0	Cs7g19250.1/Cs7g192	4.37	0	0	2	MASCOT	T	PLEX8

1.59E-01	0|0	Cs7g19250.1/Cs7g192	4.37	0	0	2	MASCOT	T	PLEX8	
1.76E-05	0|0	Cs7g19250.1/Cs7g192	4.37	0	0	2	MASCOT	T		
3.58E-04	0|0	Cs7g19250.1/Cs7g192	4.37	0	0	2	MASCOT	T	PLEX8	
4.08E-01	0|0	Cs7g19250.1/Cs7g192	4.37	0	0	2	MASCOT	T	PLEX8	
1.88E-05	0|0	Cs7g19250.1/Cs7g192	4.37	0	0	2	MASCOT	T		
4.70E-05	0|0	Cs7g19250.1/Cs7g192	4.37	0	0	2	MASCOT	T		
3.63E-04	0|0	Cs7g19250.1/Cs7g192	4.37	0	0	2	MASCOT	T	PLEX8	
3.42E-03	0|0	Cs7g19250.1/Cs7g192	4.56	1	0	2	MASCOT	T	PLEX8	
1.22E-01	0|0	Cs7g19250.1/Cs7g192	4.56	1	0	2	MASCOT	T	PLEX8	
9.40E-02	0|0	Cs7g19250.1/Cs7g192	4.56	1	0	2	MASCOT	T		
1.50E-01	0|0	Cs7g19250.1/Cs7g192	4.56	1	0	2	MASCOT	T	PLEX8	
6.23E-02	0|0	Cs7g19250.1/Cs7g192	4.56	1	0	2	MASCOT	T	PLEX8	
6.20E-03	0|0	Cs7g19250.1/Cs7g192	4.56	1	0	2	MASCOT	T	PLEX8	
7.19E-03	0|0	Cs7g19250.1/Cs7g192	5.88	0	0	2	MASCOT	T	PLEX8	
1.19E-02	0|0	Cs7g19250.1/Cs7g192	5.88	0	0	2	MASCOT	T	PLEX8	
2.95E-04	0|0	Cs7g19250.1/Cs7g192	5.88	0	0	2	MASCOT	T	PLEX8	
1.40E-02	0|0	Cs7g19250.1/Cs7g192	5.88	0	0	2	MASCOT	T	PLEX8	
1.19E-01	0|0	Cs7g19250.1/Cs7g192	5.88	0	0	2	MASCOT	T	PLEX8	
4.73E-02	0|0	Cs7g19250.1/Cs7g192	5.88	0	0	2	MASCOT	T	PLEX8	
4.56E-02	0|0	Cs7g19250.1/Cs7g192	5.88	0	0	2	MASCOT	T	PLEX8	
1.05E-02	0|0	Cs7g19250.1/Cs7g192	5.88	0	0	2	MASCOT	T		
2.48E-01	0|0	Cs7g19250.1/Cs7g192	5.88	0	0	2	MASCOT	T	PLEX8	
1.45E-02	0|0	Cs7g19250.1/Cs7g192	5.88	0	0	2	MASCOT	T	PLEX8	
9.32E-03	0|0	Cs7g19250.1/Cs7g192	5.88	0	0	2	MASCOT	T	PLEX8	
8.41E-03	0|0	Cs7g19250.1/Cs7g192	5.88	0	0	2	MASCOT	T	PLEX8	
5.21E-03	0|0	Cs7g19250.1/Cs7g192	5.88	0	0	2	MASCOT	T	PLEX8	
1.86E-02	0|0	Cs7g19250.1/Cs7g192	5.88	0	0	2	MASCOT	T		
1.78E-02	0|0	Cs7g19250.1/Cs7g192	5.88	0	0	2	MASCOT	T		
2.29E-02	0|0	Cs7g19250.1/Cs7g192	5.88	0	0	2	MASCOT	T		
2.85E-02	0|0	Cs7g19250.1/Cs7g192	5.88	0	0	2	MASCOT	T		
4.08E-03	0|0	Cs7g19250.1/Cs7g192	5.88	0	0	2	MASCOT	T		
9.72E-02	0|0	Cs7g19250.1/Cs7g192	4.37	0	0	2	MASCOT	T	PLEX8	
7.35E-02	0|0	Cs7g19250.1/Cs7g192	4.37	0	0	2	MASCOT	T	PLEX8	
7.67E-02	0|0	Cs7g19250.1/Cs7g192	4.37	0	0	2	MASCOT	T	PLEX8	
1.47E-01	0|0	Cs7g19250.1/Cs7g192	4.37	0	0	2	MASCOT	T	PLEX8	
1.73E-01	0|0	Cs7g19240.1/Cs7g192	4.53	0	0	2	MASCOT	T	PLEX8	
1.45E-01	0|0	Cs7g19240.1/Cs7g192	4.53	0	0	2	MASCOT	T	PLEX8	
2.03E-01	0|0	Cs7g19240.1/Cs7g192	4.53	0	0	2	MASCOT	T	PLEX8	
1.19E-01	0|0	Cs7g19240.1/Cs7g192	4.53	0	0	2	MASCOT	T	PLEX8	
2.44E-01	0|0	Cs7g19240.1/Cs7g192	4.53	0	0	2	MASCOT	T	PLEX8	
2.37E-01	0|0	Cs7g19240.1/Cs7g192	4.53	0	0	2	MASCOT	T	PLEX8	
1.94E-01	0|0	Cs7g19240.1/Cs7g192	4.53	0	0	2	MASCOT	T		
4.66E-03	0|0	Cs7g19250.1/Cs7g192	5.96	0	15.9	0	2	MASCOT	T	PLEX8
9.60E-03	0|0	Cs7g19250.1/Cs7g192	5.96	0	15.9	0	2	MASCOT	T	PLEX8
1.16E-01	0|0	Cs7g19250.1/Cs7g192	5.96	0	15.9	0	2	MASCOT	T	PLEX8
8.29E-02	0|0	Cs7g19250.1/Cs7g192	5.96	0	15.9	0	2	MASCOT	T	PLEX8
5.64E-02	0|0	Cs7g19250.1/Cs7g192	5.96	0	15.9	0	2	MASCOT	T	PLEX8
6.73E-02	0|0	Cs7g19250.1/Cs7g192	5.96	0	15.9	0	2	MASCOT	T	PLEX8
7.25E-02	0|0	Cs7g19250.1/Cs7g192	5.96	0	15.9	0	2	MASCOT	T	PLEX8
1.74E-02	0|0	Cs7g19250.1/Cs7g192	5.96	0	15.9	0	2	MASCOT	T	PLEX8
9.29E-03	0|0	Cs7g19250.1/Cs7g192	5.96	0	15.9	0	2	MASCOT	T	PLEX8

3.10E-01	0|0	Cs7g19250.1/Cs7g192	5.96	0	15.9	0	2	MASCOT	T	PLEX8
1.03E-02	0|0	Cs7g19250.1/Cs7g192	5.96	0	15.9	0	2	MASCOT	T	PLEX8
6.92E-02	0|0	Cs7g19250.1/Cs7g192	5.96	0	15.9	0	2	MASCOT	T	PLEX8
8.64E-03	0|0	Cs7g19250.1/Cs7g192	5.96	0	0	0	2	MASCOT	T	PLEX8
4.24E-02	0|0	Cs7g19250.1/Cs7g192	5.96	0	0	0	2	MASCOT	T	PLEX8
4.54E-01	0|0	Cs7g19250.1/Cs7g192	5.96	0	0	0	2	MASCOT	T	
3.02E-01	0|0	Cs7g19250.1/Cs7g192	5.96	0	0	0	2	MASCOT	T	PLEX8
1.49E-03	0|0	Cs7g19250.1/Cs7g192	5.96	0	0	0	2	MASCOT	T	PLEX8
3.17E-02	0|0	Cs7g19250.1/Cs7g192	5.96	0	0	0	2	MASCOT	T	PLEX8
2.73E-02	0|0	Cs7g19250.1/Cs7g192	5.96	0	0	0	2	MASCOT	T	PLEX8
4.98E-02	0|0	Cs7g19250.1/Cs7g192	5.96	0	0	0	2	MASCOT	T	PLEX8
3.65E-01	0|0	Cs9g03530.1/Cs9g035	6.1	0	15.9	0	2	MASCOT	T	PLEX8
2.05E-01	0|0	Cs9g03530.1/Cs9g035	6.1	0	15.9	0	2	MASCOT	T	PLEX8
2.11E-01	0|0	Cs9g03530.1/Cs9g035	6.1	0	15.9	0	2	MASCOT	T	PLEX8
4.50E-01	0|0	Cs9g03530.1/Cs9g035	6.1	0	15.9	0	2	MASCOT	T	PLEX8
3.17E-02	0|0	Cs9g03530.1/Cs9g035	6.1	0	0	0	2	MASCOT	T	PLEX8
1.01E-01	0|0	Cs9g03530.1/Cs9g035	6.1	0	0	0	2	MASCOT	T	PLEX8
2.04E-01	0|0	Cs9g03530.1/Cs9g035	6.1	0	0	0	2	MASCOT	T	PLEX8
3.55E-01	0|0	Cs9g03530.1/Cs9g035	6.1	0	0	0	2	MASCOT	T	PLEX8
4.65E-01	0|0	Cs9g03530.1/Cs9g035	6.1	0	0	0	2	MASCOT	T	PLEX8
5.46E-02	0|0	Cs9g03530.1/Cs9g035	6.1	0	0	0	2	MASCOT	T	PLEX8
3.68E-01	0|0	Cs9g03530.1/Cs9g035	6.1	0	0	0	2	MASCOT	T	PLEX8
1.51E-04	0|0	Cs9g03530.1/Cs9g035	4.54	0	0	0	2	MASCOT	T	PLEX8
8.15E-06	0|0	Cs9g03530.1/Cs9g035	4.54	0	0	0	2	MASCOT	T	PLEX8
1.30E-07	0|0	Cs9g03530.1/Cs9g035	4.54	0	0	0	2	MASCOT	T	PLEX8
2.58E-04	0|0	Cs9g03530.1/Cs9g035	4.54	0	0	0	2	MASCOT	T	PLEX8
9.86E-09	0|0	Cs9g03530.1/Cs9g035	4.54	0	0	0	2	MASCOT	T	PLEX8
2.47E-02	0|0	Cs9g03530.1/Cs9g035	4.54	0	0	0	2	MASCOT	T	PLEX8
2.75E-04	0|0	Cs9g03530.1/Cs9g035	4.54	0	0	0	2	MASCOT	T	PLEX8
1.79E-02	0|0	Cs9g03530.1/Cs9g035	4.54	0	0	0	2	MASCOT	T	PLEX8
2.65E-07	0|0	Cs9g03530.1/Cs9g035	4.54	0	0	0	2	MASCOT	T	PLEX8
2.04E-03	0|0	Cs9g03530.1/Cs9g035	4.54	0	0	0	2	MASCOT	T	
4.32E-02	0|0	Cs9g03530.1/Cs9g035	4.54	0	0	0	2	MASCOT	T	PLEX8
2.05E-05	0|0	Cs9g03530.1/Cs9g035	4.54	0	0	0	2	MASCOT	T	PLEX8
1.24E-05	0|0	Cs9g03530.1/Cs9g035	4.54	0	0	0	2	MASCOT	T	PLEX8
1.53E-07	0|0	Cs9g03530.1/Cs9g035	4.54	0	0	0	2	MASCOT	T	PLEX8
2.07E-08	0|0	Cs9g03530.1/Cs9g035	4.54	0	0	0	2	MASCOT	T	PLEX8
1.03E-06	0|0	Cs9g03530.1/Cs9g035	4.54	0	0	0	2	MASCOT	T	PLEX8
7.18E-06	0|0	Cs9g03530.1/Cs9g035	4.54	0	0	0	2	MASCOT	T	PLEX8
2.30E-04	0|0	Cs9g03530.1/Cs9g035	4.54	0	0	0	2	MASCOT	T	
2.42E-02	0|0	Cs9g03530.1/Cs9g035	4.54	0	0	0	2	MASCOT	T	
1.09E-04	0|0	Cs9g03530.1/Cs9g035	4.54	0	0	0	2	MASCOT	T	
5.91E-06	0|0	Cs9g03530.1/Cs9g035	4.54	0	0	0	2	MASCOT	T	
2.44E-02	0|0	Cs9g03530.1/Cs9g035	8.22	0	0	0	2	MASCOT	T	PLEX8
5.33E-03	0|0	Cs9g03530.1/Cs9g035	8.22	0	0	0	2	MASCOT	T	PLEX8
9.69E-04	0|0	Cs9g03530.1/Cs9g035	8.22	0	0	0	2	MASCOT	T	PLEX8
5.94E-02	0|0	Cs9g03530.1/Cs9g035	8.22	0	0	0	2	MASCOT	T	PLEX8
1.14E-02	0|0	Cs9g03530.1/Cs9g035	8.22	0	0	0	2	MASCOT	T	PLEX8
2.71E-03	0|0	Cs9g03530.1/Cs9g035	8.22	0	0	0	2	MASCOT	T	PLEX8
5.48E-03	0|0	Cs9g03530.1/Cs9g035	8.22	0	0	0	2	MASCOT	T	PLEX8
5.67E-02	0|0	Cs9g03530.1/Cs9g035	8.22	0	0	0	2	MASCOT	T	PLEX8

4.48E-02	0|0	Cs9g03530.1/Cs9g035	8.22	0	0	2	MASCOT	T	PLEX8	
3.46E-02	0|0	Cs9g03530.1/Cs9g035	8.22	0	0	2	MASCOT	T		
1.41E-02	0|0	Cs9g03530.1/Cs9g035	8.22	0	0	2	MASCOT	T	PLEX8	
5.05E-03	0|0	Cs9g03530.1/Cs9g035	8.22	0	0	2	MASCOT	T	PLEX8	
1.77E-02	0|0	Cs9g03530.1/Cs9g035	8.22	0	0	2	MASCOT	T	PLEX8	
1.80E-02	0|0	Cs9g03530.1/Cs9g035	8.22	0	0	2	MASCOT	T	PLEX8	
1.47E-01	0|0	Cs9g03530.1/Cs9g035	8.22	0	0	2	MASCOT	T	PLEX8	
2.35E-01	0|0	Cs9g03530.1/Cs9g035	8.22	0	0	2	MASCOT	T	PLEX8	
9.77E-02	0|0	Cs9g03530.1/Cs9g035	8.22	0	0	2	MASCOT	T	PLEX8	
2.45E-01	0|0	Cs9g03530.1/Cs9g035	5.99	0	0	2	MASCOT	T	PLEX8	
2.25E-03	0|0	Cs9g03530.1/Cs9g035	5.99	0	0	2	MASCOT	T	PLEX8	
2.18E-04	0|0	Cs9g03530.1/Cs9g035	5.99	0	0	2	MASCOT	T	PLEX8	
6.96E-05	0|0	Cs9g03530.1/Cs9g035	5.99	0	0	2	MASCOT	T	PLEX8	
1.27E-03	0|0	Cs9g03530.1/Cs9g035	5.99	0	0	2	MASCOT	T	PLEX8	
5.00E-05	0|0	Cs9g03530.1/Cs9g035	5.99	0	0	2	MASCOT	T	PLEX8	
2.12E-03	0|0	Cs9g03530.1/Cs9g035	5.99	0	0	2	MASCOT	T	PLEX8	
4.51E-02	0|0	Cs9g03530.1/Cs9g035	5.99	0	0	2	MASCOT	T	PLEX8	
3.49E-03	0|0	Cs9g03530.1/Cs9g035	5.99	0	0	2	MASCOT	T	PLEX8	
2.25E-04	0|0	Cs9g03530.1/Cs9g035	5.99	0	0	2	MASCOT	T	PLEX8	
1.18E-01	0|0	Cs9g03530.1/Cs9g035	5.99	0	0	2	MASCOT	T	PLEX8	
1.02E-01	0|0	Cs9g03530.1/Cs9g035	5.99	0	0	2	MASCOT	T	PLEX8	
1.73E-03	0|0	Cs9g03530.1/Cs9g035	5.99	0	0	2	MASCOT	T	PLEX8	
1.39E-06	0|0	Cs9g03530.1/Cs9g035	5.99	0	0	2	MASCOT	T	PLEX8	
3.51E-02	0|0	Cs9g03530.1/Cs9g035	5.99	0	0	2	MASCOT	T	PLEX8	
3.36E-03	0|0	Cs9g03530.1/Cs9g035	5.99	0	0	2	MASCOT	T	PLEX8	
4.24E-03	0|0	Cs9g03530.1/Cs9g035	5.99	0	0	2	MASCOT	T		
9.46E-02	0|0	Cs9g03530.1/Cs9g035	5.55	0	0	2	MASCOT	T	PLEX8	
9.18E-02	0|0	Cs9g03530.1/Cs9g035	5.55	0	0	2	MASCOT	T	PLEX8	
5.76E-01	0|0	Cs9g03530.1/Cs9g035	4.37	0	0	2	MASCOT	T	PLEX8	
3.88E-01	0|0	Cs9g03530.1/Cs9g035	4.37	0	0	2	MASCOT	T	PLEX8	
3.26E-01	0|0	Cs9g03530.1/Cs9g035	4.37	0	0	2	MASCOT	T	PLEX8	
3.34E-01	0|0	Cs9g03530.1/Cs9g035	4.37	0	0	2	MASCOT	T		
4.04E-03	0|0	Cs9g03530.1/Cs9g035	4.14	0	0	2	MASCOT	T	PLEX8	
1.21E-05	0|0	Cs9g03530.1/Cs9g035	4.14	0	0	2	MASCOT	T	PLEX8	
4.93E-05	0|0	Cs9g03530.1/Cs9g035	5.83	0	15.9	0	2	MASCOT	T	
6.79E-05	0|0	Cs9g03530.1/Cs9g035	5.83	0	15.9	0	2	MASCOT	T	
2.76E-07	0|0	Cs9g03530.1/Cs9g035	5.83	0	15.9	0	2	MASCOT	T	
6.96E-03	0|0	Cs9g03530.1/Cs9g035	5.83	0	15.9	0	2	MASCOT	T	
2.64E-05	0|0	Cs9g03530.1/Cs9g035	5.83	0	15.9	0	2	MASCOT	T	
4.19E-06	0|0	Cs9g03530.1/Cs9g035	5.83	0	0	2	MASCOT	T		
5.19E-05	0|0	Cs9g03530.1/Cs9g035	5.83	0	0	2	MASCOT	T		
4.75E-06	0|0	Cs9g03530.1/Cs9g035	5.83	0	0	2	MASCOT	T		
1.04E-05	0|0	Cs9g03530.1/Cs9g035	5.83	0	0	2	MASCOT	T	PLEX8	
3.77E-02	0|0	Cs9g03530.1/Cs9g035	4.68	1	15.9	0	2	MASCOT	T	PLEX8
2.05E-03	0|0	Cs9g03530.1/Cs9g035	4.68	1	0	2	MASCOT	T	PLEX8	
2.08E-01	0|0	Cs9g03530.1/Cs9g035	4.37	0	0	2	MASCOT	T	PLEX8	
5.40E-02	0|0	Cs9g03530.1/Cs9g035	4.37	0	0	2	MASCOT	T	PLEX8	
3.26E-02	0|0	Cs9g03530.1/Cs9g035	9.47	0	0	2	MASCOT	T	PLEX8	
4.69E-03	0|0	Cs9g03530.1/Cs9g035	9.47	0	0	2	MASCOT	T	PLEX8	
2.13E-02	0|0	Cs7g16320.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.16E-03	0|0	Cs7g16320.1	4.53	0	0	2	MASCOT	T	PLEX8	

1.49E-03	0|0	Cs7g16320.1	4.53	0	0	2	MASCOT	T	PLEX8
7.69E-02	0|0	Cs7g16320.1	4.53	0	0	2	MASCOT	T	PLEX8
1.05E-03	0|0	Cs7g16320.1	4.53	0	0	2	MASCOT	T	PLEX8
1.81E-02	0|0	Cs7g16320.1	4.53	0	0	2	MASCOT	T	PLEX8
3.44E-04	0|0	Cs7g16320.1	4.53	0	0	2	MASCOT	T	PLEX8
1.63E-03	0|0	Cs7g16320.1	4.53	0	0	2	MASCOT	T	PLEX8
9.26E-03	0|0	Cs7g16320.1	4.53	0	0	2	MASCOT	T	PLEX8
3.00E-02	0|0	Cs7g16320.1	4.53	0	0	2	MASCOT	T	
3.83E-03	0|0	Cs7g16320.1	4.53	0	0	2	MASCOT	T	PLEX8
9.72E-04	0|0	Cs7g16320.1	4.53	0	0	2	MASCOT	T	PLEX8
2.39E-02	0|0	Cs7g16320.1	4.53	0	0	2	MASCOT	T	PLEX8
3.50E-04	0|0	Cs7g16320.1	4.53	0	0	2	MASCOT	T	PLEX8
2.38E-02	0|0	Cs7g16320.1	4.53	0	0	2	MASCOT	T	PLEX8
3.06E-01	0|0	Cs7g16320.1	4.53	0	0	2	MASCOT	T	
6.55E-02	0|0	Cs7g16320.1	4.03	0	0	2	MASCOT	T	PLEX8
8.20E-02	0|0	Cs7g16320.1	4.03	0	0	2	MASCOT	T	PLEX8
8.03E-02	0|0	Cs7g16320.1	4.03	0	0	2	MASCOT	T	PLEX8
5.92E-02	0|0	Cs7g16320.1	4.03	0	0	2	MASCOT	T	PLEX8
3.94E-03	0|0	Cs7g16320.1	4.03	0	0	2	MASCOT	T	PLEX8
4.73E-02	0|0	Cs7g16320.1	4.03	0	0	2	MASCOT	T	PLEX8
1.25E-02	0|0	Cs7g16320.1	4.03	0	0	2	MASCOT	T	PLEX8
1.37E-01	0|0	Cs7g16320.1	4.03	0	0	2	MASCOT	T	PLEX8
8.26E-02	0|0	Cs7g16320.1	4.03	0	0	2	MASCOT	T	PLEX8
2.04E-04	0|0	Cs7g16320.1	8.5	0	0	2	MASCOT	T	PLEX8
2.15E-03	0|0	Cs7g16320.1	8.5	0	0	2	MASCOT	T	PLEX8
1.72E-01	0|0	Cs7g16320.1	8.5	0	0	2	MASCOT	T	
4.42E-04	0|0	Cs7g16320.1	8.5	0	0	2	MASCOT	T	PLEX8
4.53E-03	0|0	Cs7g16320.1	8.5	0	0	2	MASCOT	T	PLEX8
5.85E-04	0|0	Cs7g16320.1	8.5	0	0	2	MASCOT	T	PLEX8
8.57E-03	0|0	Cs7g16320.1	8.5	0	0	2	MASCOT	T	PLEX8
3.55E-01	0|0	Cs7g16320.1	8.5	0	0	2	MASCOT	T	PLEX8
1.05E-02	0|0	Cs7g16320.1	8.5	0	0	2	MASCOT	T	
9.86E-02	0|0	Cs7g16320.1	4.14	0	0	2	MASCOT	T	PLEX8
2.32E-02	0|0	Cs7g16320.1	4.25	0	0	2	MASCOT	T	PLEX8
3.29E-01	0|0	Cs7g16320.1	4.25	0	0	2	MASCOT	T	PLEX8
2.23E-02	0|0	Cs7g16320.1	4.25	0	0	2	MASCOT	T	PLEX8
8.15E-02	0|0	Cs7g16320.1	4.25	0	0	2	MASCOT	T	PLEX8
5.35E-02	0|0	Cs7g16320.1	4.25	0	0	2	MASCOT	T	
1.11E-02	0|0	Cs7g16320.1	4.25	0	0	2	MASCOT	T	
1.18E-04	0|0	Cs7g16320.1	4.25	0	0	2	MASCOT	T	
1.70E-04	0|0	Cs7g16320.1	4.25	0	0	2	MASCOT	T	
1.08E-04	0|0	Cs7g16320.1	4.25	0	0	2	MASCOT	T	
3.21E-02	0|0	Cs7g16320.1	4	1	0	2	MASCOT	T	PLEX8
2.69E-02	0|0	Cs7g16320.1	4.21	0	0	2	MASCOT	T	PLEX8
5.14E-02	0|0	Cs7g16320.1	4.21	0	0	2	MASCOT	T	PLEX8
2.93E-02	0|0	Cs7g16320.1	4.21	0	0	2	MASCOT	T	PLEX8
8.46E-02	0|0	Cs7g16320.1	4.21	0	0	2	MASCOT	T	PLEX8
2.92E-02	0|0	Cs7g16320.1	4.79	1	0	2	MASCOT	T	PLEX8
1.23E-02	0|0	Cs7g16320.1	4.79	1	0	2	MASCOT	T	PLEX8
2.27E-02	0|0	Cs7g16320.1	4.79	1	0	2	MASCOT	T	PLEX8
3.26E-02	0|0	Cs7g16320.1	4.37	0	0	2	MASCOT	T	

2.26E-03	0|0	Cs7g16320.1	4.53	0	15.9	0	2	MASCOT	T	
1.62E-04	0|0	Cs7g16320.1	4.53	0	15.9	0	2	MASCOT	T	
1.99E-04	0|0	Cs7g16320.1	4.53	0	15.9	0	2	MASCOT	T	
2.53E-02	0|0	Cs7g16320.1	4.53	0		0	2	MASCOT	T	
1.54E-06	0|0	Cs7g16320.1	4.53	0		0	2	MASCOT	T	
6.63E-06	0|0	Cs7g16320.1	4.53	0		0	2	MASCOT	T	
2.06E-05	0|0	Cs7g16320.1	4.53	0		0	2	MASCOT	T	
1.38E-03	0|0	Cs7g16320.1	4.53	0		0	2	MASCOT	T	
2.11E-01	0|0	orange1.1t03263.1	8.8	0		0	2	MASCOT	T	PLEX8
2.76E-02	0|0	orange1.1t03263.1	4.37	0		0	2	MASCOT	T	PLEX8
1.52E-02	0|0	orange1.1t03263.1	4.37	0		0	2	MASCOT	T	
2.83E-02	0|0	orange1.1t03263.1	4.37	0		0	2	MASCOT	T	PLEX8
1.49E-03	0|0	orange1.1t03263.1	4.37	0		0	2	MASCOT	T	PLEX8
1.08E-01	0|0	orange1.1t03263.1	3.71	0		0	2	MASCOT	T	PLEX8
3.92E-02	0|0	orange1.1t03263.1	3.71	0		0	2	MASCOT	T	
6.91E-02	0|0	Cs5g06870.1/Cs5g068	9.75	0	15.9	0	2	MASCOT	T	PLEX8
4.78E-02	0|0	Cs5g06870.1/Cs5g068	9.75	0	15.9	0	2	MASCOT	T	PLEX8
3.05E-02	0|0	Cs5g06870.1/Cs5g068	9.75	0		0	2	MASCOT	T	PLEX8
1.35E-01	0|0	Cs2g24610.1/Cs7g102	5.5	0		0	2	MASCOT	T	PLEX8
8.17E-02	0|0	Cs2g24610.1/Cs7g102	5.5	0		0	2	MASCOT	T	PLEX8
5.23E-03	0|0	orange1.1t03263.1	5.81	0		0	2	MASCOT	T	PLEX8
9.49E-02	0|0	orange1.1t03263.1	5.81	0		0	2	MASCOT	T	PLEX8
1.79E-01	0|0	orange1.1t03263.1	5.81	0		0	2	MASCOT	T	PLEX8
5.12E-03	0|0	orange1.1t03263.1	6	0		0	2	MASCOT	T	PLEX8
1.60E-02	0|0	orange1.1t03263.1	6	0		0	2	MASCOT	T	PLEX8
2.15E-01	0|0	orange1.1t03263.1	6	0		0	2	MASCOT	T	
3.19E-02	0|0	orange1.1t03263.1	6	0		0	2	MASCOT	T	
2.36E-01	0|0	orange1.1t03263.1	6	0		0	2	MASCOT	T	
2.86E-02	0|0	orange1.1t03263.1	6.74	0		0	2	MASCOT	T	PLEX8
1.14E-01	0|0	orange1.1t03263.1	6.74	0		0	2	MASCOT	T	PLEX8
1.23E-03	0|0	orange1.1t03263.1	6.74	0		0	2	MASCOT	T	PLEX8
5.50E-02	0|0	orange1.1t03263.1	6.74	0		0	2	MASCOT	T	PLEX8
3.67E-03	0|0	orange1.1t03263.1	6.74	0		0	2	MASCOT	T	PLEX8
6.24E-03	0|0	orange1.1t03263.1	6.74	0		0	2	MASCOT	T	PLEX8
1.18E-01	0|0	orange1.1t03263.1	8.75	0		0	2	MASCOT	T	PLEX8
1.22E-03	0|0	orange1.1t03263.1	8.75	0		0	2	MASCOT	T	PLEX8
3.99E-05	0|0	orange1.1t03263.1	8.75	0		0	2	MASCOT	T	PLEX8
1.95E-02	0|0	orange1.1t03263.1	8.75	0		0	2	MASCOT	T	PLEX8
1.88E-03	0|0	orange1.1t03263.1	8.75	0		0	2	MASCOT	T	PLEX8
1.05E-05	0|0	orange1.1t03263.1	8.75	0		0	2	MASCOT	T	PLEX8
1.23E-01	0|0	orange1.1t03263.1	8.75	0		0	2	MASCOT	T	PLEX8
5.00E-01	0|0	orange1.1t03263.1	8.75	0		0	2	MASCOT	T	PLEX8
3.94E-04	0|0	orange1.1t03263.1	8.75	0		0	2	MASCOT	T	PLEX8
2.45E-04	0|0	orange1.1t03263.1	8.75	0		0	2	MASCOT	T	PLEX8
3.41E-01	0|0	orange1.1t03263.1	8.75	0		0	2	MASCOT	T	PLEX8
3.66E-03	0|0	orange1.1t03263.1	8.75	0		0	2	MASCOT	T	PLEX8
1.73E-01	0|0	Cs2g24610.1/Cs5g068	5.55	0		0	2	MASCOT	T	PLEX8
9.45E-02	0|0	Cs2g24610.1/Cs5g068	5.55	0		0	2	MASCOT	T	PLEX8
1.50E-01	0|0	Cs2g24610.1/Cs5g068	5.55	0		0	2	MASCOT	T	PLEX8
1.37E-01	0|0	Cs2g24610.1/Cs5g068	5.55	0		0	2	MASCOT	T	PLEX8
1.85E-01	0|0	Cs2g24610.1/Cs5g068	5.55	0		0	2	MASCOT	T	PLEX8

1.14E-01	0|0	Cs2g24610.1/Cs5g068	5.55	0	0	2	MASCOT	T	PLEX8	
1.08E-01	0|0	Cs2g24610.1/Cs5g068	5.55	0	0	2	MASCOT	T	PLEX8	
1.09E-01	0|0	Cs2g24610.1/Cs5g068	5.55	0	0	2	MASCOT	T	PLEX8	
2.61E-01	0|0	Cs2g24610.1/Cs5g068	5.55	0	0	2	MASCOT	T	PLEX8	
1.31E-01	0|0	Cs2g24610.1/Cs5g068	5.55	0	0	2	MASCOT	T	PLEX8	
1.71E-02	0|0	Cs2g24610.1/Cs5g068	5.55	0	0	2	MASCOT	T	PLEX8	
1.01E-01	0|0	Cs2g24610.1/Cs5g068	5.55	0	0	2	MASCOT	T	PLEX8	
1.32E-01	0|0	Cs2g24610.1/Cs5g068	5.55	0	0	2	MASCOT	T		
1.70E-01	0|0	Cs2g24610.1/Cs5g068	5.55	0	0	2	MASCOT	T		
1.75E-02	0|0	orange1.1t03263.1	5.15	0	15.9	0	2	MASCOT	T	
6.50E-03	0|0	orange1.1t03263.1	5.15	0	15.9	0	2	MASCOT	T	
1.67E-03	0|0	Cs7g13170.1	8.27	0	15.9	0	2	MASCOT	T	PLEX8
1.58E-03	0|0	Cs7g13170.1	8.27	0	15.9	0	2	MASCOT	T	PLEX8
1.35E-03	0|0	Cs7g13170.1	8.27	0	15.9	0	2	MASCOT	T	PLEX8
6.05E-02	0|0	Cs7g13170.1	8.27	0	15.9	0	2	MASCOT	T	PLEX8
1.10E-02	0|0	Cs7g13170.1	8.27	0	15.9	0	2	MASCOT	T	PLEX8
2.85E-02	0|0	Cs7g13170.1	8.27	0	15.9	0	2	MASCOT	T	
5.11E-04	0|0	Cs7g13170.1	8.27	0	0	2	MASCOT	T	PLEX8	
4.17E-02	0|0	Cs7g13170.1	8.27	0	0	2	MASCOT	T	PLEX8	
2.63E-01	0|0	Cs7g13170.1	8.27	0	0	2	MASCOT	T	PLEX8	
1.02E-04	0|0	Cs7g13170.1	8.27	0	0	2	MASCOT	T	PLEX8	
8.60E-05	0|0	Cs7g13170.1	8.27	0	0	2	MASCOT	T	PLEX8	
1.36E-02	0|0	Cs7g13170.1	8.27	0	0	2	MASCOT	T		
2.60E-02	0|0	Cs7g13170.1	8.27	0	0	2	MASCOT	T		
6.60E-02	0|0	Cs7g13170.1	8.8	0	0	2	MASCOT	T	PLEX8	
2.69E-02	0|0	Cs7g13170.1	8.8	0	0	2	MASCOT	T	PLEX8	
7.54E-02	0|0	Cs7g13170.1	8.8	0	0	2	MASCOT	T	PLEX8	
4.92E-01	0|0	Cs7g13170.1	6.79	0	0	2	MASCOT	T	PLEX8	
1.84E-02	0|0	Cs7g13170.1	6.79	0	0	2	MASCOT	T	PLEX8	
5.64E-04	0|0	Cs7g13170.1	6.79	0	0	2	MASCOT	T	PLEX8	
3.86E-01	0|0	Cs3g22480.1/Cs7g131	8.75	0	15.9	0	2	MASCOT	T	PLEX8
1.46E-01	0|0	Cs3g22480.1/Cs7g131	8.75	0	15.9	0	2	MASCOT	T	PLEX8
3.85E-02	0|0	Cs3g22480.1/Cs7g131	8.75	0	15.9	0	2	MASCOT	T	
2.91E-01	0|0	Cs3g22480.1/Cs7g131	8.75	0	15.9	0	2	MASCOT	T	PLEX8
1.09E-01	0|0	Cs3g22480.1/Cs7g131	8.75	0	0	2	MASCOT	T	PLEX8	
7.91E-05	0|0	Cs3g22480.1/Cs7g131	8.75	0	0	2	MASCOT	T	PLEX8	
2.05E-01	0|0	Cs3g22480.1/Cs7g131	8.75	0	0	2	MASCOT	T	PLEX8	
6.36E-02	0|0	Cs7g13170.1	5.84	0	0	2	MASCOT	T	PLEX8	
1.47E-02	0|0	Cs7g13170.1	5.84	0	0	2	MASCOT	T	PLEX8	
4.72E-02	0|0	Cs7g13170.1	5.84	0	0	2	MASCOT	T	PLEX8	
2.37E-02	0|0	Cs7g13170.1	6.5	0	15.9	0	2	MASCOT	T	PLEX8
5.77E-03	0|0	Cs7g13170.1	6.5	0	15.9	0	2	MASCOT	T	PLEX8
3.89E-02	0|0	Cs7g13170.1	6.5	0	15.9	0	2	MASCOT	T	PLEX8
1.89E-01	0|0	Cs7g13170.1	6.5	0	0	2	MASCOT	T	PLEX8	
6.97E-04	0|0	Cs7g13170.1	6.5	0	0	2	MASCOT	T	PLEX8	
1.12E-01	0|0	Cs7g13170.1	6.5	0	0	2	MASCOT	T	PLEX8	
2.97E-05	0|0	Cs7g13170.1	6.5	0	0	2	MASCOT	T	PLEX8	
3.68E-04	0|0	Cs7g13170.1	6	0	15.9	0	2	MASCOT	T	
1.48E-02	0|0	Cs7g13170.1	6	0	0	2	MASCOT	T		
1.35E-01	0|0	Cs7g13170.1	6	0	0	2	MASCOT	T		
9.53E-05	0|0	Cs7g13170.1	6	0	0	2	MASCOT	T		

2.66E-01 0|0	Cs7g13170.1	8.26	0	0	2 MASCOT	T	PLEX8
8.20E-02 0|0	Cs7g13170.1	8.26	0	0	2 MASCOT	T	PLEX8
6.06E-02 0|0	Cs7g13170.1	5.97	0	0	2 MASCOT	T	PLEX8
1.25E-02 0|0	Cs7g13170.1	5.97	0	0	2 MASCOT	T	PLEX8
1.80E-02 0|0	Cs3g22480.1/Cs7g131	4.53	0	15.9	0	2 MASCOT	T
1.44E-03 0|0	Cs3g22480.1/Cs7g131	4.53	0	0	0	2 MASCOT	T
1.31E-05 0|0	Cs3g22480.1/Cs7g131	4.53	0	0	0	2 MASCOT	T
2.26E-02 0|0	Cs7g13170.1	4.14	0	0	0	2 MASCOT	T PLEX8
1.21E-01 0|0	Cs7g13170.1	4.14	0	0	0	2 MASCOT	T PLEX8
3.51E-02 0|0	Cs7g13170.1	4.14	0	0	0	2 MASCOT	T
5.71E-02 0|0	Cs3g04170.1/Cs3g043	5.84	0	0	0	2 MASCOT	T PLEX8
5.67E-03 0|0	Cs3g04170.1/Cs3g043	5.84	0	0	0	2 MASCOT	T PLEX8
1.89E-01 0|0	Cs3g04170.1/Cs3g043	5.84	0	0	0	2 MASCOT	T PLEX8
3.35E-02 0|0	Cs3g04170.1/Cs3g043	5.84	0	0	0	2 MASCOT	T PLEX8
3.41E-04 0|0	Cs3g04170.1/Cs3g043	5.84	0	0	0	2 MASCOT	T PLEX8
3.05E-01 0|0	orange1.1t05236.1 ! C:	4.37	0	0	0	2 MASCOT	T PLEX8
1.40E-01 0|0	orange1.1t05236.1 ! C:	4.37	0	0	0	2 MASCOT	T PLEX8
3.93E-01 0|0	orange1.1t05236.1 ! C:	4.37	0	0	0	2 MASCOT	T PLEX8
1.18E-01 0|0	Cs3g04170.1/Cs3g043	8.6	0	15.9	0	2 MASCOT	T PLEX8
2.10E-01 0|0	Cs3g04170.1/Cs3g043	8.6	0	15.9	0	2 MASCOT	T PLEX8
3.96E-01 0|0	Cs3g04170.1/Cs3g043	8.6	0	15.9	0	2 MASCOT	T
4.20E-01 0|0	Cs3g04170.1/Cs3g043	8.6	0	0	0	2 MASCOT	T
3.34E-01 0|0	Cs3g04170.1/Cs3g043	8.6	0	0	0	2 MASCOT	T PLEX8
7.49E-02 0|0	Cs3g04170.1/Cs3g043	8.6	0	0	0	2 MASCOT	T
4.30E-03 0|0	Cs3g04170.1/Cs3g041	4.25	0	0	0	2 MASCOT	T
5.94E-04 0|0	Cs3g04170.1/Cs3g041	6.75	0	0	0	2 MASCOT	T PLEX8
1.85E-03 0|0	Cs3g04170.1/Cs3g041	6.75	0	0	0	2 MASCOT	T PLEX8
7.76E-02 0|0	Cs3g04170.1/Cs3g041	6.75	0	0	0	2 MASCOT	T PLEX8
3.39E-03 0|0	Cs3g04170.1/Cs3g041	6.75	0	0	0	2 MASCOT	T PLEX8
9.98E-03 0|0	Cs3g04170.1/Cs3g041	6.75	0	0	0	2 MASCOT	T
4.59E-04 0|0	Cs3g04170.1/Cs3g041	6.75	0	0	0	2 MASCOT	T
5.32E-02 0|0	Cs3g04170.1/Cs3g041	6.75	0	0	0	2 MASCOT	T PLEX8
4.94E-04 0|0	Cs3g04170.1/Cs3g041	6.75	0	0	0	2 MASCOT	T PLEX8
2.55E-03 0|0	Cs3g04170.1/Cs3g041	6.75	0	0	0	2 MASCOT	T PLEX8
4.85E-04 0|0	Cs3g04170.1/Cs3g041	6.75	0	0	0	2 MASCOT	T PLEX8
7.29E-03 0|0	Cs3g04170.1/Cs3g043	4.21	0	0	0	2 MASCOT	T PLEX8
1.04E-02 0|0	Cs3g04170.1/Cs3g043	4.21	0	0	0	2 MASCOT	T PLEX8
8.32E-04 0|0	Cs3g04170.1/Cs3g041	4.75	0	0	0	2 MASCOT	T PLEX8
3.37E-03 0|0	Cs3g04170.1/Cs3g041	4.75	0	0	0	2 MASCOT	T PLEX8
4.36E-02 0|0	Cs3g04170.1/Cs3g043	4.21	0	0	0	2 MASCOT	T PLEX8
3.26E-02 0|0	Cs3g04170.1/Cs3g043	6.79	0	0	0	2 MASCOT	T PLEX8
1.82E-01 0|0	Cs3g04170.1/Cs3g043	6.79	0	0	0	2 MASCOT	T
6.67E-03 0|0	Cs3g04170.1/Cs3g043	6.75	0	0	0	2 MASCOT	T PLEX8
5.46E-04 0|0	Cs3g04170.1/Cs3g043	6.75	0	0	0	2 MASCOT	T PLEX8
1.24E-02 0|0	Cs3g04170.1/Cs3g043	6.75	0	0	0	2 MASCOT	T PLEX8
2.28E-01 0|0	Cs3g04170.1/Cs3g043	6.75	0	0	0	2 MASCOT	T PLEX8
1.37E-01 0|0	Cs3g04170.1/Cs3g043	6.75	0	0	0	2 MASCOT	T PLEX8
2.55E-04 0|0	Cs3g04170.1/Cs3g043	6.75	0	0	0	2 MASCOT	T PLEX8
3.36E-02 0|0	Cs3g04170.1/Cs3g043	5.84	0	0	0	2 MASCOT	T PLEX8
5.27E-02 0|0	Cs3g04170.1/Cs3g043	5.84	0	0	0	2 MASCOT	T PLEX8
4.76E-01 0|0	Cs3g04170.1/Cs3g043	5.84	0	0	0	2 MASCOT	T

4.67E-02 0|0	Cs3g04170.1/Cs3g043	5.84	0	0	2 MASCOT	T	PLEX8
5.21E-03 0|0	Cs3g04170.1/Cs3g043	5.84	0	0	2 MASCOT	T	PLEX8
1.94E-01 0|0	Cs3g04170.1/Cs3g043	5.84	0	0	2 MASCOT	T	
6.98E-02 0|0	Cs8g20810.1/Cs8g208	4.53	0	0	2 MASCOT	T	PLEX8
8.02E-04 0|0	Cs8g20810.1/Cs8g208	4.53	0	0	2 MASCOT	T	PLEX8
1.21E-04 0|0	Cs8g20810.1/Cs8g208	4.53	0	0	2 MASCOT	T	PLEX8
4.73E-02 0|0	Cs8g20810.1/Cs8g208	4.53	0	0	2 MASCOT	T	PLEX8
6.84E-04 0|0	Cs8g20810.1/Cs8g208	4.21	0 15.9	0	2 MASCOT	T	PLEX8
3.74E-02 0|0	Cs8g20810.1/Cs8g208	4.21	0 15.9	0	2 MASCOT	T	PLEX8
1.36E-02 0|0	Cs8g20810.1/Cs8g208	4.21	0	0	2 MASCOT	T	PLEX8
7.55E-02 0|0	Cs8g20810.1/Cs8g208	4.21	0	0	2 MASCOT	T	PLEX8
1.26E-05 0|0	Cs8g20810.1/Cs8g208	4.21	0	0	2 MASCOT	T	PLEX8
2.33E-02 0|0	Cs8g20810.1/Cs8g208	4.53	0	0	2 MASCOT	T	PLEX8
3.63E-02 0|0	Cs8g20810.1/Cs8g208	4.53	0	0	2 MASCOT	T	PLEX8
9.28E-02 0|0	Cs8g20810.1/Cs8g208	4.53	0	0	2 MASCOT	T	PLEX8
2.72E-02 0|0	Cs8g20810.1/Cs8g208	4.53	0	0	2 MASCOT	T	PLEX8
7.04E-02 0|0	Cs8g20810.1/Cs8g208	4.53	0	0	2 MASCOT	T	
3.48E-01 0|0	Cs8g20810.1/Cs8g208	5.72	0	0	2 MASCOT	T	PLEX8
1.17E-01 0|0	Cs8g20810.1/Cs8g208	5.72	0	0	2 MASCOT	T	PLEX8
1.02E-01 0|0	Cs8g20810.1/Cs8g208	8.72	0	0	2 MASCOT	T	PLEX8
7.86E-02 0|0	Cs8g20810.1/Cs8g208	8.72	0	0	2 MASCOT	T	
3.23E-04 0|0	Cs8g20810.1/Cs8g208	8.15	0	0	2 MASCOT	T	PLEX8
3.87E-05 0|0	Cs8g20810.1/Cs8g208	3.77	0	0	2 MASCOT	T	
1.29E-02 0|0	Cs8g20810.1/Cs8g208	4.37	0 15.9	0	2 MASCOT	T	PLEX8
1.84E-03 0|0	Cs8g20810.1/Cs8g208	4.37	0	0	2 MASCOT	T	PLEX8
1.06E-06 0|0	Cs8g20810.1/Cs8g208	4.37	0	0	2 MASCOT	T	PLEX8
5.98E-03 0|0	Cs8g20810.1/Cs8g208	4.37	0	0	2 MASCOT	T	PLEX8
1.92E-06 0|0	Cs8g20810.1/Cs8g208	4.37	0	0	2 MASCOT	T	PLEX8
2.39E-01 0|0	Cs8g20810.1/Cs8g208	6.75	0 15.9	0	2 MASCOT	T	PLEX8
1.01E-04 0|0	Cs8g20810.1/Cs8g208	6.75	0	0	2 MASCOT	T	PLEX8
4.94E-04 0|0	Cs8g20810.1/Cs8g208	6.75	0	0	2 MASCOT	T	
1.18E-03 0|0	Cs8g20810.1/Cs8g208	6	0	0	2 MASCOT	T	
4.93E-01 0|0	Cs8g20810.1/Cs8g208	6	0	0	2 MASCOT	T	
1.86E-05 0|0	Cs8g20810.1/Cs8g208	6	0	0	2 MASCOT	T	
2.05E-02 0|0	Cs8g20810.1/Cs8g208	6	0	0	2 MASCOT	T	
1.05E-08 0|0	Cs8g20810.1/Cs8g208	6	0	0	2 MASCOT	T	
3.29E-04 0|0	Cs8g20810.1/Cs8g208	6	0	0	2 MASCOT	T	
8.06E-03 0|0	Cs8g20810.1/Cs8g208	4.54	0 15.9	0	2 MASCOT	T	PLEX8
7.52E-03 0|0	Cs8g20810.1/Cs8g208	4.54	0 15.9	0	2 MASCOT	T	PLEX8
3.58E-02 0|0	Cs8g20810.1/Cs8g208	4.54	0 15.9	0	2 MASCOT	T	PLEX8
1.26E-02 0|0	Cs8g20810.1/Cs8g208	4.54	0 15.9	0	2 MASCOT	T	PLEX8
6.38E-02 0|0	Cs8g20810.1/Cs8g208	4.54	0 15.9	0	2 MASCOT	T	PLEX8
7.12E-03 0|0	Cs8g20810.1/Cs8g208	4.54	0	0	2 MASCOT	T	PLEX8
1.70E-01 0|0	Cs8g20810.1/Cs8g208	4.54	0	0	2 MASCOT	T	PLEX8
3.16E-01 0|0	Cs8g20810.1/Cs8g208	4.54	0	0	2 MASCOT	T	PLEX8
2.28E-01 0|0	Cs2g16200.1/Cs2g162	9.8	0	0	2 MASCOT	T	PLEX8
7.47E-02 0|0	Cs2g16200.1/Cs2g162	9.8	0	0	2 MASCOT	T	PLEX8
3.42E-02 0|0	Cs2g16200.1/Cs2g162	4.21	0	0	2 MASCOT	T	PLEX8
8.89E-03 0|0	Cs2g16200.1/Cs2g162	4.21	0	0	2 MASCOT	T	PLEX8
3.97E-02 0|0	Cs2g16200.1/Cs2g162	4.03	0	0	2 MASCOT	T	PLEX8
6.53E-03 0|0	Cs2g16220.1/Cs2g162	6	0	0	2 MASCOT	T	PLEX8

4.49E-02	0|0	Cs2g16220.1/Cs2g162	6	0	0	2	MASCOT	T	PLEX8
9.51E-02	0|0	Cs2g16220.1/Cs2g162	6	0	0	2	MASCOT	T	PLEX8
4.37E-02	0|0	Cs2g16220.1/Cs2g162	6	0	0	2	MASCOT	T	PLEX8
9.53E-02	0|0	Cs2g16200.1/Cs2g162	8.59	0	0	2	MASCOT	T	PLEX8
8.41E-04	0|0	Cs2g16200.1/Cs2g162	8.59	0	0	2	MASCOT	T	PLEX8
6.70E-03	0|0	Cs2g16200.1/Cs2g162	8.59	0	0	2	MASCOT	T	PLEX8
2.18E-03	0|0	Cs2g16260.1/Cs2g162	5.21	0	0	2	MASCOT	T	
4.27E-02	0|0	Cs2g16200.1/Cs2g162	6.46	0	0	2	MASCOT	T	PLEX8
4.53E-02	0|0	Cs2g16200.1/Cs2g162	6.46	0	0	2	MASCOT	T	PLEX8
1.74E-01	0|0	Cs2g16200.1/Cs2g162	6.46	0	0	2	MASCOT	T	PLEX8
7.07E-02	0|0	Cs2g16200.1/Cs2g162	6.46	0	0	2	MASCOT	T	PLEX8
3.45E-01	0|0	Cs2g16200.1/Cs2g162	6.46	0	0	2	MASCOT	T	PLEX8
1.19E-02	0|0	Cs2g16200.1/Cs2g162	6.46	0	0	2	MASCOT	T	PLEX8
2.25E-03	0|0	Cs2g16200.1/Cs2g162	6.46	0	0	2	MASCOT	T	PLEX8
3.97E-03	0|0	Cs2g16240.1 ! Cs2g16	5.81	0	0	2	MASCOT	T	PLEX8
4.26E-02	0|0	Cs2g16240.1 ! Cs2g16	5.81	0	0	2	MASCOT	T	PLEX8
3.49E-02	0|0	Cs2g16240.1 ! Cs2g16	5.81	0	0	2	MASCOT	T	PLEX8
5.71E-02	0|0	Cs2g16240.1 ! Cs2g16	5.81	0	0	2	MASCOT	T	PLEX8
4.40E-02	0|0	Cs2g16240.1 ! Cs2g16	5.81	0	0	2	MASCOT	T	PLEX8
1.60E-03	0|0	Cs2g16240.1 ! Cs2g16	5.81	0	0	2	MASCOT	T	PLEX8
3.85E-01	0|0	Cs2g16240.1 ! Cs2g16	5.81	0	0	2	MASCOT	T	
8.27E-02	0|0	Cs2g16240.1 ! Cs2g16	5.81	0	0	2	MASCOT	T	PLEX8
1.18E-01	0|0	Cs2g16240.1 ! Cs2g16	5.81	0	0	2	MASCOT	T	PLEX8
1.63E-03	0|0	Cs2g16240.1 ! Cs2g16	5.81	0	0	2	MASCOT	T	PLEX8
1.00E-01	0|0	Cs2g16240.1 ! Cs2g16	5.81	0	0	2	MASCOT	T	PLEX8
5.04E-03	0|0	Cs2g16240.1 ! Cs2g16	5.81	0	0	2	MASCOT	T	PLEX8
2.20E-03	0|0	Cs2g16240.1 ! Cs2g16	5.81	0	0	2	MASCOT	T	PLEX8
2.29E-01	0|0	Cs2g16260.1/Cs2g162	6.1	0	0	2	MASCOT	T	PLEX8
2.25E-02	0|0	Cs2g16260.1/Cs2g162	6.72	0	0	2	MASCOT	T	PLEX8
1.33E-03	0|0	Cs2g16260.1/Cs2g162	6.72	0	0	2	MASCOT	T	PLEX8
7.82E-02	0|0	Cs2g16260.1/Cs2g162	6.72	0	0	2	MASCOT	T	PLEX8
8.89E-02	0|0	Cs2g16260.1/Cs2g162	6.72	0	0	2	MASCOT	T	PLEX8
1.59E-02	0|0	Cs2g16260.1/Cs2g162	4.53	0	0	2	MASCOT	T	PLEX8
6.45E-02	0|0	Cs2g16260.1/Cs2g162	4.53	0	0	2	MASCOT	T	PLEX8
6.24E-05	0|0	Cs3g18200.1/Cs3g182	5.4	0	0	2	MASCOT	T	PLEX8
2.58E-04	0|0	Cs3g18200.1/Cs3g182	5.4	0	0	2	MASCOT	T	PLEX8
2.91E-02	0|0	Cs3g18200.1/Cs3g182	5.4	0	0	2	MASCOT	T	PLEX8
1.95E-06	0|0	Cs3g18200.1/Cs3g182	5.4	0	0	2	MASCOT	T	
1.32E-07	0|0	Cs3g18200.1/Cs3g182	5.4	0	0	2	MASCOT	T	PLEX8
1.07E-07	0|0	Cs3g18200.1/Cs3g182	5.4	0	0	2	MASCOT	T	PLEX8
3.15E-04	0|0	Cs3g18200.1/Cs3g182	5.4	0	0	2	MASCOT	T	PLEX8
2.86E-01	0|0	Cs3g18200.1/Cs3g182	5.4	0	0	2	MASCOT	T	
9.69E-06	0|0	Cs3g18200.1/Cs3g182	5.4	0	0	2	MASCOT	T	PLEX8
6.43E-02	0|0	Cs3g18200.1/Cs3g182	5.4	0	0	2	MASCOT	T	
4.36E-02	0|0	Cs3g18200.1/Cs3g182	5.4	0	0	2	MASCOT	T	
1.72E-05	0|0	Cs3g18200.1/Cs3g182	5.4	0	0	2	MASCOT	T	
2.60E-06	0|0	Cs3g18200.1/Cs3g182	5.4	0	0	2	MASCOT	T	
3.77E-05	0|0	Cs3g18200.1/Cs3g182	5.4	0	0	2	MASCOT	T	
1.33E-04	0|0	Cs3g18200.1/Cs3g182	5.4	0	0	2	MASCOT	T	
2.02E-01	0|0	Cs1g20220.1/Cs1g202	5.84	0	0	2	MASCOT	T	
5.22E-02	0|0	Cs3g18200.1/Cs3g182	5.32	0	0	2	MASCOT	T	PLEX8

2.11E-02	0|0	Cs3g18200.1/Cs3g182	5.32	0	0	2	MASCOT	T	PLEX8
1.28E-01	0|0	Cs3g18200.1/Cs3g182	5.32	0	0	2	MASCOT	T	PLEX8
1.01E-01	0|0	Cs3g18200.1/Cs3g182	6	0	0	2	MASCOT	T	
1.53E-01	0|0	Cs1g20220.1/Cs1g202	4.53	0	0	2	MASCOT	T	PLEX8
1.33E-02	0|0	Cs3g18200.1/Cs3g182	7.01	0	0	2	MASCOT	T	PLEX8
1.10E-01	0|0	Cs3g18200.1/Cs3g182	7.01	0	0	2	MASCOT	T	PLEX8
7.03E-02	0|0	Cs3g18200.1/Cs3g182	7.01	0	0	2	MASCOT	T	
1.50E-01	0|0	Cs1g20220.1/Cs1g202	6	0	0	2	MASCOT	T	PLEX8
4.76E-02	0|0	Cs1g20220.1/Cs1g202	6	0	0	2	MASCOT	T	PLEX8
1.01E-01	0|0	Cs1g20220.1/Cs1g202	6	0	0	2	MASCOT	T	PLEX8
1.31E-02	0|0	Cs1g20220.1/Cs1g202	6	0	0	2	MASCOT	T	PLEX8
1.41E-01	0|0	Cs1g20220.1/Cs1g202	6	0	0	2	MASCOT	T	PLEX8
5.84E-01	0|0	Cs1g20220.1/Cs1g202	6	0	0	2	MASCOT	T	PLEX8
1.49E-01	0|0	Cs3g18200.1/Cs3g182	8.59	0	0	2	MASCOT	T	PLEX8
1.10E-01	0|0	Cs3g18200.1/Cs3g182	8.59	0	0	2	MASCOT	T	PLEX8
1.48E-01	0|0	Cs3g18200.1/Cs3g182	8.59	0	0	2	MASCOT	T	PLEX8
1.28E-01	0|0	Cs3g18200.1/Cs3g182	4.14	0	0	2	MASCOT	T	PLEX8
1.02E-03	0|0	Cs3g18200.1/Cs3g182	4.14	0	0	2	MASCOT	T	PLEX8
1.92E-03	0|0	Cs3g18200.1/Cs3g182	4.14	0	0	2	MASCOT	T	PLEX8
5.47E-02	0|0	Cs3g18200.1/Cs3g182	4.14	0	0	2	MASCOT	T	PLEX8
2.10E-01	0|0	Cs1g20220.1/Cs1g202	6	0	0	2	MASCOT	T	
3.14E-01	0|0	Cs1g20220.1/Cs1g202	6	0	0	2	MASCOT	T	
2.52E-01	0|0	Cs1g20220.1/Cs1g202	6	0	0	2	MASCOT	T	
2.67E-02	0|0	Cs3g17610.1/Cs3g176	4.1	0	0	2	MASCOT	T	PLEX8
4.47E-02	0|0	Cs3g17610.1/Cs3g176	4.1	0	0	2	MASCOT	T	
2.22E-02	0|0	Cs3g17610.1/Cs3g176	4.1	0	0	2	MASCOT	T	PLEX8
1.14E-02	0|0	Cs3g17610.1/Cs3g176	4.1	0	0	2	MASCOT	T	PLEX8
9.70E-04	0|0	Cs3g17610.1/Cs3g176	4.1	0	0	2	MASCOT	T	PLEX8
8.87E-02	0|0	Cs3g17610.1/Cs3g176	4.1	0	0	2	MASCOT	T	PLEX8
8.30E-02	0|0	Cs3g17610.1/Cs3g176	4.1	0	0	2	MASCOT	T	
1.15E-03	0|0	Cs3g17610.1/Cs3g176	4.1	0	0	2	MASCOT	T	
9.41E-02	0|0	Cs3g17610.1/Cs3g176	6	0	0	2	MASCOT	T	
4.71E-02	0|0	Cs3g17610.3	5.32	0	0	2	MASCOT	T	PLEX8
3.05E-03	0|0	Cs3g17610.3	5.32	0	0	2	MASCOT	T	
5.74E-03	0|0	Cs3g17610.3	5.32	0	0	2	MASCOT	T	
1.60E-01	0|0	Cs3g17610.1/Cs3g176	8.75	0	0	2	MASCOT	T	PLEX8
8.90E-04	0|0	Cs3g17610.1/Cs3g176	8.75	0	0	2	MASCOT	T	PLEX8
3.94E-03	0|0	Cs3g17610.1/Cs3g176	8.75	0	0	2	MASCOT	T	PLEX8
9.06E-03	0|0	Cs3g17610.1/Cs3g176	4.03	0	0	2	MASCOT	T	PLEX8
1.65E-04	0|0	Cs3g17610.1/Cs3g176	4.03	0	0	2	MASCOT	T	PLEX8
2.57E-05	0|0	Cs3g17610.1/Cs3g176	4.03	0	0	2	MASCOT	T	
4.38E-02	0|0	Cs3g17610.1/Cs3g176	4.03	0	0	2	MASCOT	T	PLEX8
7.67E-05	0|0	Cs3g17610.1/Cs3g176	4.03	0	0	2	MASCOT	T	PLEX8
5.70E-02	0|0	Cs3g17610.1/Cs3g176	4.03	0	0	2	MASCOT	T	
2.05E-02	0|0	Cs3g17610.1/Cs3g176	4.03	0	0	2	MASCOT	T	
6.74E-05	0|0	Cs3g17610.1/Cs3g176	4.03	0	0	2	MASCOT	T	
3.70E-03	0|0	Cs3g17610.1/Cs3g176	4.14	0	0	2	MASCOT	T	PLEX8
9.82E-02	0|0	Cs3g17610.1/Cs3g176	4.14	0	0	2	MASCOT	T	PLEX8
1.64E-03	0|0	Cs3g17610.1/Cs3g176	4.14	0	0	2	MASCOT	T	PLEX8
5.09E-02	0|0	Cs3g17610.1/Cs3g176	8.75	0	0	2	MASCOT	T	PLEX8
1.33E-01	0|0	Cs3g17610.1/Cs3g176	8.75	0	0	2	MASCOT	T	PLEX8

1.20E-01	0|0	Cs3g17610.1/Cs3g176	5.83	0	0	2	MASCOT	T	PLEX8	
9.44E-02	0|0	Cs3g17610.1/Cs3g176	5.83	0	0	2	MASCOT	T	PLEX8	
8.47E-03	0|0	Cs3g17610.1/Cs3g176	5.83	0	0	2	MASCOT	T	PLEX8	
1.03E-01	0|0	Cs3g17610.1/Cs3g176	5.32	0	0	2	MASCOT	T	PLEX8	
2.58E-02	0|0	Cs3g17610.1/Cs3g176	5.32	0	0	2	MASCOT	T	PLEX8	
3.59E-01	0|0	Cs3g17610.1/Cs3g176	5.32	0	0	2	MASCOT	T	PLEX8	
2.54E-02	0|0	Cs3g17610.1/Cs3g176	5.32	0	0	2	MASCOT	T	PLEX8	
1.09E-01	0|0	Cs3g17610.1/Cs3g176	5.32	0	0	2	MASCOT	T		
5.43E-02	0|0	Cs3g17610.1/Cs3g176	5.32	0	0	2	MASCOT	T	PLEX8	
1.09E-01	0|0	Cs3g17610.2/Cs3g176	6	0	0	2	MASCOT	T	PLEX8	
5.16E-02	0|0	Cs3g17610.1/Cs3g176	5.4	0	0	2	MASCOT	T		
2.52E-02	0|0	Cs3g17990.1	5.32	0	0	2	MASCOT	T		
3.36E-05	0|0	Cs3g17990.1	5.32	0	0	2	MASCOT	T	PLEX8	
1.49E-01	0|0	Cs3g17990.1	5.32	0	0	2	MASCOT	T	PLEX8	
3.23E-07	0|0	Cs3g17990.1	5.32	0	0	2	MASCOT	T		
2.02E-01	0|0	Cs1g20220.1/Cs1g202	5.84	0	0	2	MASCOT	T		
1.99E-03	0|0	Cs3g17990.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.53E-01	0|0	Cs1g20220.1/Cs1g202	4.53	0	0	2	MASCOT	T	PLEX8	
4.82E-02	0|0	Cs3g17990.1/Cs6g036	4.53	0	0	2	MASCOT	T	PLEX8	
1.30E-02	0|0	Cs3g17990.1/Cs6g036	4.53	0	0	2	MASCOT	T	PLEX8	
1.55E-01	0|0	Cs3g17990.1/Cs6g036	4.53	0	0	2	MASCOT	T	PLEX8	
3.80E-02	0|0	Cs3g17990.1/Cs6g036	4.53	0	0	2	MASCOT	T	PLEX8	
1.34E-02	0|0	Cs3g17990.1	5.32	0	0	2	MASCOT	T	PLEX8	
2.09E-01	0|0	Cs3g17990.1	5.32	0	0	2	MASCOT	T	PLEX8	
5.93E-03	0|0	Cs3g17990.1	5.32	0	0	2	MASCOT	T		
1.50E-01	0|0	Cs1g20220.1/Cs1g202	6	0	0	2	MASCOT	T	PLEX8	
4.76E-02	0|0	Cs1g20220.1/Cs1g202	6	0	0	2	MASCOT	T	PLEX8	
1.01E-01	0|0	Cs1g20220.1/Cs1g202	6	0	0	2	MASCOT	T	PLEX8	
1.31E-02	0|0	Cs1g20220.1/Cs1g202	6	0	0	2	MASCOT	T	PLEX8	
1.41E-01	0|0	Cs1g20220.1/Cs1g202	6	0	0	2	MASCOT	T	PLEX8	
5.84E-01	0|0	Cs1g20220.1/Cs1g202	6	0	0	2	MASCOT	T	PLEX8	
9.58E-02	0|0	Cs3g17990.1	6.14	1	0	2	MASCOT	T	PLEX8	
2.16E-01	0|0	Cs1g20220.1/Cs1g202	8.59	0	0	2	MASCOT	T	PLEX8	
7.83E-03	0|0	Cs1g20220.1/Cs1g202	8.59	0	0	2	MASCOT	T	PLEX8	
2.11E-02	0|0	Cs1g20220.1/Cs1g202	8.59	0	0	2	MASCOT	T	PLEX8	
4.75E-02	0|0	Cs1g20220.1/Cs1g202	8.59	0	0	2	MASCOT	T	PLEX8	
2.21E-01	0|0	Cs1g20220.1/Cs1g202	8.59	0	0	2	MASCOT	T	PLEX8	
4.29E-03	0|0	Cs1g20220.1/Cs1g202	8.59	0	0	2	MASCOT	T	PLEX8	
1.78E-02	0|0	Cs1g20220.1/Cs1g202	8.59	0	0	2	MASCOT	T	PLEX8	
1.09E-01	0|0	Cs1g20220.1/Cs1g202	8.59	0	0	2	MASCOT	T	PLEX8	
4.07E-02	0|0	Cs1g20220.1/Cs1g202	8.59	0	0	2	MASCOT	T	PLEX8	
5.17E-02	0|0	Cs1g20220.1/Cs1g202	8.59	0	0	2	MASCOT	T		
5.08E-02	0|0	Cs1g20220.1/Cs1g202	8.59	0	0	2	MASCOT	T		
1.08E-01	0|0	Cs3g17990.1/Cs6g188	4.09	0	15.9	0	2	MASCOT	T	PLEX8
1.11E-04	0|0	Cs3g17990.1/Cs6g188	4.09	0	0	2	MASCOT	T	PLEX8	
9.81E-02	0|0	Cs3g17990.1/Cs6g188	4.09	0	0	2	MASCOT	T	PLEX8	
2.10E-01	0|0	Cs1g20220.1/Cs1g202	6	0	0	2	MASCOT	T		
3.14E-01	0|0	Cs1g20220.1/Cs1g202	6	0	0	2	MASCOT	T		
2.52E-01	0|0	Cs1g20220.1/Cs1g202	6	0	0	2	MASCOT	T		
2.28E-01	0|0	Cs2g16200.1/Cs2g162	9.8	0	0	2	MASCOT	T	PLEX8	
7.47E-02	0|0	Cs2g16200.1/Cs2g162	9.8	0	0	2	MASCOT	T	PLEX8	

3.42E-02	0|0	Cs2g16200.1/Cs2g162	4.21	0	0	2	MASCOT	T	PLEX8
8.89E-03	0|0	Cs2g16200.1/Cs2g162	4.21	0	0	2	MASCOT	T	PLEX8
3.97E-02	0|0	Cs2g16200.1/Cs2g162	4.03	0	0	2	MASCOT	T	PLEX8
3.86E-04	0|0	Cs2g16200.1/Cs2g162	4.25	0	0	2	MASCOT	T	PLEX8
2.08E-03	0|0	Cs2g16200.1/Cs2g162	4.25	0	0	2	MASCOT	T	PLEX8
2.38E-01	0|0	Cs2g16200.1/Cs2g162	4.25	0	0	2	MASCOT	T	PLEX8
6.18E-03	0|0	Cs2g16200.1/Cs2g162	4.25	0	0	2	MASCOT	T	PLEX8
1.17E-01	0|0	Cs2g16200.1/Cs2g162	8.75	0	0	2	MASCOT	T	PLEX8
1.14E-01	0|0	Cs2g16200.1/Cs2g162	8.75	0	0	2	MASCOT	T	PLEX8
1.75E-01	0|0	Cs2g16200.1/Cs2g162	8.75	0	0	2	MASCOT	T	PLEX8
9.53E-02	0|0	Cs2g16200.1/Cs2g162	8.59	0	0	2	MASCOT	T	PLEX8
8.41E-04	0|0	Cs2g16200.1/Cs2g162	8.59	0	0	2	MASCOT	T	PLEX8
6.70E-03	0|0	Cs2g16200.1/Cs2g162	8.59	0	0	2	MASCOT	T	PLEX8
4.45E-01	0|0	Cs2g16200.1/Cs2g162	6.75	0	0	2	MASCOT	T	PLEX8
1.74E-01	0|0	Cs2g16200.1/Cs2g162	6.75	0	0	2	MASCOT	T	PLEX8
4.98E-04	0|0	Cs2g16200.1/Cs2g162	6.75	0	0	2	MASCOT	T	PLEX8
8.04E-04	0|0	Cs2g16200.1/Cs2g162	6.75	0	0	2	MASCOT	T	PLEX8
4.27E-02	0|0	Cs2g16200.1/Cs2g162	6.46	0	0	2	MASCOT	T	PLEX8
4.53E-02	0|0	Cs2g16200.1/Cs2g162	6.46	0	0	2	MASCOT	T	PLEX8
1.74E-01	0|0	Cs2g16200.1/Cs2g162	6.46	0	0	2	MASCOT	T	PLEX8
7.07E-02	0|0	Cs2g16200.1/Cs2g162	6.46	0	0	2	MASCOT	T	PLEX8
3.45E-01	0|0	Cs2g16200.1/Cs2g162	6.46	0	0	2	MASCOT	T	PLEX8
1.19E-02	0|0	Cs2g16200.1/Cs2g162	6.46	0	0	2	MASCOT	T	PLEX8
2.25E-03	0|0	Cs2g16200.1/Cs2g162	6.46	0	0	2	MASCOT	T	PLEX8
1.83E-01	0|0	Cs2g16200.1/Cs2g162	5.55	0	0	2	MASCOT	T	PLEX8
2.10E-01	0|0	Cs2g16200.1/Cs2g162	5.81	0	0	2	MASCOT	T	PLEX8
3.57E-02	0|0	Cs2g16200.1/Cs2g162	5.81	0	0	2	MASCOT	T	PLEX8
5.21E-02	0|0	Cs2g16200.1/Cs2g162	5.81	0	0	2	MASCOT	T	PLEX8
2.48E-04	0|0	Cs2g16200.1/Cs2g162	5.81	0	0	2	MASCOT	T	PLEX8
3.31E-01	0|0	Cs2g16200.1/Cs2g162	5.81	0	0	2	MASCOT	T	PLEX8
7.43E-02	0|0	Cs2g16200.1/orange1.	4.53	0	0	2	MASCOT	T	PLEX8
4.23E-02	0|0	Cs2g16200.1/orange1.	4.53	0	0	2	MASCOT	T	PLEX8
2.66E-02	0|0	Cs2g16200.1/orange1.	4.53	0	0	2	MASCOT	T	PLEX8
7.03E-02	0|0	Cs6g06660.1/Cs6g066	4.53	0	0	2	MASCOT	T	PLEX8
2.16E-02	0|0	Cs6g06660.1/Cs6g066	4.53	0	0	2	MASCOT	T	PLEX8
1.10E-01	0|0	Cs6g06660.1/Cs6g066	8.75	0	0	2	MASCOT	T	PLEX8
6.07E-02	0|0	Cs6g06660.1/Cs6g066	8.75	0	0	2	MASCOT	T	PLEX8
1.16E-02	0|0	Cs6g06660.1/Cs6g066	8.75	0	0	2	MASCOT	T	PLEX8
1.03E-01	0|0	Cs6g06660.1/Cs6g066	8.75	0	0	2	MASCOT	T	PLEX8
5.08E-02	0|0	Cs6g06660.1/Cs6g066	8.75	0	0	2	MASCOT	T	PLEX8
1.04E-01	0|0	Cs6g06660.1/Cs6g066	8.75	0	0	2	MASCOT	T	
2.67E-02	0|0	Cs6g06660.1/Cs6g066	5.72	0	0	2	MASCOT	T	PLEX8
1.49E-01	0|0	Cs6g06660.1/Cs6g066	5.72	0	0	2	MASCOT	T	PLEX8
2.20E-01	0|0	Cs6g06660.1/Cs6g066	5.72	0	0	2	MASCOT	T	PLEX8
1.29E-01	0|0	Cs6g06660.1/Cs6g066	5.72	0	0	2	MASCOT	T	PLEX8
1.07E-01	0|0	Cs6g06660.1/Cs6g066	5.72	0	0	2	MASCOT	T	PLEX8
2.67E-02	0|0	Cs6g06660.1/Cs6g066	5.72	0	0	2	MASCOT	T	PLEX8
1.53E-02	0|0	Cs6g06660.1/Cs6g066	5.72	0	0	2	MASCOT	T	PLEX8
1.15E-02	0|0	Cs6g06660.1/Cs6g066	8.72	0	0	2	MASCOT	T	PLEX8
4.22E-02	0|0	Cs6g06660.1	4.03	0	0	2	MASCOT	T	
4.10E-01	0|0	Cs6g06660.1/Cs6g066	8.73	0	0	2	MASCOT	T	PLEX8

9.06E-02	0|0	Cs6g06660.1/Cs6g066	8.73	0	0	2	MASCOT	T	PLEX8	
5.85E-02	0|0	Cs6g06660.1/Cs6g066	8.73	0	0	2	MASCOT	T	PLEX8	
1.33E-01	0|0	Cs6g06660.1/Cs6g066	4.53	0	0	2	MASCOT	T	PLEX8	
9.89E-02	0|0	Cs6g06660.1/Cs6g066	4.53	0	0	2	MASCOT	T	PLEX8	
4.83E-04	0|0	Cs6g06660.1/Cs6g066	3.84	0	0	2	MASCOT	T		
1.64E-07	0|0	Cs6g06660.1/Cs6g066	3.84	0	0	2	MASCOT	T		
2.96E-04	0|0	Cs6g06660.1/Cs6g066	3.84	0	0	2	MASCOT	T		
1.54E-02	0|0	Cs6g06660.1/Cs6g066	3.84	0	0	2	MASCOT	T	PLEX8	
3.79E-05	0|0	Cs6g06660.1/Cs6g066	3.84	0	0	2	MASCOT	T	PLEX8	
2.64E-03	0|0	Cs6g06660.1/Cs6g066	3.84	0	0	2	MASCOT	T	PLEX8	
1.77E-03	0|0	Cs6g06660.1/Cs6g066	8.25	0	0	2	MASCOT	T	PLEX8	
8.14E-02	0|0	Cs6g06660.1/Cs6g066	4.53	0	15.9	0	2	MASCOT	T	PLEX8
1.37E-02	0|0	Cs6g06660.1/Cs6g066	4.53	0	15.9	0	2	MASCOT	T	PLEX8
1.66E-04	0|0	Cs6g06660.1/Cs6g066	4.53	0	0	2	MASCOT	T	PLEX8	
8.42E-02	0|0	Cs6g06660.1/Cs6g066	4.03	0	0	2	MASCOT	T	PLEX8	
8.82E-02	0|0	Cs6g06660.1/Cs6g066	4.03	0	0	2	MASCOT	T		
9.75E-02	0|0	Cs6g06660.1/Cs6g066	4.03	0	0	2	MASCOT	T	PLEX8	
1.99E-02	0|0	orange1.1t03078.2/ora	4.37	0	0	2	MASCOT	T	PLEX8	
1.60E-03	0|0	orange1.1t03078.2/ora	4.37	0	0	2	MASCOT	T	PLEX8	
3.98E-03	0|0	orange1.1t03078.2/ora	4.37	0	0	2	MASCOT	T	PLEX8	
2.47E-04	0|0	orange1.1t03078.2/ora	4.37	0	0	2	MASCOT	T	PLEX8	
1.62E-02	0|0	orange1.1t03078.2/ora	4.37	0	0	2	MASCOT	T	PLEX8	
1.03E-03	0|0	orange1.1t03078.2/ora	4.37	0	0	2	MASCOT	T	PLEX8	
1.30E-02	0|0	orange1.1t03078.1/ora	8.27	0	0	2	MASCOT	T	PLEX8	
6.53E-02	0|0	orange1.1t03078.1/ora	4.68	1	0	2	MASCOT	T	PLEX8	
4.33E-03	0|0	orange1.1t03078.1/ora	4.14	0	0	2	MASCOT	T	PLEX8	
4.47E-02	0|0	orange1.1t03078.1/ora	6.84	0	0	2	MASCOT	T		
2.17E-03	0|0	orange1.1t03078.1/ora	6.84	0	0	2	MASCOT	T		
4.98E-02	0|0	orange1.1t03078.1/ora	6.84	0	0	2	MASCOT	T		
3.33E-02	0|0	orange1.1t03078.1/ora	6.84	0	0	2	MASCOT	T	PLEX8	
2.23E-03	0|0	orange1.1t03078.1/ora	4.14	0	0	2	MASCOT	T	PLEX8	
7.08E-02	0|0	orange1.1t03078.1/ora	4.14	0	0	2	MASCOT	T		
8.16E-03	0|0	orange1.1t03078.1/ora	4.14	0	0	2	MASCOT	T		
1.15E-02	0|0	orange1.1t03078.1/ora	4.14	0	0	2	MASCOT	T		
4.96E-03	0|0	orange1.1t03078.1/ora	4.14	0	0	2	MASCOT	T		
3.14E-04	0|0	orange1.1t03078.1/ora	4.14	0	0	2	MASCOT	T		
1.58E-03	0|0	orange1.1t03078.2/ora	4.03	0	0	2	MASCOT	T	PLEX8	
7.98E-02	0|0	orange1.1t03078.2/ora	4.03	0	0	2	MASCOT	T	PLEX8	
2.17E-02	0|0	orange1.1t03078.2/ora	4.03	0	0	2	MASCOT	T	PLEX8	
1.42E-03	0|0	orange1.1t03078.2/ora	4.03	0	0	2	MASCOT	T		
2.79E-03	0|0	orange1.1t03078.2/ora	4.03	0	0	2	MASCOT	T		
1.19E-02	0|0	orange1.1t03078.1/ora	4.37	0	15.9	0	2	MASCOT	T	
2.56E-03	0|0	orange1.1t03078.1/ora	4.37	0	0	2	MASCOT	T		
1.24E-01	0|0	orange1.1t03078.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
2.19E-03	0|0	orange1.1t03078.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
7.33E-05	0|0	orange1.1t03078.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
6.52E-03	0|0	orange1.1t03078.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
2.87E-02	0|0	orange1.1t03078.1/ora	4.37	0	0	2	MASCOT	T		
1.14E-01	0|0	orange1.1t03078.1/ora	6.71	0	0	2	MASCOT	T	PLEX8	
5.39E-02	0|0	orange1.1t03078.1/ora	6.71	0	0	2	MASCOT	T	PLEX8	
5.69E-03	0|0	orange1.1t03078.1/ora	5.81	0	0	2	MASCOT	T		

1.92E-01	0|0	orange1.1t03078.1/ora	5.81	0	0	2	MASCOT	T		
1.89E-02	0|0	Cs1g19720.1/Cs1g197	4.53	0	0	2	MASCOT	T	PLEX8	
5.40E-02	0|0	Cs1g19720.1/Cs1g197	4.53	0	0	2	MASCOT	T	PLEX8	
7.01E-02	0|0	Cs1g19720.1/Cs1g197	4.53	0	0	2	MASCOT	T	PLEX8	
3.33E-01	0|0	Cs1g19720.1/Cs1g197	4.53	0	0	2	MASCOT	T	PLEX8	
1.98E-02	0|0	Cs1g19720.1/Cs1g197	4.53	0	0	2	MASCOT	T	PLEX8	
3.06E-01	0|0	Cs1g19720.1/Cs1g197	4.53	0	0	2	MASCOT	T	PLEX8	
8.02E-02	0|0	Cs1g19720.1/Cs1g197	4.18	1	0	2	MASCOT	T	PLEX8	
4.70E-02	0|0	Cs1g19720.1/Cs1g197	4.18	1	0	2	MASCOT	T	PLEX8	
4.93E-04	0|0	Cs1g19720.1/Cs1g197	4.18	1	0	2	MASCOT	T		
5.70E-02	0|0	Cs1g19720.1/Cs1g197	8.75	0	0	2	MASCOT	T	PLEX8	
4.01E-01	0|0	Cs1g19720.1/Cs1g197	8.75	0	0	2	MASCOT	T	PLEX8	
1.74E-01	0|0	Cs1g19720.1/Cs1g197	8.75	0	15.9	0	2	MASCOT	T	PLEX8
4.78E-03	0|0	Cs1g19720.1/Cs1g197	4.37	0	0	2	MASCOT	T		
4.33E-02	0|0	Cs1g19720.1/Cs1g197	4.14	0	0	2	MASCOT	T	PLEX8	
5.08E-03	0|0	Cs1g19720.1/Cs1g197	4.14	0	0	2	MASCOT	T		
5.29E-05	0|0	Cs1g19720.1/Cs1g197	4.14	0	0	2	MASCOT	T	PLEX8	
1.30E-02	0|0	Cs1g19720.1/Cs1g197	4.14	0	0	2	MASCOT	T		
5.07E-03	0|0	Cs1g19720.1/Cs1g197	4.14	0	0	2	MASCOT	T	PLEX8	
1.57E-04	0|0	Cs1g19720.1/Cs1g197	4.14	0	0	2	MASCOT	T	PLEX8	
8.93E-03	0|0	Cs1g19720.1/Cs1g197	5.81	0	0	2	MASCOT	T	PLEX8	
2.51E-03	0|0	Cs1g19720.1/Cs1g197	5.81	0	0	2	MASCOT	T	PLEX8	
6.31E-02	0|0	Cs1g19720.1/Cs1g197	6	0	0	2	MASCOT	T		
3.13E-01	0|0	Cs1g19720.1/Cs1g197	6	0	0	2	MASCOT	T	PLEX8	
2.83E-01	0|0	Cs1g19720.1/Cs1g197	6	0	0	2	MASCOT	T		
3.87E-01	0|0	Cs1g19720.1/Cs1g197	5.83	0	0	2	MASCOT	T	PLEX8	
2.43E-02	0|0	Cs1g19720.1/Cs1g197	5.83	0	0	2	MASCOT	T	PLEX8	
1.28E-01	0|0	Cs1g19720.1/Cs1g197	5.83	0	0	2	MASCOT	T	PLEX8	
3.20E-02	0|0	Cs1g19720.1/Cs1g197	4.68	1	0	2	MASCOT	T	PLEX8	
1.25E-02	0|0	Cs1g19720.1/Cs1g197	4.68	1	0	2	MASCOT	T		
5.09E-02	0|0	Cs1g19720.1/Cs1g197	4.68	1	0	2	MASCOT	T	PLEX8	
2.30E-03	0|0	Cs1g19720.1/Cs1g197	4.68	1	0	2	MASCOT	T		
1.32E-02	0|0	Cs1g19720.1/Cs1g197	4.68	1	0	2	MASCOT	T	PLEX8	
6.83E-02	0|0	Cs1g19720.1/Cs1g197	5.97	0	0	2	MASCOT	T	PLEX8	
4.25E-02	0|0	Cs7g21650.1/Cs7g216	8.8	0	0	2	MASCOT	T	PLEX8	
3.79E-02	0|0	Cs7g21650.1/Cs7g216	8.8	0	0	2	MASCOT	T	PLEX8	
6.63E-03	0|0	Cs7g21650.1/Cs7g216	8.8	0	0	2	MASCOT	T	PLEX8	
2.78E-04	0|0	Cs7g21650.1/Cs7g216	4.22	0	0	2	MASCOT	T	PLEX8	
3.22E-04	0|0	Cs7g21650.1/Cs7g216	4.22	0	0	2	MASCOT	T	PLEX8	
4.18E-02	0|0	Cs7g21650.1/Cs7g216	4.22	0	0	2	MASCOT	T	PLEX8	
9.79E-02	0|0	Cs7g21650.1/Cs7g216	6.1	0	0	2	MASCOT	T	PLEX8	
3.03E-02	0|0	Cs7g21650.1/Cs7g216	6.1	0	0	2	MASCOT	T	PLEX8	
1.35E-01	0|0	Cs7g21650.1/Cs7g216	4.14	0	0	2	MASCOT	T	PLEX8	
1.52E-03	0|0	Cs7g21650.1/Cs7g216	5.55	0	0	2	MASCOT	T		
2.37E-04	0|0	Cs7g21650.1/Cs7g216	5.55	0	0	2	MASCOT	T		
2.00E-02	0|0	Cs7g21650.1/Cs7g216	5.55	0	0	2	MASCOT	T		
1.71E-03	0|0	Cs7g21650.1/Cs7g216	5.55	0	0	2	MASCOT	T		
2.51E-09	0|0	Cs7g21650.1/Cs7g216	5.55	0	0	2	MASCOT	T		
5.02E-03	0|0	Cs7g21650.1/Cs7g216	5.18	0	0	2	MASCOT	T	PLEX8	
4.67E-03	0|0	Cs7g21650.1/Cs7g216	5.18	0	0	2	MASCOT	T	PLEX8	
7.06E-04	0|0	Cs7g21650.1/Cs7g216	5.18	0	0	2	MASCOT	T	PLEX8	

1.37E-01	0|0	Cs7g21650.1/Cs7g216	5.18	0	0	2	MASCOT	T	PLEX8	
2.79E-04	0|0	Cs7g21650.1/Cs7g216	5.18	0	0	2	MASCOT	T	PLEX8	
4.74E-04	0|0	Cs7g21650.1/Cs7g216	5.18	0	0	2	MASCOT	T	PLEX8	
8.85E-02	0|0	Cs7g21650.1/Cs7g216	6	0	0	2	MASCOT	T	PLEX8	
7.04E-02	0|0	Cs7g21650.1/Cs7g216	6	0	0	2	MASCOT	T	PLEX8	
1.93E-01	0|0	Cs7g21650.1/Cs7g216	6	0	0	2	MASCOT	T	PLEX8	
4.00E-02	0|0	Cs7g21650.1/Cs7g216	6	0	0	2	MASCOT	T	PLEX8	
3.15E-04	0|0	Cs7g21650.1/Cs7g216	4.37	0	0	2	MASCOT	T	PLEX8	
2.96E-03	0|0	Cs7g21650.1/Cs7g216	4.37	0	0	2	MASCOT	T	PLEX8	
2.63E-02	0|0	Cs7g21650.1/Cs7g216	4.37	0	0	2	MASCOT	T	PLEX8	
9.86E-04	0|0	Cs7g21650.1/Cs7g216	4.37	0	0	2	MASCOT	T	PLEX8	
6.75E-03	0|0	Cs7g21650.1/Cs7g216	3.93	0	0	2	MASCOT	T		
2.41E-02	0|0	Cs7g21650.1/Cs7g216	3.93	0	0	2	MASCOT	T	PLEX8	
1.13E-02	0|0	Cs7g21650.1/Cs7g216	8.23	0	0	2	MASCOT	T		
1.30E-01	0|0	Cs7g21650.1/Cs7g216	8.23	0	0	2	MASCOT	T		
8.48E-02	0|0	Cs3g06370.1/Cs3g155	5.32	0	15.9	0	2	MASCOT	T	PLEX8
2.33E-03	0|0	Cs3g06370.1/Cs3g155	5.32	0	15.9	0	2	MASCOT	T	PLEX8
7.21E-02	0|0	Cs3g06370.1/Cs3g155	5.32	0	0	2	MASCOT	T	PLEX8	
1.04E-01	0|0	Cs3g15530.1/orange1.	5.32	0	0	2	MASCOT	T		
3.58E-04	0|0	Cs3g15530.1	4.37	0	0	2	MASCOT	T	PLEX8	
2.40E-05	0|0	Cs3g15530.1	4.37	0	0	2	MASCOT	T	PLEX8	
4.93E-02	0|0	Cs3g15530.1	4.37	0	0	2	MASCOT	T	PLEX8	
9.33E-02	0|0	Cs3g15530.1	6.06	1	0	2	MASCOT	T	PLEX8	
2.22E-03	0|0	Cs3g06370.1/Cs3g155	9.8	0	0	2	MASCOT	T	PLEX8	
1.92E-01	0|0	Cs3g06370.1/Cs3g155	9.8	0	0	2	MASCOT	T	PLEX8	
4.70E-02	0|0	Cs3g06370.1/Cs3g155	9.8	0	0	2	MASCOT	T	PLEX8	
1.61E-03	0|0	Cs3g06370.1/Cs3g155	9.8	0	0	2	MASCOT	T	PLEX8	
1.33E-04	0|0	Cs3g06370.1/Cs3g155	9.8	0	0	2	MASCOT	T	PLEX8	
2.04E-03	0|0	Cs3g06370.1/Cs3g155	9.8	0	0	2	MASCOT	T	PLEX8	
4.61E-02	0|0	Cs3g06370.1/Cs3g155	9.8	0	0	2	MASCOT	T	PLEX8	
2.02E-01	0|0	Cs3g06370.1/Cs3g155	9.8	0	0	2	MASCOT	T	PLEX8	
5.64E-02	0|0	Cs3g06370.1/Cs3g155	4.53	0	0	2	MASCOT	T	PLEX8	
2.05E-02	0|0	Cs3g15530.1	5.83	0	0	2	MASCOT	T	PLEX8	
4.55E-02	0|0	Cs3g15530.1	6.75	0	0	2	MASCOT	T	PLEX8	
2.93E-03	0|0	Cs3g15530.1	6.75	0	0	2	MASCOT	T		
2.89E-03	0|0	Cs3g06370.1/Cs3g155	6.74	0	0	2	MASCOT	T	PLEX8	
1.99E-02	0|0	Cs3g06370.1/Cs3g155	6.74	0	0	2	MASCOT	T	PLEX8	
4.32E-02	0|0	Cs3g06370.1/Cs3g155	6.74	0	0	2	MASCOT	T		
6.00E-02	0|0	Cs3g06370.1/Cs3g155	6.74	0	0	2	MASCOT	T		
7.72E-02	0|0	Cs3g06370.1/Cs3g155	6.74	0	0	2	MASCOT	T	PLEX8	
3.35E-02	0|0	Cs3g06370.1/Cs3g155	6.74	0	0	2	MASCOT	T		
5.21E-02	0|0	Cs3g06370.1/Cs3g155	6.74	0	0	2	MASCOT	T		
1.51E-01	0|0	Cs3g15530.1/Cs3g155	8.59	0	0	2	MASCOT	T	PLEX8	
2.08E-01	0|0	Cs3g15530.1/Cs3g155	8.59	0	0	2	MASCOT	T		
2.67E-01	0|0	Cs3g15530.1/Cs3g155	8.59	0	0	2	MASCOT	T	PLEX8	
3.38E-01	0|0	Cs3g06370.1/Cs3g155	8.46	0	0	2	MASCOT	T	PLEX8	
1.14E-02	0|0	Cs5g03610.1/Cs5g036	5.84	0	0	2	MASCOT	T	PLEX8	
2.74E-01	0|0	Cs5g03610.1/Cs5g036	6.16	0	0	2	MASCOT	T	PLEX8	
8.80E-02	0|0	Cs5g03610.1/Cs5g036	4.25	0	0	2	MASCOT	T		
3.51E-02	0|0	Cs5g03610.1/Cs5g036	4.25	0	0	2	MASCOT	T		
1.03E-01	0|0	Cs5g03610.1/Cs5g036	4.25	0	0	2	MASCOT	T		

5.48E-03	0|0	Cs5g03610.1/Cs5g036	4.25	0	0	2	MASCOT	T	
2.90E-01	0|0	Cs5g03610.1/Cs5g036	6.75	0	15.9	0	2	MASCOT	T PLEX8
2.51E-01	0|0	Cs5g03610.1/Cs5g036	6.74	0	15.9	0	2	MASCOT	T PLEX8
1.41E-01	0|0	Cs5g03610.1/Cs5g036	6.74	0	0	2	MASCOT	T	PLEX8
5.64E-01	0|0	Cs5g03610.1/Cs5g036	6.74	0	0	2	MASCOT	T	PLEX8
1.16E-01	0|0	Cs5g03610.1/Cs5g036	6.74	0	0	2	MASCOT	T	PLEX8
4.01E-02	0|0	Cs5g03610.1/Cs5g036	6.74	0	0	2	MASCOT	T	PLEX8
6.44E-03	0|0	Cs5g03610.1/Cs5g036	5.81	0	15.9	0	2	MASCOT	T
7.70E-03	0|0	Cs5g03610.1/Cs5g036	4.37	0	15.9	0	2	MASCOT	T PLEX8
1.11E-01	0|0	Cs5g03610.1/Cs5g036	4.37	0	15.9	0	2	MASCOT	T PLEX8
1.91E-01	0|0	Cs5g03610.1/Cs5g036	4.37	0	15.9	0	2	MASCOT	T PLEX8
5.20E-01	0|0	Cs5g03610.1/Cs5g036	4.37	0	0	2	MASCOT	T	PLEX8
7.58E-04	0|0	Cs5g03610.1/Cs5g036	4.37	0	0	2	MASCOT	T	PLEX8
3.73E-01	0|0	Cs5g03610.1/Cs5g036	4.37	0	0	2	MASCOT	T	PLEX8
9.89E-03	0|0	Cs5g03610.1/Cs5g036	5.83	0	0	2	MASCOT	T	PLEX8
1.84E-01	0|0	Cs5g03610.1/Cs5g036	6.74	0	0	2	MASCOT	T	PLEX8
3.19E-03	0|0	Cs5g03610.1/Cs5g036	6.74	0	0	2	MASCOT	T	PLEX8
7.27E-03	0|0	Cs5g03610.1/Cs5g036	6.74	0	0	2	MASCOT	T	PLEX8
1.97E-02	0|0	Cs5g03610.1/Cs5g036	6.74	0	0	2	MASCOT	T	
2.88E-03	0|0	Cs5g03610.1/Cs5g036	6.74	0	0	2	MASCOT	T	
2.31E-02	0|0	Cs5g03610.1/Cs5g036	6.74	0	0	2	MASCOT	T	
8.94E-02	0|0	Cs5g03610.1/Cs5g036	6.74	0	0	2	MASCOT	T	PLEX8
6.02E-02	0|0	Cs5g03610.1/Cs5g036	5.19	0	0	2	MASCOT	T	PLEX8
7.55E-02	0|0	Cs5g03610.1/Cs5g036	5.66	0	0	2	MASCOT	T	PLEX8
3.37E-02	0|0	Cs5g03610.1/Cs5g036	5.66	0	0	2	MASCOT	T	PLEX8
9.52E-02	0|0	Cs5g03610.1/Cs5g036	5.66	0	0	2	MASCOT	T	PLEX8
4.13E-01	0|0	Cs7g21820.1/Cs7g218	5.88	0	0	2	MASCOT	T	PLEX8
8.50E-02	0|0	Cs7g21820.1/Cs7g218	5.88	0	0	2	MASCOT	T	PLEX8
2.44E-01	0|0	Cs7g21820.1/Cs7g218	5.88	0	0	2	MASCOT	T	
2.13E-01	0|0	Cs7g21820.1/Cs7g218	5.88	0	0	2	MASCOT	T	
3.32E-01	0|0	Cs7g21820.1/Cs7g218	5.88	0	0	2	MASCOT	T	PLEX8
1.69E-01	0|0	Cs7g21820.1/Cs7g218	5.88	0	0	2	MASCOT	T	PLEX8
6.13E-02	0|0	Cs7g21820.1/Cs7g218	5.88	0	0	2	MASCOT	T	PLEX8
9.62E-02	0|0	Cs7g21820.1/Cs7g218	5.88	0	0	2	MASCOT	T	
7.36E-02	0|0	Cs7g21820.1/Cs7g218	9.8	0	0	2	MASCOT	T	PLEX8
2.60E-02	0|0	Cs7g21820.1/Cs7g218	3.93	0	0	2	MASCOT	T	
4.93E-03	0|0	Cs7g21820.1/Cs7g218	3.93	0	0	2	MASCOT	T	
1.02E-01	0|0	Cs7g21820.1/Cs7g218	3.93	0	0	2	MASCOT	T	PLEX8
2.31E-02	0|0	Cs7g21820.1/Cs7g218	4.03	0	0	2	MASCOT	T	PLEX8
1.20E-01	0|0	Cs7g21820.1/Cs7g218	4.03	0	0	2	MASCOT	T	PLEX8
1.21E-03	0|0	Cs7g21820.1/Cs7g218	4.37	0	0	2	MASCOT	T	PLEX8
9.86E-07	0|0	Cs7g21820.1/Cs7g218	4.37	0	0	2	MASCOT	T	
1.56E-05	0|0	Cs7g21820.1/Cs7g218	4.37	0	0	2	MASCOT	T	
6.28E-04	0|0	Cs7g21820.1/Cs7g218	4.37	0	0	2	MASCOT	T	
1.58E-01	0|0	Cs7g21820.1/Cs7g218	8.75	0	0	2	MASCOT	T	PLEX8
1.46E-03	0|0	Cs7g21820.1/Cs7g218	4.25	0	0	2	MASCOT	T	PLEX8
5.30E-02	0|0	Cs7g21820.1/Cs7g218	4.25	0	0	2	MASCOT	T	PLEX8
4.81E-03	0|0	Cs7g21820.1/Cs7g218	4.25	0	0	2	MASCOT	T	PLEX8
4.28E-01	0|0	Cs7g21820.1/Cs7g218	4.25	0	0	2	MASCOT	T	PLEX8
2.31E-02	0|0	Cs7g21820.1/Cs7g218	4.25	0	0	2	MASCOT	T	PLEX8
9.94E-02	0|0	Cs7g21820.1/Cs7g218	4.25	0	0	2	MASCOT	T	PLEX8

2.03E-01 0|0	Cs7g21820.1/Cs7g218	8.03	0	0	2 MASCOT	T	
7.80E-04 0|0	Cs7g21820.1/Cs7g218	4.25	0	0	2 MASCOT	T	PLEX8
4.59E-04 0|0	Cs7g21820.1/Cs7g218	4.25	0	0	2 MASCOT	T	PLEX8
2.84E-02 0|0	Cs7g21820.1/Cs7g218	8.75	0	0	2 MASCOT	T	PLEX8
1.47E-03 0|0	Cs7g21820.1/Cs7g218	5.55	0	0	2 MASCOT	T	PLEX8
4.46E-08 0|0	Cs7g21820.1/Cs7g218	5.55	0	0	2 MASCOT	T	PLEX8
6.35E-02 0|0	Cs3g23090.1	4.21	0	0	2 MASCOT	T	
1.49E-03 0|0	Cs3g23090.1	5.21	0 15.9	0	2 MASCOT	T	PLEX8
5.32E-02 0|0	Cs3g23090.1	5.21	0 15.9	0	2 MASCOT	T	
9.63E-02 0|0	Cs3g23090.1	5.21	0 15.9	0	2 MASCOT	T	
9.40E-04 0|0	Cs3g23090.1	5.21	0	0	2 MASCOT	T	PLEX8
2.10E-03 0|0	Cs3g23090.1	5.21	0	0	2 MASCOT	T	
8.09E-02 0|0	Cs3g23090.1	5.21	0	0	2 MASCOT	T	
9.37E-03 0|0	Cs3g23090.1	4.37	0	0	2 MASCOT	T	PLEX8
1.23E-03 0|0	Cs3g23090.1	4.37	0	0	2 MASCOT	T	PLEX8
1.25E-02 0|0	Cs3g23090.1	4.37	0	0	2 MASCOT	T	PLEX8
7.60E-04 0|0	Cs3g23090.1	4.37	0	0	2 MASCOT	T	PLEX8
2.20E-04 0|0	Cs3g23090.1	8.75	0	0	2 MASCOT	T	PLEX8
1.17E-04 0|0	Cs3g23090.1	8.75	0	0	2 MASCOT	T	PLEX8
1.12E-01 0|0	Cs3g23090.1	4.37	0 15.9	0	2 MASCOT	T	PLEX8
1.37E-02 0|0	Cs3g23090.1	4.37	0	0	2 MASCOT	T	PLEX8
1.41E-02 0|0	Cs3g23090.1	4.37	0	0	2 MASCOT	T	PLEX8
2.97E-06 0|0	Cs3g23090.1	4.14	0	0	2 MASCOT	T	
2.69E-02 0|0	Cs3g23090.1	8.2	0	0	2 MASCOT	T	PLEX8
4.69E-02 0|0	Cs3g23090.1	8.2	0	0	2 MASCOT	T	PLEX8
1.98E-02 0|0	Cs3g23090.1	8.2	0	0	2 MASCOT	T	PLEX8
5.94E-04 0|0	Cs3g23090.1	4.14	0	0	2 MASCOT	T	
8.50E-06 0|0	Cs3g23090.1	4.14	0	0	2 MASCOT	T	
2.61E-02 0|0	Cs3g23090.1	3.93	0	0	2 MASCOT	T	
3.42E-02 0|0	Cs3g23090.1	3.93	0	0	2 MASCOT	T	
4.96E-03 0|0	Cs3g23090.1	5.84	0	0	2 MASCOT	T	PLEX8
1.51E-03 0|0	Cs3g23090.1	5.84	0	0	2 MASCOT	T	PLEX8
7.50E-03 0|0	Cs3g23090.1	5.84	0	0	2 MASCOT	T	PLEX8
1.13E-02 0|0	Cs3g23090.1	5.84	0	0	2 MASCOT	T	PLEX8
7.24E-03 0|0	Cs3g23090.1	5.84	0	0	2 MASCOT	T	PLEX8
1.00E-02 0|0	Cs3g23090.1	5.84	0	0	2 MASCOT	T	PLEX8
6.85E-02 0|0	Cs7g28750.1	4.17	0	0	2 MASCOT	T	PLEX8
1.12E-02 0|0	Cs7g28750.1	4.17	0	0	2 MASCOT	T	PLEX8
3.50E-03 0|0	Cs7g28750.1	4.17	0	0	2 MASCOT	T	PLEX8
5.37E-03 0|0	Cs7g28750.1	6.74	0	0	2 MASCOT	T	PLEX8
2.00E-02 0|0	Cs7g28750.1	6.74	0	0	2 MASCOT	T	PLEX8
1.29E-01 0|0	Cs5g19810.1/Cs7g287	4.22	0	0	2 MASCOT	T	PLEX8
1.99E-04 0|0	Cs5g19810.1/Cs7g287	4.22	0	0	2 MASCOT	T	PLEX8
8.17E-02 0|0	Cs5g19810.1/Cs7g287	4.22	0	0	2 MASCOT	T	PLEX8
2.95E-03 0|0	Cs5g19810.1/Cs7g287	4.22	0	0	2 MASCOT	T	PLEX8
2.39E-03 0|0	Cs5g19810.1/Cs5g198	5.32	0 15.9	0	2 MASCOT	T	PLEX8
2.06E-03 0|0	Cs5g19810.1/Cs5g198	5.32	0 15.9	0	2 MASCOT	T	PLEX8
9.67E-05 0|0	Cs5g19810.1/Cs5g198	5.32	0 15.9	0	2 MASCOT	T	
4.50E-04 0|0	Cs5g19810.1/Cs5g198	5.32	0	0	2 MASCOT	T	PLEX8
1.82E-05 0|0	Cs5g19810.1/Cs5g198	5.32	0	0	2 MASCOT	T	PLEX8
2.15E-05 0|0	Cs5g19810.1/Cs5g198	5.32	0	0	2 MASCOT	T	

1.59E-01	0|0	Cs7g28750.1	8.64	0	0	2	MASCOT	T	PLEX8
5.29E-03	0|0	Cs5g19810.1/Cs5g198	4.65	0	0	2	MASCOT	T	PLEX8
7.67E-03	0|0	Cs5g19810.1/Cs5g198	4.53	0	0	2	MASCOT	T	PLEX8
1.00E-04	0|0	Cs5g19810.1/Cs5g198	4.53	0	0	2	MASCOT	T	PLEX8
1.49E-03	0|0	Cs7g28750.1/Cs7g287	4.53	0	0	2	MASCOT	T	PLEX8
3.79E-01	0|0	Cs7g28750.1/Cs7g287	4.53	0	0	2	MASCOT	T	PLEX8
2.51E-03	0|0	Cs7g28750.1/Cs7g287	4.53	0	0	2	MASCOT	T	PLEX8
1.64E-01	0|0	Cs5g19810.1/Cs5g198	9.75	0	0	2	MASCOT	T	PLEX8
2.17E-02	0|0	Cs5g19810.1/Cs5g198	9.75	0	0	2	MASCOT	T	PLEX8
1.50E-01	0|0	Cs5g19810.1/Cs5g198	4.37	0	0	2	MASCOT	T	PLEX8
1.64E-04	0|0	Cs5g19810.1/Cs5g198	5.55	0	0	2	MASCOT	T	PLEX8
3.73E-02	0|0	Cs5g05840.1/Cs5g058	4.25	0	0	2	MASCOT	T	PLEX8
7.13E-02	0|0	Cs5g05840.1/Cs5g058	4.25	0	0	2	MASCOT	T	PLEX8
8.00E-02	0|0	Cs5g05840.1/Cs5g058	4.25	0	0	2	MASCOT	T	PLEX8
8.10E-02	0|0	Cs5g05840.1/Cs5g058	4.25	0	0	2	MASCOT	T	PLEX8
8.65E-05	0|0	Cs5g05840.1/Cs5g058	6.04	0	0	2	MASCOT	T	PLEX8
1.30E-03	0|0	Cs5g05840.1/Cs5g058	8.59	0	0	2	MASCOT	T	PLEX8
3.83E-03	0|0	Cs5g05840.1/Cs5g058	8.59	0	0	2	MASCOT	T	PLEX8
6.16E-03	0|0	Cs5g05840.1/Cs5g058	8.59	0	0	2	MASCOT	T	PLEX8
7.49E-03	0|0	Cs5g05840.1/Cs5g058	8.59	0	0	2	MASCOT	T	PLEX8
2.69E-02	0|0	Cs5g05840.1/Cs5g058	8.2	0	0	2	MASCOT	T	PLEX8
6.20E-03	0|0	Cs5g05840.1/Cs5g058	8.2	0	0	2	MASCOT	T	PLEX8
2.64E-01	0|0	Cs5g05840.1/Cs5g058	8.2	0	0	2	MASCOT	T	PLEX8
9.67E-03	0|0	Cs5g05840.1/Cs5g058	8.2	0	0	2	MASCOT	T	PLEX8
1.04E-01	0|0	Cs5g05840.1/Cs5g058	4.53	0	0	2	MASCOT	T	PLEX8
1.73E-01	0|0	Cs5g05840.1/Cs5g058	4.53	0	0	2	MASCOT	T	PLEX8
4.04E-02	0|0	Cs6g20960.1/Cs7g263	4.03	0	0	2	MASCOT	T	
2.63E-03	0|0	Cs8g15970.1/Cs8g159	3.8	1	0	2	MASCOT	T	PLEX8
1.98E-03	0|0	Cs8g15970.1/Cs8g159	3.8	1	0	2	MASCOT	T	PLEX8
9.85E-04	0|0	Cs5g05840.1/Cs5g058	4.48	0	0	2	MASCOT	T	PLEX8
3.00E-02	0|0	Cs5g05840.1/Cs5g058	4.48	0	0	2	MASCOT	T	PLEX8
4.76E-05	0|0	Cs5g05840.1/Cs5g058	4.48	0	0	2	MASCOT	T	
6.35E-03	0|0	Cs5g05840.1/Cs5g058	4.48	0	0	2	MASCOT	T	
1.31E-01	0|0	Cs5g05840.1/Cs5g058	4.53	0	0	2	MASCOT	T	
6.32E-03	0|0	Cs5g05840.1/Cs5g058	4.53	0	0	2	MASCOT	T	
3.65E-03	0|0	Cs8g15970.1/Cs8g159	4.21	0	0	2	MASCOT	T	PLEX8
1.47E-01	0|0	Cs5g05840.1/Cs5g058	4.21	0	0	2	MASCOT	T	PLEX8
1.56E-02	0|0	Cs9g01790.1/Cs9g017	6.79	0	0	2	MASCOT	T	PLEX8
3.85E-02	0|0	Cs9g01790.1/Cs9g017	6.79	0	0	2	MASCOT	T	PLEX8
2.02E-01	0|0	Cs9g01790.1/Cs9g017	5.84	0	0	2	MASCOT	T	PLEX8
1.67E-01	0|0	Cs9g01790.1/Cs9g017	5.84	0	0	2	MASCOT	T	PLEX8
2.82E-03	0|0	Cs9g01790.1/Cs9g017	5.84	0	0	2	MASCOT	T	PLEX8
2.79E-01	0|0	Cs9g01790.1/Cs9g017	6	0	0	2	MASCOT	T	PLEX8
2.09E-03	0|0	Cs9g01790.1/Cs9g017	6	0	0	2	MASCOT	T	PLEX8
3.40E-03	0|0	Cs9g01790.1/Cs9g017	6	0	0	2	MASCOT	T	PLEX8
5.69E-04	0|0	Cs9g01790.1/Cs9g017	4.08	0	0	2	MASCOT	T	
1.46E-03	0|0	Cs9g01790.1/Cs9g017	6.05	0	0	2	MASCOT	T	PLEX8
6.37E-02	0|0	Cs9g01790.1/Cs9g017	6.05	0	0	2	MASCOT	T	PLEX8
1.01E-01	0|0	Cs9g01790.1/Cs9g017	6.05	0	0	2	MASCOT	T	PLEX8
7.22E-03	0|0	Cs9g01790.1/Cs9g017	6.05	0	0	2	MASCOT	T	PLEX8
5.09E-02	0|0	Cs9g01790.1/Cs9g017	6.05	0	0	2	MASCOT	T	PLEX8

2.76E-03	0|0	Cs9g01790.1/Cs9g017	5.32	0	15.9	0	2	MASCOT	T	PLEX8
4.06E-02	0|0	Cs9g01790.1/Cs9g017	5.32	0	15.9	0	2	MASCOT	T	PLEX8
8.30E-03	0|0	Cs9g01790.1/Cs9g017	5.32	0	15.9	0	2	MASCOT	T	PLEX8
1.71E-02	0|0	Cs9g01790.1/Cs9g017	5.32	0		0	2	MASCOT	T	PLEX8
1.32E-04	0|0	Cs9g01790.1/Cs9g017	5.32	0		0	2	MASCOT	T	PLEX8
7.34E-03	0|0	Cs9g01790.1/Cs9g017	5.32	0		0	2	MASCOT	T	PLEX8
4.28E-02	0|0	Cs9g01790.1/Cs9g017	4.03	0		0	2	MASCOT	T	PLEX8
2.65E-01	0|0	Cs9g01790.1/Cs9g017	4.03	0		0	2	MASCOT	T	PLEX8
1.09E-01	0|0	Cs9g01790.1/Cs9g017	5.84	0		0	2	MASCOT	T	PLEX8
4.41E-02	0|0	Cs9g01790.1/Cs9g017	6	0		0	2	MASCOT	T	PLEX8
2.84E-02	0|0	Cs9g01790.1/Cs9g017	6.89	0		0	2	MASCOT	T	
1.32E-03	0|0	Cs2g08800.1/Cs2g088	4.21	0		0	2	MASCOT	T	PLEX8
2.26E-02	0|0	Cs2g08800.1/Cs2g088	4.21	0		0	2	MASCOT	T	PLEX8
8.83E-03	0|0	Cs2g08800.1/Cs2g088	4.21	0		0	2	MASCOT	T	PLEX8
1.78E-01	0|0	Cs2g08800.1/Cs2g088	4.21	0		0	2	MASCOT	T	PLEX8
4.25E-04	0|0	Cs4g05210.1/Cs4g052	4.21	0		0	2	MASCOT	T	PLEX8
3.02E-01	0|0	Cs4g05210.1/Cs4g052	4.21	0		0	2	MASCOT	T	PLEX8
1.68E-04	0|0	orange1.1t01399.1/ora	5.83	0		0	2	MASCOT	T	PLEX8
2.53E-02	0|0	orange1.1t01399.1/ora	5.83	0		0	2	MASCOT	T	PLEX8
3.76E-04	0|0	orange1.1t01399.1/ora	5.83	0		0	2	MASCOT	T	PLEX8
1.84E-01	0|0	orange1.1t01399.1/ora	5.83	0		0	2	MASCOT	T	
3.24E-01	0|0	orange1.1t01399.1/ora	6.75	0		0	2	MASCOT	T	PLEX8
9.56E-03	0|0	Cs4g05210.1/Cs4g052	5.84	0		0	2	MASCOT	T	PLEX8
9.83E-02	0|0	Cs4g05210.1/Cs4g052	5.84	0		0	2	MASCOT	T	PLEX8
1.24E-02	0|0	Cs4g05210.1/Cs4g052	8.47	0		0	2	MASCOT	T	PLEX8
1.38E-01	0|0	Cs4g05210.1/Cs4g052	8.47	0		0	2	MASCOT	T	PLEX8
4.73E-02	0|0	Cs4g05210.1/Cs4g052	5.4	0		0	2	MASCOT	T	PLEX8
1.63E-04	0|0	orange1.1t01399.1/ora	5.88	0		0	2	MASCOT	T	PLEX8
7.72E-03	0|0	orange1.1t01399.1/ora	5.88	0		0	2	MASCOT	T	PLEX8
3.08E-03	0|0	orange1.1t01399.1/ora	5.88	0		0	2	MASCOT	T	PLEX8
3.12E-02	0|0	Cs4g05210.1/Cs4g052	4.03	0		0	2	MASCOT	T	
3.77E-01	0|0	Cs3g15070.1 ! Cs4g05	4.21	0		0	2	MASCOT	T	
2.57E-02	0|0	Cs3g15070.1 ! Cs4g05	4.21	0		0	2	MASCOT	T	
2.97E-03	0|0	Cs3g15070.1 ! Cs4g05	4.21	0		0	2	MASCOT	T	
5.35E-06	0|0	Cs3g15070.1 ! Cs4g05	4.21	0		0	2	MASCOT	T	
1.11E-01	0|0	Cs4g05210.1/Cs4g052	8.56	0		0	2	MASCOT	T	PLEX8
1.32E-03	0|0	Cs2g08800.1/Cs2g088	4.21	0		0	2	MASCOT	T	PLEX8
2.26E-02	0|0	Cs2g08800.1/Cs2g088	4.21	0		0	2	MASCOT	T	PLEX8
8.83E-03	0|0	Cs2g08800.1/Cs2g088	4.21	0		0	2	MASCOT	T	PLEX8
1.78E-01	0|0	Cs2g08800.1/Cs2g088	4.21	0		0	2	MASCOT	T	PLEX8
4.25E-04	0|0	Cs4g05210.1/Cs4g052	4.21	0		0	2	MASCOT	T	PLEX8
3.02E-01	0|0	Cs4g05210.1/Cs4g052	4.21	0		0	2	MASCOT	T	PLEX8
9.56E-03	0|0	Cs4g05210.1/Cs4g052	5.84	0		0	2	MASCOT	T	PLEX8
9.83E-02	0|0	Cs4g05210.1/Cs4g052	5.84	0		0	2	MASCOT	T	PLEX8
2.23E-02	0|0	Cs4g05210.1/Cs4g052	5.55	0		0	2	MASCOT	T	PLEX8
1.24E-02	0|0	Cs4g05210.1/Cs4g052	8.47	0		0	2	MASCOT	T	PLEX8
1.38E-01	0|0	Cs4g05210.1/Cs4g052	8.47	0		0	2	MASCOT	T	PLEX8
4.73E-02	0|0	Cs4g05210.1/Cs4g052	5.4	0		0	2	MASCOT	T	PLEX8
1.09E-04	0|0	Cs4g05210.1/Cs4g052	5.88	0		0	2	MASCOT	T	PLEX8
1.19E-02	0|0	Cs4g05210.1/Cs4g052	5.84	0		0	2	MASCOT	T	PLEX8
5.61E-05	0|0	Cs4g05210.1/Cs4g052	5.84	0		0	2	MASCOT	T	PLEX8

2.15E-03	0|0	Cs4g05210.1/Cs4g052	5.84	0	0	2	MASCOT	T	PLEX8	
3.12E-02	0|0	Cs4g05210.1/Cs4g052	4.03	0	0	2	MASCOT	T		
3.77E-01	0|0	Cs3g15070.1 ! Cs4g05	4.21	0	0	2	MASCOT	T		
2.57E-02	0|0	Cs3g15070.1 ! Cs4g05	4.21	0	0	2	MASCOT	T		
2.97E-03	0|0	Cs3g15070.1 ! Cs4g05	4.21	0	0	2	MASCOT	T		
5.35E-06	0|0	Cs3g15070.1 ! Cs4g05	4.21	0	0	2	MASCOT	T		
1.11E-01	0|0	Cs4g05210.1/Cs4g052	8.56	0	0	2	MASCOT	T	PLEX8	
8.40E-04	0|0	Cs3g16700.1	4.54	0	0	2	MASCOT	T	PLEX8	
2.46E-02	0|0	Cs3g16700.1	4.54	0	0	2	MASCOT	T		
3.18E-02	0|0	Cs1g20920.1/Cs1g209	4.65	0	15.9	0	2	MASCOT	T	PLEX8
1.13E-05	0|0	Cs1g20920.1/Cs1g209	4.65	0	15.9	0	2	MASCOT	T	PLEX8
1.46E-05	0|0	Cs1g20920.1/Cs1g209	4.65	0	0	2	MASCOT	T	PLEX8	
1.60E-06	0|0	Cs1g20920.1/Cs1g209	4.65	0	0	2	MASCOT	T		
2.34E-01	0|0	Cs1g20920.1/Cs1g209	9.75	0	0	2	MASCOT	T		
2.74E-08	0|0	Cs1g20920.1/Cs1g209	9.75	0	0	2	MASCOT	T		
3.27E-01	0|0	Cs3g16700.1	5.29	0	0	2	MASCOT	T	PLEX8	
7.20E-04	0|0	Cs3g16700.1	5.29	0	0	2	MASCOT	T	PLEX8	
1.13E-01	0|0	Cs3g16700.1	5.29	0	0	2	MASCOT	T	PLEX8	
1.71E-04	0|0	Cs3g16700.1	5.29	0	0	2	MASCOT	T	PLEX8	
4.52E-03	0|0	Cs1g20920.1/Cs1g209	6.41	0	0	2	MASCOT	T		
6.55E-06	0|0	Cs3g16700.1	4.54	0	0	2	MASCOT	T		
1.64E-01	0|0	Cs1g20920.2/Cs1g209	6	0	0	2	MASCOT	T	PLEX8	
1.12E-02	0|0	Cs1g20920.1/Cs1g209	6.04	0	0	2	MASCOT	T	PLEX8	
5.71E-02	0|0	Cs1g20920.1/Cs1g209	6.04	0	0	2	MASCOT	T	PLEX8	
3.80E-01	0|0	Cs3g16700.1	5.32	0	0	2	MASCOT	T	PLEX8	
1.05E-01	0|0	Cs3g16700.1	8.75	0	0	2	MASCOT	T	PLEX8	
1.16E-01	0|0	Cs3g16700.1	8.75	0	0	2	MASCOT	T	PLEX8	
1.86E-01	0|0	Cs3g16700.1	8.47	0	0	2	MASCOT	T	PLEX8	
5.39E-04	0|0	Cs9g05070.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.40E-03	0|0	Cs9g05070.1	4.37	0	0	2	MASCOT	T		
5.28E-04	0|0	Cs9g05070.1	4.37	0	0	2	MASCOT	T		
9.16E-03	0|0	Cs9g05070.1	4.37	0	0	2	MASCOT	T		
4.64E-03	0|0	Cs9g05070.1/Cs9g050	4.03	0	0	2	MASCOT	T	PLEX8	
5.67E-04	0|0	Cs9g05070.1/Cs9g050	4.03	0	0	2	MASCOT	T	PLEX8	
9.69E-03	0|0	Cs9g05070.1/Cs9g050	4.21	0	0	2	MASCOT	T		
5.55E-02	0|0	Cs9g05070.1/Cs9g050	8.75	0	0	2	MASCOT	T	PLEX8	
2.60E-02	0|0	Cs9g05070.1/Cs9g050	8.75	0	0	2	MASCOT	T	PLEX8	
3.21E-05	0|0	Cs9g05070.1/Cs9g050	8.75	0	0	2	MASCOT	T	PLEX8	
1.79E-01	0|0	Cs9g05070.1	5.59	0	0	2	MASCOT	T	PLEX8	
5.67E-05	0|0	Cs9g05070.1	4.37	0	0	2	MASCOT	T		
6.03E-02	0|0	Cs9g05070.1/Cs9g050	7.96	0	0	2	MASCOT	T	PLEX8	
2.35E-01	0|0	Cs9g05070.1/Cs9g050	5.72	0	0	2	MASCOT	T	PLEX8	
3.68E-02	0|0	Cs9g05070.1/Cs9g050	5.72	0	0	2	MASCOT	T	PLEX8	
1.09E-02	0|0	Cs9g05070.1/Cs9g050	4.37	0	0	2	MASCOT	T	PLEX8	
7.05E-03	0|0	Cs9g05070.1/Cs9g050	4.37	0	0	2	MASCOT	T	PLEX8	
9.23E-02	0|0	Cs9g05070.1/Cs9g050	4.37	0	0	2	MASCOT	T	PLEX8	
9.76E-04	0|0	Cs9g05070.1/Cs9g050	5.84	0	0	2	MASCOT	T	PLEX8	
3.07E-04	0|0	Cs9g05070.1/Cs9g050	5.84	0	0	2	MASCOT	T	PLEX8	
6.11E-05	0|0	Cs9g05070.1/Cs9g050	8.75	0	0	2	MASCOT	T	PLEX8	
6.22E-06	0|0	Cs1g17970.1/Cs4g055	5.84	0	0	2	MASCOT	T	PLEX8	
2.19E-04	0|0	Cs1g17970.1/Cs4g055	5.84	0	0	2	MASCOT	T	PLEX8	

5.84E-02 0|0	Cs1g17970.1	6	0	0	2	MASCOT	T	PLEX8
6.46E-03 0|0	Cs1g17970.1/Cs4g055	4.68	1	0	2	MASCOT	T	PLEX8
7.90E-03 0|0	Cs1g17970.1/Cs4g055	4.68	1	0	2	MASCOT	T	PLEX8
4.77E-02 0|0	Cs1g17970.1/Cs4g055	8.23	0	0	2	MASCOT	T	PLEX8
2.90E-02 0|0	Cs1g17970.1/Cs4g055	8.23	0	0	2	MASCOT	T	PLEX8
1.51E-03 0|0	Cs1g17970.1/Cs4g055	5.88	0	0	2	MASCOT	T	PLEX8
3.42E-01 0|0	Cs1g17970.1/Cs4g055	5.88	0	0	2	MASCOT	T	PLEX8
1.39E-03 0|0	Cs1g17970.1/Cs4g055	5.88	0	0	2	MASCOT	T	PLEX8
2.93E-01 0|0	Cs1g17970.1/Cs4g055	5.88	0	0	2	MASCOT	T	PLEX8
1.59E-02 0|0	Cs1g17970.1/Cs4g055	5.88	0	0	2	MASCOT	T	PLEX8
1.77E-01 0|0	Cs1g17970.1/Cs4g055	5.88	0	0	2	MASCOT	T	
2.49E-03 0|0	Cs1g17970.1/Cs4g055	4.14	0	0	2	MASCOT	T	PLEX8
1.29E-02 0|0	Cs1g17970.1/Cs4g055	5.13	0	0	2	MASCOT	T	PLEX8
1.30E-02 0|0	Cs1g08640.1/Cs1g086	4.53	0	0	2	MASCOT	T	PLEX8
3.04E-01 0|0	Cs1g08640.1/Cs1g086	4.53	0	0	2	MASCOT	T	PLEX8
2.46E-01 0|0	Cs1g17970.1/Cs4g055	8.5	0	0	2	MASCOT	T	PLEX8
2.77E-05 0|0	Cs1g17970.1	9.76	0	0	2	MASCOT	T	PLEX8
3.08E-02 0|0	Cs1g17970.1/Cs4g055	5.96	1	0	2	MASCOT	T	
1.60E-03 0|0	Cs3g11690.1/Cs3g116	6.05	0	0	2	MASCOT	T	PLEX8
6.41E-03 0|0	Cs3g11690.1/Cs3g116	6.05	0	0	2	MASCOT	T	PLEX8
7.30E-03 0|0	Cs3g11690.1/Cs3g116	6.05	0	0	2	MASCOT	T	PLEX8
1.15E-02 0|0	Cs3g11690.1/Cs3g116	3.92	0	0	2	MASCOT	T	PLEX8
1.34E-01 0|0	Cs3g11690.1/Cs3g116	4.21	0	0	2	MASCOT	T	PLEX8
2.19E-01 0|0	Cs3g11690.1/Cs3g116	6.92	0	0	2	MASCOT	T	
7.23E-02 0|0	Cs3g11690.1/Cs3g116	6.92	0	0	2	MASCOT	T	
9.76E-03 0|0	Cs3g11690.1/Cs3g116	8.49	0	0	2	MASCOT	T	PLEX8
6.75E-03 0|0	Cs3g11690.1/Cs3g116	8.49	0	0	2	MASCOT	T	PLEX8
2.06E-02 0|0	Cs3g11690.1/Cs3g116	8.49	0	0	2	MASCOT	T	
6.08E-04 0|0	Cs3g11690.1/Cs3g116	4.37	0	0	2	MASCOT	T	PLEX8
3.67E-02 0|0	Cs3g11690.1/Cs3g116	6.73	0	0	2	MASCOT	T	PLEX8
4.21E-02 0|0	Cs3g11690.1/Cs3g116	6	0	0	2	MASCOT	T	
3.63E-02 0|0	Cs3g11690.1/Cs3g116	6	0	0	2	MASCOT	T	
2.84E-03 0|0	Cs3g11690.1/Cs3g116	8.25	0	0	2	MASCOT	T	PLEX8
1.04E-02 0|0	Cs3g11690.1/Cs3g116	5.84	0	0	2	MASCOT	T	PLEX8
3.90E-02 0|0	Cs3g11690.1/Cs3g116	5.84	0	0	2	MASCOT	T	PLEX8
2.05E-02 0|0	Cs3g11690.1/Cs3g116	8.47	0	0	2	MASCOT	T	PLEX8
8.06E-02 0|0	Cs3g11690.1/Cs3g116	8.47	0	0	2	MASCOT	T	PLEX8
2.03E-02 0|0	Cs3g11690.1/Cs3g116	8.47	0	0	2	MASCOT	T	PLEX8
6.22E-02 0|0	gi|113952629	6.79	0	0	2	MASCOT	T	PLEX8
8.05E-03 0|0	gi|113952629	6.79	0	0	2	MASCOT	T	PLEX8
2.73E-02 0|0	gi|113952629	4.53	0	0	2	MASCOT	T	PLEX8
7.83E-02 0|0	gi|113952629	4.14	0	0	2	MASCOT	T	PLEX8
1.80E-02 0|0	gi|113952629	4.56	1	0	2	MASCOT	T	
9.21E-02 0|0	gi|113952629/Cs2g135	8.75	0	0	2	MASCOT	T	PLEX8
1.22E-01 0|0	gi|113952629/Cs2g135	8.75	0	0	2	MASCOT	T	PLEX8
1.24E-01 0|0	gi|113952629/Cs2g135	8.75	0	0	2	MASCOT	T	PLEX8
5.33E-03 0|0	gi|113952629	5.55	0	0	2	MASCOT	T	
3.05E-02 0|0	gi|113952629	5.55	0	0	2	MASCOT	T	
1.73E-03 0|0	gi|113952629	5.55	0	0	2	MASCOT	T	
2.59E-03 0|0	gi|113952629	5.55	0	0	2	MASCOT	T	
1.83E-02 0|0	gi|113952629	5.97	0	0	2	MASCOT	T	

2.13E-01	0|0	gi|113952629	5.81	0	0	2	MASCOT	T	
6.88E-03	0|0	gi|113952629	5.81	0	0	2	MASCOT	T	
6.49E-03	0|0	gi|113952629	6	0	0	2	MASCOT	T	
1.33E-02	0|0	gi|113952629	8.75	0	0	2	MASCOT	T PLEX8	
5.84E-02	0|0	gi|113952629	6	0	0	2	MASCOT	T PLEX8	
9.43E-03	0|0	gi|113952629	6	0	0	2	MASCOT	T PLEX8	
1.99E-03	0|0	gi|113952629	6	0	0	2	MASCOT	T PLEX8	
1.43E-01	0|0	Cs5g29390.1	5.21	0	0	2	MASCOT	T PLEX8	
4.18E-02	0|0	Cs5g29390.1	5.83	0	0	2	MASCOT	T PLEX8	
1.59E-01	0|0	Cs5g29390.1	5.83	0	0	2	MASCOT	T PLEX8	
4.07E-01	0|0	Cs5g29390.1	4.14	0	0	2	MASCOT	T PLEX8	
1.05E-02	0|0	Cs5g29390.1	8.76	0	0	2	MASCOT	T PLEX8	
2.23E-04	0|0	Cs5g29390.1	4.37	0	0	2	MASCOT	T PLEX8	
2.13E-02	0|0	Cs5g29390.1	4.37	0	0	2	MASCOT	T PLEX8	
7.85E-02	0|0	Cs5g29390.1	4.21	0	0	2	MASCOT	T PLEX8	
1.27E-01	0|0	Cs5g29390.1	5.84	0	0	2	MASCOT	T PLEX8	
2.98E-02	0|0	Cs5g29390.1	5.81	0	0	2	MASCOT	T PLEX8	
3.18E-02	0|0	Cs5g29390.1	5.81	0	0	2	MASCOT	T PLEX8	
1.98E-02	0|0	Cs5g29390.1	5.81	0	0	2	MASCOT	T PLEX8	
1.31E-01	0|0	Cs5g29390.1	4.37	0	0	2	MASCOT	T PLEX8	
3.89E-02	0|0	Cs5g29390.1	4.37	0	0	2	MASCOT	T PLEX8	
2.24E-01	0|0	Cs5g29390.1	5.4	0	15.9	0	2	MASCOT	T PLEX8
8.10E-03	0|0	Cs5g29390.1	5.4	0	15.9	0	2	MASCOT	T PLEX8
2.25E-01	0|0	Cs5g29390.1	5.4	0	15.9	0	2	MASCOT	T PLEX8
2.35E-03	0|0	Cs5g29390.1	5.4	0	15.9	0	2	MASCOT	T PLEX8
2.16E-02	0|0	Cs5g29390.1	4.37	0	0	2	MASCOT	T PLEX8	
4.79E-03	0|0	Cs6g22080.1/Cs6g220	4.75	0	0	2	MASCOT	T PLEX8	
5.62E-04	0|0	Cs6g22080.1/Cs6g220	4.75	0	0	2	MASCOT	T PLEX8	
2.14E-01	0|0	Cs6g22080.1/Cs6g220	4.37	0	0	2	MASCOT	T PLEX8	
8.75E-03	0|0	Cs6g22080.1	4.53	0	0	2	MASCOT	T PLEX8	
1.83E-01	0|0	Cs6g22080.1/Cs6g220	6.1	0	0	2	MASCOT	T PLEX8	
2.52E-01	0|0	Cs6g22080.1	4.21	0	0	2	MASCOT	T PLEX8	
4.89E-02	0|0	Cs6g22080.1	4.21	0	0	2	MASCOT	T PLEX8	
5.50E-05	0|0	Cs6g22080.1/Cs6g220	8.5	0	0	2	MASCOT	T PLEX8	
2.25E-03	0|0	Cs6g22080.1/Cs6g220	8.5	0	0	2	MASCOT	T PLEX8	
7.24E-04	0|0	Cs6g22080.1/Cs6g220	8.5	0	0	2	MASCOT	T PLEX8	
2.10E-03	0|0	Cs6g22080.1/Cs6g220	8.5	0	0	2	MASCOT	T PLEX8	
6.24E-03	0|0	Cs6g22080.1	9.6	1	0	2	MASCOT	T	
1.68E-01	0|0	Cs6g22080.1/Cs6g220	8.41	0	0	2	MASCOT	T PLEX8	
1.85E-01	0|0	Cs6g22080.1/Cs6g220	8.41	0	0	2	MASCOT	T PLEX8	
8.24E-02	0|0	Cs6g22080.1/Cs6g220	5.97	0	0	2	MASCOT	T PLEX8	
1.55E-01	0|0	Cs6g22080.1/Cs6g220	5.97	0	0	2	MASCOT	T PLEX8	
6.71E-03	0|0	Cs6g22080.1/Cs6g220	5.97	0	0	2	MASCOT	T PLEX8	
8.30E-03	0|0	Cs6g22080.1/Cs6g220	4.53	0	0	2	MASCOT	T	
2.46E-02	0|0	Cs6g22080.1/Cs6g220	4.37	0	0	2	MASCOT	T PLEX8	
4.65E-02	0|0	Cs7g04310.1/Cs7g043	6.74	0	0	2	MASCOT	T	
1.63E-01	0|0	Cs7g04310.1/Cs7g043	6.74	0	0	2	MASCOT	T	
3.95E-01	0|0	Cs7g04310.1/Cs7g043	4.75	0	0	2	MASCOT	T	
1.62E-04	0|0	Cs7g04310.1/Cs7g043	6.74	0	0	2	MASCOT	T PLEX8	
4.01E-02	0|0	Cs7g04310.1/Cs7g043	6.74	0	0	2	MASCOT	T PLEX8	
4.26E-04	0|0	Cs7g04310.1/Cs7g043	6.74	0	0	2	MASCOT	T PLEX8	

5.63E-05	0|0	Cs7g04310.1/Cs7g043	6.74	0	0	2 MASCOT	T	PLEX8
2.17E-01	0|0	Cs7g04310.1/Cs7g043	6.74	0	0	2 MASCOT	T	PLEX8
9.11E-02	0|0	Cs7g04310.1/Cs7g043	5.4	0	0	2 MASCOT	T	
1.91E-04	0|0	Cs7g04310.1/Cs7g043	4.03	0	0	2 MASCOT	T	PLEX8
4.86E-02	0|0	Cs7g04310.1/Cs7g043	4.03	0	0	2 MASCOT	T	PLEX8
6.59E-02	0|0	Cs7g04310.1/Cs7g043	6	0	0	2 MASCOT	T	PLEX8
2.84E-02	0|0	Cs7g04310.1/Cs7g043	5.12	0	0	2 MASCOT	T	PLEX8
8.76E-03	0|0	Cs7g04310.1/Cs7g043	5.12	0	0	2 MASCOT	T	PLEX8
3.27E-01	0|0	Cs7g04310.1/Cs7g043	8.47	0	0	2 MASCOT	T	PLEX8
3.22E-02	0|0	Cs7g04310.1/Cs7g043	8.47	0	0	2 MASCOT	T	PLEX8
1.72E-02	0|0	Cs7g04310.1/Cs7g043	5.21	0	0	2 MASCOT	T	PLEX8
3.90E-02	0|0	Cs7g04310.1/Cs7g043	4.03	0	0	2 MASCOT	T	PLEX8
4.30E-02	0|0	Cs7g04310.1/Cs7g043	4.32	0	0	2 MASCOT	T	PLEX8
1.94E-02	0|0	Cs7g07890.1/Cs7g078	6.73	0	0	2 MASCOT	T	
4.94E-02	0|0	Cs7g07890.1/Cs7g078	6.1	0	0	2 MASCOT	T	PLEX8
1.04E-02	0|0	Cs7g07890.1/Cs7g078	4.03	0	0	2 MASCOT	T	PLEX8
6.86E-03	0|0	Cs7g07890.1	4.37	0	0	2 MASCOT	T	
6.54E-02	0|0	Cs7g07890.1/Cs7g078	5.32	0	0	2 MASCOT	T	PLEX8
1.33E-01	0|0	Cs7g07890.1/Cs7g078	5.32	0	0	2 MASCOT	T	PLEX8
3.96E-05	0|0	Cs7g07890.1/Cs7g078	4.37	0	0	2 MASCOT	T	
4.25E-03	0|0	Cs7g07890.1/Cs7g078	4.21	0	0	2 MASCOT	T	PLEX8
1.28E-01	0|0	Cs7g07890.1/Cs7g078	6.74	0	0	2 MASCOT	T	PLEX8
6.83E-02	0|0	Cs7g07890.1/Cs7g078	4.56	1	0	2 MASCOT	T	PLEX8
8.58E-04	0|0	Cs7g07890.1/Cs7g078	4.37	0	0	2 MASCOT	T	PLEX8
2.23E-02	0|0	Cs7g07890.1/Cs7g078	4.37	0	0	2 MASCOT	T	PLEX8
1.48E-02	0|0	Cs7g07890.1/Cs7g078	4.37	0	0	2 MASCOT	T	PLEX8
3.99E-03	0|0	Cs7g07890.1/Cs7g078	4.37	0	0	2 MASCOT	T	PLEX8
6.59E-02	0|0	Cs7g07890.1/Cs7g078	6.07	1	0	2 MASCOT	T	PLEX8
1.02E-01	0|0	Cs7g07890.1/Cs7g078	6.07	1	0	2 MASCOT	T	PLEX8
1.32E-02	0|0	Cs8g12140.1/Cs8g121	6	0	0	2 MASCOT	T	PLEX8
5.98E-05	0|0	Cs8g12140.1/Cs8g121	5.32	0	0	2 MASCOT	T	PLEX8
1.66E-01	0|0	Cs8g12140.1/Cs8g121	5.32	0	0	2 MASCOT	T	
3.79E-02	0|0	Cs8g12140.1/Cs8g121	5.55	0	0	2 MASCOT	T	PLEX8
2.84E-02	0|0	Cs8g12140.1/Cs8g121	5.55	0	0	2 MASCOT	T	PLEX8
2.62E-02	0|0	Cs8g12140.1/Cs8g121	5.88	0	0	2 MASCOT	T	PLEX8
2.13E-02	0|0	Cs8g12140.1/Cs8g121	5.88	0	0	2 MASCOT	T	PLEX8
3.62E-02	0|0	Cs8g12140.1/Cs8g121	6.79	0	0	2 MASCOT	T	PLEX8
3.14E-01	0|0	Cs8g12140.1/Cs8g121	6.75	0	0	2 MASCOT	T	
6.81E-02	0|0	Cs8g12140.1/Cs8g121	9.76	0	0	2 MASCOT	T	PLEX8
1.64E-02	0|0	Cs8g12140.1/Cs8g121	8.76	0	0	2 MASCOT	T	PLEX8
1.06E-02	0|0	Cs8g12140.1/Cs8g121	8.76	0	0	2 MASCOT	T	PLEX8
8.76E-02	0|0	Cs8g12140.1/Cs8g121	5.81	0	0	2 MASCOT	T	PLEX8
2.52E-01	0|0	Cs8g12140.1/Cs8g121	5.81	0	0	2 MASCOT	T	PLEX8
5.40E-02	0|0	Cs8g12140.1/Cs8g121	5.81	0	0	2 MASCOT	T	PLEX8
5.88E-02	0|0	Cs8g12140.1/Cs8g121	8.75	0	0	2 MASCOT	T	PLEX8
2.64E-01	0|0	Cs7g13480.1/Cs7g134	9.8	0	0	2 MASCOT	T	PLEX8
8.63E-02	0|0	Cs7g13480.1/Cs7g134	4.14	0	0	2 MASCOT	T	PLEX8
1.21E-02	0|0	Cs2g29960.1/Cs7g134	6	0	0	2 MASCOT	T	PLEX8
2.43E-02	0|0	Cs7g13480.1/Cs7g134	9.8	0	0	2 MASCOT	T	PLEX8
4.72E-04	0|0	Cs7g13480.1/Cs7g134	4.65	0	0	2 MASCOT	T	PLEX8
2.32E-01	0|0	Cs7g13480.1/Cs7g134	5.84	0	0	2 MASCOT	T	PLEX8

3.83E-01	0|0	Cs7g13480.1/Cs7g134	4.37	0	0	2	MASCOT	T		
2.38E-04	0|0	Cs2g29960.1/Cs7g134	4.53	0	0	2	MASCOT	T		
1.26E-01	0|0	Cs2g29960.1/Cs7g134	4.53	0	0	2	MASCOT	T		
5.69E-06	0|0	Cs2g29960.1/Cs7g134	4.53	0	0	2	MASCOT	T		
1.23E-01	0|0	Cs7g13480.1/Cs7g134	6.61	0	0	2	MASCOT	T	PLEX8	
2.17E-02	0|0	Cs7g13480.1/Cs7g134	5.81	0	0	2	MASCOT	T	PLEX8	
1.54E-01	0|0	Cs7g13480.1/Cs7g134	5.81	0	0	2	MASCOT	T	PLEX8	
1.56E-02	0|0	Cs2g29960.1/Cs7g134	5.97	0	0	2	MASCOT	T		
3.22E-02	0|0	Cs2g29960.1/Cs7g134	5.97	0	0	2	MASCOT	T		
1.89E-05	0|0	Cs1g14510.1/orange1.	4.14	0	0	2	MASCOT	T	PLEX8	
1.46E-03	0|0	Cs1g14510.1/orange1.	4.32	0	0	2	MASCOT	T	PLEX8	
4.64E-02	0|0	Cs1g14510.1/orange1.	4.53	0	0	2	MASCOT	T	PLEX8	
2.70E-02	0|0	Cs1g14510.1/orange1.	4.53	0	0	2	MASCOT	T	PLEX8	
1.32E-01	0|0	Cs1g14510.1/orange1.	4.53	0	0	2	MASCOT	T	PLEX8	
1.79E-01	0|0	Cs1g14510.1/orange1.	4.53	0	0	2	MASCOT	T	PLEX8	
6.49E-02	0|0	Cs1g14510.1/orange1.	4.79	1	0	2	MASCOT	T	PLEX8	
1.45E-04	0|0	Cs1g14510.1/orange1.	4	0	0	2	MASCOT	T		
3.07E-03	0|0	Cs1g14510.1/orange1.	4.53	0	0	2	MASCOT	T	PLEX8	
1.39E-01	0|0	Cs1g14510.1/orange1.	4.37	0	0	2	MASCOT	T	PLEX8	
1.67E-03	0|0	Cs1g14510.1/orange1.	4.37	0	0	2	MASCOT	T	PLEX8	
1.78E-02	0|0	Cs1g14510.1/orange1.	4.25	0	0	2	MASCOT	T	PLEX8	
2.08E-01	0|0	Cs1g14510.1/orange1.	6.05	0	0	2	MASCOT	T	PLEX8	
1.09E-02	0|0	Cs1g14510.1/orange1.	4.37	0	0	2	MASCOT	T	PLEX8	
4.45E-06	0|0	Cs2g09970.1/Cs3g261	4.14	0	0	2	MASCOT	T	PLEX8	
4.23E-02	0|0	Cs2g09970.1	4.72	0	0	2	MASCOT	T	PLEX8	
2.20E-01	0|0	Cs2g09970.1	4.72	0	0	2	MASCOT	T		
9.11E-03	0|0	Cs2g09970.1/Cs3g261	9.75	0	0	2	MASCOT	T		
6.30E-05	0|0	Cs2g09970.1	4.03	0	0	2	MASCOT	T		
4.61E-04	0|0	Cs2g09970.1/Cs8g196	6.83	0	0	2	MASCOT	T	PLEX8	
4.63E-03	0|0	Cs2g09970.1/Cs3g261	5.84	0	0	2	MASCOT	T	PLEX8	
3.27E-02	0|0	Cs2g09970.1/Cs3g261	6	0	0	2	MASCOT	T	PLEX8	
5.97E-02	0|0	Cs2g09970.1/Cs3g261	11	1	0	2	MASCOT	T	PLEX8	
1.18E-02	0|0	Cs2g09970.1/Cs3g261	11	1	0	2	MASCOT	T		
2.70E-03	0|0	Cs2g09970.1/Cs3g261	9.76	0	15.9	0	2	MASCOT	T	
2.19E-03	0|0	Cs2g09970.1/Cs6g074	8.5	0	0	2	MASCOT	T	PLEX8	
6.11E-03	0|0	Cs2g09970.1/Cs3g261	8.75	0	0	2	MASCOT	T	PLEX8	
8.75E-03	0|0	Cs8g09880.1/Cs8g107	4.37	0	0	2	MASCOT	T	PLEX8	
5.60E-02	0|0	Cs8g10730.1	5.88	0	0	2	MASCOT	T	PLEX8	
1.24E-01	0|0	Cs8g10730.1/Cs8g107	6.1	0	0	2	MASCOT	T	PLEX8	
1.63E-01	0|0	Cs8g09880.1/Cs8g107	4.37	0	0	2	MASCOT	T	PLEX8	
7.39E-02	0|0	Cs8g10730.1	5.84	0	0	2	MASCOT	T	PLEX8	
3.06E-02	0|0	Cs8g09880.1/Cs8g107	9.75	0	0	2	MASCOT	T		
3.40E-01	0|0	Cs8g10730.1/Cs8g107	4.25	0	15.9	0	2	MASCOT	T	PLEX8
3.12E-02	0|0	Cs8g10730.1/Cs8g107	4.25	0	0	2	MASCOT	T	PLEX8	
2.23E-02	0|0	Cs8g10730.1/Cs8g107	5.84	0	0	2	MASCOT	T	PLEX8	
6.02E-02	0|0	Cs8g09880.1/Cs8g107	8.75	0	0	2	MASCOT	T	PLEX8	
1.81E-04	0|0	Cs8g10730.1/Cs8g107	5.83	0	0	2	MASCOT	T	PLEX8	
5.74E-02	0|0	Cs8g10730.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.95E-02	0|0	Cs5g18500.1	4.65	0	15.9	0	2	MASCOT	T	PLEX8
4.09E-01	0|0	Cs5g18500.1	4.65	0	15.9	0	2	MASCOT	T	PLEX8
1.23E-03	0|0	Cs5g18500.1	4.65	0	15.9	0	2	MASCOT	T	PLEX8

3.64E-01 0|0	Cs5g18500.1	4.65	0	15.9	0	2	MASCOT	T	PLEX8
4.57E-02 0|0	Cs5g18500.1	4.65	0	15.9	0	2	MASCOT	T	PLEX8
4.39E-01 0|0	Cs5g18500.1	4.65	0	15.9	0	2	MASCOT	T	
1.98E-02 0|0	Cs5g18500.1	4.65	0	15.9	0	2	MASCOT	T	PLEX8
5.12E-02 0|0	Cs5g18500.1	4.65	0	15.9	0	2	MASCOT	T	PLEX8
4.47E-01 0|0	Cs5g18500.1	4.65	0	15.9	0	2	MASCOT	T	PLEX8
3.59E-01 0|0	Cs5g18500.1	4.65	0	15.9	0	2	MASCOT	T	
1.02E-01 0|0	Cs5g18500.1	4.65	0	15.9	0	2	MASCOT	T	
3.84E-03 0|0	Cs5g18500.1	4.65	0	15.9	0	2	MASCOT	T	
1.54E-02 0|0	Cs5g18500.1	4.65	0	15.9	0	2	MASCOT	T	
3.07E-06 0|0	Cs5g18500.1	4.65	0		0	2	MASCOT	T	PLEX8
2.92E-01 0|0	Cs5g18500.1	4.65	0		0	2	MASCOT	T	
2.40E-01 0|0	Cs5g18500.1	4.65	0		0	2	MASCOT	T	
4.43E-01 0|0	Cs5g18500.1	4.65	0		0	2	MASCOT	T	PLEX8
1.98E-01 0|0	Cs5g18500.1	4.65	0		0	2	MASCOT	T	PLEX8
1.91E-02 0|0	Cs5g18500.1	4.65	0		0	2	MASCOT	T	
6.61E-02 0|0	Cs5g18500.1	4.65	0		0	2	MASCOT	T	
3.29E-01 0|0	Cs5g18500.1	4.65	0		0	2	MASCOT	T	
8.66E-03 0|0	Cs5g18500.1/orange1.	4.25	0		0	2	MASCOT	T	PLEX8
1.33E-02 0|0	Cs5g18500.1/orange1.	4.25	0		0	2	MASCOT	T	PLEX8
1.08E-02 0|0	Cs5g18500.1/orange1.	4.25	0		0	2	MASCOT	T	PLEX8
1.10E-02 0|0	Cs5g18500.1/orange1.	4.25	0		0	2	MASCOT	T	PLEX8
2.20E-02 0|0	Cs5g18500.1/orange1.	4.25	0		0	2	MASCOT	T	PLEX8
1.12E-01 0|0	Cs5g18500.1	6	0		0	2	MASCOT	T	PLEX8
3.41E-03 0|0	Cs5g18500.1	6	0		0	2	MASCOT	T	PLEX8
6.63E-04 0|0	Cs5g18500.1	6	0		0	2	MASCOT	T	PLEX8
3.18E-03 0|0	Cs5g18500.1	6	0		0	2	MASCOT	T	PLEX8
1.16E-03 0|0	Cs5g18500.1	6	0		0	2	MASCOT	T	PLEX8
2.12E-02 0|0	Cs5g18500.1	6	0		0	2	MASCOT	T	PLEX8
1.13E-01 0|0	Cs5g18500.1	3.93	0		0	2	MASCOT	T	PLEX8
3.71E-02 0|0	Cs5g18500.1	3.93	0		0	2	MASCOT	T	PLEX8
1.91E-01 0|0	Cs5g18500.1	3.93	0		0	2	MASCOT	T	
4.30E-03 0|0	Cs5g18500.1	3.93	0		0	2	MASCOT	T	
8.70E-03 0|0	Cs5g18500.1	3.93	0		0	2	MASCOT	T	
7.82E-03 0|0	Cs5g18500.1	3.93	0		0	2	MASCOT	T	
1.92E-02 0|0	Cs5g18500.1	3.93	0		0	2	MASCOT	T	
5.73E-03 0|0	Cs5g18500.1	3.93	0		0	2	MASCOT	T	
8.33E-03 0|0	Cs5g18500.1	3.93	0		0	2	MASCOT	T	
4.14E-02 0|0	Cs5g18500.1	3.93	0		0	2	MASCOT	T	PLEX8
1.53E-01 0|0	Cs5g18500.1	5.84	0		0	2	MASCOT	T	PLEX8
1.34E-02 0|0	Cs5g18500.1	4.25	1		0	2	MASCOT	T	PLEX8
3.18E-02 0|0	Cs5g18500.1	4.25	1		0	2	MASCOT	T	PLEX8
1.99E-02 0|0	Cs5g18500.1	4.25	1		0	2	MASCOT	T	PLEX8
3.01E-02 0|0	Cs5g18500.1	4.37	0	15.9	0	2	MASCOT	T	
5.58E-02 0|0	Cs5g18500.1	4.37	0		0	2	MASCOT	T	
7.37E-03 0|0	Cs5g18500.1	4.37	0		0	2	MASCOT	T	
1.52E-02 0|0	Cs5g18500.1	4.37	0		0	2	MASCOT	T	
3.29E-02 0|0	Cs5g18500.1	4.37	0		0	2	MASCOT	T	PLEX8
1.65E-02 0|0	Cs5g18500.1	4.37	0		0	2	MASCOT	T	
9.50E-02 0|0	Cs5g18500.1	4.25	0		0	2	MASCOT	T	
1.36E-02 0|0	Cs5g18500.1	4.25	0		0	2	MASCOT	T	

1.13E-02	0|0	Cs5g18500.1	4.25	0	0	2	MASCOT	T
1.12E-04	0|0	Cs5g18500.1	4.25	0	0	2	MASCOT	T
2.25E-03	0|0	Cs5g18500.1	4.25	0	0	2	MASCOT	T
4.67E-03	0|0	Cs5g18500.1	4.25	0	0	2	MASCOT	T
6.33E-04	0|0	Cs5g18500.1	4.14	0	0	2	MASCOT	T PLEX8
4.98E-02	0|0	Cs5g18500.1	4.14	0	0	2	MASCOT	T PLEX8
1.73E-05	0|0	Cs5g18500.1	4.14	0	0	2	MASCOT	T PLEX8
6.11E-03	0|0	Cs5g18500.1	4.14	0	0	2	MASCOT	T PLEX8
1.00E-03	0|0	Cs5g18500.1	4.14	0	0	2	MASCOT	T PLEX8
6.87E-02	0|0	Cs5g18500.1	4.14	0	0	2	MASCOT	T PLEX8
4.46E-06	0|0	Cs5g18500.1	4.14	0	0	2	MASCOT	T PLEX8
8.83E-04	0|0	Cs5g18500.1	4.14	0	0	2	MASCOT	T PLEX8
6.95E-02	0|0	Cs5g18500.1	4.14	0	0	2	MASCOT	T PLEX8
4.19E-05	0|0	Cs5g18500.1	4.14	0	0	2	MASCOT	T PLEX8
8.29E-03	0|0	Cs5g18500.1	4.14	0	0	2	MASCOT	T PLEX8
7.01E-03	0|0	orange1.1t02015.1	4.37	0	0	2	MASCOT	T PLEX8
1.74E-01	0|0	orange1.1t02015.1	4.37	0	0	2	MASCOT	T PLEX8
2.41E-02	0|0	orange1.1t02015.1	4.37	0	0	2	MASCOT	T PLEX8
7.69E-02	0|0	orange1.1t02015.1	4.37	0	0	2	MASCOT	T PLEX8
9.30E-02	0|0	orange1.1t02015.1	4.37	0	0	2	MASCOT	T PLEX8
4.77E-02	0|0	orange1.1t02015.1	4.37	0	0	2	MASCOT	T PLEX8
1.25E-01	0|0	orange1.1t02015.1	4.37	0	0	2	MASCOT	T PLEX8
3.21E-02	0|0	orange1.1t02015.1	4.37	0	0	2	MASCOT	T PLEX8
1.54E-01	0|0	orange1.1t02015.1	3.93	0	0	2	MASCOT	T PLEX8
3.71E-02	0|0	orange1.1t02015.1	4.41	1	0	2	MASCOT	T PLEX8
8.35E-03	0|0	orange1.1t02015.1	4.41	1	0	2	MASCOT	T PLEX8
1.71E-02	0|0	orange1.1t02015.1	4.41	1	0	2	MASCOT	T
4.45E-01	0|0	orange1.1t02015.1	4.21	0	0	2	MASCOT	T PLEX8
1.92E-01	0|0	orange1.1t02015.1	4.21	0	0	2	MASCOT	T PLEX8
2.02E-02	0|0	orange1.1t02015.1	3.92	0	0	2	MASCOT	T PLEX8
3.49E-01	0|0	orange1.1t02015.1	4.53	0	0	2	MASCOT	T PLEX8
3.26E-03	0|0	orange1.1t02015.1	4.53	0	0	2	MASCOT	T PLEX8
2.92E-04	0|0	orange1.1t02015.1	4.53	0	0	2	MASCOT	T PLEX8
2.60E-04	0|0	orange1.1t02015.1	4.53	0	0	2	MASCOT	T PLEX8
4.83E-04	0|0	orange1.1t02015.1	4.53	0	0	2	MASCOT	T PLEX8
6.29E-03	0|0	orange1.1t02015.1	4.21	0	0	2	MASCOT	T
3.84E-03	0|0	orange1.1t02015.1	8.59	0 15.9	0	2	MASCOT	T PLEX8
6.06E-02	0|0	orange1.1t02015.1	8.59	0 15.9	0	2	MASCOT	T PLEX8
2.68E-01	0|0	orange1.1t02015.1	8.59	0 15.9	0	2	MASCOT	T PLEX8
3.75E-01	0|0	orange1.1t02015.1	8.59	0	0	2	MASCOT	T PLEX8
1.27E-01	0|0	orange1.1t02015.1	8.59	0	0	2	MASCOT	T PLEX8
1.73E-03	0|0	orange1.1t02015.1	8.59	0	0	2	MASCOT	T PLEX8
1.94E-03	0|0	orange1.1t02015.1	8.59	0	0	2	MASCOT	T PLEX8
1.31E-04	0|0	orange1.1t02015.1	8.59	0	0	2	MASCOT	T PLEX8
8.75E-02	0|0	orange1.1t02015.1	8.59	0	0	2	MASCOT	T PLEX8
2.00E-04	0|0	orange1.1t02015.1	8.59	0	0	2	MASCOT	T PLEX8
1.71E-01	0|0	orange1.1t02015.1	8.59	0	0	2	MASCOT	T PLEX8
2.76E-04	0|0	orange1.1t02015.1	8.59	0	0	2	MASCOT	T PLEX8
1.14E-03	0|0	orange1.1t02015.1	4.37	0 15.9	0	2	MASCOT	T
3.69E-02	0|0	orange1.1t02015.1	4.37	0 15.9	0	2	MASCOT	T
5.36E-01	0|0	orange1.1t02015.1	4.37	0 15.9	0	2	MASCOT	T

1.98E-02	0|0	orange1.1t02015.1	4.37	0	0	2 MASCOT	T	PLEX8
2.42E-03	0|0	orange1.1t02015.1	4.37	0	0	2 MASCOT	T	
2.78E-02	0|0	orange1.1t02015.1	4.37	0	0	2 MASCOT	T	PLEX8
2.72E-01	0|0	orange1.1t02015.1	4.37	0	0	2 MASCOT	T	
1.02E-01	0|0	orange1.1t02015.1	4.37	0	0	2 MASCOT	T	
2.39E-02	0|0	orange1.1t02015.1	4.37	0	0	2 MASCOT	T	
1.42E-01	0|0	orange1.1t02015.1	4.37	0	0	2 MASCOT	T	
1.68E-01	0|0	orange1.1t02015.1	4.37	0	0	2 MASCOT	T	
1.81E-03	0|0	orange1.1t02015.1	4.37	0	0	2 MASCOT	T	
1.06E-02	0|0	orange1.1t02015.1	4.37	0	0	2 MASCOT	T	
3.72E-01	0|0	orange1.1t02015.1	4.37	0	0	2 MASCOT	T	
3.34E-02	0|0	orange1.1t02015.1	4.37	0	0	2 MASCOT	T	PLEX8
5.18E-03	0|0	orange1.1t02015.1	4.37	0	0	2 MASCOT	T	PLEX8
3.73E-01	0|0	orange1.1t02015.1	9.72	0	0	2 MASCOT	T	
1.06E-02	0|0	orange1.1t02015.1	9.72	0	0	2 MASCOT	T	PLEX8
4.16E-04	0|0	orange1.1t02015.1	9.72	0	0	2 MASCOT	T	PLEX8
8.05E-02	0|0	orange1.1t02015.1	9.72	0	0	2 MASCOT	T	PLEX8
2.38E-01	0|0	orange1.1t02015.1	9.72	0	0	2 MASCOT	T	PLEX8
9.49E-02	0|0	orange1.1t02015.1	9.72	0	0	2 MASCOT	T	PLEX8
1.75E-01	0|0	orange1.1t02015.1	9.72	0	0	2 MASCOT	T	PLEX8
8.46E-02	0|0	orange1.1t02015.1	9.72	0	0	2 MASCOT	T	PLEX8
3.81E-02	0|0	orange1.1t02015.1	9.72	0	0	2 MASCOT	T	PLEX8
1.15E-01	0|0	orange1.1t02015.1	9.72	0	0	2 MASCOT	T	PLEX8
8.79E-02	0|0	orange1.1t02015.1	9.72	0	0	2 MASCOT	T	PLEX8
7.72E-02	0|0	orange1.1t02015.1	9.72	0	0	2 MASCOT	T	PLEX8
6.80E-02	0|0	orange1.1t02015.1	9.72	0	0	2 MASCOT	T	PLEX8
1.75E-01	0|0	orange1.1t02015.1	9.72	0	0	2 MASCOT	T	PLEX8
5.17E-02	0|0	orange1.1t02015.1	9.72	0	0	2 MASCOT	T	PLEX8
6.19E-02	0|0	orange1.1t02015.1	9.72	0	0	2 MASCOT	T	PLEX8
1.47E-01	0|0	orange1.1t02015.1	9.72	0	0	2 MASCOT	T	PLEX8
1.43E-01	0|0	orange1.1t02623.1	5.88	0	0	2 MASCOT	T	PLEX8
7.71E-04	0|0	orange1.1t02623.1	5.88	0	0	2 MASCOT	T	PLEX8
5.09E-03	0|0	orange1.1t02623.1	5.88	0	0	2 MASCOT	T	PLEX8
3.27E-05	0|0	orange1.1t02623.1	5.88	0	0	2 MASCOT	T	PLEX8
8.44E-02	0|0	orange1.1t02623.1	5.88	0	0	2 MASCOT	T	PLEX8
1.60E-05	0|0	orange1.1t02623.1	5.88	0	0	2 MASCOT	T	PLEX8
1.24E-02	0|0	orange1.1t02623.1	5.88	0	0	2 MASCOT	T	PLEX8
3.10E-01	0|0	orange1.1t02623.1	5.88	0	0	2 MASCOT	T	
6.11E-04	0|0	orange1.1t02623.1	5.88	0	0	2 MASCOT	T	
2.53E-03	0|0	orange1.1t02623.1	5.88	0	0	2 MASCOT	T	
7.30E-03	0|0	orange1.1t02623.1	5.88	0	0	2 MASCOT	T	
8.11E-04	0|0	orange1.1t02623.1	5.88	0	0	2 MASCOT	T	
5.70E-07	0|0	orange1.1t02623.1	5.88	0	0	2 MASCOT	T	
1.43E-05	0|0	orange1.1t02623.1	5.88	0	0	2 MASCOT	T	PLEX8
5.94E-03	0|0	orange1.1t02623.1	5.88	0	0	2 MASCOT	T	PLEX8
2.43E-01	0|0	orange1.1t02623.1	6.1	0	15.9	0	2 MASCOT	T
6.55E-03	0|0	orange1.1t02623.1	6.1	0	15.9	0	2 MASCOT	T
1.47E-02	0|0	orange1.1t02623.1	6.1	0	0	2 MASCOT	T	
4.93E-02	0|0	orange1.1t02623.1	6.1	0	0	2 MASCOT	T	
1.98E-01	0|0	orange1.1t02623.1	4.53	0	0	2 MASCOT	T	PLEX8
1.83E-01	0|0	orange1.1t02623.1	4.53	0	0	2 MASCOT	T	PLEX8

2.52E-01	0|0	orange1.1t02623.1	5.99	0	0	2	MASCOT	T	PLEX8
7.48E-02	0|0	orange1.1t02623.1	5.99	0	0	2	MASCOT	T	PLEX8
1.04E-02	0|0	orange1.1t02623.1	5.99	0	0	2	MASCOT	T	PLEX8
2.08E-01	0|0	orange1.1t02623.1	8.75	0	0	2	MASCOT	T	PLEX8
3.87E-03	0|0	orange1.1t02623.1	8.75	0	0	2	MASCOT	T	
3.16E-02	0|0	orange1.1t02623.1	8.75	0	0	2	MASCOT	T	
2.88E-03	0|0	orange1.1t02623.1	4.37	0	0	2	MASCOT	T	PLEX8
5.23E-01	0|0	orange1.1t02623.1	4.37	0	0	2	MASCOT	T	PLEX8
7.96E-02	0|0	orange1.1t02623.1	4.37	0	0	2	MASCOT	T	PLEX8
7.17E-02	0|0	orange1.1t02623.1	4.37	0	0	2	MASCOT	T	PLEX8
9.28E-06	0|0	orange1.1t02623.1	4.37	0	0	2	MASCOT	T	PLEX8
1.59E-04	0|0	orange1.1t02623.1	4.37	0	0	2	MASCOT	T	
7.76E-04	0|0	orange1.1t02623.1	4.37	0	0	2	MASCOT	T	PLEX8
2.04E-03	0|0	orange1.1t02623.1	4.37	0	0	2	MASCOT	T	PLEX8
1.03E-03	0|0	orange1.1t02623.1	4.37	0	0	2	MASCOT	T	PLEX8
1.59E-03	0|0	orange1.1t02623.1	4.37	0	0	2	MASCOT	T	
1.88E-03	0|0	orange1.1t02623.1	4.53	0	0	2	MASCOT	T	PLEX8
4.29E-03	0|0	orange1.1t02623.1	4.53	0	0	2	MASCOT	T	PLEX8
7.76E-04	0|0	orange1.1t02623.1	4.53	0	0	2	MASCOT	T	PLEX8
4.65E-02	0|0	orange1.1t02623.1	4.53	0	0	2	MASCOT	T	PLEX8
1.96E-01	0|0	orange1.1t02623.1	4.53	0	0	2	MASCOT	T	PLEX8
4.27E-02	0|0	orange1.1t02623.1	4.53	0	0	2	MASCOT	T	PLEX8
2.12E-04	0|0	orange1.1t02623.1	4.53	0	0	2	MASCOT	T	PLEX8
4.04E-02	0|0	orange1.1t02623.1	5.55	0	0	2	MASCOT	T	PLEX8
2.36E-02	0|0	orange1.1t02623.1	5.55	0	0	2	MASCOT	T	PLEX8
1.87E-02	0|0	orange1.1t02623.1	5.55	0	0	2	MASCOT	T	PLEX8
4.37E-03	0|0	orange1.1t02623.1	5.55	0	0	2	MASCOT	T	PLEX8
1.26E-02	0|0	orange1.1t02623.1	5.55	0	0	2	MASCOT	T	PLEX8
1.48E-04	0|0	orange1.1t02623.1	5.55	0	0	2	MASCOT	T	PLEX8
3.14E-06	0|0	orange1.1t02623.1	5.55	0	0	2	MASCOT	T	PLEX8
9.28E-03	0|0	orange1.1t02623.1	5.55	0	0	2	MASCOT	T	PLEX8
1.58E-01	0|0	orange1.1t02623.1	5.55	0	0	2	MASCOT	T	PLEX8
2.24E-01	0|0	orange1.1t02623.1	5.55	0	0	2	MASCOT	T	
5.35E-03	0|0	orange1.1t02623.1	5.55	0	0	2	MASCOT	T	PLEX8
4.32E-03	0|0	orange1.1t02623.1	5.55	0	0	2	MASCOT	T	
9.72E-04	0|0	orange1.1t02623.1	6	0	15.9	0	2	MASCOT	T
1.21E-06	0|0	orange1.1t02623.1	6	0	15.9	0	2	MASCOT	T
2.26E-03	0|0	orange1.1t02623.1	6	0	0	2	MASCOT	T	
2.04E-05	0|0	orange1.1t02623.1	6	0	0	2	MASCOT	T	
7.72E-09	0|0	orange1.1t02623.1	6	0	0	2	MASCOT	T	
1.18E-01	0|0	orange1.1t02623.1	6.14	1	0	2	MASCOT	T	PLEX8
1.15E-01	0|0	Cs1g11670.1/Cs1g116	6.05	0	0	2	MASCOT	T	PLEX8
9.53E-02	0|0	Cs1g11670.1/Cs1g116	4.21	0	0	2	MASCOT	T	PLEX8
1.28E-02	0|0	Cs1g11670.1/Cs1g116	4.21	0	0	2	MASCOT	T	PLEX8
2.56E-03	0|0	Cs1g11670.1/Cs1g116	4.21	0	0	2	MASCOT	T	PLEX8
3.52E-01	0|0	Cs1g11670.1/Cs1g116	4.21	0	0	2	MASCOT	T	PLEX8
2.88E-02	0|0	Cs1g11670.1/Cs1g116	4.21	0	0	2	MASCOT	T	PLEX8
2.33E-02	0|0	Cs1g11670.1/Cs1g116	4.21	0	0	2	MASCOT	T	PLEX8
2.80E-01	0|0	Cs1g11670.1/Cs1g116	4.21	0	0	2	MASCOT	T	PLEX8
8.09E-02	0|0	Cs1g11670.1/Cs1g116	4.21	0	0	2	MASCOT	T	
1.13E-01	0|0	Cs1g11670.1/Cs1g116	8.76	0	0	2	MASCOT	T	PLEX8

1.30E-01	0|0	Cs1g11670.1/Cs1g116	8.76	0	0	2	MASCOT	T	PLEX8	
1.96E-01	0|0	Cs1g11670.1/Cs1g116	8.76	0	0	2	MASCOT	T	PLEX8	
2.39E-01	0|0	Cs1g11670.1/Cs1g116	8.76	0	0	2	MASCOT	T		
1.73E-01	0|0	Cs1g11670.1/Cs1g116	8.76	0	0	2	MASCOT	T	PLEX8	
3.03E-01	0|0	Cs1g11670.1/Cs1g116	5.83	0	0	2	MASCOT	T	PLEX8	
5.13E-04	0|0	Cs1g11670.1/Cs1g116	4.25	0	15.9	0	2	MASCOT	T	PLEX8
7.44E-04	0|0	Cs1g11670.1/Cs1g116	4.25	0	15.9	0	2	MASCOT	T	PLEX8
2.67E-02	0|0	Cs1g11670.1/Cs1g116	4.25	0	15.9	0	2	MASCOT	T	PLEX8
6.50E-03	0|0	Cs1g11670.1/Cs1g116	4.25	0	0	2	MASCOT	T	PLEX8	
7.69E-02	0|0	Cs1g11670.1/Cs1g116	4.25	0	0	2	MASCOT	T	PLEX8	
3.19E-03	0|0	Cs1g11670.1/Cs1g116	4.25	0	0	2	MASCOT	T	PLEX8	
1.68E-03	0|0	Cs1g11670.1/Cs1g116	5.84	0	0	2	MASCOT	T	PLEX8	
1.87E-05	0|0	Cs1g11670.1/Cs1g116	5.84	0	0	2	MASCOT	T	PLEX8	
5.81E-02	0|0	Cs1g11670.1/Cs1g116	5.84	0	0	2	MASCOT	T	PLEX8	
2.61E-06	0|0	Cs1g11670.1/Cs1g116	5.84	0	0	2	MASCOT	T	PLEX8	
1.77E-01	0|0	Cs1g11670.1/Cs1g116	5.84	0	0	2	MASCOT	T	PLEX8	
2.74E-02	0|0	Cs1g11670.1/Cs1g116	5.84	0	0	2	MASCOT	T	PLEX8	
1.67E-01	0|0	Cs1g11670.1/Cs1g116	5.84	0	0	2	MASCOT	T	PLEX8	
4.56E-01	0|0	Cs1g11670.1/Cs1g116	5.84	0	0	2	MASCOT	T	PLEX8	
4.80E-03	0|0	Cs1g11670.1/Cs1g116	5.84	0	0	2	MASCOT	T	PLEX8	
4.70E-02	0|0	Cs1g11670.1/Cs1g116	5.84	0	0	2	MASCOT	T	PLEX8	
2.65E-02	0|0	Cs1g11670.1/Cs1g116	5.84	0	0	2	MASCOT	T	PLEX8	
2.46E-04	0|0	Cs1g11670.1/Cs1g116	5.84	0	0	2	MASCOT	T	PLEX8	
9.90E-04	0|0	Cs1g11670.1/Cs1g116	5.84	0	0	2	MASCOT	T	PLEX8	
7.87E-02	0|0	Cs1g11670.1/Cs1g116	5.84	0	0	2	MASCOT	T	PLEX8	
2.64E-01	0|0	Cs1g11670.1/Cs1g116	5.4	0	0	2	MASCOT	T	PLEX8	
4.00E-03	0|0	Cs1g11670.1/Cs1g116	5.4	0	0	2	MASCOT	T	PLEX8	
3.29E-01	0|0	Cs1g11670.1/Cs1g116	5.4	0	0	2	MASCOT	T	PLEX8	
2.39E-01	0|0	Cs1g11670.1/Cs1g116	5.4	0	0	2	MASCOT	T	PLEX8	
1.05E-01	0|0	Cs1g11670.1/Cs1g116	5.4	0	0	2	MASCOT	T	PLEX8	
1.66E-02	0|0	Cs1g11670.1/Cs1g116	5.4	0	0	2	MASCOT	T	PLEX8	
7.32E-02	0|0	Cs1g11670.1/Cs1g116	5.4	0	0	2	MASCOT	T	PLEX8	
6.59E-02	0|0	Cs1g11670.1/Cs1g116	5.4	0	0	2	MASCOT	T	PLEX8	
2.84E-01	0|0	Cs1g11670.1/Cs1g116	8.69	0	0	2	MASCOT	T	PLEX8	
1.89E-03	0|0	Cs1g11670.1/Cs1g116	8.69	0	0	2	MASCOT	T	PLEX8	
6.80E-02	0|0	Cs1g11670.1/Cs1g116	8.69	0	0	2	MASCOT	T	PLEX8	
2.25E-02	0|0	Cs1g11670.1/Cs1g116	5.5	0	0	2	MASCOT	T	PLEX8	
3.35E-02	0|0	Cs1g11670.1/Cs1g116	5.5	0	0	2	MASCOT	T	PLEX8	
1.63E-02	0|0	Cs1g11670.1/Cs1g116	5.5	0	0	2	MASCOT	T	PLEX8	
5.50E-03	0|0	Cs1g11670.1/Cs1g116	5.5	0	0	2	MASCOT	T	PLEX8	
9.45E-03	0|0	Cs1g11670.1/Cs1g116	5.5	0	0	2	MASCOT	T	PLEX8	
1.08E-03	0|0	Cs1g11670.1/Cs1g116	5.5	0	0	2	MASCOT	T	PLEX8	
8.58E-02	0|0	Cs1g11670.1/Cs1g116	5.5	0	0	2	MASCOT	T	PLEX8	
7.28E-03	0|0	Cs1g11670.1/Cs1g116	5.5	0	0	2	MASCOT	T	PLEX8	
3.97E-01	0|0	Cs1g11670.1/Cs1g116	5.5	0	0	2	MASCOT	T	PLEX8	
8.16E-02	0|0	Cs1g11670.1/Cs1g116	5.97	0	0	2	MASCOT	T	PLEX8	
4.34E-02	0|0	Cs1g11670.1/Cs1g116	5.97	0	0	2	MASCOT	T	PLEX8	
3.97E-03	0|0	Cs6g17520.1	9.8	0	0	2	MASCOT	T	PLEX8	
7.59E-03	0|0	Cs6g17520.1	6.1	0	0	2	MASCOT	T	PLEX8	
1.11E-01	0|0	Cs6g17520.1	6.1	0	0	2	MASCOT	T	PLEX8	
2.30E-03	0|0	Cs6g17520.1	6.1	0	0	2	MASCOT	T	PLEX8	

2.75E-02 0|0	Cs6g17520.1	6.1	0	0	2 MASCOT	T	PLEX8
2.49E-01 0|0	Cs6g17520.1	6.74	0 15.9	0	2 MASCOT	T	PLEX8
1.26E-01 0|0	Cs6g17520.1	6.74	0 15.9	0	2 MASCOT	T	PLEX8
7.90E-02 0|0	Cs6g17520.1	6.74	0	0	2 MASCOT	T	PLEX8
2.01E-01 0|0	Cs6g17520.1	6.07	0	0	2 MASCOT	T	
8.02E-02 0|0	Cs6g17520.1	6.74	0	0	2 MASCOT	T	PLEX8
7.55E-04 0|0	Cs6g17520.1	6.74	0	0	2 MASCOT	T	PLEX8
5.42E-03 0|0	Cs6g17520.1	6.74	0	0	2 MASCOT	T	PLEX8
1.46E-02 0|0	Cs6g17520.1	5.5	0 15.9	0	2 MASCOT	T	PLEX8
2.51E-02 0|0	Cs6g17520.1	5.5	0 15.9	0	2 MASCOT	T	PLEX8
1.91E-02 0|0	Cs6g17520.1	5.5	0 15.9	0	2 MASCOT	T	PLEX8
5.92E-03 0|0	Cs6g17520.1	5.5	0 15.9	0	2 MASCOT	T	PLEX8
2.51E-01 0|0	Cs6g17520.1	5.5	0 15.9	0	2 MASCOT	T	PLEX8
2.20E-02 0|0	Cs6g17520.1	5.5	0 15.9	0	2 MASCOT	T	PLEX8
4.65E-02 0|0	Cs6g17520.1	5.5	0 15.9	0	2 MASCOT	T	PLEX8
2.39E-02 0|0	Cs6g17520.1	5.5	0	0	2 MASCOT	T	PLEX8
1.13E-03 0|0	Cs6g17520.1	5.5	0	0	2 MASCOT	T	PLEX8
1.09E-02 0|0	Cs6g17520.1	5.5	0	0	2 MASCOT	T	PLEX8
2.06E-02 0|0	Cs6g17520.1	5.5	0	0	2 MASCOT	T	PLEX8
9.21E-02 0|0	Cs6g17520.1	5.5	0	0	2 MASCOT	T	PLEX8
4.43E-04 0|0	Cs6g17520.1	5.5	0	0	2 MASCOT	T	PLEX8
9.97E-03 0|0	Cs6g17520.1	5.5	0	0	2 MASCOT	T	PLEX8
5.32E-04 0|0	Cs6g17520.1	5.81	0	0	2 MASCOT	T	PLEX8
1.67E-03 0|0	Cs6g17520.1	5.81	0	0	2 MASCOT	T	PLEX8
3.58E-03 0|0	Cs6g17520.1	5.81	0	0	2 MASCOT	T	PLEX8
1.39E-02 0|0	Cs6g17520.1	5.81	0	0	2 MASCOT	T	PLEX8
2.46E-01 0|0	Cs6g17520.1	5.81	0	0	2 MASCOT	T	PLEX8
1.13E-04 0|0	Cs6g17520.1	5.81	0	0	2 MASCOT	T	PLEX8
9.95E-02 0|0	Cs6g17520.1	5.81	0	0	2 MASCOT	T	PLEX8
6.60E-02 0|0	Cs6g17520.1	5.81	0	0	2 MASCOT	T	PLEX8
5.74E-02 0|0	Cs6g17520.1	5.81	0	0	2 MASCOT	T	
5.34E-03 0|0	Cs6g17520.1	3.92	0	0	2 MASCOT	T	
2.66E-01 0|0	Cs6g17520.1	6	0	0	2 MASCOT	T	PLEX8
1.50E-02 0|0	Cs6g17520.1	6	0	0	2 MASCOT	T	PLEX8
1.34E-04 0|0	Cs6g17520.1	6	0	0	2 MASCOT	T	PLEX8
4.31E-03 0|0	Cs6g17520.1	6	0	0	2 MASCOT	T	PLEX8
7.37E-02 0|0	Cs6g17520.1	4.53	0	0	2 MASCOT	T	PLEX8
1.40E-01 0|0	Cs6g17520.1	4.53	0	0	2 MASCOT	T	PLEX8
1.15E-02 0|0	Cs6g17520.1	4.53	0	0	2 MASCOT	T	PLEX8
1.14E-01 0|0	Cs6g17520.1	4.53	0	0	2 MASCOT	T	PLEX8
1.18E-02 0|0	Cs6g17520.1	4.53	0	0	2 MASCOT	T	PLEX8
1.16E-01 0|0	Cs6g17520.1	4.53	0	0	2 MASCOT	T	PLEX8
2.07E-02 0|0	Cs6g17520.1	4.53	0	0	2 MASCOT	T	PLEX8
7.14E-03 0|0	Cs6g17520.1	4.53	0	0	2 MASCOT	T	PLEX8
5.42E-02 0|0	Cs1g20220.1/Cs1g202	6.05	0	0	2 MASCOT	T	PLEX8
1.20E-01 0|0	Cs1g20220.1/Cs1g202	6.05	0	0	2 MASCOT	T	PLEX8
1.59E-02 0|0	Cs1g20220.1/Cs1g202	6.05	0	0	2 MASCOT	T	PLEX8
2.17E-01 0|0	Cs1g20220.1/Cs1g202	6.05	0	0	2 MASCOT	T	PLEX8
4.68E-06 0|0	Cs1g20220.1/Cs1g202	5.21	0	0	2 MASCOT	T	PLEX8
2.65E-01 0|0	Cs1g20220.1/Cs1g202	5.21	0	0	2 MASCOT	T	PLEX8
6.28E-07 0|0	Cs1g20220.1/Cs1g202	5.21	0	0	2 MASCOT	T	PLEX8

2.87E-06	0|0	Cs1g20220.1/Cs1g202	5.21	0	0	2	MASCOT	T	PLEX8
3.08E-03	0|0	Cs1g20220.1/Cs1g202	5.21	0	0	2	MASCOT	T	PLEX8
6.04E-07	0|0	Cs1g20220.1/Cs1g202	5.21	0	0	2	MASCOT	T	
2.82E-02	0|0	Cs1g20220.1/Cs1g202	5.21	0	0	2	MASCOT	T	
2.02E-01	0|0	Cs1g20220.1/Cs1g202	5.84	0	0	2	MASCOT	T	
1.53E-01	0|0	Cs1g20220.1/Cs1g202	4.53	0	0	2	MASCOT	T	PLEX8
6.40E-03	0|0	Cs1g20220.1/Cs1g202	5.32	0	0	2	MASCOT	T	PLEX8
6.56E-03	0|0	Cs1g20220.1/Cs1g202	5.32	0	0	2	MASCOT	T	PLEX8
7.84E-03	0|0	Cs1g20220.1/Cs1g202	5.32	0	0	2	MASCOT	T	PLEX8
2.55E-03	0|0	Cs1g20220.1/Cs1g202	5.32	0	0	2	MASCOT	T	PLEX8
2.47E-03	0|0	Cs1g20220.1/Cs1g202	5.32	0	0	2	MASCOT	T	PLEX8
8.70E-03	0|0	Cs1g20220.1/Cs1g202	5.32	0	0	2	MASCOT	T	
1.91E-01	0|0	Cs1g20220.1/Cs1g202	5.32	0	0	2	MASCOT	T	
6.32E-04	0|0	Cs1g20220.1/Cs1g202	4.14	0	0	2	MASCOT	T	PLEX8
1.04E-01	0|0	Cs1g20220.1/Cs1g202	6.1	0	0	2	MASCOT	T	PLEX8
7.05E-04	0|0	Cs1g20220.1/Cs1g202	6.1	0	0	2	MASCOT	T	PLEX8
1.62E-02	0|0	Cs1g20220.1/Cs1g202	6.1	0	0	2	MASCOT	T	PLEX8
6.24E-03	0|0	Cs1g20220.1/Cs1g202	6.1	0	0	2	MASCOT	T	PLEX8
6.45E-02	0|0	Cs1g20220.1/Cs1g202	6.1	0	0	2	MASCOT	T	PLEX8
1.50E-01	0|0	Cs1g20220.1/Cs1g202	6	0	0	2	MASCOT	T	PLEX8
4.76E-02	0|0	Cs1g20220.1/Cs1g202	6	0	0	2	MASCOT	T	PLEX8
1.01E-01	0|0	Cs1g20220.1/Cs1g202	6	0	0	2	MASCOT	T	PLEX8
1.31E-02	0|0	Cs1g20220.1/Cs1g202	6	0	0	2	MASCOT	T	PLEX8
1.41E-01	0|0	Cs1g20220.1/Cs1g202	6	0	0	2	MASCOT	T	PLEX8
5.84E-01	0|0	Cs1g20220.1/Cs1g202	6	0	0	2	MASCOT	T	PLEX8
2.16E-01	0|0	Cs1g20220.1/Cs1g202	8.59	0	0	2	MASCOT	T	PLEX8
7.83E-03	0|0	Cs1g20220.1/Cs1g202	8.59	0	0	2	MASCOT	T	PLEX8
2.11E-02	0|0	Cs1g20220.1/Cs1g202	8.59	0	0	2	MASCOT	T	PLEX8
4.75E-02	0|0	Cs1g20220.1/Cs1g202	8.59	0	0	2	MASCOT	T	PLEX8
2.21E-01	0|0	Cs1g20220.1/Cs1g202	8.59	0	0	2	MASCOT	T	PLEX8
4.29E-03	0|0	Cs1g20220.1/Cs1g202	8.59	0	0	2	MASCOT	T	PLEX8
1.78E-02	0|0	Cs1g20220.1/Cs1g202	8.59	0	0	2	MASCOT	T	PLEX8
1.09E-01	0|0	Cs1g20220.1/Cs1g202	8.59	0	0	2	MASCOT	T	PLEX8
4.07E-02	0|0	Cs1g20220.1/Cs1g202	8.59	0	0	2	MASCOT	T	PLEX8
5.17E-02	0|0	Cs1g20220.1/Cs1g202	8.59	0	0	2	MASCOT	T	
5.08E-02	0|0	Cs1g20220.1/Cs1g202	8.59	0	0	2	MASCOT	T	
2.10E-01	0|0	Cs1g20220.1/Cs1g202	6	0	0	2	MASCOT	T	
3.14E-01	0|0	Cs1g20220.1/Cs1g202	6	0	0	2	MASCOT	T	
2.52E-01	0|0	Cs1g20220.1/Cs1g202	6	0	0	2	MASCOT	T	
2.09E-03	0|0	Cs5g10730.1	8.79	0	15.9	0	2	MASCOT	T
4.79E-06	0|0	Cs5g10730.1	8.79	0	15.9	0	2	MASCOT	T
1.56E-03	0|0	Cs5g10730.1	8.79	0	0	2	MASCOT	T	
1.31E-04	0|0	Cs5g10730.1	8.79	0	0	2	MASCOT	T	
1.88E-04	0|0	Cs5g10730.1	8.79	0	0	2	MASCOT	T	
5.26E-02	0|0	Cs5g10730.1	6.19	0	0	2	MASCOT	T	PLEX8
1.84E-01	0|0	Cs5g10730.1	6.19	0	0	2	MASCOT	T	PLEX8
7.30E-03	0|0	Cs5g10730.1	8.75	0	0	2	MASCOT	T	PLEX8
4.26E-02	0|0	Cs5g10730.1	8.75	0	0	2	MASCOT	T	PLEX8
6.65E-02	0|0	Cs5g10730.1	8.75	0	0	2	MASCOT	T	PLEX8
1.40E-01	0|0	Cs5g10730.1	8.75	0	0	2	MASCOT	T	PLEX8
1.72E-01	0|0	Cs5g10730.1	5.84	0	0	2	MASCOT	T	PLEX8

1.37E-02 0|0	Cs5g10730.1	5.84	0	0	2 MASCOT	T	
5.98E-02 0|0	Cs2g05040.1/Cs5g107	5.84	0	0	2 MASCOT	T	PLEX8
2.72E-01 0|0	Cs2g05040.1/Cs5g107	5.84	0	0	2 MASCOT	T	
5.96E-02 0|0	Cs2g05040.1/Cs5g107	5.84	0	0	2 MASCOT	T	
1.04E-02 0|0	Cs2g05040.1/Cs5g107	5.84	0	0	2 MASCOT	T	
2.64E-06 0|0	Cs2g05040.1/Cs5g107	5.84	0	0	2 MASCOT	T	
1.28E-02 0|0	Cs2g05040.1/Cs5g107	5.84	0	0	2 MASCOT	T	
3.90E-01 0|0	Cs5g10730.1	6.49	0 15.9	0	2 MASCOT	T	
4.52E-02 0|0	Cs5g10730.1	8.8	0	0	2 MASCOT	T	PLEX8
1.10E-01 0|0	Cs5g10730.1	8.8	0	0	2 MASCOT	T	PLEX8
7.03E-02 0|0	Cs5g10730.1	8.8	0	0	2 MASCOT	T	PLEX8
4.37E-02 0|0	Cs5g10730.1	8.8	0	0	2 MASCOT	T	PLEX8
1.54E-02 0|0	Cs5g10730.1	8.8	0	0	2 MASCOT	T	PLEX8
1.19E-06 0|0	Cs5g10730.1	4.21	0	0	2 MASCOT	T	PLEX8
4.47E-05 0|0	Cs5g10730.1	4.21	0	0	2 MASCOT	T	PLEX8
1.08E-01 0|0	Cs5g10730.1	4.21	0	0	2 MASCOT	T	PLEX8
7.84E-03 0|0	Cs5g10730.1	4.21	0	0	2 MASCOT	T	PLEX8
1.79E-01 0|0	Cs5g10730.1	6	0	0	2 MASCOT	T	PLEX8
3.51E-02 0|0	Cs5g10730.1	6	0	0	2 MASCOT	T	PLEX8
8.83E-02 0|0	Cs5g10730.1	4.53	0	0	2 MASCOT	T	PLEX8
2.90E-03 0|0	Cs5g10730.1	4.53	0	0	2 MASCOT	T	PLEX8
1.86E-04 0|0	Cs5g10730.1	4.53	0	0	2 MASCOT	T	PLEX8
8.86E-02 0|0	Cs5g10730.1	4.53	0	0	2 MASCOT	T	PLEX8
5.95E-02 0|0	Cs5g10730.1	4.53	0	0	2 MASCOT	T	PLEX8
9.20E-04 0|0	Cs5g10730.1	4.53	0	0	2 MASCOT	T	PLEX8
4.71E-05 0|0	Cs5g10730.1	4.53	0	0	2 MASCOT	T	PLEX8
1.91E-03 0|0	Cs5g10730.1	4.53	0	0	2 MASCOT	T	PLEX8
2.33E-03 0|0	Cs5g10730.1	4.53	0	0	2 MASCOT	T	PLEX8
5.94E-06 0|0	Cs5g10730.1	4.53	0	0	2 MASCOT	T	PLEX8
2.36E-01 0|0	Cs5g10730.1	4.53	0	0	2 MASCOT	T	PLEX8
2.66E-02 0|0	Cs8g03710.1	5.88	0	0	2 MASCOT	T	
1.74E-04 0|0	Cs8g03710.1	5.88	0	0	2 MASCOT	T	
8.57E-02 0|0	Cs8g03710.1	4.53	0	0	2 MASCOT	T	PLEX8
5.39E-02 0|0	Cs8g03710.1	4.53	0	0	2 MASCOT	T	PLEX8
8.47E-03 0|0	Cs8g03710.1	4.53	0	0	2 MASCOT	T	PLEX8
2.99E-01 0|0	Cs8g03710.1	4.53	0	0	2 MASCOT	T	PLEX8
2.27E-02 0|0	Cs8g03710.1	4.53	0	0	2 MASCOT	T	PLEX8
1.20E-02 0|0	Cs8g03710.1	4.53	0	0	2 MASCOT	T	PLEX8
4.02E-03 0|0	Cs8g03710.1	6	0 15.9	0	2 MASCOT	T	PLEX8
7.71E-04 0|0	Cs8g03710.1	6	0 15.9	0	2 MASCOT	T	PLEX8
3.33E-02 0|0	Cs8g03710.1	6	0 15.9	0	2 MASCOT	T	PLEX8
4.03E-04 0|0	Cs8g03710.1	6	0 15.9	0	2 MASCOT	T	PLEX8
9.84E-03 0|0	Cs8g03710.1	6	0 15.9	0	2 MASCOT	T	PLEX8
2.95E-02 0|0	Cs8g03710.1	6	0 15.9	0	2 MASCOT	T	PLEX8
2.73E-01 0|0	Cs8g03710.1	6	0 15.9	0	2 MASCOT	T	
1.43E-04 0|0	Cs8g03710.1	6	0	0	2 MASCOT	T	PLEX8
7.93E-04 0|0	Cs8g03710.1	6	0	0	2 MASCOT	T	PLEX8
1.42E-02 0|0	Cs8g03710.1	6	0	0	2 MASCOT	T	PLEX8
2.20E-02 0|0	Cs8g03710.1	6	0	0	2 MASCOT	T	PLEX8
2.14E-05 0|0	Cs8g03710.1	6	0	0	2 MASCOT	T	PLEX8
7.49E-02 0|0	Cs8g03710.1	8.22	0	0	2 MASCOT	T	PLEX8

4.11E-02 0|0	Cs8g03710.1	8.22	0	0	2	MASCOT	T	PLEX8	
4.26E-02 0|0	Cs8g03710.1	8.22	0	0	2	MASCOT	T	PLEX8	
5.02E-02 0|0	Cs8g03710.1	8.22	0	0	2	MASCOT	T	PLEX8	
7.44E-02 0|0	Cs8g03710.1	4.14	0	15.9	0	2	MASCOT	T	PLEX8
1.00E-02 0|0	Cs8g03710.1	4.14	0	15.9	0	2	MASCOT	T	PLEX8
2.13E-02 0|0	Cs8g03710.1	4.14	0	15.9	0	2	MASCOT	T	PLEX8
4.66E-02 0|0	Cs8g03710.1	4.14	0	0	2	MASCOT	T	PLEX8	
5.78E-03 0|0	Cs8g03710.1	4.14	0	0	2	MASCOT	T	PLEX8	
1.29E-01 0|0	Cs8g03710.1	4.14	0	0	2	MASCOT	T	PLEX8	
7.04E-03 0|0	Cs8g03710.1	4.37	0	15.9	0	2	MASCOT	T	PLEX8
6.10E-02 0|0	Cs8g03710.1	4.37	0	0	2	MASCOT	T	PLEX8	
9.93E-02 0|0	Cs8g03710.1	5.84	0	0	2	MASCOT	T	PLEX8	
6.85E-03 0|0	Cs8g03710.1	5.84	0	0	2	MASCOT	T		
3.22E-01 0|0	Cs8g03710.1	5.84	0	0	2	MASCOT	T		
5.81E-03 0|0	Cs8g03710.1	4.53	0	0	2	MASCOT	T	PLEX8	
8.44E-03 0|0	Cs8g03710.1	4.18	1	0	2	MASCOT	T	PLEX8	
3.61E-02 0|0	Cs8g03710.1	4.18	1	0	2	MASCOT	T	PLEX8	
1.17E-01 0|0	Cs8g03710.1	4.18	1	0	2	MASCOT	T		
1.13E-01 0|0	Cs8g03710.1	9.6	1	0	2	MASCOT	T	PLEX8	
2.60E-02 0|0	orange1.1t02144.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
3.13E-04 0|0	orange1.1t02144.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
2.25E-05 0|0	orange1.1t02144.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
5.47E-06 0|0	orange1.1t02144.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
2.80E-03 0|0	orange1.1t02144.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
2.34E-02 0|0	orange1.1t02144.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
6.32E-03 0|0	orange1.1t02144.1/ora	8.22	0	0	2	MASCOT	T	PLEX8	
1.46E-02 0|0	orange1.1t02144.1/ora	8.22	0	0	2	MASCOT	T	PLEX8	
2.36E-01 0|0	orange1.1t02144.1/ora	8.22	0	0	2	MASCOT	T	PLEX8	
1.82E-03 0|0	orange1.1t02144.1/ora	8.22	0	0	2	MASCOT	T	PLEX8	
7.79E-02 0|0	orange1.1t02144.1/ora	8.22	0	0	2	MASCOT	T	PLEX8	
1.60E-01 0|0	Cs3g11490.1/orange1.	8.75	0	0	2	MASCOT	T	PLEX8	
2.65E-05 0|0	orange1.1t02144.1/ora	4.4	0	0	2	MASCOT	T	PLEX8	
7.83E-04 0|0	orange1.1t02144.1/ora	4.4	0	0	2	MASCOT	T	PLEX8	
8.52E-02 0|0	orange1.1t02144.1/ora	4.4	0	0	2	MASCOT	T	PLEX8	
1.07E-08 0|0	orange1.1t02144.1/ora	4.4	0	0	2	MASCOT	T	PLEX8	
2.69E-02 0|0	orange1.1t02144.1/ora	4.4	0	0	2	MASCOT	T	PLEX8	
2.59E-02 0|0	orange1.1t02144.1/ora	4.4	0	0	2	MASCOT	T	PLEX8	
3.40E-08 0|0	orange1.1t02144.1/ora	4.4	0	0	2	MASCOT	T	PLEX8	
4.78E-05 0|0	orange1.1t02144.1/ora	4.4	0	0	2	MASCOT	T	PLEX8	
1.58E-04 0|0	orange1.1t02144.1/ora	4.4	0	0	2	MASCOT	T	PLEX8	
9.02E-08 0|0	orange1.1t02144.1/ora	4.4	0	0	2	MASCOT	T		
1.47E-02 0|0	orange1.1t02144.1/ora	9.75	0	0	2	MASCOT	T	PLEX8	
3.57E-04 0|0	orange1.1t02144.1/ora	9.75	0	0	2	MASCOT	T	PLEX8	
4.40E-02 0|0	orange1.1t02144.1/ora	9.75	0	0	2	MASCOT	T	PLEX8	
1.39E-01 0|0	orange1.1t02144.1/ora	4.53	0	15.9	0	2	MASCOT	T	PLEX8
3.17E-02 0|0	orange1.1t02144.1/ora	4.53	0	0	2	MASCOT	T	PLEX8	
4.37E-02 0|0	orange1.1t02144.1/ora	4.53	0	0	2	MASCOT	T	PLEX8	
6.78E-02 0|0	orange1.1t02144.1	6	0	0	2	MASCOT	T		
1.73E-01 0|0	orange1.1t02144.1/ora	8.26	0	15.9	0	2	MASCOT	T	PLEX8
1.43E-01 0|0	orange1.1t02144.1/ora	8.26	0	0	2	MASCOT	T	PLEX8	
5.05E-02 0|0	orange1.1t02144.1/ora	8.26	0	0	2	MASCOT	T	PLEX8	

4.59E-04	0|0	orange1.1t02144.1/ora	8.26	0	0	2	MASCOT	T	PLEX8	
2.34E-02	0|0	orange1.1t02144.1/ora	8.26	0	0	2	MASCOT	T	PLEX8	
1.07E-04	0|0	orange1.1t02144.1/ora	4.37	0	15.9	0	2	MASCOT	T	PLEX8
4.35E-02	0|0	orange1.1t02144.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
3.72E-06	0|0	orange1.1t02144.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
6.71E-05	0|0	orange1.1t02144.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
3.72E-03	0|0	orange1.1t02144.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
4.58E-04	0|0	orange1.1t02144.1	8.75	0	0	2	MASCOT	T	PLEX8	
1.99E-02	0|0	orange1.1t03078.2/ora	4.37	0	0	2	MASCOT	T	PLEX8	
1.60E-03	0|0	orange1.1t03078.2/ora	4.37	0	0	2	MASCOT	T	PLEX8	
3.98E-03	0|0	orange1.1t03078.2/ora	4.37	0	0	2	MASCOT	T	PLEX8	
2.47E-04	0|0	orange1.1t03078.2/ora	4.37	0	0	2	MASCOT	T	PLEX8	
1.62E-02	0|0	orange1.1t03078.2/ora	4.37	0	0	2	MASCOT	T	PLEX8	
1.03E-03	0|0	orange1.1t03078.2/ora	4.37	0	0	2	MASCOT	T	PLEX8	
1.30E-02	0|0	orange1.1t03078.1/ora	8.27	0	0	2	MASCOT	T	PLEX8	
5.56E-05	0|0	orange1.1t03082.1/ora	4.25	0	0	2	MASCOT	T	PLEX8	
2.12E-02	0|0	orange1.1t03082.1/ora	4.25	0	0	2	MASCOT	T	PLEX8	
4.48E-02	0|0	orange1.1t03082.1/ora	4.25	0	0	2	MASCOT	T	PLEX8	
1.04E-03	0|0	orange1.1t03082.1/ora	4.25	0	0	2	MASCOT	T	PLEX8	
2.92E-03	0|0	orange1.1t03082.1/ora	4.25	0	0	2	MASCOT	T	PLEX8	
4.47E-02	0|0	orange1.1t03078.1/ora	6.84	0	0	2	MASCOT	T		
2.17E-03	0|0	orange1.1t03078.1/ora	6.84	0	0	2	MASCOT	T		
4.98E-02	0|0	orange1.1t03078.1/ora	6.84	0	0	2	MASCOT	T		
3.33E-02	0|0	orange1.1t03078.1/ora	6.84	0	0	2	MASCOT	T	PLEX8	
2.23E-03	0|0	orange1.1t03078.1/ora	4.14	0	0	2	MASCOT	T	PLEX8	
7.08E-02	0|0	orange1.1t03078.1/ora	4.14	0	0	2	MASCOT	T		
8.16E-03	0|0	orange1.1t03078.1/ora	4.14	0	0	2	MASCOT	T		
1.15E-02	0|0	orange1.1t03078.1/ora	4.14	0	0	2	MASCOT	T		
4.96E-03	0|0	orange1.1t03078.1/ora	4.14	0	0	2	MASCOT	T		
3.14E-04	0|0	orange1.1t03078.1/ora	4.14	0	0	2	MASCOT	T		
4.70E-02	0|0	orange1.1t03082.1/ora	4.03	0	15.9	0	2	MASCOT	T	PLEX8
2.21E-01	0|0	orange1.1t03082.1/ora	4.03	0	0	2	MASCOT	T	PLEX8	
1.19E-02	0|0	orange1.1t03078.1/ora	4.37	0	15.9	0	2	MASCOT	T	
2.56E-03	0|0	orange1.1t03078.1/ora	4.37	0	0	2	MASCOT	T		
1.24E-01	0|0	orange1.1t03078.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
2.19E-03	0|0	orange1.1t03078.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
7.33E-05	0|0	orange1.1t03078.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
6.52E-03	0|0	orange1.1t03078.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
2.87E-02	0|0	orange1.1t03078.1/ora	4.37	0	0	2	MASCOT	T		
1.14E-01	0|0	orange1.1t03078.1/ora	6.71	0	0	2	MASCOT	T	PLEX8	
5.39E-02	0|0	orange1.1t03078.1/ora	6.71	0	0	2	MASCOT	T	PLEX8	
5.69E-03	0|0	orange1.1t03078.1/ora	5.81	0	0	2	MASCOT	T		
1.92E-01	0|0	orange1.1t03078.1/ora	5.81	0	0	2	MASCOT	T		
9.16E-03	0|0	Cs3g11180.1	4.21	0	0	2	MASCOT	T	PLEX8	
4.69E-04	0|0	Cs3g11180.1	4.21	0	0	2	MASCOT	T	PLEX8	
3.53E-02	0|0	Cs3g11090.1/Cs3g111	4.14	0	0	2	MASCOT	T	PLEX8	
2.40E-01	0|0	Cs3g11180.1	5.4	0	0	2	MASCOT	T	PLEX8	
2.77E-01	0|0	Cs3g11180.1	5.4	0	0	2	MASCOT	T	PLEX8	
3.15E-02	0|0	Cs3g11180.1	5.4	0	0	2	MASCOT	T	PLEX8	
8.66E-02	0|0	Cs3g11180.1	5.4	0	0	2	MASCOT	T	PLEX8	
5.77E-02	0|0	Cs3g11180.1	5.4	0	0	2	MASCOT	T	PLEX8	

1.10E-02	0|0	Cs3g11180.1	5.4	0	0	2 MASCOT	T	PLEX8
8.34E-04	0|0	Cs3g11010.1/Cs3g110	5.84	0	0	2 MASCOT	T	
9.72E-02	0|0	Cs3g11000.1/Cs3g111	8.59	0	0	2 MASCOT	T	PLEX8
5.80E-02	0|0	Cs3g11000.1/Cs3g111	8.59	0	0	2 MASCOT	T	PLEX8
4.19E-02	0|0	Cs3g11000.1/Cs3g111	8.59	0	0	2 MASCOT	T	PLEX8
7.65E-03	0|0	Cs3g11000.1/Cs3g111	8.59	0	0	2 MASCOT	T	PLEX8
6.36E-02	0|0	Cs3g11180.1	5.72	0	0	2 MASCOT	T	PLEX8
3.78E-02	0|0	Cs3g11180.1	5.72	0	0	2 MASCOT	T	PLEX8
1.82E-05	0|0	Cs3g11180.1	4.21	0	0	2 MASCOT	T	
1.58E-01	0|0	Cs3g11090.1/Cs3g111	8.8	0	0	2 MASCOT	T	PLEX8
2.99E-03	0|0	Cs3g11090.1/Cs3g111	8.8	0	0	2 MASCOT	T	PLEX8
8.32E-02	0|0	Cs3g11090.1/Cs3g111	8.8	0	0	2 MASCOT	T	PLEX8
2.06E-02	0|0	Cs3g11090.1/Cs3g111	8.8	0	0	2 MASCOT	T	PLEX8
1.28E-03	0|0	Cs3g11090.1/Cs3g111	9.76	0	0	2 MASCOT	T	PLEX8
5.52E-04	0|0	Cs3g11090.1/Cs3g111	9.76	0	0	2 MASCOT	T	PLEX8
2.72E-01	0|0	Cs3g11090.1/Cs3g111	9.76	0	0	2 MASCOT	T	PLEX8
1.54E-03	0|0	Cs3g11090.1/Cs3g111	9.76	0	0	2 MASCOT	T	PLEX8
7.27E-03	0|0	Cs3g11090.1 ! Cs3g11	8.75	0	0	2 MASCOT	T	PLEX8
2.22E-04	0|0	Cs3g11090.1 ! Cs3g11	8.75	0	0	2 MASCOT	T	PLEX8
1.02E-03	0|0	Cs3g11090.1 ! Cs3g11	8.75	0	0	2 MASCOT	T	PLEX8
9.00E-04	0|0	Cs3g11090.1 ! Cs3g11	8.75	0	0	2 MASCOT	T	PLEX8
1.47E-02	0|0	Cs3g11090.1 ! Cs3g11	8.75	0	0	2 MASCOT	T	PLEX8
2.36E-05	0|0	Cs3g11090.1 ! Cs3g11	8.75	0	0	2 MASCOT	T	PLEX8
3.53E-02	0|0	Cs3g11090.1 ! Cs3g11	8.75	0	0	2 MASCOT	T	
1.47E-01	0|0	Cs5g24490.1/Cs5g244	5.88	0	0	2 MASCOT	T	PLEX8
1.56E-01	0|0	Cs5g24490.1/Cs5g244	5.88	0	0	2 MASCOT	T	PLEX8
4.76E-03	0|0	Cs5g24490.1/Cs5g244	6.04	0	0	2 MASCOT	T	PLEX8
1.88E-01	0|0	Cs5g24490.1/Cs5g244	6.04	0	0	2 MASCOT	T	PLEX8
8.13E-02	0|0	Cs5g24490.1/Cs5g244	6.04	0	0	2 MASCOT	T	
3.46E-02	0|0	Cs5g24490.1/Cs5g244	6.04	0	0	2 MASCOT	T	PLEX8
2.11E-03	0|0	Cs5g24490.1/Cs5g244	6.04	0	0	2 MASCOT	T	PLEX8
7.85E-04	0|0	Cs5g24490.1/Cs5g244	4	0	0	2 MASCOT	T	PLEX8
5.08E-03	0|0	Cs5g24490.1/Cs5g244	4	0	0	2 MASCOT	T	PLEX8
3.74E-02	0|0	Cs5g24490.1/Cs5g244	4.09	0	0	2 MASCOT	T	PLEX8
4.59E-03	0|0	Cs5g24490.1/Cs5g244	4.09	0	0	2 MASCOT	T	PLEX8
1.70E-04	0|0	Cs5g24490.1/Cs5g244	4.09	0	0	2 MASCOT	T	PLEX8
1.90E-01	0|0	Cs5g24490.1/Cs5g244	5.75	0 15.9	0	2 MASCOT	T	PLEX8
1.44E-01	0|0	Cs5g24490.1/Cs5g244	5.75	0	0	2 MASCOT	T	PLEX8
7.57E-03	0|0	Cs5g24490.1/Cs5g244	5.75	0	0	2 MASCOT	T	PLEX8
1.86E-04	0|0	Cs5g24490.1/Cs5g244	4.25	0	0	2 MASCOT	T	
4.95E-01	0|0	Cs5g24490.1/Cs5g244	5.88	0 15.9	0	2 MASCOT	T	PLEX8
2.17E-03	0|0	Cs5g24490.1/Cs5g244	5.88	0	0	2 MASCOT	T	PLEX8
4.80E-03	0|0	Cs5g24490.1/Cs5g244	5.88	0	0	2 MASCOT	T	PLEX8
2.41E-03	0|0	Cs5g24490.1/Cs5g244	5.88	0	0	2 MASCOT	T	PLEX8
5.24E-03	0|0	Cs5g24490.1/Cs5g244	5.88	0	0	2 MASCOT	T	PLEX8
4.83E-03	0|0	Cs5g24490.1/Cs5g244	4.53	0 15.9	0	2 MASCOT	T	PLEX8
7.45E-02	0|0	Cs5g24490.1/Cs5g244	4.53	0	0	2 MASCOT	T	PLEX8
1.73E-01	0|0	Cs5g24490.1/Cs5g244	4.53	0	0	2 MASCOT	T	PLEX8
3.33E-01	0|0	Cs5g24490.1/Cs5g244	4.53	0	0	2 MASCOT	T	PLEX8
1.05E-04	0|0	Cs5g24490.1/Cs5g244	4.53	0	0	2 MASCOT	T	PLEX8
1.00E-01	0|0	Cs5g24490.1/Cs5g244	4.53	0	0	2 MASCOT	T	PLEX8

1.02E-01	0|0	Cs5g24490.1/Cs5g244	5.32	0	0	2	MASCOT	T	PLEX8	
8.95E-03	0|0	Cs5g24490.1/Cs5g244	5.32	0	0	2	MASCOT	T	PLEX8	
6.97E-02	0|0	Cs5g24490.1/Cs5g244	5.32	0	0	2	MASCOT	T	PLEX8	
1.08E-01	0|0	Cs5g24490.1/Cs5g244	5.32	0	0	2	MASCOT	T	PLEX8	
2.57E-01	0|0	Cs5g24490.1/Cs5g244	5.32	0	0	2	MASCOT	T		
2.35E-01	0|0	orange1.1t00423.1/ora	4.21	0	0	2	MASCOT	T	PLEX8	
3.78E-01	0|0	orange1.1t00423.1/ora	4.21	0	0	2	MASCOT	T	PLEX8	
2.21E-01	0|0	orange1.1t00423.1/ora	4.21	0	0	2	MASCOT	T	PLEX8	
3.52E-01	0|0	orange1.1t00423.1/ora	4.21	0	0	2	MASCOT	T	PLEX8	
2.34E-01	0|0	orange1.1t00423.1/ora	4.21	0	0	2	MASCOT	T	PLEX8	
1.80E-02	0|0	orange1.1t00423.1/ora	4.21	0	0	2	MASCOT	T	PLEX8	
1.90E-01	0|0	orange1.1t00423.1/ora	4.21	0	0	2	MASCOT	T	PLEX8	
5.70E-03	0|0	orange1.1t00423.1/ora	4.53	0	0	2	MASCOT	T	PLEX8	
7.02E-03	0|0	orange1.1t00423.1/ora	4.53	0	0	2	MASCOT	T	PLEX8	
2.64E-02	0|0	orange1.1t00423.1/ora	4.53	0	0	2	MASCOT	T	PLEX8	
2.50E-01	0|0	orange1.1t00423.1/ora	5.4	0	0	2	MASCOT	T	PLEX8	
3.42E-03	0|0	orange1.1t00423.1/ora	5.4	0	0	2	MASCOT	T	PLEX8	
1.36E-03	0|0	orange1.1t00423.1/ora	5.4	0	0	2	MASCOT	T	PLEX8	
1.24E-02	0|0	orange1.1t00423.1/ora	5.4	0	0	2	MASCOT	T		
4.20E-02	0|0	orange1.1t00423.1/ora	5.4	0	0	2	MASCOT	T	PLEX8	
4.97E-02	0|0	orange1.1t00423.1/ora	5.4	0	0	2	MASCOT	T	PLEX8	
6.70E-02	0|0	orange1.1t00423.1/ora	5.4	0	0	2	MASCOT	T		
3.14E-01	0|0	orange1.1t00423.1/ora	8.2	0	0	2	MASCOT	T	PLEX8	
2.91E-02	0|0	orange1.1t00423.1/ora	8.2	0	0	2	MASCOT	T	PLEX8	
3.46E-01	0|0	orange1.1t00423.1/ora	8.2	0	0	2	MASCOT	T	PLEX8	
1.37E-01	0|0	orange1.1t00423.1/ora	8.2	0	0	2	MASCOT	T		
2.51E-03	0|0	orange1.1t00423.1/ora	5.97	0	15.9	0	2	MASCOT	T	
8.77E-04	0|0	orange1.1t00423.1/ora	5.97	0	0	2	MASCOT	T		
1.70E-06	0|0	orange1.1t00423.1/ora	5.97	0	0	2	MASCOT	T		
6.94E-06	0|0	orange1.1t00423.1/ora	4.03	0	0	2	MASCOT	T		
8.61E-02	0|0	orange1.1t00423.1/ora	6.1	0	0	2	MASCOT	T	PLEX8	
1.50E-01	0|0	orange1.1t00423.1/ora	6.1	0	0	2	MASCOT	T	PLEX8	
1.45E-01	0|0	orange1.1t00423.1/ora	6.1	0	0	2	MASCOT	T	PLEX8	
6.67E-02	0|0	orange1.1t00423.1/ora	4.37	0	0	2	MASCOT	T		
2.44E-02	0|0	orange1.1t00423.1/ora	6	0	0	2	MASCOT	T	PLEX8	
1.71E-01	0|0	orange1.1t00423.1/ora	6	0	0	2	MASCOT	T	PLEX8	
1.52E-02	0|0	orange1.1t00423.1/ora	6.75	0	15.9	0	2	MASCOT	T	PLEX8
3.05E-01	0|0	Cs9g10370.1/Cs9g103	4.14	0	0	2	MASCOT	T	PLEX8	
1.76E-03	0|0	Cs9g10370.1/Cs9g103	9.76	0	0	2	MASCOT	T		
8.57E-04	0|0	Cs9g10370.1/Cs9g103	9.76	0	0	2	MASCOT	T		
6.94E-02	0|0	Cs9g10370.1/Cs9g103	5.5	0	0	2	MASCOT	T	PLEX8	
3.64E-01	0|0	Cs9g10370.1/Cs9g103	8.72	0	0	2	MASCOT	T	PLEX8	
1.13E-02	0|0	Cs9g10370.1/Cs9g103	5.97	0	0	2	MASCOT	T	PLEX8	
1.24E-04	0|0	Cs9g10370.1/Cs9g103	5.97	0	0	2	MASCOT	T	PLEX8	
1.17E-01	0|0	Cs9g10370.1/Cs9g103	4.37	0	0	2	MASCOT	T	PLEX8	
7.92E-06	0|0	Cs9g10370.1/Cs9g103	4.37	0	0	2	MASCOT	T		
5.51E-02	0|0	Cs9g10370.1/Cs9g103	5.44	1	0	2	MASCOT	T	PLEX8	
2.72E-02	0|0	Cs9g10370.1/Cs9g103	5.44	1	0	2	MASCOT	T	PLEX8	
2.87E-03	0|0	Cs9g10370.1/Cs9g103	6.07	0	0	2	MASCOT	T	PLEX8	
3.45E-06	0|0	Cs9g10370.1/Cs9g103	4.65	0	0	2	MASCOT	T	PLEX8	
1.64E-01	0|0	Cs9g10370.1/Cs9g103	4.65	0	0	2	MASCOT	T	PLEX8	

2.09E-03	0|0	Cs9g10370.1/Cs9g103	4.65	0	0	2	MASCOT	T	PLEX8	
4.29E-03	0|0	Cs9g10370.1/Cs9g103	4.65	0	0	2	MASCOT	T	PLEX8	
1.31E-02	0|0	Cs9g10370.1/Cs9g103	4.65	0	0	2	MASCOT	T		
1.46E-01	0|0	Cs9g10370.1/Cs9g103	4.65	0	0	2	MASCOT	T	PLEX8	
6.23E-06	0|0	Cs9g10370.1/Cs9g103	4.65	0	0	2	MASCOT	T	PLEX8	
2.45E-01	0|0	Cs9g10370.1/Cs9g103	4.65	0	0	2	MASCOT	T	PLEX8	
1.07E-02	0|0	Cs9g10370.1/Cs9g103	4.65	0	0	2	MASCOT	T	PLEX8	
6.54E-02	0|0	Cs9g10370.1/Cs9g103	4.65	0	0	2	MASCOT	T		
1.58E-01	0|0	Cs9g10370.1/Cs9g103	4.65	0	0	2	MASCOT	T		
4.77E-03	0|0	Cs9g10370.1/Cs9g103	4.65	0	0	2	MASCOT	T		
2.06E-01	0|0	Cs9g10370.1/Cs9g103	4.65	0	0	2	MASCOT	T		
8.65E-02	0|0	Cs9g10370.1/Cs9g103	5.81	0	0	2	MASCOT	T	PLEX8	
3.15E-01	0|0	Cs9g10370.1/Cs9g103	5.81	0	0	2	MASCOT	T	PLEX8	
8.79E-02	0|0	Cs9g10370.1/Cs9g103	5.81	0	0	2	MASCOT	T	PLEX8	
1.57E-01	0|0	Cs9g10370.1/Cs9g103	5.81	0	0	2	MASCOT	T	PLEX8	
1.49E-01	0|0	Cs9g10370.1/Cs9g103	5.81	0	0	2	MASCOT	T	PLEX8	
3.86E-01	0|0	Cs3g19380.1	4.68	0	0	2	MASCOT	T	PLEX8	
1.98E-02	0|0	Cs3g19380.1	5.84	0	0	2	MASCOT	T	PLEX8	
1.21E-01	0|0	Cs3g19380.1	5.84	0	0	2	MASCOT	T	PLEX8	
4.09E-02	0|0	Cs3g19380.1	3.92	0	0	2	MASCOT	T	PLEX8	
5.43E-03	0|0	Cs3g19380.1	3.92	0	0	2	MASCOT	T	PLEX8	
2.37E-01	0|0	Cs3g19380.1	4.14	0	0	2	MASCOT	T		
1.01E-01	0|0	Cs3g19380.1	5.21	0	0	2	MASCOT	T		
9.88E-03	0|0	Cs3g19380.1	5.21	0	0	2	MASCOT	T	PLEX8	
8.40E-02	0|0	Cs3g19380.1	8.41	0	0	2	MASCOT	T	PLEX8	
1.78E-01	0|0	Cs3g19380.1	8.41	0	0	2	MASCOT	T	PLEX8	
1.37E-01	0|0	Cs3g19380.1	8.41	0	0	2	MASCOT	T	PLEX8	
5.96E-02	0|0	Cs3g19380.1	8.41	0	0	2	MASCOT	T	PLEX8	
1.21E-01	0|0	Cs3g19380.1	8.41	0	0	2	MASCOT	T	PLEX8	
3.36E-01	0|0	Cs3g19380.1	8.8	0	15.9	0	2	MASCOT	T	PLEX8
7.69E-02	0|0	Cs3g19380.1	8.8	0	15.9	0	2	MASCOT	T	PLEX8
2.13E-01	0|0	Cs3g19380.1	8.8	0	15.9	0	2	MASCOT	T	PLEX8
6.24E-02	0|0	Cs3g19380.1	8.8	0	0	2	MASCOT	T	PLEX8	
2.08E-04	0|0	Cs3g19380.1	8.8	0	0	2	MASCOT	T	PLEX8	
6.02E-05	0|0	Cs3g19380.1	8.8	0	0	2	MASCOT	T	PLEX8	
1.89E-02	0|0	Cs3g19380.1	8.8	0	0	2	MASCOT	T	PLEX8	
2.84E-02	0|0	Cs3g19380.1	4.25	0	0	2	MASCOT	T	PLEX8	
2.77E-02	0|0	Cs3g19380.1	6.75	0	0	2	MASCOT	T	PLEX8	
8.71E-02	0|0	Cs3g19380.1	6.75	0	0	2	MASCOT	T	PLEX8	
1.00E-02	0|0	Cs3g19380.1	6.75	0	0	2	MASCOT	T	PLEX8	
1.27E-01	0|0	Cs3g19380.1	6.75	0	0	2	MASCOT	T	PLEX8	
5.18E-04	0|0	Cs3g19380.1	6.75	0	0	2	MASCOT	T	PLEX8	
1.48E-04	0|0	Cs3g19380.1	6.75	0	0	2	MASCOT	T	PLEX8	
1.50E-01	0|0	Cs6g15230.1	6.24	0	0	2	MASCOT	T	PLEX8	
2.00E-01	0|0	Cs6g15230.1	6	0	0	2	MASCOT	T	PLEX8	
6.28E-02	0|0	Cs6g15230.1	6	0	0	2	MASCOT	T	PLEX8	
9.61E-04	0|0	Cs6g15230.1	6	0	0	2	MASCOT	T	PLEX8	
1.10E-02	0|0	Cs6g15230.1	6	0	0	2	MASCOT	T	PLEX8	
7.84E-02	0|0	Cs6g15230.1	5.66	0	0	2	MASCOT	T	PLEX8	
5.53E-03	0|0	Cs6g15230.1	5.66	0	0	2	MASCOT	T	PLEX8	
8.84E-02	0|0	Cs6g15230.1	4.25	0	0	2	MASCOT	T		

4.78E-02	0|0	Cs6g15230.1	4.25	0	0	2	MASCOT	T		
1.65E-01	0|0	Cs6g15230.1	4.25	0	0	2	MASCOT	T		
5.53E-03	0|0	Cs6g15230.1	4.25	0	0	2	MASCOT	T	PLEX8	
9.63E-05	0|0	Cs6g15230.1	4.25	0	0	2	MASCOT	T		
3.06E-01	0|0	Cs6g15230.1	4.25	0	0	2	MASCOT	T		
7.47E-03	0|0	Cs6g15230.1	4.25	0	0	2	MASCOT	T		
2.45E-02	0|0	Cs6g15230.1	3.84	0	0	2	MASCOT	T	PLEX8	
7.70E-02	0|0	Cs6g15230.1	6.74	0	0	2	MASCOT	T	PLEX8	
6.09E-05	0|0	Cs6g15230.1	6.74	0	0	2	MASCOT	T	PLEX8	
4.64E-06	0|0	Cs6g15230.1	6.74	0	0	2	MASCOT	T	PLEX8	
4.35E-04	0|0	Cs6g15230.1	4.03	0	0	2	MASCOT	T	PLEX8	
9.38E-04	0|0	Cs6g15230.1	4.03	0	0	2	MASCOT	T	PLEX8	
6.75E-03	0|0	Cs6g15230.1	6.92	1	0	2	MASCOT	T	PLEX8	
6.63E-03	0|0	Cs6g15230.1	6.92	1	0	2	MASCOT	T	PLEX8	
6.93E-03	0|0	Cs6g15230.1	6.92	1	0	2	MASCOT	T		
7.22E-02	0|0	Cs5g03080.1/Cs5g030	5.99	0	0	2	MASCOT	T	PLEX8	
1.05E-02	0|0	Cs5g03080.1/Cs5g030	5.99	0	0	2	MASCOT	T	PLEX8	
4.89E-02	0|0	Cs5g03080.1/Cs5g030	5.99	0	0	2	MASCOT	T		
1.99E-02	0|0	Cs5g03080.1/Cs5g030	5.99	0	0	2	MASCOT	T		
1.27E-02	0|0	Cs2g23520.1/Cs2g235	9.75	0	0	2	MASCOT	T	PLEX8	
1.14E-04	0|0	Cs2g23520.1/Cs2g235	4.37	0	0	2	MASCOT	T	PLEX8	
5.77E-05	0|0	Cs2g23520.1/Cs2g235	4.37	0	0	2	MASCOT	T	PLEX8	
6.17E-03	0|0	Cs2g23520.1/Cs2g235	4.37	0	0	2	MASCOT	T	PLEX8	
1.36E-04	0|0	Cs2g23520.1/Cs2g235	4.37	0	0	2	MASCOT	T	PLEX8	
3.88E-03	0|0	Cs2g23520.1/Cs2g235	4.37	0	0	2	MASCOT	T	PLEX8	
3.93E-02	0|0	Cs7g01840.1/Cs7g018	8.75	0	0	2	MASCOT	T	PLEX8	
1.97E-02	0|0	Cs2g23520.1/Cs2g235	5.55	0	0	2	MASCOT	T	PLEX8	
1.13E-02	0|0	Cs2g23520.1/Cs2g235	5.55	0	0	2	MASCOT	T	PLEX8	
2.75E-02	0|0	Cs2g23520.1/Cs2g235	5.55	0	0	2	MASCOT	T	PLEX8	
2.48E-02	0|0	Cs7g01840.1/Cs7g018	5.55	0	0	2	MASCOT	T	PLEX8	
1.95E-03	0|0	Cs7g01840.1/Cs7g018	5.55	0	0	2	MASCOT	T	PLEX8	
8.24E-06	0|0	Cs7g01840.1/Cs7g018	5.55	0	0	2	MASCOT	T	PLEX8	
1.53E-01	0|0	Cs2g23520.1/Cs2g235	5.66	0	0	2	MASCOT	T	PLEX8	
1.34E-02	0|0	Cs2g23520.1/Cs2g235	5.66	0	0	2	MASCOT	T	PLEX8	
1.96E-03	0|0	Cs2g23520.1/Cs2g235	5.88	0	0	2	MASCOT	T	PLEX8	
1.79E-05	0|0	Cs2g23520.1/Cs2g235	5.88	0	0	2	MASCOT	T	PLEX8	
1.25E-03	0|0	Cs2g23520.1/Cs2g235	5.88	0	0	2	MASCOT	T	PLEX8	
1.08E-02	0|0	Cs2g23520.1/Cs2g235	5.88	0	0	2	MASCOT	T	PLEX8	
6.27E-05	0|0	Cs2g23520.1/Cs2g235	5.88	0	0	2	MASCOT	T	PLEX8	
8.78E-02	0|0	Cs2g23520.2/Cs2g235	9.75	0	0	2	MASCOT	T	PLEX8	
8.30E-02	0|0	Cs2g23520.1/Cs2g235	5.75	0	15.9	0	2	MASCOT	T	PLEX8
2.79E-02	0|0	Cs2g23520.1/Cs2g235	5.75	0	0	2	MASCOT	T	PLEX8	
2.13E-02	0|0	Cs2g23520.1/Cs2g235	5.75	0	0	2	MASCOT	T	PLEX8	
2.60E-01	0|0	Cs2g23520.1/Cs2g235	5.75	0	0	2	MASCOT	T	PLEX8	
3.73E-03	0|0	Cs2g23520.1/Cs2g235	8.59	0	0	2	MASCOT	T	PLEX8	
7.34E-02	0|0	Cs7g05580.1/Cs7g055	6.75	1	0	2	MASCOT	T	PLEX8	
3.74E-01	0|0	Cs7g05580.1/Cs7g055	8.75	0	0	2	MASCOT	T	PLEX8	
1.93E-01	0|0	Cs7g05580.1/Cs7g055	8.75	0	0	2	MASCOT	T	PLEX8	
3.03E-01	0|0	Cs7g05580.1/Cs7g055	5.72	0	0	2	MASCOT	T	PLEX8	
4.46E-04	0|0	Cs7g05580.1/Cs7g055	3.96	0	0	2	MASCOT	T		
3.12E-05	0|0	Cs7g05580.1/Cs7g055	3.96	0	0	2	MASCOT	T		

1.24E-02	0|0	Cs7g05580.1/Cs7g055	9.76	0	0	2	MASCOT	T	PLEX8	
6.23E-02	0|0	Cs7g05580.1/Cs7g055	9.76	0	0	2	MASCOT	T	PLEX8	
1.57E-01	0|0	Cs7g05580.1/Cs7g055	9.76	0	0	2	MASCOT	T		
3.27E-02	0|0	Cs7g05580.1/Cs7g055	5.84	0	0	2	MASCOT	T	PLEX8	
1.54E-01	0|0	Cs7g05580.1/Cs7g055	5.84	0	0	2	MASCOT	T	PLEX8	
2.33E-01	0|0	Cs7g05580.1/Cs7g055	5.84	0	0	2	MASCOT	T	PLEX8	
1.74E-01	0|0	Cs7g05580.1/Cs7g055	5.84	0	0	2	MASCOT	T	PLEX8	
8.19E-02	0|0	Cs7g05580.1/Cs7g055	9.31	0	0	2	MASCOT	T	PLEX8	
3.24E-03	0|0	Cs7g05580.1/Cs7g055	6.89	0	0	2	MASCOT	T	PLEX8	
8.04E-02	0|0	Cs7g05580.1/Cs7g055	6.89	0	0	2	MASCOT	T	PLEX8	
6.57E-02	0|0	Cs7g05580.1/Cs7g055	6.89	0	0	2	MASCOT	T	PLEX8	
4.14E-01	0|0	Cs7g05580.1/Cs7g055	6.89	0	0	2	MASCOT	T	PLEX8	
1.38E-01	0|0	Cs7g05580.1/Cs7g055	6.89	0	0	2	MASCOT	T	PLEX8	
7.30E-02	0|0	Cs7g05580.1/Cs7g055	6.89	0	0	2	MASCOT	T	PLEX8	
1.13E-02	0|0	Cs7g05580.1/Cs7g055	6.89	0	0	2	MASCOT	T	PLEX8	
1.36E-01	0|0	Cs7g05580.1/Cs7g055	6.89	0	0	2	MASCOT	T		
1.97E-04	0|0	Cs7g05580.1/Cs7g055	6.89	0	0	2	MASCOT	T		
3.59E-01	0|0	Cs7g05580.1/Cs7g055	6.72	0	0	2	MASCOT	T	PLEX8	
4.18E-04	0|0	Cs7g05580.1/Cs7g055	4.75	0	0	2	MASCOT	T	PLEX8	
6.66E-03	0|0	Cs7g05580.1/Cs7g055	4.75	0	0	2	MASCOT	T	PLEX8	
1.55E-01	0|0	Cs6g19310.1/Cs7g123	4.21	0	0	2	MASCOT	T	PLEX8	
4.45E-02	0|0	Cs6g19310.1/Cs7g123	4.21	0	0	2	MASCOT	T	PLEX8	
2.23E-02	0|0	Cs7g12340.1/Cs7g123	5.32	0	0	2	MASCOT	T	PLEX8	
1.87E-02	0|0	Cs6g19310.1/Cs7g123	8.22	0	15.9	0	2	MASCOT	T	PLEX8
9.19E-02	0|0	Cs6g19310.1/Cs7g123	8.22	0	15.9	0	2	MASCOT	T	PLEX8
3.18E-01	0|0	Cs7g12340.1/Cs7g123	5.8	0	0	2	MASCOT	T		
1.15E-06	0|0	Cs7g12340.1/Cs7g123	5.8	0	0	2	MASCOT	T		
9.50E-03	0|0	Cs6g19310.1/Cs7g123	4.14	0	0	2	MASCOT	T	PLEX8	
8.69E-03	0|0	Cs6g19310.1/Cs7g123	4.14	0	0	2	MASCOT	T		
8.67E-02	0|0	Cs6g19310.1/Cs7g123	4.14	0	0	2	MASCOT	T		
4.88E-02	0|0	Cs6g19310.1 ! Cs7g12	5.32	0	0	2	MASCOT	T	PLEX8	
1.82E-02	0|0	Cs6g19310.1 ! Cs7g12	5.32	0	0	2	MASCOT	T		
9.83E-02	0|0	Cs5g02720.1/orange1.	4.21	0	0	2	MASCOT	T	PLEX8	
1.06E-02	0|0	Cs5g02720.1/orange1.	4.21	0	0	2	MASCOT	T	PLEX8	
1.31E-02	0|0	Cs5g02720.1/orange1.	4.21	0	0	2	MASCOT	T		
4.72E-01	0|0	Cs5g02720.1/Cs6g193	9.75	0	0	2	MASCOT	T	PLEX8	
2.55E-01	0|0	Cs5g02720.1/Cs6g193	9.75	0	0	2	MASCOT	T	PLEX8	
4.00E-04	0|0	Cs5g02720.1/Cs6g193	9.75	0	0	2	MASCOT	T		
7.15E-02	0|0	Cs5g02720.1/Cs6g193	8.59	0	0	2	MASCOT	T	PLEX8	
3.05E-02	0|0	Cs5g02720.1/Cs6g193	8.59	0	0	2	MASCOT	T	PLEX8	
1.66E-01	0|0	Cs5g02720.1/Cs6g193	8.59	0	0	2	MASCOT	T	PLEX8	
1.52E-01	0|0	Cs5g02720.1/Cs6g193	8.59	0	0	2	MASCOT	T		
7.15E-02	0|0	Cs5g02720.1/Cs6g193	8.59	0	0	2	MASCOT	T	PLEX8	
6.90E-02	0|0	Cs5g02720.1/Cs6g193	8.59	0	0	2	MASCOT	T	PLEX8	
6.39E-02	0|0	Cs5g02720.1/Cs6g193	8.59	0	0	2	MASCOT	T		
2.20E-02	0|0	Cs6g19310.1/Cs7g123	8.72	0	15.9	0	2	MASCOT	T	PLEX8
8.65E-04	0|0	orange1.1t01622.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
6.40E-05	0|0	Cs5g16440.1/Cs5g164	3.92	0	0	2	MASCOT	T	PLEX8	
8.22E-03	0|0	orange1.1t01622.1/ora	4.83	1	0	2	MASCOT	T	PLEX8	
7.37E-05	0|0	orange1.1t01622.1/ora	4.83	1	0	2	MASCOT	T	PLEX8	
3.25E-02	0|0	orange1.1t01622.1/ora	4.83	1	0	2	MASCOT	T		

5.96E-03	0|0	Cs5g16440.1/Cs5g164	8.49	0	0	2	MASCOT	T	PLEX8	
3.13E-03	0|0	Cs5g16440.1/Cs5g164	8.49	0	0	2	MASCOT	T	PLEX8	
4.95E-02	0|0	Cs5g16440.1/Cs5g164	8.49	0	0	2	MASCOT	T	PLEX8	
7.84E-03	0|0	Cs5g16440.1/Cs5g164	8.49	0	0	2	MASCOT	T	PLEX8	
4.37E-01	0|0	orange1.1t01622.1/ora	5.32	0	0	2	MASCOT	T	PLEX8	
1.67E-03	0|0	orange1.1t01622.1/ora	5.32	0	0	2	MASCOT	T	PLEX8	
1.87E-02	0|0	orange1.1t01622.1/ora	5.32	0	0	2	MASCOT	T	PLEX8	
4.16E-04	0|0	orange1.1t01622.1/ora	5.32	0	0	2	MASCOT	T	PLEX8	
2.16E-01	0|0	orange1.1t01622.1/ora	8.75	0	0	2	MASCOT	T	PLEX8	
3.72E-02	0|0	orange1.1t01622.1	6	0	0	2	MASCOT	T	PLEX8	
3.10E-02	0|0	orange1.1t01622.1	6	0	0	2	MASCOT	T	PLEX8	
1.11E-04	0|0	orange1.1t01622.1/ora	4.4	0	0	2	MASCOT	T	PLEX8	
8.81E-04	0|0	orange1.1t01622.1/ora	4.4	0	0	2	MASCOT	T	PLEX8	
1.39E-01	0|0	orange1.1t01622.1/ora	4.4	0	0	2	MASCOT	T	PLEX8	
1.58E-01	0|0	orange1.1t01622.1/ora	5.4	0	0	2	MASCOT	T	PLEX8	
3.16E-02	0|0	orange1.1t01622.1/ora	5.4	0	0	2	MASCOT	T	PLEX8	
2.26E-01	0|0	Cs5g16440.1/Cs5g164	4.53	0	0	2	MASCOT	T	PLEX8	
2.25E-01	0|0	Cs5g16440.1/Cs5g164	4.53	0	0	2	MASCOT	T	PLEX8	
1.96E-01	0|0	Cs5g16440.1/Cs5g164	4.53	0	0	2	MASCOT	T	PLEX8	
1.95E-01	0|0	Cs5g16440.1/Cs5g164	4.53	0	0	2	MASCOT	T	PLEX8	
2.80E-02	0|0	Cs5g16440.1/Cs5g164	4.53	0	0	2	MASCOT	T	PLEX8	
1.67E-01	0|0	Cs5g28200.1/Cs5g282	4.53	0	0	2	MASCOT	T	PLEX8	
4.66E-02	0|0	Cs5g28200.1/Cs5g282	6.74	0	0	2	MASCOT	T	PLEX8	
1.13E-01	0|0	Cs5g28200.1/Cs5g282	6.74	0	0	2	MASCOT	T	PLEX8	
6.37E-03	0|0	Cs5g28200.1/Cs5g282	5.4	0	15.9	0	2	MASCOT	T	PLEX8
1.81E-02	0|0	Cs5g28200.1/Cs5g282	5.4	0	15.9	0	2	MASCOT	T	PLEX8
3.49E-01	0|0	Cs5g28200.1/Cs5g282	5.4	0	0	2	MASCOT	T	PLEX8	
3.90E-03	0|0	Cs5g28200.1/Cs5g282	5.4	0	0	2	MASCOT	T	PLEX8	
9.18E-04	0|0	Cs5g28200.1/Cs5g282	5.83	0	0	2	MASCOT	T	PLEX8	
1.83E-01	0|0	Cs5g28200.1/Cs5g282	5.84	0	0	2	MASCOT	T	PLEX8	
2.13E-01	0|0	Cs5g28200.1/Cs5g282	8.72	0	15.9	0	2	MASCOT	T	PLEX8
5.73E-03	0|0	Cs5g28200.1/Cs5g282	8.72	0	0	2	MASCOT	T	PLEX8	
2.60E-04	0|0	Cs5g28200.1/Cs5g282	8.72	0	0	2	MASCOT	T	PLEX8	
2.32E-03	0|0	Cs5g28200.1/Cs5g282	8.72	0	0	2	MASCOT	T	PLEX8	
8.73E-04	0|0	Cs5g28200.1/Cs5g282	8.72	0	0	2	MASCOT	T	PLEX8	
3.13E-01	0|0	Cs8g07020.1/Cs8g070	5.97	0	0	2	MASCOT	T	PLEX8	
1.02E-01	0|0	Cs5g28200.1/Cs5g282	5.4	0	0	2	MASCOT	T	PLEX8	
9.83E-03	0|0	Cs5g28200.1/Cs5g282	5.4	0	0	2	MASCOT	T	PLEX8	
1.15E-02	0|0	Cs5g28200.1/Cs5g282	5.4	0	0	2	MASCOT	T	PLEX8	
2.57E-01	0|0	Cs5g28200.1/Cs5g282	5.4	0	0	2	MASCOT	T	PLEX8	
3.49E-03	0|0	Cs5g28200.1/Cs5g282	6.05	0	0	2	MASCOT	T	PLEX8	
9.95E-03	0|0	Cs5g28200.1/Cs5g282	6.05	0	0	2	MASCOT	T	PLEX8	
8.81E-03	0|0	Cs5g28200.1/Cs5g282	6.05	0	0	2	MASCOT	T	PLEX8	
1.80E-01	0|0	Cs5g28200.1/Cs5g282	4.37	0	0	2	MASCOT	T	PLEX8	
1.95E-01	0|0	Cs5g28200.1/Cs5g282	4.37	0	0	2	MASCOT	T	PLEX8	
2.10E-01	0|0	Cs5g28200.1/Cs5g282	4.37	0	0	2	MASCOT	T	PLEX8	
1.46E-01	0|0	orange1.1t03395.1/ora	4.21	0	0	2	MASCOT	T	PLEX8	
4.00E-02	0|0	orange1.1t03395.1/ora	4.21	0	0	2	MASCOT	T	PLEX8	
6.10E-04	0|0	orange1.1t03395.1/ora	4.21	0	0	2	MASCOT	T	PLEX8	
1.36E-04	0|0	orange1.1t03395.1/ora	4.21	0	0	2	MASCOT	T	PLEX8	
5.97E-04	0|0	orange1.1t03395.1/ora	4.21	0	0	2	MASCOT	T	PLEX8	

1.05E-01	0|0	orange1.1t03395.1/ora	4.21	0	0	2	MASCOT	T	
1.94E-01	0|0	orange1.1t03395.1/ora	4.21	0	0	2	MASCOT	T	
1.63E-01	0|0	Cs7g27470.1/orange1.	9.47	0	0	2	MASCOT	T	PLEX8
1.21E-02	0|0	orange1.1t03395.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
1.56E-01	0|0	orange1.1t03395.1/ora	5.84	0	0	2	MASCOT	T	PLEX8
2.65E-01	0|0	orange1.1t03395.1/ora	5.83	0	0	2	MASCOT	T	PLEX8
3.86E-03	0|0	orange1.1t03395.1/ora	5.83	0	0	2	MASCOT	T	PLEX8
1.21E-01	0|0	Cs7g27470.1/orange1.	6.74	0	0	2	MASCOT	T	PLEX8
2.01E-01	0|0	Cs7g27470.1/orange1.	8.59	0	0	2	MASCOT	T	PLEX8
2.21E-01	0|0	Cs7g27470.1/orange1.	8.59	0	0	2	MASCOT	T	PLEX8
1.91E-01	0|0	Cs7g27470.1/orange1.	8.59	0	0	2	MASCOT	T	
1.17E-01	0|0	Cs7g27470.1/orange1.	8.59	0	0	2	MASCOT	T	
3.01E-02	0|0	Cs7g27470.1/orange1.	8.59	0	0	2	MASCOT	T	
1.93E-01	0|0	Cs7g27470.1/orange1.	6.74	0	0	2	MASCOT	T	PLEX8
6.96E-02	0|0	Cs7g27470.1/orange1.	6.74	0	0	2	MASCOT	T	PLEX8
1.79E-01	0|0	orange1.1t03395.1/ora	5.84	0	0	2	MASCOT	T	PLEX8
2.94E-01	0|0	orange1.1t03395.1/ora	5.84	0	0	2	MASCOT	T	PLEX8
2.50E-01	0|0	orange1.1t03395.1/ora	5.84	0	0	2	MASCOT	T	PLEX8
1.49E-03	0|0	Cs7g27470.1/orange1.	5.81	0	0	2	MASCOT	T	PLEX8
4.57E-05	0|0	Cs7g27470.1/orange1.	5.81	0	0	2	MASCOT	T	PLEX8
3.18E-03	0|0	Cs2g28210.1/Cs2g282	4.37	0	0	2	MASCOT	T	PLEX8
1.01E-03	0|0	Cs2g28210.1/Cs2g282	4.37	0	0	2	MASCOT	T	PLEX8
3.92E-03	0|0	Cs2g28210.1/Cs2g282	4.37	0	0	2	MASCOT	T	
2.21E-03	0|0	Cs2g28210.1/Cs2g282	4.37	0	0	2	MASCOT	T	
2.02E-01	0|0	Cs2g28210.1/Cs2g282	3.92	0	15.9	0	2	MASCOT	T PLEX8
3.25E-03	0|0	Cs2g28210.1/Cs2g282	4.37	0	0	2	MASCOT	T	PLEX8
6.94E-02	0|0	Cs2g28210.1/Cs2g282	4.37	0	0	2	MASCOT	T	PLEX8
1.87E-01	0|0	Cs2g28210.1/Cs2g282	5.21	0	0	2	MASCOT	T	PLEX8
2.08E-02	0|0	Cs2g28210.1/Cs2g282	5.21	0	0	2	MASCOT	T	PLEX8
1.32E-03	0|0	Cs2g28210.1/Cs2g282	4.53	0	0	2	MASCOT	T	
1.65E-01	0|0	Cs2g28210.1/Cs2g282	9.75	0	0	2	MASCOT	T	PLEX8
1.89E-01	0|0	Cs2g28210.1/Cs2g282	8.59	0	0	2	MASCOT	T	PLEX8
3.62E-02	0|0	Cs2g28210.1/Cs2g282	8.59	0	0	2	MASCOT	T	PLEX8
1.95E-02	0|0	Cs2g28210.1/Cs2g282	8.59	0	0	2	MASCOT	T	PLEX8
8.84E-02	0|0	Cs2g28210.1/Cs2g282	8.59	0	0	2	MASCOT	T	PLEX8
3.71E-02	0|0	Cs2g28210.1/Cs2g282	8.59	0	0	2	MASCOT	T	PLEX8
3.11E-02	0|0	Cs2g28210.1/Cs2g282	7.91	0	0	2	MASCOT	T	PLEX8
1.31E-01	0|0	Cs2g28210.1/Cs2g282	7.91	0	0	2	MASCOT	T	PLEX8
9.52E-02	0|0	Cs2g28210.1/Cs2g282	7.91	0	0	2	MASCOT	T	PLEX8
2.20E-01	0|0	Cs2g28210.1/Cs2g282	4.37	0	0	2	MASCOT	T	PLEX8
4.85E-01	0|0	Cs2g28210.1/Cs2g282	4.37	0	0	2	MASCOT	T	PLEX8
7.16E-03	0|0	Cs2g28210.1/Cs2g282	8.21	0	0	2	MASCOT	T	PLEX8
5.59E-02	0|0	Cs2g28210.1/Cs2g282	8.21	0	0	2	MASCOT	T	
1.03E-02	0|0	Cs2g30910.1/Cs2g309	5.32	0	0	2	MASCOT	T	PLEX8
5.02E-03	0|0	Cs2g30910.1/Cs2g309	5.32	0	0	2	MASCOT	T	PLEX8
1.14E-01	0|0	Cs2g30910.1/Cs2g309	8.59	0	0	2	MASCOT	T	PLEX8
1.54E-02	0|0	Cs2g30910.1/Cs2g309	8.59	0	0	2	MASCOT	T	PLEX8
4.29E-01	0|0	Cs2g30910.1/Cs2g309	8.59	0	0	2	MASCOT	T	PLEX8
4.90E-03	0|0	Cs2g30910.1/Cs2g309	5.32	0	0	2	MASCOT	T	PLEX8
9.03E-03	0|0	Cs2g30910.1/Cs2g309	5.32	0	0	2	MASCOT	T	PLEX8
3.18E-01	0|0	Cs2g30910.1/Cs2g309	6	0	0	2	MASCOT	T	PLEX8

4.07E-03	0|0	Cs2g30910.1/Cs2g309	6	0	0	2	MASCOT	T	PLEX8
3.52E-06	0|0	Cs2g30910.1	5.4	0	0	2	MASCOT	T	PLEX8
1.32E-03	0|0	Cs2g30910.1	5.4	0	0	2	MASCOT	T	PLEX8
1.13E-04	0|0	Cs2g30910.1	5.4	0	0	2	MASCOT	T	PLEX8
1.11E-03	0|0	Cs2g30910.1	5.4	0	0	2	MASCOT	T	PLEX8
4.99E-06	0|0	Cs2g30910.1	5.4	0	0	2	MASCOT	T	
6.78E-03	0|0	Cs2g30910.1/Cs2g309	5.32	0	0	2	MASCOT	T	PLEX8
2.96E-03	0|0	Cs2g30910.1/Cs2g309	5.32	0	0	2	MASCOT	T	PLEX8
8.90E-02	0|0	Cs2g30910.1/Cs2g309	4.37	0	0	2	MASCOT	T	
1.69E-02	0|0	Cs2g30910.1/Cs2g309	4.37	0	0	2	MASCOT	T	
1.25E-02	0|0	Cs2g30910.1/Cs2g309	4.37	0	0	2	MASCOT	T	
6.14E-02	0|0	Cs2g12130.1/Cs2g121	4.53	0	0	2	MASCOT	T	
4.10E-02	0|0	Cs2g12130.1/Cs2g121	4.53	0	0	2	MASCOT	T	
2.40E-03	0|0	Cs2g30910.1/Cs2g309	5.96	1	0	2	MASCOT	T	PLEX8
6.95E-02	0|0	Cs2g30910.1/Cs2g309	8.59	1	0	2	MASCOT	T	PLEX8
2.23E-01	0|0	Cs5g33860.1/Cs5g338	4.37	0	0	2	MASCOT	T	PLEX8
9.83E-02	0|0	Cs5g33860.1/Cs5g338	4.37	0	0	2	MASCOT	T	PLEX8
3.40E-01	0|0	Cs5g33860.1/Cs5g338	4.37	0	0	2	MASCOT	T	PLEX8
2.04E-04	0|0	Cs5g33860.1/Cs5g338	5.32	0	0	2	MASCOT	T	PLEX8
1.71E-02	0|0	Cs5g33860.1/Cs5g338	4.14	0	0	2	MASCOT	T	PLEX8
3.04E-03	0|0	Cs5g33860.1/Cs5g338	4.14	0	0	2	MASCOT	T	PLEX8
1.48E-03	0|0	Cs5g33860.1/Cs5g338	4.14	0	0	2	MASCOT	T	PLEX8
9.01E-03	0|0	Cs5g33860.1/Cs5g338	4.14	0	0	2	MASCOT	T	PLEX8
1.61E-01	0|0	Cs5g33860.1/Cs5g338	8.47	0	0	2	MASCOT	T	PLEX8
1.15E-02	0|0	Cs5g33860.1/Cs5g338	4.54	0	0	2	MASCOT	T	PLEX8
1.15E-02	0|0	Cs5g33860.1/Cs5g338	8.5	0	0	2	MASCOT	T	PLEX8
3.92E-02	0|0	Cs5g33860.1/Cs5g338	8.59	0	0	2	MASCOT	T	PLEX8
2.66E-02	0|0	Cs5g33860.1/Cs5g338	8.59	0	0	2	MASCOT	T	PLEX8
5.10E-02	0|0	Cs5g33860.1/Cs5g338	8.59	0	0	2	MASCOT	T	PLEX8
6.49E-02	0|0	Cs5g33860.1/Cs5g338	8.59	0	0	2	MASCOT	T	PLEX8
2.42E-01	0|0	Cs5g33860.1/Cs5g338	8.59	0	0	2	MASCOT	T	PLEX8
3.23E-02	0|0	Cs5g33860.1/Cs5g338	8.59	0	0	2	MASCOT	T	PLEX8
1.25E-02	0|0	Cs5g33860.1	6.73	0	0	2	MASCOT	T	PLEX8
5.40E-03	0|0	Cs5g33860.1	6.73	0	0	2	MASCOT	T	PLEX8
1.16E-01	0|0	Cs5g33860.1/Cs5g338	4.53	0	0	2	MASCOT	T	PLEX8
4.58E-02	0|0	Cs5g33860.1/Cs5g338	4.53	0	0	2	MASCOT	T	
2.42E-02	0|0	Cs5g33860.1/Cs5g338	4.53	0	0	2	MASCOT	T	
1.13E-05	0|0	Cs5g33860.1/Cs5g338	4.25	0	0	2	MASCOT	T	PLEX8
3.51E-04	0|0	Cs3g19790.1/Cs3g197	5.32	0	0	2	MASCOT	T	PLEX8
3.52E-01	0|0	Cs3g19790.1/Cs3g197	5.32	0	0	2	MASCOT	T	PLEX8
3.45E-02	0|0	Cs3g19790.1/Cs3g197	5.32	0	0	2	MASCOT	T	PLEX8
7.52E-02	0|0	Cs3g19790.1/Cs3g197	4.53	0	0	2	MASCOT	T	PLEX8
1.54E-01	0|0	Cs3g19790.1/Cs3g197	8.75	0	0	2	MASCOT	T	PLEX8
5.43E-02	0|0	Cs3g19790.1/Cs3g197	8.75	0	0	2	MASCOT	T	PLEX8
1.69E-01	0|0	Cs3g19790.1/Cs3g197	6	0	0	2	MASCOT	T	PLEX8
4.18E-02	0|0	Cs3g19790.1/Cs3g197	6	0	0	2	MASCOT	T	PLEX8
1.04E-01	0|0	Cs3g19790.1/Cs3g197	6	0	0	2	MASCOT	T	PLEX8
5.81E-02	0|0	Cs3g19790.1/Cs3g197	6	0	0	2	MASCOT	T	PLEX8
1.97E-03	0|0	Cs3g19790.1/Cs3g197	4.14	0	0	2	MASCOT	T	PLEX8
1.07E-01	0|0	Cs3g19790.1/Cs3g197	4.14	0	0	2	MASCOT	T	PLEX8
1.58E-02	0|0	Cs3g19790.1/Cs3g197	4.14	0	0	2	MASCOT	T	PLEX8

8.11E-03	0|0	Cs3g19790.1/Cs3g197	4.09	0	0	2	MASCOT	T	PLEX8
3.34E-02	0|0	Cs3g19790.1/Cs3g197	4.14	0	0	2	MASCOT	T	PLEX8
2.04E-02	0|0	Cs3g19790.1/Cs3g197	4.14	0	0	2	MASCOT	T	PLEX8
8.50E-03	0|0	Cs3g19790.1/Cs3g197	4.14	0	0	2	MASCOT	T	PLEX8
2.65E-01	0|0	Cs3g19790.1/Cs3g197	4.14	0	0	2	MASCOT	T	PLEX8
2.78E-01	0|0	Cs3g19790.1/Cs3g197	4.14	0	0	2	MASCOT	T	PLEX8
2.56E-01	0|0	Cs3g19790.1/Cs3g197	4.14	0	0	2	MASCOT	T	
8.18E-02	0|0	Cs3g19790.1/Cs3g197	6	0	0	2	MASCOT	T	PLEX8
5.04E-02	0|0	Cs3g19790.1/Cs3g197	5.3	0	0	2	MASCOT	T	PLEX8
8.74E-02	0|0	Cs4g19830.1/Cs4g198	4.53	0	0	2	MASCOT	T	
1.05E-03	0|0	Cs4g19830.1/Cs4g198	4.53	0	0	2	MASCOT	T	PLEX8
2.37E-02	0|0	Cs6g09690.1 ! Cs4g16	8.75	0	0	2	MASCOT	T	PLEX8
1.75E-03	0|0	Cs4g19830.1/Cs4g198	5.84	0	0	2	MASCOT	T	
6.87E-06	0|0	Cs4g19830.1/Cs4g198	5.84	0	0	2	MASCOT	T	
1.67E-01	0|0	Cs4g19830.1/Cs4g198	5.5	0	0	2	MASCOT	T	PLEX8
4.84E-04	0|0	Cs4g16050.1 ! Cs4g19	8.72	0	0	2	MASCOT	T	PLEX8
6.29E-02	0|0	Cs4g16050.1 ! Cs4g19	8.72	0	0	2	MASCOT	T	PLEX8
2.43E-04	0|0	Cs4g16050.1 ! Cs4g19	8.72	0	0	2	MASCOT	T	PLEX8
9.40E-05	0|0	Cs4g16050.1/Cs4g198	4.37	0	0	2	MASCOT	T	
2.10E-01	0|0	Cs4g16050.1/Cs4g198	8.75	0	0	2	MASCOT	T	PLEX8
3.34E-02	0|0	Cs4g16050.1/Cs4g198	8.75	0	0	2	MASCOT	T	PLEX8
1.04E-01	0|0	Cs4g16050.1/Cs4g198	8.75	0	0	2	MASCOT	T	PLEX8
1.53E-01	0|0	Cs4g16050.1/Cs4g198	5.97	0	0	2	MASCOT	T	PLEX8
1.90E-01	0|0	Cs4g16050.1/Cs4g198	5.97	0	0	2	MASCOT	T	PLEX8
1.99E-01	0|0	Cs4g16050.1/Cs4g198	5.97	0	0	2	MASCOT	T	PLEX8
1.58E-01	0|0	Cs4g16050.1/Cs4g198	8.19	0	0	2	MASCOT	T	PLEX8
2.85E-02	0|0	Cs4g16050.1/Cs4g198	8.19	0	0	2	MASCOT	T	PLEX8
2.44E-02	0|0	Cs4g16050.1/Cs4g198	8.19	0	0	2	MASCOT	T	PLEX8
1.23E-02	0|0	Cs4g16050.1/Cs4g198	8.22	0	0	2	MASCOT	T	
1.93E-02	0|0	Cs4g16050.1/Cs4g198	8.22	0	0	2	MASCOT	T	
1.34E-01	0|0	Cs4g16050.1/Cs4g198	8.22	0	0	2	MASCOT	T	
1.25E-02	0|0	orange1.1t01400.1	4.04	1	0	2	MASCOT	T	
1.69E-02	0|0	orange1.1t01400.1	5.84	0	0	2	MASCOT	T	PLEX8
2.04E-01	0|0	orange1.1t01400.1	5.84	0	0	2	MASCOT	T	
3.44E-01	0|0	orange1.1t01400.1	5.84	0	0	2	MASCOT	T	PLEX8
1.32E-01	0|0	orange1.1t01400.1	5.84	0	0	2	MASCOT	T	PLEX8
2.07E-02	0|0	orange1.1t01400.1	4.03	0	0	2	MASCOT	T	PLEX8
2.17E-02	0|0	orange1.1t01400.1	8.75	0	0	2	MASCOT	T	
1.10E-02	0|0	orange1.1t01400.1	4.37	0	0	2	MASCOT	T	PLEX8
1.14E-02	0|0	orange1.1t01400.1	8.75	0 15.9	0	2	MASCOT	T	PLEX8
2.69E-03	0|0	orange1.1t01400.1	8.75	0	0	2	MASCOT	T	PLEX8
7.04E-02	0|0	orange1.1t01400.1	6	0	0	2	MASCOT	T	PLEX8
2.41E-03	0|0	orange1.1t01400.1	6	0	0	2	MASCOT	T	PLEX8
1.52E-01	0|0	orange1.1t01400.1	6	0	0	2	MASCOT	T	PLEX8
7.67E-04	0|0	orange1.1t01400.1	6	0	0	2	MASCOT	T	PLEX8
2.56E-01	0|0	orange1.1t01400.1	6	0	0	2	MASCOT	T	PLEX8
1.13E-02	0|0	orange1.1t01400.1	4.53	0 15.9	0	2	MASCOT	T	PLEX8
2.16E-01	0|0	orange1.1t01400.1	4.53	0 15.9	0	2	MASCOT	T	PLEX8
4.14E-01	0|0	orange1.1t01400.1	4.53	0	0	2	MASCOT	T	PLEX8
8.37E-02	0|0	orange1.1t01400.1	4.53	0	0	2	MASCOT	T	PLEX8
6.51E-02	0|0	orange1.1t01400.1 ! or	4.54	0 15.9	0	2	MASCOT	T	PLEX8

2.74E-03	0|0	Cs4g05200.1/orange1.	5.55	0	0	2	MASCOT	T	PLEX8
2.02E-02	0|0	Cs4g05200.1/orange1.	5.55	0	0	2	MASCOT	T	PLEX8
1.63E-03	0|0	Cs4g02110.1	4	0	0	2	MASCOT	T	PLEX8
1.29E-02	0|0	Cs4g02110.1	6.75	0	0	2	MASCOT	T	PLEX8
3.69E-02	0|0	Cs4g02110.1	6.75	0	0	2	MASCOT	T	PLEX8
2.23E-01	0|0	Cs4g02110.1	5.84	0	0	2	MASCOT	T	PLEX8
1.78E-02	0|0	Cs4g02110.1	4.25	0	0	2	MASCOT	T	PLEX8
9.35E-04	0|0	Cs4g02110.1	4.25	0	0	2	MASCOT	T	PLEX8
1.91E-03	0|0	Cs4g02110.1	4.25	0	0	2	MASCOT	T	PLEX8
8.68E-02	0|0	Cs4g02110.1	4.25	0	0	2	MASCOT	T	PLEX8
1.57E-01	0|0	Cs4g02110.1	6	0	0	2	MASCOT	T	PLEX8
1.49E-01	0|0	Cs4g02110.1	6	0	0	2	MASCOT	T	PLEX8
2.15E-01	0|0	Cs4g02110.1	6	0	0	2	MASCOT	T	
1.31E-02	0|0	Cs4g02110.1	8.25	0	0	2	MASCOT	T	PLEX8
1.01E-02	0|0	Cs4g02110.1	8.25	0	0	2	MASCOT	T	PLEX8
3.35E-03	0|0	Cs4g02110.1	6	0	0	2	MASCOT	T	PLEX8
1.02E-02	0|0	Cs4g02110.1	6	0	0	2	MASCOT	T	PLEX8
2.44E-03	0|0	Cs4g02110.1	6	0	0	2	MASCOT	T	PLEX8
1.39E-02	0|0	Cs4g02110.1	6	0	0	2	MASCOT	T	PLEX8
5.27E-03	0|0	Cs4g02110.1	8.75	0	0	2	MASCOT	T	
4.02E-02	0|0	Cs4g02110.1	6	0	0	2	MASCOT	T	PLEX8
2.37E-02	0|0	Cs4g02110.1	6	0	0	2	MASCOT	T	PLEX8
3.42E-03	0|0	Cs4g02110.1	8.72	0	0	2	MASCOT	T	PLEX8
2.13E-04	0|0	Cs4g18400.1/Cs4g184	4.37	0	0	2	MASCOT	T	
4.16E-01	0|0	Cs4g18400.1/Cs4g184	4.37	0	0	2	MASCOT	T	
5.26E-04	0|0	Cs4g18400.1/Cs4g184	4.65	0	0	2	MASCOT	T	PLEX8
1.76E-03	0|0	Cs4g18400.1/Cs4g184	4.65	0	0	2	MASCOT	T	PLEX8
3.31E-02	0|0	Cs4g18400.1/Cs4g184	4.65	0	0	2	MASCOT	T	PLEX8
3.92E-03	0|0	Cs4g18400.1/Cs4g184	4.65	0	0	2	MASCOT	T	
1.28E-02	0|0	Cs4g18400.1/Cs4g184	4.65	0	0	2	MASCOT	T	
5.29E-01	0|0	Cs4g18400.1/Cs4g184	9.41	0	0	2	MASCOT	T	PLEX8
2.30E-01	0|0	Cs4g18400.1/Cs4g184	5.88	0	0	2	MASCOT	T	
7.81E-04	0|0	Cs4g18400.1/Cs4g184	5.88	0	0	2	MASCOT	T	
6.65E-03	0|0	Cs4g18400.1/Cs4g184	5.88	0	0	2	MASCOT	T	PLEX8
1.76E-03	0|0	Cs4g18400.1/Cs4g184	8.21	0	0	2	MASCOT	T	PLEX8
4.13E-04	0|0	Cs4g18400.1/Cs4g184	8.21	0	0	2	MASCOT	T	PLEX8
7.25E-02	0|0	Cs4g18400.1/Cs4g184	5.84	0	0	2	MASCOT	T	PLEX8
1.93E-02	0|0	Cs4g18400.1/Cs4g184	5.13	0	0	2	MASCOT	T	
9.32E-02	0|0	Cs4g18400.1/Cs4g184	5.13	0	0	2	MASCOT	T	
1.11E-02	0|0	Cs4g18400.1/Cs4g184	6.46	0	0	2	MASCOT	T	
1.51E-02	0|0	Cs4g18400.1/Cs4g184	4.4	0	0	2	MASCOT	T	PLEX8
1.46E-03	0|0	Cs4g18400.1/Cs4g184	4.4	0	0	2	MASCOT	T	PLEX8
1.88E-01	0|0	Cs4g18400.1/Cs4g184	4.75	0	0	2	MASCOT	T	PLEX8
8.44E-02	0|0	Cs4g18400.1/Cs4g184	4.75	0	0	2	MASCOT	T	PLEX8
3.81E-02	0|0	Cs1g17930.1/Cs1g179	4.03	0	0	2	MASCOT	T	
4.61E-02	0|0	Cs1g17930.1/Cs1g179	4.41	0	0	2	MASCOT	T	
1.36E-04	0|0	Cs1g17930.1/Cs1g179	4.41	0	0	2	MASCOT	T	PLEX8
2.75E-03	0|0	Cs1g17930.1/Cs1g179	4.41	0	0	2	MASCOT	T	
8.96E-05	0|0	Cs1g17930.1/Cs1g179	4.41	0	0	2	MASCOT	T	PLEX8
3.85E-02	0|0	Cs1g17930.1/Cs1g179	4.41	0	0	2	MASCOT	T	
5.79E-05	0|0	Cs1g17930.1/Cs1g179	4.41	0	0	2	MASCOT	T	

4.52E-04	0|0	Cs1g17930.1/Cs1g179	4.21	0	0	2	MASCOT	T	PLEX8	
1.42E-01	0|0	Cs1g17930.1/Cs1g179	4.21	0	0	2	MASCOT	T		
1.74E-02	0|0	Cs1g17930.1/Cs1g179	6.1	0	0	2	MASCOT	T	PLEX8	
2.46E-02	0|0	Cs1g17930.1/Cs1g179	4.53	0	0	2	MASCOT	T	PLEX8	
1.64E-02	0|0	Cs1g17930.1/Cs1g179	4.53	0	0	2	MASCOT	T	PLEX8	
1.36E-04	0|0	Cs1g17930.1/Cs1g179	4.37	0	0	2	MASCOT	T	PLEX8	
1.43E-01	0|0	Cs1g17930.1/Cs1g179	5.84	0	0	2	MASCOT	T	PLEX8	
1.69E-01	0|0	Cs1g17930.1/Cs1g179	9.75	0	0	2	MASCOT	T	PLEX8	
4.46E-05	0|0	Cs1g17930.1/Cs1g179	6	0	0	2	MASCOT	T	PLEX8	
1.76E-01	0|0	Cs1g17930.1/Cs1g179	6	0	0	2	MASCOT	T	PLEX8	
1.94E-04	0|0	Cs1g17930.1/Cs1g179	6	0	0	2	MASCOT	T	PLEX8	
4.98E-03	0|0	Cs1g17930.1/Cs1g179	4.37	0	0	2	MASCOT	T	PLEX8	
5.40E-02	0|0	Cs1g17930.1/Cs1g179	4.37	0	0	2	MASCOT	T	PLEX8	
2.01E-02	0|0	Cs2g15180.1/Cs2g151	4.14	0	0	2	MASCOT	T	PLEX8	
1.56E-02	0|0	Cs2g15180.1/Cs2g151	4.14	0	0	2	MASCOT	T	PLEX8	
3.81E-02	0|0	Cs2g15180.1/Cs4g183	8.75	0	0	2	MASCOT	T	PLEX8	
2.53E-01	0|0	Cs2g15180.1/Cs4g183	8.75	0	0	2	MASCOT	T	PLEX8	
4.32E-03	0|0	Cs2g15180.1/Cs4g183	8.75	0	0	2	MASCOT	T	PLEX8	
1.75E-02	0|0	Cs2g15180.1/Cs4g183	8.75	0	0	2	MASCOT	T	PLEX8	
2.56E-03	0|0	Cs2g15180.1/Cs2g151	4.53	0	0	2	MASCOT	T	PLEX8	
3.83E-03	0|0	Cs2g15180.1/Cs2g151	4.53	0	0	2	MASCOT	T	PLEX8	
7.74E-02	0|0	Cs2g15180.1/Cs2g151	4.53	0	0	2	MASCOT	T	PLEX8	
2.26E-01	0|0	Cs2g15180.1	8.73	0	0	2	MASCOT	T	PLEX8	
3.84E-01	0|0	Cs2g15180.1	6.01	0	0	2	MASCOT	T	PLEX8	
5.56E-02	0|0	Cs2g15180.1	6.01	0	0	2	MASCOT	T		
2.73E-02	0|0	Cs2g15180.1	4.56	1	0	2	MASCOT	T	PLEX8	
1.04E-04	0|0	Cs2g15180.1/Cs6g213	4.37	0	0	2	MASCOT	T	PLEX8	
1.56E-03	0|0	Cs2g15180.1/Cs6g213	4.37	0	0	2	MASCOT	T	PLEX8	
5.79E-06	0|0	Cs2g15180.1	4.21	0	0	2	MASCOT	T		
6.03E-02	0|0	Cs2g15180.1	4.21	0	0	2	MASCOT	T		
7.68E-03	0|0	Cs2g15180.1	8.47	0	15.9	0	2	MASCOT	T	PLEX8
2.27E-04	0|0	Cs2g15180.1	5.97	0	0	2	MASCOT	T	PLEX8	
2.09E-01	0|0	Cs2g15180.1	5.97	0	0	2	MASCOT	T	PLEX8	
1.28E-02	0|0	Cs3g15560.1/Cs3g155	4.37	0	0	2	MASCOT	T	PLEX8	
1.66E-01	0|0	Cs3g15560.1/Cs3g155	8.75	0	0	2	MASCOT	T	PLEX8	
1.71E-01	0|0	Cs3g15560.1/Cs3g155	8.75	0	0	2	MASCOT	T	PLEX8	
1.03E-03	0|0	Cs3g15560.1/Cs3g155	5.5	0	0	2	MASCOT	T	PLEX8	
3.72E-02	0|0	Cs3g15560.1/Cs3g155	5.5	0	0	2	MASCOT	T		
7.48E-03	0|0	Cs3g15560.1/Cs3g155	9.72	0	0	2	MASCOT	T	PLEX8	
2.27E-01	0|0	Cs3g15560.1/Cs3g155	9.72	0	0	2	MASCOT	T	PLEX8	
4.33E-05	0|0	Cs3g15560.1/Cs3g155	6.05	0	0	2	MASCOT	T		
5.43E-03	0|0	Cs3g15560.1/Cs3g155	6.05	0	0	2	MASCOT	T		
4.85E-01	0|0	Cs3g15560.1/Cs3g155	6.1	0	0	2	MASCOT	T	PLEX8	
9.36E-02	0|0	Cs3g15560.1/Cs3g155	4.53	0	0	2	MASCOT	T	PLEX8	
2.54E-01	0|0	Cs3g15560.1/Cs3g155	4.53	0	0	2	MASCOT	T	PLEX8	
2.80E-01	0|0	Cs3g15560.1/Cs3g155	8.75	0	0	2	MASCOT	T	PLEX8	
2.88E-02	0|0	Cs3g15560.1/Cs3g155	8.75	0	0	2	MASCOT	T	PLEX8	
7.86E-02	0|0	Cs3g15560.1/Cs3g155	6	0	0	2	MASCOT	T	PLEX8	
2.51E-01	0|0	Cs3g15560.1/Cs3g155	6	0	0	2	MASCOT	T	PLEX8	
4.27E-01	0|0	Cs3g15560.1/Cs3g155	6	0	0	2	MASCOT	T	PLEX8	
8.52E-03	0|0	Cs3g15560.1/Cs3g155	8.73	0	15.9	0	2	MASCOT	T	PLEX8

2.30E-01 0|0	Cs3g15560.1/Cs3g155	8.73	0 15.9	0	2 MASCOT	T	PLEX8
2.32E-03 0|0	Cs3g15560.1/Cs3g155	8.73	0 15.9	0	2 MASCOT	T	PLEX8
6.18E-04 0|0	Cs7g22130.1	4.75	0	0	2 MASCOT	T	PLEX8
3.46E-03 0|0	Cs7g22130.1	4.75	0	0	2 MASCOT	T	PLEX8
8.77E-03 0|0	Cs7g22130.1	4.75	0	0	2 MASCOT	T	PLEX8
1.28E-01 0|0	Cs7g22130.1	4.75	0	0	2 MASCOT	T	
1.82E-01 0|0	Cs7g22130.1	6	0	0	2 MASCOT	T	
3.79E-02 0|0	Cs5g35310.1 ! Cs7g22	4.14	0	0	2 MASCOT	T	
7.14E-05 0|0	Cs5g35310.1 ! Cs7g22	4.14	0	0	2 MASCOT	T	
8.64E-02 0|0	Cs7g22130.1	4.54	0	0	2 MASCOT	T	PLEX8
7.85E-03 0|0	Cs7g22130.1	4.54	0	0	2 MASCOT	T	PLEX8
1.66E-03 0|0	Cs7g22130.1	6.14	0	0	2 MASCOT	T	PLEX8
5.87E-03 0|0	Cs7g22130.1	6.14	0	0	2 MASCOT	T	PLEX8
1.70E-01 0|0	Cs7g22130.1	8.59	0	0	2 MASCOT	T	PLEX8
1.24E-02 0|0	Cs7g22130.1	6.79	0	0	2 MASCOT	T	PLEX8
1.33E-01 0|0	Cs7g22130.1	6.79	0	0	2 MASCOT	T	PLEX8
4.71E-03 0|0	Cs7g22130.1	6.79	0	0	2 MASCOT	T	PLEX8
2.23E-02 0|0	Cs7g22130.1	4.37	0	0	2 MASCOT	T	PLEX8
3.47E-04 0|0	Cs5g35310.1/Cs7g221	5.4	0	0	2 MASCOT	T	PLEX8
7.51E-02 0|0	Cs5g35310.1/Cs7g221	5.4	0	0	2 MASCOT	T	PLEX8
1.61E-02 0|0	Cs5g35310.1 ! Cs7g22	4.68	1	0	2 MASCOT	T	PLEX8
4.06E-03 0|0	Cs5g35310.1 ! Cs7g22	4.68	1	0	2 MASCOT	T	PLEX8
1.36E-01 0|0	Cs2g24910.1	6.1	0	0	2 MASCOT	T	PLEX8
2.45E-02 0|0	Cs2g24910.1	4.21	0	0	2 MASCOT	T	PLEX8
2.50E-01 0|0	Cs2g24910.1	5.84	0	0	2 MASCOT	T	PLEX8
4.50E-02 0|0	Cs2g24910.1	8.59	0	0	2 MASCOT	T	PLEX8
2.03E-01 0|0	Cs2g24910.1	8.59	0	0	2 MASCOT	T	PLEX8
2.81E-02 0|0	Cs2g24910.1	4.14	0 15.9	0	2 MASCOT	T	
3.82E-02 0|0	Cs2g24910.1	6.71	0	0	2 MASCOT	T	
4.96E-02 0|0	Cs2g24910.1	3.92	0	0	2 MASCOT	T	PLEX8
2.29E-04 0|0	Cs2g24910.1	3.92	0	0	2 MASCOT	T	PLEX8
8.70E-02 0|0	Cs2g24910.1	3.92	0	0	2 MASCOT	T	PLEX8
1.41E-02 0|0	Cs2g24910.1	3.92	0	0	2 MASCOT	T	PLEX8
1.26E-01 0|0	Cs2g24910.1	3.92	0	0	2 MASCOT	T	PLEX8
2.30E-02 0|0	Cs2g24910.1	5.4	0	0	2 MASCOT	T	PLEX8
3.26E-02 0|0	Cs2g24910.1	5.4	0	0	2 MASCOT	T	PLEX8
6.01E-02 0|0	Cs2g24910.1	8.56	0	0	2 MASCOT	T	PLEX8
1.98E-04 0|0	Cs2g24910.1	8.56	0	0	2 MASCOT	T	PLEX8
5.78E-04 0|0	Cs2g24910.1	8.56	0	0	2 MASCOT	T	PLEX8
1.47E-02 0|0	Cs2g24910.1	8.59	0	0	2 MASCOT	T	PLEX8
1.91E-02 0|0	Cs3g15060.1	4.14	0	0	2 MASCOT	T	PLEX8
2.58E-02 0|0	Cs3g15060.1	4.14	0	0	2 MASCOT	T	PLEX8
6.38E-03 0|0	Cs3g15060.1	4.14	0	0	2 MASCOT	T	PLEX8
2.70E-02 0|0	Cs3g15060.1/Cs3g150	4.03	0	0	2 MASCOT	T	PLEX8
1.09E-01 0|0	Cs3g15060.1/Cs3g150	4.37	0	0	2 MASCOT	T	PLEX8
2.62E-01 0|0	Cs3g15060.1/Cs3g150	4.53	0	0	2 MASCOT	T	PLEX8
2.64E-01 0|0	Cs3g15060.1/Cs3g150	4.53	0	0	2 MASCOT	T	PLEX8
1.11E-01 0|0	Cs3g15060.1/Cs3g150	5.83	0	0	2 MASCOT	T	PLEX8
3.49E-02 0|0	Cs3g15060.1/Cs3g150	4.37	0	0	2 MASCOT	T	PLEX8
1.69E-01 0|0	Cs3g15060.1/Cs3g150	4.37	0	0	2 MASCOT	T	PLEX8
4.29E-02 0|0	Cs3g15060.1/Cs3g150	4.37	0	0	2 MASCOT	T	PLEX8

3.56E-02	0|0	Cs3g15060.1/Cs3g150	4.21	0	0	2	MASCOT	T	PLEX8	
1.40E-02	0|0	Cs3g15060.1/Cs3g150	6	0	0	2	MASCOT	T	PLEX8	
1.82E-03	0|0	Cs3g15060.1/Cs3g150	6	0	0	2	MASCOT	T	PLEX8	
4.02E-01	0|0	Cs3g15060.1/Cs3g150	6	0	0	2	MASCOT	T	PLEX8	
3.17E-04	0|0	Cs3g15060.1/Cs3g150	4.03	0	0	2	MASCOT	T	PLEX8	
2.22E-02	0|0	Cs3g15060.1/Cs3g150	4.53	0	0	2	MASCOT	T	PLEX8	
6.87E-05	0|0	Cs3g15060.1/Cs3g150	4.53	0	0	2	MASCOT	T	PLEX8	
8.16E-05	0|0	Cs6g02730.1	4.03	0	0	2	MASCOT	T	PLEX8	
1.39E-05	0|0	Cs6g02730.1	4.03	0	0	2	MASCOT	T	PLEX8	
8.72E-04	0|0	Cs6g02730.1	7.99	0	0	2	MASCOT	T	PLEX8	
2.69E-01	0|0	Cs6g02730.1	7.99	0	0	2	MASCOT	T	PLEX8	
3.06E-05	0|0	Cs6g02730.1	7.99	0	0	2	MASCOT	T	PLEX8	
3.78E-02	0|0	Cs6g02730.1	7.99	0	0	2	MASCOT	T	PLEX8	
1.14E-01	0|0	Cs6g02730.1	8.72	0	0	2	MASCOT	T	PLEX8	
2.11E-01	0|0	Cs6g02730.1	5.84	0	0	2	MASCOT	T	PLEX8	
5.89E-02	0|0	Cs6g02730.1	5.84	0	0	2	MASCOT	T	PLEX8	
3.81E-02	0|0	Cs6g02730.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.36E-02	0|0	Cs6g02730.1	4.54	0	15.9	0	2	MASCOT	T	PLEX8
2.84E-02	0|0	Cs6g02730.1	4.54	0	0	2	MASCOT	T	PLEX8	
1.39E-03	0|0	Cs6g02730.1	4.54	0	0	2	MASCOT	T	PLEX8	
1.48E-01	0|0	Cs6g02730.1	5.55	0	0	2	MASCOT	T	PLEX8	
2.44E-01	0|0	Cs6g02730.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.87E-02	0|0	Cs6g02730.1	5.3	0	0	2	MASCOT	T	PLEX8	
1.81E-01	0|0	Cs6g02730.1	8.72	0	0	2	MASCOT	T	PLEX8	
2.78E-01	0|0	Cs6g02730.1	8.72	0	0	2	MASCOT	T	PLEX8	
7.88E-04	0|0	Cs2g01780.1/Cs2g017	4.75	0	0	2	MASCOT	T	PLEX8	
4.20E-04	0|0	Cs2g01780.1/Cs2g017	4.75	0	0	2	MASCOT	T	PLEX8	
4.02E-02	0|0	Cs2g01780.1/Cs2g017	4.53	0	0	2	MASCOT	T	PLEX8	
9.37E-02	0|0	Cs2g01780.1/Cs2g017	4.54	0	0	2	MASCOT	T	PLEX8	
2.68E-03	0|0	Cs2g01780.1/Cs2g017	6.75	0	0	2	MASCOT	T	PLEX8	
2.04E-01	0|0	Cs2g01780.1/Cs2g017	6.75	0	0	2	MASCOT	T	PLEX8	
1.26E-02	0|0	Cs2g01780.1/Cs2g017	6.75	0	0	2	MASCOT	T	PLEX8	
4.91E-04	0|0	Cs2g01780.1/Cs2g017	6.75	0	0	2	MASCOT	T	PLEX8	
8.79E-04	0|0	Cs2g01780.1/Cs2g017	3.83	0	0	2	MASCOT	T	PLEX8	
3.36E-01	0|0	Cs2g01780.1/Cs2g017	4.53	0	0	2	MASCOT	T	PLEX8	
2.58E-01	0|0	Cs2g01780.1/Cs2g017	4.53	0	0	2	MASCOT	T	PLEX8	
1.52E-01	0|0	Cs2g01780.1/Cs2g017	8.06	0	0	2	MASCOT	T	PLEX8	
6.52E-03	0|0	Cs2g01780.1	8.22	0	0	2	MASCOT	T	PLEX8	
3.40E-02	0|0	Cs2g01780.1	8.22	0	0	2	MASCOT	T	PLEX8	
1.62E-01	0|0	Cs2g01780.1/Cs2g017	5.84	0	0	2	MASCOT	T	PLEX8	
7.01E-04	0|0	Cs2g01780.1/Cs2g017	5.84	0	0	2	MASCOT	T	PLEX8	
6.81E-03	0|0	Cs2g01780.1	3.93	0	0	2	MASCOT	T	PLEX8	
9.18E-04	0|0	Cs3g02510.1	6.14	1	0	2	MASCOT	T	PLEX8	
4.83E-03	0|0	Cs3g02510.1	4.41	1	0	2	MASCOT	T	PLEX8	
1.52E-01	0|0	Cs3g02510.1	4.21	0	0	2	MASCOT	T	PLEX8	
7.09E-02	0|0	Cs3g02510.1	4.25	1	0	2	MASCOT	T	PLEX8	
3.98E-02	0|0	Cs3g02510.1	4.25	1	0	2	MASCOT	T	PLEX8	
5.27E-02	0|0	Cs3g02510.1	4.25	1	0	2	MASCOT	T	PLEX8	
7.79E-04	0|0	Cs3g02510.1	4.18	0	0	2	MASCOT	T	PLEX8	
2.00E-02	0|0	Cs3g02510.1	4.18	0	0	2	MASCOT	T	PLEX8	
2.33E-02	0|0	Cs3g02510.1	4.53	0	0	2	MASCOT	T	PLEX8	

5.54E-02 0|0	Cs3g02510.1	4.53	0	0	2 MASCOT	T	PLEX8
1.67E-01 0|0	Cs3g02510.1	8.75	0	0	2 MASCOT	T	PLEX8
7.00E-03 0|0	Cs3g02510.1	5.84	0	0	2 MASCOT	T	PLEX8
4.09E-02 0|0	Cs3g02510.1	5.84	0	0	2 MASCOT	T	PLEX8
2.71E-04 0|0	Cs3g02510.1	3.91	0	0	2 MASCOT	T	PLEX8
1.95E-01 0|0	Cs3g02510.1	6	0	0	2 MASCOT	T	PLEX8
2.47E-01 0|0	Cs3g02510.1	6	0	0	2 MASCOT	T	PLEX8
4.49E-01 0|0	Cs3g02510.1	6	0	0	2 MASCOT	T	PLEX8
2.44E-01 0|0	Cs9g18160.1/Cs9g181	4.53	0	0	2 MASCOT	T	PLEX8
1.02E-05 0|0	Cs9g18160.1/Cs9g181	6	0	0	2 MASCOT	T	PLEX8
7.11E-05 0|0	Cs9g18160.1/Cs9g181	6	0	0	2 MASCOT	T	PLEX8
2.02E-01 0|0	Cs9g18160.1/Cs9g181	8.23	0	0	2 MASCOT	T	PLEX8
1.05E-01 0|0	Cs9g18160.1/Cs9g181	8.23	0	0	2 MASCOT	T	PLEX8
2.60E-02 0|0	Cs9g18160.1	5.87	0	0	2 MASCOT	T	PLEX8
4.97E-01 0|0	Cs9g18160.1	5.87	0	0	2 MASCOT	T	PLEX8
6.43E-02 0|0	Cs9g18160.1	5.87	0	0	2 MASCOT	T	PLEX8
9.04E-03 0|0	Cs9g18160.1	4.53	0	0	2 MASCOT	T	PLEX8
2.11E-01 0|0	Cs9g18160.1	5.4	0	0	2 MASCOT	T	PLEX8
9.38E-02 0|0	Cs9g18160.1/Cs9g181	4.25	0	0	2 MASCOT	T	PLEX8
1.54E-02 0|0	Cs9g18160.1/Cs9g181	9.41	0	0	2 MASCOT	T	PLEX8
4.63E-02 0|0	Cs9g18160.1/Cs9g181	5.97	0	0	2 MASCOT	T	PLEX8
4.10E-02 0|0	Cs9g18160.1	6.75	0	0	2 MASCOT	T	PLEX8
1.06E-01 0|0	Cs9g18160.1	6.75	0	0	2 MASCOT	T	PLEX8
2.32E-01 0|0	Cs9g18160.1	6.75	0	0	2 MASCOT	T	PLEX8
2.12E-02 0|0	Cs9g18160.1	6.75	0	0	2 MASCOT	T	PLEX8
1.73E-01 0|0	Cs7g07380.1	6	0	0	2 MASCOT	T	PLEX8
2.66E-02 0|0	Cs7g07380.1	6	0	0	2 MASCOT	T	PLEX8
9.81E-02 0|0	Cs7g07380.1	8.75	0	0	2 MASCOT	T	
4.19E-05 0|0	Cs7g07380.1	8.75	0	0	2 MASCOT	T	
9.17E-05 0|0	Cs7g07380.1	4	0	0	2 MASCOT	T	PLEX8
6.74E-02 0|0	Cs7g07380.1	8.75	1	0	2 MASCOT	T	PLEX8
9.70E-02 0|0	Cs7g07380.1	8.72	0	0	2 MASCOT	T	PLEX8
2.17E-01 0|0	Cs7g07380.1	6	0	0	2 MASCOT	T	PLEX8
1.22E-02 0|0	Cs7g07380.1	6	0	0	2 MASCOT	T	PLEX8
2.44E-01 0|0	Cs7g07380.1	4.37	0	0	2 MASCOT	T	PLEX8
1.25E-03 0|0	Cs7g07380.1	8.22	0	0	2 MASCOT	T	PLEX8
1.41E-02 0|0	Cs7g07380.1	8.22	0	0	2 MASCOT	T	PLEX8
1.61E-04 0|0	Cs7g07380.1	4.37	0	0	2 MASCOT	T	PLEX8
3.16E-03 0|0	Cs7g07380.1	4.37	0	0	2 MASCOT	T	PLEX8
2.74E-04 0|0	Cs7g07380.1	4.37	0	0	2 MASCOT	T	PLEX8
1.98E-01 0|0	Cs7g07380.1	8.47	0	0	2 MASCOT	T	PLEX8
1.27E-01 0|0	Cs1g20200.1	4.37	0	0	2 MASCOT	T	PLEX8
1.12E-02 0|0	Cs1g20200.1	4.53	0	0	2 MASCOT	T	
1.03E-01 0|0	Cs1g20200.1	4.37	0	0	2 MASCOT	T	PLEX8
3.90E-03 0|0	Cs1g20200.1	5.99	0	0	2 MASCOT	T	PLEX8
7.32E-02 0|0	Cs1g20200.1	5.99	0	0	2 MASCOT	T	PLEX8
2.42E-04 0|0	Cs1g20200.1	5.99	0	0	2 MASCOT	T	PLEX8
2.19E-01 0|0	Cs1g20200.1	8.75	0	0	2 MASCOT	T	PLEX8
1.78E-03 0|0	Cs1g20200.1	4.14	0	0	2 MASCOT	T	
1.20E-01 0|0	Cs1g20200.1	3.93	0	0	2 MASCOT	T	PLEX8
5.78E-03 0|0	Cs1g20200.1	3.93	0	0	2 MASCOT	T	PLEX8

2.42E-02	0|0	Cs1g20200.1	8.72	0	0	2	MASCOT	T	PLEX8
2.49E-02	0|0	Cs1g20200.1	8.72	0	0	2	MASCOT	T	PLEX8
2.93E-02	0|0	Cs1g20200.1	8.72	0	0	2	MASCOT	T	PLEX8
4.08E-02	0|0	Cs1g15970.1/Cs1g202	5.84	0	0	2	MASCOT	T	
4.21E-02	0|0	Cs1g20200.1	6.91	0	0	2	MASCOT	T	
1.49E-01	0|0	Cs8g02460.1/Cs8g024	8.79	0	0	2	MASCOT	T	PLEX8
3.80E-02	0|0	Cs8g02460.1	4.08	0	15.9	0	2	MASCOT	T
4.19E-03	0|0	Cs8g02460.1	5.4	0	0	2	MASCOT	T	PLEX8
2.31E-02	0|0	Cs8g02460.1	5.4	0	0	2	MASCOT	T	PLEX8
2.07E-05	0|0	Cs8g02460.1/Cs8g024	3.71	0	0	2	MASCOT	T	PLEX8
7.64E-02	0|0	Cs8g02460.1/Cs8g024	9.76	0	0	2	MASCOT	T	PLEX8
9.93E-02	0|0	Cs8g02460.1/Cs8g024	9.76	0	0	2	MASCOT	T	
1.53E-02	0|0	Cs8g02460.1/Cs8g024	4.37	0	0	2	MASCOT	T	PLEX8
3.79E-01	0|0	Cs8g02460.1/Cs8g024	4.37	0	0	2	MASCOT	T	PLEX8
1.25E-01	0|0	Cs8g02460.1/Cs8g024	4.37	0	0	2	MASCOT	T	PLEX8
2.23E-01	0|0	Cs8g02460.1/Cs8g024	5.84	0	0	2	MASCOT	T	PLEX8
1.63E-01	0|0	Cs8g02460.1/Cs8g024	4.53	0	0	2	MASCOT	T	
9.49E-02	0|0	Cs8g02460.1/Cs8g024	4.53	0	0	2	MASCOT	T	
3.35E-02	0|0	Cs8g02460.1	8.59	0	0	2	MASCOT	T	PLEX8
8.82E-03	0|0	Cs8g02460.1/Cs8g024	4.53	0	0	2	MASCOT	T	PLEX8
8.84E-05	0|0	Cs3g17840.1/Cs3g178	4.53	0	0	2	MASCOT	T	PLEX8
2.19E-02	0|0	Cs3g17840.2/Cs3g178	8.72	0	0	2	MASCOT	T	PLEX8
4.03E-02	0|0	Cs3g17840.1/Cs3g178	4.21	0	0	2	MASCOT	T	
1.21E-02	0|0	Cs3g17840.1/Cs3g178	4.21	0	0	2	MASCOT	T	
1.93E-01	0|0	Cs3g17840.1/Cs3g178	6	0	0	2	MASCOT	T	PLEX8
2.13E-02	0|0	Cs3g17840.1/Cs3g178	8.59	0	0	2	MASCOT	T	PLEX8
5.76E-03	0|0	Cs3g17840.1/Cs3g178	8.59	0	0	2	MASCOT	T	PLEX8
4.29E-02	0|0	Cs3g17840.1/Cs3g178	8.59	0	0	2	MASCOT	T	PLEX8
3.70E-04	0|0	Cs3g17840.1/Cs3g178	6.74	0	0	2	MASCOT	T	
1.36E-02	0|0	Cs3g17840.1/Cs3g178	5.84	0	0	2	MASCOT	T	PLEX8
3.75E-02	0|0	Cs3g17840.1/Cs3g178	5.97	0	0	2	MASCOT	T	PLEX8
2.97E-01	0|0	Cs3g17840.1/Cs3g178	8.59	0	0	2	MASCOT	T	
4.97E-04	0|0	Cs6g13880.1/Cs6g138	6.85	0	0	2	MASCOT	T	PLEX8
1.68E-04	0|0	Cs6g13880.1/Cs6g138	6.85	0	0	2	MASCOT	T	PLEX8
2.76E-02	0|0	Cs6g13880.1/Cs6g138	6.85	0	0	2	MASCOT	T	PLEX8
9.47E-05	0|0	Cs6g13880.1/Cs6g138	6.85	0	0	2	MASCOT	T	PLEX8
6.51E-02	0|0	Cs6g13880.1/Cs6g138	6.85	0	0	2	MASCOT	T	
4.84E-04	0|0	Cs6g13880.1/Cs6g138	6.85	0	0	2	MASCOT	T	PLEX8
1.69E-01	0|0	Cs6g13880.1/Cs6g138	6.85	0	0	2	MASCOT	T	PLEX8
4.71E-02	0|0	Cs6g13880.1/Cs6g138	6.85	0	0	2	MASCOT	T	PLEX8
6.26E-07	0|0	Cs6g13880.1/Cs6g138	6.85	0	0	2	MASCOT	T	PLEX8
2.02E-01	0|0	Cs6g13880.1/Cs6g138	6.85	0	0	2	MASCOT	T	
1.20E-03	0|0	Cs6g13880.1/Cs6g138	6.85	0	0	2	MASCOT	T	
2.47E-02	0|0	Cs6g13880.1	4	0	0	2	MASCOT	T	PLEX8
5.44E-02	0|0	Cs6g13880.1	4	0	0	2	MASCOT	T	PLEX8
2.87E-02	0|0	Cs6g13880.1	4	0	0	2	MASCOT	T	PLEX8
2.57E-02	0|0	Cs6g13880.1	4	0	0	2	MASCOT	T	
1.38E-02	0|0	Cs6g13880.1	4	0	0	2	MASCOT	T	
3.57E-01	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
8.45E-02	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
5.55E-02	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8

2.84E-01	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
2.25E-01	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
2.65E-01	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
6.05E-02	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
4.64E-02	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	
4.85E-01	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
5.78E-02	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
2.58E-02	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	
2.73E-01	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	
1.61E-01	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	
3.95E-01	0|0	Cs6g13880.1/Cs6g138	5.55	0	0	2	MASCOT	T	PLEX8
3.37E-02	0|0	Cs6g13880.1/Cs6g138	5.55	0	0	2	MASCOT	T	PLEX8
4.68E-01	0|0	Cs6g13880.1/Cs6g138	5.55	0	0	2	MASCOT	T	PLEX8
9.20E-02	0|0	Cs6g13880.1/Cs6g138	5.55	0	0	2	MASCOT	T	PLEX8
4.91E-01	0|0	Cs6g13880.1/Cs6g138	5.55	0	0	2	MASCOT	T	PLEX8
3.35E-03	0|0	Cs6g13880.1/Cs6g138	5.55	0	0	2	MASCOT	T	PLEX8
2.66E-01	0|0	Cs6g13880.1/Cs6g138	5.55	0	0	2	MASCOT	T	PLEX8
1.85E-03	0|0	Cs6g13880.1/Cs6g138	5.55	0	0	2	MASCOT	T	PLEX8
1.34E-01	0|0	Cs6g13880.1/Cs6g138	5.55	0	0	2	MASCOT	T	
5.90E-02	0|0	Cs6g13880.1/Cs6g138	5.55	0	0	2	MASCOT	T	
1.17E-02	0|0	Cs6g13880.1/Cs6g138	5.55	0	0	2	MASCOT	T	PLEX8
8.90E-04	0|0	Cs6g13880.1/Cs6g138	5.55	0	0	2	MASCOT	T	PLEX8
4.29E-02	0|0	Cs6g13880.1/Cs6g138	5.55	0	0	2	MASCOT	T	PLEX8
1.56E-02	0|0	Cs6g13880.1/Cs6g138	5.55	0	0	2	MASCOT	T	PLEX8
7.42E-02	0|0	Cs6g13880.1/Cs6g138	5.55	0	0	2	MASCOT	T	PLEX8
6.22E-04	0|0	Cs6g13880.1/Cs6g138	5.55	0	0	2	MASCOT	T	PLEX8
6.97E-04	0|0	Cs6g13880.1/Cs6g138	5.55	0	0	2	MASCOT	T	PLEX8
1.91E-01	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
5.98E-03	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
2.65E-02	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
3.50E-02	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
1.03E-02	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
4.38E-02	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
7.46E-03	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
8.10E-03	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
2.71E-01	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
7.46E-02	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
3.05E-01	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
3.43E-02	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
5.22E-02	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	
6.29E-02	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
2.81E-01	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
2.04E-01	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
4.90E-02	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
3.37E-01	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
4.70E-02	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
2.79E-01	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
3.04E-02	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	
4.68E-01	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	
3.06E-02	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	
3.58E-01	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8

1.43E-01	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
2.00E-02	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	
9.72E-02	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
2.20E-02	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
2.10E-02	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
1.26E-02	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
2.10E-02	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
1.12E-01	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
4.32E-02	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
2.85E-01	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
2.12E-02	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
2.00E-02	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
5.11E-03	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
1.82E-01	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	
2.39E-01	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	
1.65E-01	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	
2.60E-02	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
9.91E-02	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
1.55E-02	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
6.35E-04	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
2.34E-02	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
1.81E-01	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
6.76E-02	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
2.13E-01	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
4.09E-02	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
3.43E-02	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
1.80E-01	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
8.81E-02	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
2.95E-02	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
2.52E-02	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
3.82E-02	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
2.56E-02	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
1.13E-01	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
1.91E-02	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
8.89E-02	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
1.80E-02	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
8.83E-03	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
9.01E-02	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
1.08E-01	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	
2.90E-02	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
1.84E-02	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
1.94E-02	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
6.70E-02	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
5.54E-02	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
1.35E-01	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
9.67E-02	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
4.20E-02	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
1.20E-01	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
3.54E-02	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	PLEX8
3.23E-01	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	
1.74E-01	0|0	Cs6g13880.1/Cs6g138	5.84	0	0	2	MASCOT	T	

9.04E-02	0|0	Cs6g13880.1/Cs6g138	6.75	1	0	2	MASCOT	T	
1.44E-01	0|0	Cs6g13880.1/Cs6g138	4.37	0	0	2	MASCOT	T	PLEX8
2.36E-01	0|0	Cs6g13880.1/Cs6g138	4.37	0	0	2	MASCOT	T	PLEX8
6.51E-02	0|0	Cs6g13880.1/Cs6g138	4.37	0	0	2	MASCOT	T	PLEX8
3.16E-02	0|0	Cs6g13880.1/Cs6g138	4.37	0	0	2	MASCOT	T	PLEX8
3.43E-02	0|0	Cs6g13880.1/Cs6g138	4.37	0	0	2	MASCOT	T	PLEX8
1.83E-01	0|0	Cs6g13880.1/Cs6g138	4.37	0	0	2	MASCOT	T	PLEX8
5.47E-02	0|0	Cs6g13880.1/Cs6g138	4.37	0	0	2	MASCOT	T	PLEX8
7.02E-03	0|0	Cs6g10385.1/Cs6g103	4.25	0	0	2	MASCOT	T	PLEX8
2.63E-02	0|0	Cs6g10385.1/Cs6g103	4.25	0	0	2	MASCOT	T	PLEX8
4.45E-05	0|0	Cs6g10385.1/Cs6g103	4.25	0	0	2	MASCOT	T	PLEX8
1.41E-02	0|0	Cs6g10385.1/Cs6g103	4.25	0	0	2	MASCOT	T	PLEX8
1.46E-02	0|0	Cs6g10385.1/Cs6g103	4.25	0	0	2	MASCOT	T	PLEX8
1.77E-05	0|0	Cs6g10385.1/Cs6g103	4.25	0	0	2	MASCOT	T	PLEX8
1.09E-01	0|0	Cs6g10385.1/Cs6g103	4.25	0	0	2	MASCOT	T	PLEX8
1.60E-03	0|0	Cs6g10385.1/Cs6g103	4.25	0	0	2	MASCOT	T	PLEX8
7.70E-03	0|0	Cs6g10385.1/Cs6g103	4.25	0	0	2	MASCOT	T	PLEX8
7.67E-05	0|0	Cs6g10385.1/Cs6g103	4.25	0	0	2	MASCOT	T	PLEX8
7.52E-03	0|0	Cs6g10385.1/Cs6g103	4.25	0	0	2	MASCOT	T	PLEX8
2.58E-05	0|0	Cs6g10385.1/Cs6g103	4.25	0	0	2	MASCOT	T	PLEX8
1.40E-05	0|0	Cs6g10385.1/Cs6g103	4.25	0	0	2	MASCOT	T	PLEX8
5.30E-02	0|0	Cs6g10385.1/Cs6g103	4.25	0	0	2	MASCOT	T	PLEX8
2.76E-03	0|0	Cs6g10385.1/Cs6g103	4.25	0	0	2	MASCOT	T	PLEX8
4.49E-05	0|0	Cs6g10385.1/Cs6g103	4.25	0	0	2	MASCOT	T	PLEX8
2.30E-01	0|0	Cs6g10385.1/Cs6g103	4.25	0	0	2	MASCOT	T	PLEX8
2.10E-04	0|0	Cs6g10385.1/Cs6g103	4.25	0	0	2	MASCOT	T	PLEX8
7.69E-06	0|0	Cs6g10385.1/Cs6g103	4.25	0	0	2	MASCOT	T	PLEX8
1.56E-02	0|0	Cs6g10385.1/Cs6g103	4.25	0	0	2	MASCOT	T	PLEX8
4.05E-02	0|0	Cs6g10385.1/Cs6g103	4.25	0	0	2	MASCOT	T	PLEX8
1.46E-04	0|0	Cs6g10385.1/Cs6g103	4.25	0	0	2	MASCOT	T	PLEX8
3.51E-04	0|0	Cs6g10385.1/Cs6g103	4.25	0	0	2	MASCOT	T	PLEX8
1.05E-01	0|0	Cs6g10385.1/Cs6g103	4.25	0	0	2	MASCOT	T	PLEX8
1.75E-03	0|0	Cs6g10385.1/Cs6g103	4.25	0	0	2	MASCOT	T	PLEX8
2.12E-06	0|0	Cs6g10385.1/Cs6g103	4.25	0	0	2	MASCOT	T	PLEX8
8.52E-06	0|0	Cs6g10385.1/Cs6g103	4.25	0	0	2	MASCOT	T	PLEX8
9.41E-07	0|0	Cs6g10385.1/Cs6g103	4.25	0	0	2	MASCOT	T	PLEX8
5.07E-03	0|0	Cs6g10385.1/Cs6g103	4.25	0	0	2	MASCOT	T	PLEX8
1.49E-01	0|0	Cs6g10385.1/Cs6g103	4.25	0	0	2	MASCOT	T	PLEX8
1.66E-04	0|0	Cs6g10385.1/Cs6g103	4.25	0	0	2	MASCOT	T	PLEX8
8.91E-07	0|0	Cs6g10385.1/Cs6g103	4.25	0	0	2	MASCOT	T	PLEX8
1.94E-03	0|0	Cs6g10385.1/Cs6g103	4.25	0	0	2	MASCOT	T	
9.72E-05	0|0	Cs6g10385.1/Cs6g103	3.93	0	0	2	MASCOT	T	PLEX8
9.39E-06	0|0	Cs6g10385.1/Cs6g103	3.93	0	0	2	MASCOT	T	PLEX8
2.99E-03	0|0	Cs6g10385.1/Cs6g103	3.93	0	0	2	MASCOT	T	
1.39E-02	0|0	Cs6g10385.1/Cs6g103	4.02	0	0	2	MASCOT	T	
4.57E-02	0|0	Cs6g10385.1/Cs6g103	9.47	0	0	2	MASCOT	T	PLEX8
1.40E-02	0|0	Cs6g10385.1/Cs6g103	9.47	0	0	2	MASCOT	T	PLEX8
6.36E-03	0|0	Cs6g10385.1/Cs6g103	9.47	0	0	2	MASCOT	T	PLEX8
1.07E-01	0|0	Cs6g10385.1/Cs6g103	5.72	0	0	2	MASCOT	T	PLEX8
4.25E-01	0|0	Cs6g10385.1/Cs6g103	5.72	0	0	2	MASCOT	T	PLEX8
9.69E-02	0|0	Cs6g10385.1/Cs6g103	5.72	0	0	2	MASCOT	T	PLEX8

1.03E-01	0|0	Cs6g10385.1/Cs6g103	5.72	0	0	2	MASCOT	T	PLEX8	
1.10E-01	0|0	Cs6g10385.1/Cs6g103	5.72	0	0	2	MASCOT	T	PLEX8	
4.31E-01	0|0	Cs6g10385.1/Cs6g103	5.72	0	0	2	MASCOT	T	PLEX8	
2.69E-01	0|0	Cs6g10385.1/Cs6g103	5.72	0	0	2	MASCOT	T	PLEX8	
7.38E-02	0|0	Cs6g10385.1/Cs6g103	8.75	0	0	2	MASCOT	T	PLEX8	
4.64E-02	0|0	Cs6g10385.1/Cs6g103	8.75	0	0	2	MASCOT	T	PLEX8	
1.38E-01	0|0	Cs6g10385.1/Cs6g103	8.75	0	0	2	MASCOT	T	PLEX8	
1.24E-01	0|0	Cs6g10385.1/Cs6g103	8.75	0	0	2	MASCOT	T	PLEX8	
1.16E-01	0|0	Cs6g10385.1/Cs6g103	5.59	0	15.9	0	2	MASCOT	T	PLEX8
1.30E-03	0|0	Cs6g10385.1/Cs6g103	5.59	0	15.9	0	2	MASCOT	T	PLEX8
2.10E-02	0|0	Cs6g10385.1/Cs6g103	5.59	0	15.9	0	2	MASCOT	T	PLEX8
4.89E-04	0|0	Cs6g10385.1/Cs6g103	5.59	0	15.9	0	2	MASCOT	T	PLEX8
1.36E-02	0|0	Cs6g10385.1/Cs6g103	5.59	0	15.9	0	2	MASCOT	T	PLEX8
2.18E-01	0|0	Cs6g10385.1/Cs6g103	5.59	0	15.9	0	2	MASCOT	T	PLEX8
2.27E-02	0|0	Cs6g10385.1/Cs6g103	5.59	0	15.9	0	2	MASCOT	T	PLEX8
2.71E-01	0|0	Cs6g10385.1/Cs6g103	5.59	0	15.9	0	2	MASCOT	T	PLEX8
5.35E-02	0|0	Cs6g10385.1/Cs6g103	5.59	0	0	2	MASCOT	T	PLEX8	
3.18E-02	0|0	Cs6g10385.1/Cs6g103	5.59	0	0	2	MASCOT	T	PLEX8	
1.74E-03	0|0	Cs6g10385.1/Cs6g103	5.59	0	0	2	MASCOT	T	PLEX8	
5.16E-03	0|0	Cs6g10385.1/Cs6g103	5.59	0	0	2	MASCOT	T	PLEX8	
1.91E-01	0|0	Cs6g10385.1/Cs6g103	5.59	0	0	2	MASCOT	T	PLEX8	
5.95E-04	0|0	Cs6g10385.1/Cs6g103	5.59	0	0	2	MASCOT	T	PLEX8	
3.37E-03	0|0	Cs6g10385.1/Cs6g103	5.59	0	0	2	MASCOT	T	PLEX8	
2.01E-01	0|0	Cs6g10385.1/Cs6g103	5.59	0	0	2	MASCOT	T	PLEX8	
2.16E-01	0|0	Cs6g10385.1/Cs6g103	5.59	0	0	2	MASCOT	T	PLEX8	
7.27E-02	0|0	Cs6g10385.1/Cs6g103	5.81	0	0	2	MASCOT	T	PLEX8	
8.56E-02	0|0	Cs6g10385.1/Cs6g103	5.81	0	0	2	MASCOT	T	PLEX8	
1.33E-01	0|0	Cs6g10385.1/Cs6g103	6	0	0	2	MASCOT	T	PLEX8	
2.86E-01	0|0	Cs6g10385.1/Cs6g103	6	0	0	2	MASCOT	T	PLEX8	
4.92E-03	0|0	Cs6g10385.1/Cs6g103	6	0	0	2	MASCOT	T	PLEX8	
7.34E-02	0|0	Cs6g05615.1	5.88	0	0	2	MASCOT	T	PLEX8	
1.77E-02	0|0	Cs6g05615.1	5.88	0	0	2	MASCOT	T	PLEX8	
6.72E-03	0|0	Cs6g05615.1	5.88	0	0	2	MASCOT	T	PLEX8	
8.39E-04	0|0	Cs6g05615.1	5.88	0	0	2	MASCOT	T	PLEX8	
4.89E-03	0|0	Cs6g05615.1	5.88	0	0	2	MASCOT	T	PLEX8	
2.49E-03	0|0	Cs6g05615.1	5.88	0	0	2	MASCOT	T	PLEX8	
1.01E-02	0|0	Cs6g05615.1	6.92	0	0	2	MASCOT	T	PLEX8	
3.27E-02	0|0	Cs6g05615.1	6.92	0	0	2	MASCOT	T	PLEX8	
1.01E-01	0|0	Cs6g05615.1	6.92	0	0	2	MASCOT	T	PLEX8	
9.56E-02	0|0	Cs6g05615.1	6.92	0	0	2	MASCOT	T	PLEX8	
1.39E-02	0|0	Cs6g05615.1	6	0	0	2	MASCOT	T	PLEX8	
2.30E-03	0|0	Cs6g05615.1	6	0	0	2	MASCOT	T	PLEX8	
8.57E-03	0|0	Cs6g05615.1	6	0	0	2	MASCOT	T	PLEX8	
1.68E-02	0|0	Cs6g05615.1	6	0	0	2	MASCOT	T	PLEX8	
1.43E-02	0|0	Cs6g05615.1	6	0	0	2	MASCOT	T	PLEX8	
4.45E-04	0|0	Cs6g05615.1	6	0	0	2	MASCOT	T	PLEX8	
1.82E-02	0|0	Cs6g05615.1	6	0	0	2	MASCOT	T	PLEX8	
1.34E-03	0|0	Cs6g05615.1	6	0	0	2	MASCOT	T	PLEX8	
2.12E-01	0|0	Cs6g05615.1	6	0	0	2	MASCOT	T	PLEX8	
1.72E-02	0|0	Cs6g05615.1	6	0	0	2	MASCOT	T	PLEX8	
5.96E-03	0|0	Cs6g05615.1	6	0	0	2	MASCOT	T	PLEX8	

3.20E-02 0|0	Cs6g05615.1	6	0	0	2 MASCOT	T	PLEX8
1.36E-02 0|0	Cs6g05615.1	6	0	0	2 MASCOT	T	PLEX8
1.98E-03 0|0	Cs6g05615.1	6	0	0	2 MASCOT	T	PLEX8
4.34E-03 0|0	Cs6g05615.1	6	0	0	2 MASCOT	T	PLEX8
4.41E-04 0|0	Cs6g05615.1	6	0	0	2 MASCOT	T	PLEX8
1.67E-02 0|0	Cs6g05615.1	4.03	0	0	2 MASCOT	T	PLEX8
3.35E-03 0|0	Cs6g05615.1	4.03	0	0	2 MASCOT	T	PLEX8
3.50E-01 0|0	Cs6g05615.1	4.03	0	0	2 MASCOT	T	PLEX8
9.08E-02 0|0	Cs6g05615.1	4.03	0	0	2 MASCOT	T	PLEX8
6.52E-03 0|0	Cs6g05615.1	4.03	0	0	2 MASCOT	T	PLEX8
1.65E-01 0|0	Cs6g05615.1	4.37	0	0	2 MASCOT	T	PLEX8
3.18E-03 0|0	Cs6g05615.1	4.37	0	0	2 MASCOT	T	PLEX8
4.53E-02 0|0	Cs6g05615.1	5.21	0	0	2 MASCOT	T	PLEX8
1.20E-03 0|0	Cs6g05615.1	5.21	0	0	2 MASCOT	T	PLEX8
1.15E-04 0|0	Cs6g05615.1	5.21	0	0	2 MASCOT	T	PLEX8
5.03E-03 0|0	Cs6g05615.1	5.21	0	0	2 MASCOT	T	PLEX8
2.54E-04 0|0	Cs6g05615.1	5.21	0	0	2 MASCOT	T	PLEX8
4.31E-06 0|0	Cs6g05615.1	5.21	0	0	2 MASCOT	T	PLEX8
4.30E-02 0|0	Cs6g05615.1	5.21	0	0	2 MASCOT	T	PLEX8
1.55E-01 0|0	Cs6g05615.1	5.21	0	0	2 MASCOT	T	PLEX8
7.80E-06 0|0	Cs6g05615.1	5.21	0	0	2 MASCOT	T	PLEX8
1.94E-04 0|0	Cs6g05615.1	5.21	0	0	2 MASCOT	T	PLEX8
2.30E-02 0|0	Cs6g05615.1	5.21	0	0	2 MASCOT	T	PLEX8
3.25E-03 0|0	Cs6g05615.1	5.21	0	0	2 MASCOT	T	
1.52E-02 0|0	Cs6g05615.1	6.85	0	0	2 MASCOT	T	PLEX8
9.32E-02 0|0	Cs6g05615.1	6.85	0	0	2 MASCOT	T	PLEX8
1.03E-01 0|0	Cs6g05615.1	6.85	0	0	2 MASCOT	T	PLEX8
3.45E-02 0|0	Cs6g05615.1	6.85	0	0	2 MASCOT	T	PLEX8
8.34E-03 0|0	Cs6g05615.1	6.85	0	0	2 MASCOT	T	PLEX8
1.04E-02 0|0	Cs6g05615.1	4.53	0	0	2 MASCOT	T	PLEX8
2.32E-03 0|0	Cs6g05615.1	4.53	0	0	2 MASCOT	T	PLEX8
2.14E-02 0|0	Cs6g05615.1	4.53	0	0	2 MASCOT	T	
7.31E-03 0|0	Cs6g05615.1	4.53	0	0	2 MASCOT	T	
4.92E-03 0|0	Cs6g05615.1	4.53	0	0	2 MASCOT	T	PLEX8
4.41E-02 0|0	Cs6g05615.1	4.53	0	0	2 MASCOT	T	PLEX8
6.43E-04 0|0	Cs6g05615.1	4.53	0	0	2 MASCOT	T	PLEX8
1.84E-02 0|0	Cs4g10610.1	6.05	0	0	2 MASCOT	T	
4.55E-01 0|0	Cs4g10610.1	6.05	0	0	2 MASCOT	T	
5.12E-03 0|0	Cs4g10610.1/Cs4g106	8.63	0	0	2 MASCOT	T	PLEX8
9.03E-04 0|0	Cs4g10610.1/Cs4g106	8.63	0	0	2 MASCOT	T	PLEX8
9.07E-03 0|0	Cs4g10610.1/Cs4g106	8.63	0	0	2 MASCOT	T	PLEX8
5.28E-02 0|0	Cs4g10610.1/Cs4g106	8.63	0	0	2 MASCOT	T	PLEX8
1.18E-01 0|0	Cs4g10610.1/Cs4g106	8.63	0	0	2 MASCOT	T	
3.80E-01 0|0	Cs4g10610.1/Cs4g106	8.63	0	0	2 MASCOT	T	PLEX8
4.14E-02 0|0	Cs4g10610.1/Cs4g106	8.63	0	0	2 MASCOT	T	PLEX8
7.08E-02 0|0	Cs4g10610.1/Cs4g106	8.63	0	0	2 MASCOT	T	
1.58E-02 0|0	Cs4g10610.1/Cs4g106	8.63	0	0	2 MASCOT	T	PLEX8
1.51E-03 0|0	Cs4g10610.1/Cs4g106	8.63	0	0	2 MASCOT	T	PLEX8
3.17E-02 0|0	Cs4g10610.1/Cs4g106	8.63	0	0	2 MASCOT	T	PLEX8
4.72E-02 0|0	Cs4g10610.1/Cs4g106	8.63	0	0	2 MASCOT	T	PLEX8
1.38E-03 0|0	Cs4g10610.1/Cs4g106	8.63	0	0	2 MASCOT	T	PLEX8

3.78E-05	0|0	Cs4g10610.1/Cs4g106	8.63	0	0	2	MASCOT	T	PLEX8
1.76E-03	0|0	Cs4g10610.1/Cs4g106	8.63	0	0	2	MASCOT	T	PLEX8
6.00E-02	0|0	Cs4g10610.1/Cs4g106	5.88	0	0	2	MASCOT	T	PLEX8
8.01E-02	0|0	Cs4g10610.1/Cs4g106	5.88	0	0	2	MASCOT	T	PLEX8
1.62E-04	0|0	Cs4g10610.1/Cs4g106	5.88	0	0	2	MASCOT	T	PLEX8
2.26E-03	0|0	Cs4g10610.1/Cs4g106	5.88	0	0	2	MASCOT	T	PLEX8
3.99E-01	0|0	Cs4g10610.1/Cs4g106	5.88	0	0	2	MASCOT	T	PLEX8
3.46E-03	0|0	Cs4g10610.1/Cs4g106	5.88	0	0	2	MASCOT	T	PLEX8
2.16E-02	0|0	Cs4g10610.1/Cs4g106	5.88	0	0	2	MASCOT	T	PLEX8
1.92E-01	0|0	Cs4g10610.1/Cs4g106	5.88	0	0	2	MASCOT	T	PLEX8
1.37E-01	0|0	Cs4g10610.1/Cs4g106	5.88	0	0	2	MASCOT	T	PLEX8
1.09E-01	0|0	Cs4g10610.1/Cs4g106	6.1	0	0	2	MASCOT	T	PLEX8
1.25E-01	0|0	Cs4g10610.1/Cs4g106	3.92	0	0	2	MASCOT	T	
2.26E-01	0|0	Cs4g10610.1/Cs4g106	3.92	0	0	2	MASCOT	T	
3.82E-01	0|0	Cs4g10610.1/Cs4g106	6	0	0	2	MASCOT	T	PLEX8
4.29E-04	0|0	Cs4g10610.1/Cs4g106	5.5	0	0	2	MASCOT	T	PLEX8
9.91E-04	0|0	Cs4g10610.1/Cs4g106	5.5	0	0	2	MASCOT	T	PLEX8
5.51E-03	0|0	Cs4g10610.1/Cs4g106	5.5	0	0	2	MASCOT	T	PLEX8
4.96E-03	0|0	Cs4g10610.1/Cs4g106	5.5	0	0	2	MASCOT	T	PLEX8
4.14E-03	0|0	Cs4g10610.1/Cs4g106	5.5	0	0	2	MASCOT	T	
6.39E-03	0|0	Cs4g10610.1/Cs4g106	5.5	0	0	2	MASCOT	T	PLEX8
1.57E-01	0|0	Cs4g10610.1/Cs4g106	5.5	0	0	2	MASCOT	T	
2.25E-03	0|0	Cs4g10610.1/Cs4g106	5.5	0	0	2	MASCOT	T	PLEX8
1.60E-01	0|0	Cs4g10610.1/Cs4g106	5.5	0	0	2	MASCOT	T	PLEX8
1.73E-02	0|0	Cs4g10610.1/Cs4g106	5.5	0	0	2	MASCOT	T	PLEX8
1.07E-02	0|0	Cs4g10610.1/Cs4g106	5.5	0	0	2	MASCOT	T	PLEX8
6.22E-03	0|0	Cs4g10610.1/Cs4g106	5.5	0	0	2	MASCOT	T	
8.12E-02	0|0	Cs4g10610.1/Cs4g106	5.5	0	0	2	MASCOT	T	
3.49E-02	0|0	Cs4g10610.1/Cs4g106	5.66	0	0	2	MASCOT	T	PLEX8
2.37E-01	0|0	Cs4g10610.1/Cs4g106	5.66	0	0	2	MASCOT	T	PLEX8
5.30E-01	0|0	Cs4g10610.1/Cs4g106	5.66	0	0	2	MASCOT	T	PLEX8
4.51E-02	0|0	Cs4g10610.1/Cs4g106	5.66	0	0	2	MASCOT	T	PLEX8
1.16E-01	0|0	Cs4g10610.1/Cs4g106	5.88	0	0	2	MASCOT	T	PLEX8
5.54E-02	0|0	Cs4g10610.1/Cs4g106	5.88	0	0	2	MASCOT	T	PLEX8
1.48E-05	0|0	Cs4g10610.1/Cs4g106	5.88	0	0	2	MASCOT	T	PLEX8
1.83E-02	0|0	Cs4g10610.1/Cs4g106	5.88	0	0	2	MASCOT	T	PLEX8
9.41E-04	0|0	Cs4g10610.1/Cs4g106	5.88	0	0	2	MASCOT	T	PLEX8
7.72E-03	0|0	Cs4g10610.1/Cs4g106	5.88	0	0	2	MASCOT	T	PLEX8
9.08E-05	0|0	Cs4g10610.1/Cs4g106	5.88	0	0	2	MASCOT	T	PLEX8
7.58E-03	0|0	Cs4g10610.1/Cs4g106	5.88	0	0	2	MASCOT	T	PLEX8
1.41E-02	0|0	Cs5g06190.1	6.85	0	0	2	MASCOT	T	PLEX8
4.04E-02	0|0	Cs5g06190.1	6.85	0	0	2	MASCOT	T	PLEX8
1.53E-02	0|0	Cs5g06190.1	6.85	0	0	2	MASCOT	T	PLEX8
1.73E-01	0|0	Cs5g06190.1	6.85	0	0	2	MASCOT	T	PLEX8
1.55E-01	0|0	Cs5g06190.1	6.85	0	0	2	MASCOT	T	PLEX8
1.34E-02	0|0	Cs5g06190.1	6.85	0	0	2	MASCOT	T	PLEX8
6.79E-03	0|0	Cs5g06190.1	4.18	1	0	2	MASCOT	T	PLEX8
3.23E-02	0|0	Cs5g06190.1	4.18	1	0	2	MASCOT	T	
7.70E-03	0|0	Cs5g06190.1	4.18	1	0	2	MASCOT	T	PLEX8
4.92E-02	0|0	Cs5g06190.1	4.18	1	0	2	MASCOT	T	PLEX8
6.15E-02	0|0	Cs5g06190.1	4.18	1	0	2	MASCOT	T	PLEX8

4.26E-03	0|0	Cs5g06190.1	4.18	1	0	2	MASCOT	T	PLEX8	
2.87E-02	0|0	Cs5g06190.1	8.75	0	15.9	0	2	MASCOT	T	PLEX8
2.79E-01	0|0	Cs5g06190.1	8.75	0	0	0	2	MASCOT	T	PLEX8
2.87E-02	0|0	Cs5g06190.1	8.75	0	0	0	2	MASCOT	T	PLEX8
9.73E-03	0|0	Cs5g06190.1	4.37	0	0	0	2	MASCOT	T	PLEX8
6.51E-02	0|0	Cs5g06190.1	4.37	0	0	0	2	MASCOT	T	PLEX8
3.04E-01	0|0	Cs5g06190.1	4.37	0	0	0	2	MASCOT	T	PLEX8
8.75E-06	0|0	Cs5g06190.1	4.37	0	0	0	2	MASCOT	T	PLEX8
4.00E-03	0|0	Cs5g06190.1	4.37	0	0	0	2	MASCOT	T	PLEX8
1.43E-05	0|0	Cs5g06190.1	4.37	0	0	0	2	MASCOT	T	PLEX8
7.74E-02	0|0	Cs5g06190.1	4.37	0	0	0	2	MASCOT	T	PLEX8
7.65E-02	0|0	Cs5g06190.1	4.37	0	0	0	2	MASCOT	T	PLEX8
2.72E-03	0|0	Cs5g06190.1	4.37	0	0	0	2	MASCOT	T	PLEX8
3.61E-02	0|0	Cs5g06190.1	4.37	0	0	0	2	MASCOT	T	PLEX8
2.11E-02	0|0	Cs5g06190.1	4.37	0	0	0	2	MASCOT	T	PLEX8
1.48E-02	0|0	Cs5g06190.1	4.37	0	0	0	2	MASCOT	T	PLEX8
3.50E-02	0|0	Cs5g06190.1	4.37	0	0	0	2	MASCOT	T	PLEX8
1.53E-02	0|0	Cs5g06190.1	4.37	0	0	0	2	MASCOT	T	PLEX8
6.95E-03	0|0	Cs5g06190.1	4.37	0	0	0	2	MASCOT	T	PLEX8
1.99E-03	0|0	Cs5g06190.1	4.25	0	0	0	2	MASCOT	T	PLEX8
3.12E-04	0|0	Cs5g06190.1	4.25	0	0	0	2	MASCOT	T	PLEX8
6.96E-03	0|0	Cs5g06190.1	4.25	0	0	0	2	MASCOT	T	PLEX8
9.25E-04	0|0	Cs5g06190.1/Cs5g317	6.25	0	0	0	2	MASCOT	T	PLEX8
1.42E-01	0|0	Cs5g06190.1/Cs5g317	6.25	0	0	0	2	MASCOT	T	PLEX8
2.77E-03	0|0	Cs5g06190.1/Cs5g317	6.25	0	0	0	2	MASCOT	T	PLEX8
1.36E-02	0|0	Cs5g06190.1/Cs5g317	6.25	0	0	0	2	MASCOT	T	PLEX8
6.76E-03	0|0	Cs5g06190.1/Cs5g317	6.25	0	0	0	2	MASCOT	T	
9.09E-03	0|0	Cs5g06190.1	6	0	15.9	0	2	MASCOT	T	PLEX8
8.01E-02	0|0	Cs5g06190.1	6	0	15.9	0	2	MASCOT	T	PLEX8
8.69E-03	0|0	Cs5g06190.1	6	0	15.9	0	2	MASCOT	T	PLEX8
1.50E-02	0|0	Cs5g06190.1	6	0	15.9	0	2	MASCOT	T	PLEX8
1.72E-04	0|0	Cs5g06190.1	6	0	15.9	0	2	MASCOT	T	PLEX8
7.76E-05	0|0	Cs5g06190.1	6	0	0	0	2	MASCOT	T	PLEX8
4.39E-05	0|0	Cs5g06190.1	6	0	0	0	2	MASCOT	T	PLEX8
6.96E-03	0|0	Cs5g06190.1	6	0	0	0	2	MASCOT	T	PLEX8
7.13E-04	0|0	Cs5g06190.1	6	0	0	0	2	MASCOT	T	PLEX8
9.04E-03	0|0	Cs5g06190.1	6	0	0	0	2	MASCOT	T	PLEX8
4.80E-04	0|0	Cs5g06190.1	6	0	0	0	2	MASCOT	T	PLEX8
1.39E-01	0|0	Cs5g06190.1	5.5	0	0	0	2	MASCOT	T	PLEX8
5.22E-02	0|0	Cs5g06190.1	5.5	0	0	0	2	MASCOT	T	PLEX8
1.03E-02	0|0	Cs7g23800.1	8.8	0	0	0	2	MASCOT	T	PLEX8
7.37E-02	0|0	Cs7g23800.1	8.8	0	0	0	2	MASCOT	T	PLEX8
6.68E-03	0|0	Cs7g23800.1	8.8	0	0	0	2	MASCOT	T	PLEX8
2.63E-02	0|0	Cs7g23800.1	3.98	0	15.9	0	2	MASCOT	T	
6.75E-03	0|0	Cs7g23800.1	3.98	0	0	0	2	MASCOT	T	
2.42E-03	0|0	Cs7g23800.1	3.98	0	0	0	2	MASCOT	T	
2.12E-02	0|0	Cs7g23800.1	5.4	0	15.9	0	2	MASCOT	T	PLEX8
1.50E-02	0|0	Cs7g23800.1	5.4	0	15.9	0	2	MASCOT	T	PLEX8
2.94E-02	0|0	Cs7g23800.1	5.4	0	15.9	0	2	MASCOT	T	PLEX8
1.34E-01	0|0	Cs7g23800.1	5.4	0	15.9	0	2	MASCOT	T	PLEX8
5.38E-02	0|0	Cs7g23800.1	5.4	0	15.9	0	2	MASCOT	T	PLEX8

1.92E-01	0|0	Cs7g23800.1	5.4	0	15.9	0	2	MASCOT	T	PLEX8
1.22E-02	0|0	Cs7g23800.1	5.4	0	15.9	0	2	MASCOT	T	
5.59E-04	0|0	Cs7g23800.1	5.4	0	15.9	0	2	MASCOT	T	
1.27E-05	0|0	Cs7g23800.1	5.4	0	0	0	2	MASCOT	T	PLEX8
1.10E-03	0|0	Cs7g23800.1	5.4	0	0	0	2	MASCOT	T	PLEX8
4.11E-01	0|0	Cs7g23800.1	5.4	0	0	0	2	MASCOT	T	
5.19E-03	0|0	Cs7g23800.1	5.4	0	0	0	2	MASCOT	T	
4.32E-02	0|0	Cs7g23800.1	8.75	0	15.9	0	2	MASCOT	T	PLEX8
2.16E-02	0|0	Cs7g23800.1	8.75	0	15.9	0	2	MASCOT	T	PLEX8
2.84E-02	0|0	Cs7g23800.1	8.75	0	15.9	0	2	MASCOT	T	PLEX8
1.75E-02	0|0	Cs7g23800.1	8.75	0	15.9	0	2	MASCOT	T	PLEX8
5.79E-02	0|0	Cs7g23800.1	8.75	0	15.9	0	2	MASCOT	T	
1.91E-01	0|0	Cs7g23800.1	8.75	0	0	0	2	MASCOT	T	PLEX8
1.51E-04	0|0	Cs7g23800.1	8.75	0	0	0	2	MASCOT	T	PLEX8
3.26E-04	0|0	Cs7g23800.1	8.75	0	0	0	2	MASCOT	T	PLEX8
1.50E-01	0|0	Cs7g23800.1	8.75	0	0	0	2	MASCOT	T	PLEX8
4.45E-02	0|0	Cs7g23800.1	8.75	0	0	0	2	MASCOT	T	
3.68E-04	0|0	Cs7g23800.1	8.75	0	0	0	2	MASCOT	T	
3.21E-06	0|0	Cs7g23800.1	5.72	0	0	0	2	MASCOT	T	
1.93E-02	0|0	Cs7g23800.1	4.03	0	0	0	2	MASCOT	T	PLEX8
1.66E-02	0|0	Cs7g23800.1	4.03	0	0	0	2	MASCOT	T	PLEX8
6.31E-02	0|0	Cs7g23800.1	4.14	0	0	0	2	MASCOT	T	PLEX8
6.38E-03	0|0	Cs7g23800.1	4.14	0	0	0	2	MASCOT	T	PLEX8
1.27E-04	0|0	Cs7g23800.1	4.14	0	0	0	2	MASCOT	T	PLEX8
8.74E-04	0|0	Cs7g23800.1	4.14	0	0	0	2	MASCOT	T	PLEX8
5.58E-04	0|0	Cs7g23800.1	4.14	0	0	0	2	MASCOT	T	PLEX8
1.45E-02	0|0	Cs7g23800.1	4.14	0	0	0	2	MASCOT	T	PLEX8
1.93E-03	0|0	Cs7g23800.1	4.14	0	0	0	2	MASCOT	T	PLEX8
4.35E-02	0|0	Cs7g23800.1	4.65	0	0	0	2	MASCOT	T	PLEX8
6.94E-02	0|0	Cs7g23800.1	4.65	0	0	0	2	MASCOT	T	PLEX8
4.23E-01	0|0	Cs7g23800.1	4.65	0	0	0	2	MASCOT	T	
1.82E-04	0|0	Cs7g23800.1	4.65	0	0	0	2	MASCOT	T	
1.28E-03	0|0	Cs7g23800.1	4.53	0	0	0	2	MASCOT	T	PLEX8
1.91E-04	0|0	Cs7g23800.1	4.53	0	0	0	2	MASCOT	T	PLEX8
1.04E-02	0|0	Cs7g23800.1	4.53	0	0	0	2	MASCOT	T	PLEX8
5.58E-04	0|0	Cs7g23800.1	4.53	0	0	0	2	MASCOT	T	PLEX8
4.14E-02	0|0	orange1.1t01793.1/ora	4.37	0	0	0	2	MASCOT	T	PLEX8
4.20E-02	0|0	orange1.1t01793.1/ora	4.37	0	0	0	2	MASCOT	T	PLEX8
4.73E-02	0|0	orange1.1t01793.1/ora	4.37	0	0	0	2	MASCOT	T	PLEX8
4.08E-01	0|0	orange1.1t01793.1/ora	4.37	0	0	0	2	MASCOT	T	PLEX8
4.35E-02	0|0	orange1.1t01793.1/ora	4.37	0	0	0	2	MASCOT	T	PLEX8
7.80E-02	0|0	orange1.1t01793.1/ora	4.37	0	0	0	2	MASCOT	T	PLEX8
5.14E-02	0|0	orange1.1t01793.1/ora	8.26	0	0	0	2	MASCOT	T	PLEX8
5.45E-03	0|0	orange1.1t01793.1/ora	8.23	0	15.9	0	2	MASCOT	T	PLEX8
3.25E-01	0|0	orange1.1t01793.1/ora	8.23	0	15.9	0	2	MASCOT	T	PLEX8
5.78E-02	0|0	orange1.1t01793.1/ora	8.23	0	0	0	2	MASCOT	T	PLEX8
1.40E-02	0|0	Cs1g16250.1/Cs1g162	5.66	0	0	0	2	MASCOT	T	PLEX8
2.39E-02	0|0	Cs1g16250.1/Cs1g162	5.66	0	0	0	2	MASCOT	T	PLEX8
6.80E-02	0|0	orange1.1t01793.1/ora	5.5	0	0	0	2	MASCOT	T	PLEX8
2.86E-01	0|0	orange1.1t01793.1/ora	5.93	0	0	0	2	MASCOT	T	PLEX8
1.99E-01	0|0	orange1.1t01793.1/ora	5.93	0	0	0	2	MASCOT	T	PLEX8

7.18E-03	0|0	orange1.1t01793.1/ora	5.93	0	0	2	MASCOT	T	PLEX8	
3.13E-01	0|0	orange1.1t01793.1/ora	5.93	0	0	2	MASCOT	T		
1.57E-01	0|0	Cs5g30600.1/Cs5g306	6.04	0	0	2	MASCOT	T	PLEX8	
1.70E-01	0|0	Cs5g30600.1/Cs5g306	6.04	0	0	2	MASCOT	T	PLEX8	
1.53E-01	0|0	Cs5g30600.1/Cs5g306	6.04	0	0	2	MASCOT	T	PLEX8	
1.48E-01	0|0	Cs5g30600.1/Cs5g306	6.04	0	0	2	MASCOT	T	PLEX8	
8.13E-02	0|0	Cs5g30600.1/Cs5g306	6.04	0	0	2	MASCOT	T	PLEX8	
1.75E-01	0|0	Cs5g30600.1/Cs5g306	6.04	0	0	2	MASCOT	T	PLEX8	
2.97E-02	0|0	orange1.1t01793.1/ora	5.98	0	15.9	0	2	MASCOT	T	PLEX8
4.77E-04	0|0	orange1.1t01793.1/ora	5.98	0	15.9	0	2	MASCOT	T	PLEX8
6.56E-04	0|0	orange1.1t01793.1/ora	5.98	0	15.9	0	2	MASCOT	T	PLEX8
9.49E-03	0|0	orange1.1t01793.1/ora	5.98	0	15.9	0	2	MASCOT	T	PLEX8
2.74E-05	0|0	orange1.1t01793.1/ora	5.98	0	15.9	0	2	MASCOT	T	PLEX8
5.10E-02	0|0	orange1.1t01793.1/ora	5.98	0	15.9	0	2	MASCOT	T	
1.90E-01	0|0	orange1.1t01793.1/ora	5.98	0	15.9	0	2	MASCOT	T	PLEX8
3.32E-01	0|0	orange1.1t01793.1/ora	5.98	0	15.9	0	2	MASCOT	T	PLEX8
2.82E-03	0|0	orange1.1t01793.1/ora	5.98	0	15.9	0	2	MASCOT	T	PLEX8
4.52E-04	0|0	orange1.1t01793.1/ora	5.98	0	15.9	0	2	MASCOT	T	PLEX8
1.07E-02	0|0	orange1.1t01793.1/ora	5.98	0	0	2	MASCOT	T	PLEX8	
6.05E-05	0|0	orange1.1t01793.1/ora	5.98	0	0	2	MASCOT	T	PLEX8	
1.84E-03	0|0	orange1.1t01793.1/ora	5.98	0	0	2	MASCOT	T	PLEX8	
1.37E-03	0|0	orange1.1t01793.1/ora	5.98	0	0	2	MASCOT	T	PLEX8	
8.21E-04	0|0	orange1.1t01793.1/ora	5.98	0	0	2	MASCOT	T	PLEX8	
2.42E-06	0|0	orange1.1t01793.1/ora	5.98	0	0	2	MASCOT	T	PLEX8	
2.55E-03	0|0	orange1.1t01793.1/ora	5.84	0	15.9	0	2	MASCOT	T	PLEX8
3.10E-02	0|0	orange1.1t01793.1/ora	5.84	0	0	2	MASCOT	T		
8.40E-04	0|0	Cs4g01860.1	6.05	0	15.9	0	2	MASCOT	T	PLEX8
3.96E-03	0|0	Cs4g01860.1	6.05	0	0	2	MASCOT	T	PLEX8	
2.38E-05	0|0	Cs4g01860.1	6.05	0	0	2	MASCOT	T	PLEX8	
6.76E-03	0|0	Cs4g01860.1	6.05	0	0	2	MASCOT	T		
4.99E-02	0|0	Cs4g01860.1	6.05	0	15.9	0	2	MASCOT	T	
9.71E-02	0|0	Cs4g01860.1	6.05	0	15.9	0	2	MASCOT	T	
1.80E-04	0|0	Cs4g01860.1	6.05	0	0	2	MASCOT	T		
4.95E-04	0|0	Cs4g01860.1	6.05	0	0	2	MASCOT	T		
1.06E-05	0|0	Cs4g01860.1	3.91	0	0	2	MASCOT	T	PLEX8	
1.61E-03	0|0	Cs4g01860.1	3.91	0	0	2	MASCOT	T		
2.29E-03	0|0	Cs4g01860.1	3.91	0	0	2	MASCOT	T		
8.94E-02	0|0	Cs4g01860.1	8.75	1	0	2	MASCOT	T	PLEX8	
8.07E-04	0|0	Cs4g01860.1	6	0	0	2	MASCOT	T	PLEX8	
3.44E-01	0|0	Cs4g01860.1	6	0	0	2	MASCOT	T	PLEX8	
6.38E-02	0|0	Cs4g01860.1	6	0	0	2	MASCOT	T	PLEX8	
8.21E-03	0|0	Cs4g01860.1	6	0	0	2	MASCOT	T		
2.03E-02	0|0	Cs4g01860.1	6	0	0	2	MASCOT	T	PLEX8	
1.27E-03	0|0	Cs4g01860.1	6	0	0	2	MASCOT	T	PLEX8	
1.16E-01	0|0	Cs4g01860.1	8.47	0	0	2	MASCOT	T	PLEX8	
2.23E-02	0|0	Cs4g01860.1	9.72	0	0	2	MASCOT	T	PLEX8	
9.98E-04	0|0	Cs4g01860.1	9.72	0	0	2	MASCOT	T	PLEX8	
1.29E-01	0|0	Cs4g01860.1	9.72	0	0	2	MASCOT	T	PLEX8	
1.86E-01	0|0	Cs4g01860.1	9.72	0	0	2	MASCOT	T	PLEX8	
1.05E-02	0|0	Cs4g01860.1	9.72	0	0	2	MASCOT	T	PLEX8	
2.22E-01	0|0	Cs4g01860.1	9.72	0	0	2	MASCOT	T	PLEX8	

1.93E-04	0|0	Cs4g01860.1	4.37	0	15.9	0	2	MASCOT	T
4.12E-03	0|0	Cs4g01860.1	4.37	0	15.9	0	2	MASCOT	T
3.13E-02	0|0	Cs4g01860.1	4.37	0	15.9	0	2	MASCOT	T
1.27E-02	0|0	Cs4g01860.1	4.37	0	15.9	0	2	MASCOT	T
4.23E-06	0|0	Cs4g01860.1	4.37	0	15.9	0	2	MASCOT	T
9.23E-04	0|0	Cs4g01860.1	4.37	0		0	2	MASCOT	T
3.58E-02	0|0	Cs4g01860.1	4.09	0	15.9	0	2	MASCOT	T PLEX8
6.47E-04	0|0	Cs4g01860.1	4.09	0		0	2	MASCOT	T PLEX8
6.40E-02	0|0	Cs4g01860.1	4.09	0		0	2	MASCOT	T PLEX8
1.43E-09	0|0	Cs4g01860.1	4.09	0		0	2	MASCOT	T PLEX8
6.17E-04	0|0	Cs4g01860.1	4.09	0		0	2	MASCOT	T PLEX8
2.59E-02	0|0	Cs7g29220.1/Cs7g292	4.65	0		0	2	MASCOT	T PLEX8
3.55E-04	0|0	Cs1g05000.1/Cs1g050	4.21	0		0	2	MASCOT	T PLEX8
7.36E-03	0|0	Cs1g05000.1/Cs1g050	4.03	0		0	2	MASCOT	T PLEX8
4.95E-04	0|0	Cs1g05000.1/Cs1g050	4.03	0		0	2	MASCOT	T PLEX8
4.62E-04	0|0	Cs1g05000.1/Cs1g050	4.03	0		0	2	MASCOT	T PLEX8
3.31E-04	0|0	Cs1g05000.1/Cs1g050	4.03	0		0	2	MASCOT	T PLEX8
1.10E-03	0|0	Cs1g05000.1/Cs1g050	4.03	0		0	2	MASCOT	T PLEX8
8.23E-03	0|0	Cs1g05000.1/Cs1g050	4.03	0		0	2	MASCOT	T PLEX8
1.38E-01	0|0	Cs1g05000.1/Cs1g050	6.1	0	15.9	0	2	MASCOT	T PLEX8
1.03E-01	0|0	Cs1g05000.1/Cs1g050	6.1	0	15.9	0	2	MASCOT	T PLEX8
1.06E-01	0|0	Cs1g05000.1/Cs1g050	6.1	0		0	2	MASCOT	T PLEX8
1.29E-03	0|0	Cs1g05000.1/Cs1g050	6.1	0		0	2	MASCOT	T PLEX8
1.02E-02	0|0	Cs1g05000.1/Cs1g050	6.1	0		0	2	MASCOT	T PLEX8
2.50E-02	0|0	Cs1g05000.1/Cs1g050	6.1	0		0	2	MASCOT	T PLEX8
3.24E-02	0|0	Cs1g05000.1/Cs1g050	6.1	0		0	2	MASCOT	T PLEX8
4.53E-02	0|0	Cs1g05000.1/Cs1g050	6.1	0		0	2	MASCOT	T PLEX8
4.02E-01	0|0	Cs1g05000.1/Cs1g050	6.1	0		0	2	MASCOT	T PLEX8
1.58E-01	0|0	Cs1g05000.1/Cs1g050	4.31	0	15.9	0	2	MASCOT	T PLEX8
1.94E-03	0|0	Cs1g05000.1/Cs1g050	4.31	0		0	2	MASCOT	T PLEX8
1.75E-01	0|0	Cs1g05000.1/Cs1g050	4.21	0		0	2	MASCOT	T PLEX8
2.35E-03	0|0	Cs1g05000.1/Cs1g050	4.21	0		0	2	MASCOT	T PLEX8
2.27E-03	0|0	Cs1g05000.1/Cs1g050	4.21	0		0	2	MASCOT	T PLEX8
3.09E-01	0|0	Cs1g05000.1/Cs1g050	4.21	0		0	2	MASCOT	T PLEX8
2.41E-01	0|0	Cs1g05000.1/Cs1g050	8.75	0		0	2	MASCOT	T PLEX8
9.20E-03	0|0	Cs1g05000.1/Cs1g050	8.76	0	15.9	0	2	MASCOT	T PLEX8
1.31E-01	0|0	Cs1g05000.1/Cs1g050	8.76	0	15.9	0	2	MASCOT	T PLEX8
3.24E-02	0|0	Cs1g05000.1/Cs1g050	8.76	0	15.9	0	2	MASCOT	T PLEX8
5.05E-02	0|0	Cs1g05000.1/Cs1g050	8.76	0	15.9	0	2	MASCOT	T PLEX8
2.33E-02	0|0	Cs1g05000.1/Cs1g050	8.76	0		0	2	MASCOT	T PLEX8
2.56E-03	0|0	Cs1g05000.1/Cs1g050	8.76	0		0	2	MASCOT	T PLEX8
3.55E-04	0|0	Cs1g05000.1/Cs1g050	8.76	0		0	2	MASCOT	T PLEX8
4.98E-02	0|0	Cs1g05000.1/Cs1g050	4.75	0		0	2	MASCOT	T PLEX8
1.47E-01	0|0	Cs1g05000.1/Cs1g050	4.75	0		0	2	MASCOT	T PLEX8
3.15E-01	0|0	Cs1g05000.1/Cs1g050	4.75	0		0	2	MASCOT	T PLEX8
4.30E-01	0|0	Cs1g05000.1/Cs1g050	4.75	0		0	2	MASCOT	T
3.81E-04	0|0	Cs1g05000.1/Cs1g050	4.75	0		0	2	MASCOT	T
3.55E-04	0|0	Cs1g05000.1/Cs1g050	4.21	0		0	2	MASCOT	T PLEX8
7.36E-03	0|0	Cs1g05000.1/Cs1g050	4.03	0		0	2	MASCOT	T PLEX8
4.95E-04	0|0	Cs1g05000.1/Cs1g050	4.03	0		0	2	MASCOT	T PLEX8
4.62E-04	0|0	Cs1g05000.1/Cs1g050	4.03	0		0	2	MASCOT	T PLEX8

3.31E-04	0|0	Cs1g05000.1/Cs1g050	4.03	0	0	2	MASCOT	T	PLEX8	
1.10E-03	0|0	Cs1g05000.1/Cs1g050	4.03	0	0	2	MASCOT	T	PLEX8	
8.23E-03	0|0	Cs1g05000.1/Cs1g050	4.03	0	0	2	MASCOT	T	PLEX8	
1.38E-01	0|0	Cs1g05000.1/Cs1g050	6.1	0	15.9	0	2	MASCOT	T	PLEX8
1.03E-01	0|0	Cs1g05000.1/Cs1g050	6.1	0	15.9	0	2	MASCOT	T	PLEX8
1.06E-01	0|0	Cs1g05000.1/Cs1g050	6.1	0	0	2	MASCOT	T	PLEX8	
1.29E-03	0|0	Cs1g05000.1/Cs1g050	6.1	0	0	2	MASCOT	T	PLEX8	
1.02E-02	0|0	Cs1g05000.1/Cs1g050	6.1	0	0	2	MASCOT	T	PLEX8	
2.50E-02	0|0	Cs1g05000.1/Cs1g050	6.1	0	0	2	MASCOT	T	PLEX8	
3.24E-02	0|0	Cs1g05000.1/Cs1g050	6.1	0	0	2	MASCOT	T	PLEX8	
4.53E-02	0|0	Cs1g05000.1/Cs1g050	6.1	0	0	2	MASCOT	T	PLEX8	
4.02E-01	0|0	Cs1g05000.1/Cs1g050	6.1	0	0	2	MASCOT	T	PLEX8	
3.87E-01	0|0	orange1.1t02699.1/ora	5.72	0	0	2	MASCOT	T	PLEX8	
1.58E-01	0|0	Cs1g05000.1/Cs1g050	4.31	0	15.9	0	2	MASCOT	T	PLEX8
1.94E-03	0|0	Cs1g05000.1/Cs1g050	4.31	0	0	2	MASCOT	T	PLEX8	
1.75E-01	0|0	Cs1g05000.1/Cs1g050	4.21	0	0	2	MASCOT	T	PLEX8	
2.35E-03	0|0	Cs1g05000.1/Cs1g050	4.21	0	0	2	MASCOT	T	PLEX8	
2.27E-03	0|0	Cs1g05000.1/Cs1g050	4.21	0	0	2	MASCOT	T	PLEX8	
3.09E-01	0|0	Cs1g05000.1/Cs1g050	4.21	0	0	2	MASCOT	T	PLEX8	
2.41E-01	0|0	Cs1g05000.1/Cs1g050	8.75	0	0	2	MASCOT	T	PLEX8	
9.20E-03	0|0	Cs1g05000.1/Cs1g050	8.76	0	15.9	0	2	MASCOT	T	PLEX8
1.31E-01	0|0	Cs1g05000.1/Cs1g050	8.76	0	15.9	0	2	MASCOT	T	PLEX8
3.24E-02	0|0	Cs1g05000.1/Cs1g050	8.76	0	15.9	0	2	MASCOT	T	PLEX8
5.05E-02	0|0	Cs1g05000.1/Cs1g050	8.76	0	15.9	0	2	MASCOT	T	PLEX8
2.33E-02	0|0	Cs1g05000.1/Cs1g050	8.76	0	0	2	MASCOT	T	PLEX8	
2.56E-03	0|0	Cs1g05000.1/Cs1g050	8.76	0	0	2	MASCOT	T	PLEX8	
3.55E-04	0|0	Cs1g05000.1/Cs1g050	8.76	0	0	2	MASCOT	T	PLEX8	
4.98E-02	0|0	Cs1g05000.1/Cs1g050	4.75	0	0	2	MASCOT	T	PLEX8	
1.47E-01	0|0	Cs1g05000.1/Cs1g050	4.75	0	0	2	MASCOT	T	PLEX8	
3.15E-01	0|0	Cs1g05000.1/Cs1g050	4.75	0	0	2	MASCOT	T	PLEX8	
4.30E-01	0|0	Cs1g05000.1/Cs1g050	4.75	0	0	2	MASCOT	T		
3.81E-04	0|0	Cs1g05000.1/Cs1g050	4.75	0	0	2	MASCOT	T		
9.99E-02	0|0	Cs7g29010.1/Cs8g182	4.4	0	0	2	MASCOT	T	PLEX8	
1.12E-01	0|0	Cs6g05890.1/Cs7g289	4.53	0	0	2	MASCOT	T	PLEX8	
3.51E-03	0|0	Cs8g18250.1/Cs8g182	4.53	0	0	2	MASCOT	T	PLEX8	
4.85E-05	0|0	Cs8g18250.1/Cs8g182	4.53	0	0	2	MASCOT	T	PLEX8	
1.11E-03	0|0	Cs8g18250.1/Cs8g182	4.53	0	0	2	MASCOT	T	PLEX8	
2.00E-01	0|0	Cs8g18250.1	5.84	0	0	2	MASCOT	T	PLEX8	
7.32E-03	0|0	Cs6g05890.1/Cs7g289	6	0	0	2	MASCOT	T	PLEX8	
3.62E-03	0|0	Cs6g05890.1/Cs7g289	6	0	0	2	MASCOT	T	PLEX8	
1.07E-02	0|0	Cs6g05890.1/Cs7g289	6	0	0	2	MASCOT	T	PLEX8	
2.27E-03	0|0	Cs6g05890.1/Cs7g289	6	0	0	2	MASCOT	T	PLEX8	
6.36E-03	0|0	Cs6g05890.1/Cs7g289	6	0	0	2	MASCOT	T	PLEX8	
5.02E-02	0|0	Cs6g05890.1/Cs7g289	5.84	0	0	2	MASCOT	T	PLEX8	
2.46E-02	0|0	Cs6g05890.1/Cs7g289	5.84	0	0	2	MASCOT	T	PLEX8	
9.87E-03	0|0	Cs6g05890.1/Cs7g289	5.84	0	0	2	MASCOT	T		
1.01E-01	0|0	Cs6g05890.1/Cs7g289	5.84	0	0	2	MASCOT	T		
9.58E-04	0|0	Cs6g05890.1/Cs7g289	5.84	0	0	2	MASCOT	T	PLEX8	
5.56E-03	0|0	Cs6g05890.1/Cs7g289	5.84	0	0	2	MASCOT	T	PLEX8	
5.53E-03	0|0	Cs6g05890.1/Cs8g182	6.46	0	0	2	MASCOT	T	PLEX8	
3.06E-05	0|0	Cs6g05890.1/Cs8g182	6.46	0	0	2	MASCOT	T	PLEX8	

6.46E-03	0|0	Cs6g05890.1/Cs8g182	6.46	0	0	2	MASCOT	T	PLEX8
1.15E-01	0|0	Cs6g05890.1/Cs8g182	6.46	0	0	2	MASCOT	T	PLEX8
6.94E-02	0|0	Cs6g05890.1/Cs8g182	6.46	0	0	2	MASCOT	T	PLEX8
2.03E-01	0|0	Cs6g05890.1/Cs8g182	6.46	0	0	2	MASCOT	T	PLEX8
2.41E-03	0|0	Cs6g05890.1/Cs7g289	4.14	0	15.9	0	2	MASCOT	T
1.31E-03	0|0	Cs6g05890.1/Cs7g289	4.14	0	15.9	0	2	MASCOT	T
4.30E-05	0|0	Cs6g05890.1/Cs7g289	4.14	0	15.9	0	2	MASCOT	T
2.53E-03	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	PLEX8
9.99E-05	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	PLEX8
2.21E-02	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	PLEX8
9.07E-04	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	PLEX8
3.84E-04	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	
2.48E-06	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	
6.64E-05	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	
2.69E-04	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	
5.09E-01	0|0	Cs3g14220.1/Cs3g142	4.37	0	0	2	MASCOT	T	
1.37E-01	0|0	Cs1g21190.1/Cs1g211	8.8	0	0	2	MASCOT	T	PLEX8
5.32E-02	0|0	Cs1g21190.1	5.33	0	0	2	MASCOT	T	PLEX8
4.82E-03	0|0	Cs1g21190.1	5.33	0	0	2	MASCOT	T	PLEX8
3.44E-03	0|0	Cs1g21190.1	5.33	0	0	2	MASCOT	T	
3.01E-06	0|0	Cs1g21190.1	5.33	0	0	2	MASCOT	T	
1.04E-02	0|0	Cs1g21190.1	5.33	0	0	2	MASCOT	T	
6.12E-03	0|0	Cs1g21190.1	5.33	0	0	2	MASCOT	T	PLEX8
2.02E-03	0|0	Cs1g21190.1	5.33	0	0	2	MASCOT	T	
3.96E-03	0|0	Cs1g21190.1	5.33	0	0	2	MASCOT	T	
1.43E-06	0|0	Cs1g21190.1	5.33	0	0	2	MASCOT	T	PLEX8
1.43E-01	0|0	Cs1g21190.1	5.33	0	0	2	MASCOT	T	
2.37E-01	0|0	Cs1g21190.1	5.33	0	0	2	MASCOT	T	
2.01E-02	0|0	Cs1g21190.1/Cs1g211	8.75	0	0	2	MASCOT	T	PLEX8
2.96E-02	0|0	Cs1g21190.1/Cs1g211	8.75	0	0	2	MASCOT	T	PLEX8
2.69E-02	0|0	Cs1g21190.1/Cs1g211	8.75	0	0	2	MASCOT	T	PLEX8
1.41E-01	0|0	Cs1g21190.1/Cs1g211	9.75	0	0	2	MASCOT	T	PLEX8
8.31E-06	0|0	Cs1g21190.1/Cs1g211	5.21	0	0	2	MASCOT	T	PLEX8
9.96E-03	0|0	Cs1g21190.1/Cs1g211	5.21	0	0	2	MASCOT	T	PLEX8
2.72E-02	0|0	Cs1g21190.1/Cs1g211	5.21	0	0	2	MASCOT	T	PLEX8
1.41E-02	0|0	Cs1g21190.1/Cs1g211	5.21	0	0	2	MASCOT	T	PLEX8
2.88E-03	0|0	Cs1g21190.1/Cs1g211	5.21	0	0	2	MASCOT	T	
9.86E-02	0|0	Cs1g21190.1/Cs1g211	5.21	0	0	2	MASCOT	T	
2.62E-01	0|0	Cs1g21190.1/Cs1g211	4.68	0	0	2	MASCOT	T	
2.66E-02	0|0	Cs1g21190.1/Cs1g211	8.26	0	0	2	MASCOT	T	PLEX8
1.59E-01	0|0	Cs1g21190.1/Cs1g211	8.26	0	0	2	MASCOT	T	PLEX8
4.55E-02	0|0	Cs1g21190.1/Cs1g211	8.26	0	0	2	MASCOT	T	PLEX8
8.30E-04	0|0	Cs1g21190.1/Cs1g211	8.26	0	0	2	MASCOT	T	PLEX8
1.93E-01	0|0	Cs1g21190.1/Cs1g211	8.26	0	0	2	MASCOT	T	PLEX8
9.18E-03	0|0	Cs1g21190.1/Cs1g211	8.26	0	0	2	MASCOT	T	PLEX8
1.50E-02	0|0	Cs1g21190.1/Cs1g211	8.8	0	0	2	MASCOT	T	PLEX8
1.31E-02	0|0	Cs1g21190.1/Cs1g211	8.8	0	0	2	MASCOT	T	PLEX8
1.85E-01	0|0	Cs1g21190.1/Cs1g211	8.8	0	0	2	MASCOT	T	PLEX8
1.22E-02	0|0	Cs1g21190.1/Cs1g211	8.8	0	0	2	MASCOT	T	PLEX8
1.10E-03	0|0	Cs1g21190.1/Cs1g211	4.53	0	0	2	MASCOT	T	PLEX8
1.35E-03	0|0	Cs3g22480.1	5.4	0	0	2	MASCOT	T	PLEX8

1.20E-01 0|0	Cs3g22480.1	5.88	0	0	2	MASCOT	T	PLEX8	
1.52E-02 0|0	Cs3g22480.1	8.3	0	0	2	MASCOT	T	PLEX8	
3.28E-01 0|0	Cs3g22480.1	8.3	0	0	2	MASCOT	T	PLEX8	
2.07E-04 0|0	Cs3g22480.1	8.3	0	0	2	MASCOT	T	PLEX8	
1.68E-04 0|0	Cs3g22480.1	8.3	0	0	2	MASCOT	T		
3.86E-01 0|0	Cs3g22480.1/Cs7g131	8.75	0	15.9	0	2	MASCOT	T	PLEX8
1.46E-01 0|0	Cs3g22480.1/Cs7g131	8.75	0	15.9	0	2	MASCOT	T	PLEX8
3.85E-02 0|0	Cs3g22480.1/Cs7g131	8.75	0	15.9	0	2	MASCOT	T	
2.91E-01 0|0	Cs3g22480.1/Cs7g131	8.75	0	15.9	0	2	MASCOT	T	PLEX8
1.09E-01 0|0	Cs3g22480.1/Cs7g131	8.75	0	0	2	MASCOT	T	PLEX8	
7.91E-05 0|0	Cs3g22480.1/Cs7g131	8.75	0	0	2	MASCOT	T	PLEX8	
2.05E-01 0|0	Cs3g22480.1/Cs7g131	8.75	0	0	2	MASCOT	T	PLEX8	
1.45E-04 0|0	Cs3g22480.1	5.4	0	0	2	MASCOT	T	PLEX8	
4.10E-01 0|0	Cs3g22480.1	5.4	0	0	2	MASCOT	T	PLEX8	
3.63E-03 0|0	Cs3g22480.1	5.4	0	0	2	MASCOT	T	PLEX8	
1.35E-01 0|0	Cs3g22480.1	5.4	0	0	2	MASCOT	T	PLEX8	
8.16E-02 0|0	Cs3g22480.1	5.4	0	0	2	MASCOT	T		
5.76E-02 0|0	Cs3g22480.1	5.4	0	0	2	MASCOT	T		
9.96E-06 0|0	Cs3g22480.1	5.4	0	0	2	MASCOT	T		
8.05E-04 0|0	Cs3g22480.1	6.74	0	15.9	0	2	MASCOT	T	PLEX8
6.74E-03 0|0	Cs3g22480.1	6.74	0	15.9	0	2	MASCOT	T	PLEX8
2.51E-04 0|0	Cs3g22480.1	6.74	0	15.9	0	2	MASCOT	T	PLEX8
2.49E-02 0|0	Cs3g22480.1	6.74	0	15.9	0	2	MASCOT	T	PLEX8
3.89E-03 0|0	Cs3g22480.1	6.74	0	0	2	MASCOT	T	PLEX8	
9.46E-02 0|0	Cs3g22480.1	6.74	0	0	2	MASCOT	T	PLEX8	
1.80E-02 0|0	Cs3g22480.1/Cs7g131	4.53	0	15.9	0	2	MASCOT	T	
1.44E-03 0|0	Cs3g22480.1/Cs7g131	4.53	0	0	2	MASCOT	T		
1.31E-05 0|0	Cs3g22480.1/Cs7g131	4.53	0	0	2	MASCOT	T		
1.94E-03 0|0	Cs3g22480.1	6	0	0	2	MASCOT	T		
1.40E-01 0|0	Cs3g22480.1	6	0	0	2	MASCOT	T		
1.15E-01 0|0	Cs3g22480.1	6	0	0	2	MASCOT	T		
8.65E-02 0|0	Cs3g22480.1	8.72	0	0	2	MASCOT	T	PLEX8	
2.88E-02 0|0	Cs3g22480.1	8.72	0	0	2	MASCOT	T	PLEX8	
1.20E-01 0|0	Cs6g08840.1/Cs6g088	5.88	0	0	2	MASCOT	T	PLEX8	
1.83E-02 0|0	Cs6g08840.1/Cs6g088	5.88	0	0	2	MASCOT	T		
1.39E-02 0|0	Cs6g08840.1/Cs6g088	10	0	0	2	MASCOT	T	PLEX8	
3.74E-03 0|0	Cs6g08840.1	6.73	1	0	2	MASCOT	T	PLEX8	
4.68E-03 0|0	Cs6g08840.1/Cs6g088	6.47	0	0	2	MASCOT	T	PLEX8	
9.62E-06 0|0	Cs6g08840.1/Cs6g088	6.47	0	0	2	MASCOT	T	PLEX8	
3.72E-03 0|0	Cs6g08840.1/Cs6g088	6.47	0	0	2	MASCOT	T	PLEX8	
6.01E-05 0|0	Cs6g08840.1/Cs6g088	6.47	0	0	2	MASCOT	T	PLEX8	
2.10E-03 0|0	Cs6g08840.1/Cs6g088	6.47	0	0	2	MASCOT	T	PLEX8	
1.05E-03 0|0	Cs6g08840.1/Cs6g088	6.47	0	0	2	MASCOT	T	PLEX8	
2.56E-04 0|0	Cs6g08840.1/Cs6g088	6.47	0	0	2	MASCOT	T	PLEX8	
8.77E-06 0|0	Cs6g08840.1/Cs6g088	6.47	0	0	2	MASCOT	T		
4.09E-03 0|0	Cs6g08840.1/Cs6g088	6.47	0	0	2	MASCOT	T		
1.77E-02 0|0	Cs6g08840.1/Cs6g088	5.99	0	0	2	MASCOT	T		
9.03E-03 0|0	Cs6g08840.1/Cs6g088	5.99	0	0	2	MASCOT	T	PLEX8	
9.60E-02 0|0	Cs6g08840.1/Cs6g088	6	0	0	2	MASCOT	T	PLEX8	
4.51E-02 0|0	Cs6g08840.1/Cs6g088	6	0	0	2	MASCOT	T	PLEX8	
1.78E-01 0|0	Cs6g08840.1/Cs6g088	6	0	0	2	MASCOT	T	PLEX8	

6.13E-02	0|0	Cs6g08840.1/Cs6g088	6	0	0	2	MASCOT	T	PLEX8	
4.64E-03	0|0	Cs6g08840.1/Cs6g088	6	0	0	2	MASCOT	T	PLEX8	
2.16E-01	0|0	Cs6g08840.1/Cs6g088	6	0	0	2	MASCOT	T	PLEX8	
5.12E-03	0|0	Cs6g08840.1/Cs6g088	6	0	0	2	MASCOT	T	PLEX8	
3.21E-02	0|0	Cs6g08840.1/Cs6g088	6	0	0	2	MASCOT	T	PLEX8	
2.99E-02	0|0	Cs6g08840.1/Cs6g088	6	0	0	2	MASCOT	T	PLEX8	
1.15E-01	0|0	Cs6g08840.1/Cs6g088	6	0	0	2	MASCOT	T	PLEX8	
2.87E-02	0|0	Cs6g08840.1/Cs6g088	8.73	0	0	2	MASCOT	T	PLEX8	
4.22E-01	0|0	Cs6g08840.1/Cs6g088	8.73	0	0	2	MASCOT	T	PLEX8	
2.84E-03	0|0	Cs2g05050.1/Cs6g088	9.72	0	0	2	MASCOT	T	PLEX8	
1.08E-01	0|0	Cs2g05050.1/Cs6g088	9.72	0	0	2	MASCOT	T	PLEX8	
1.92E-02	0|0	Cs2g05050.1/Cs6g088	9.72	0	0	2	MASCOT	T	PLEX8	
1.67E-03	0|0	Cs6g08840.1/Cs6g088	8.19	0	15.9	0	2	MASCOT	T	PLEX8
1.53E-03	0|0	Cs6g08840.1/Cs6g088	8.19	0	15.9	0	2	MASCOT	T	PLEX8
7.20E-05	0|0	Cs2g15550.1/Cs2g155	4.65	0	0	2	MASCOT	T	PLEX8	
9.28E-02	0|0	Cs2g15550.1/Cs2g155	4.65	0	0	2	MASCOT	T		
3.25E-05	0|0	Cs2g15550.1/Cs2g155	4.65	0	0	2	MASCOT	T	PLEX8	
9.40E-05	0|0	Cs2g15550.1/Cs2g155	4.65	0	0	2	MASCOT	T	PLEX8	
7.51E-05	0|0	Cs2g15550.1/Cs2g155	4.65	0	0	2	MASCOT	T	PLEX8	
4.30E-06	0|0	Cs2g15550.1/Cs2g155	4.65	0	0	2	MASCOT	T	PLEX8	
8.35E-03	0|0	Cs2g15550.1/Cs2g155	4.65	0	0	2	MASCOT	T	PLEX8	
6.37E-04	0|0	Cs2g15550.1/Cs2g155	4.65	0	0	2	MASCOT	T		
7.15E-04	0|0	Cs2g15550.1/Cs2g155	4.65	0	0	2	MASCOT	T		
2.02E-01	0|0	Cs1g20220.1/Cs1g202	5.84	0	0	2	MASCOT	T		
1.64E-01	0|0	Cs2g15550.1/Cs2g155	6	0	0	2	MASCOT	T	PLEX8	
7.57E-02	0|0	Cs2g15550.1/Cs2g155	6	0	0	2	MASCOT	T	PLEX8	
1.05E-01	0|0	Cs2g15550.1/Cs2g155	6	0	0	2	MASCOT	T	PLEX8	
1.53E-01	0|0	Cs1g20220.1/Cs1g202	4.53	0	0	2	MASCOT	T	PLEX8	
9.67E-02	0|0	Cs2g15550.1/Cs2g155	6.1	0	0	2	MASCOT	T	PLEX8	
8.70E-02	0|0	Cs2g15550.1/Cs2g155	6.1	0	0	2	MASCOT	T	PLEX8	
1.50E-01	0|0	Cs1g20220.1/Cs1g202	6	0	0	2	MASCOT	T	PLEX8	
4.76E-02	0|0	Cs1g20220.1/Cs1g202	6	0	0	2	MASCOT	T	PLEX8	
1.01E-01	0|0	Cs1g20220.1/Cs1g202	6	0	0	2	MASCOT	T	PLEX8	
1.31E-02	0|0	Cs1g20220.1/Cs1g202	6	0	0	2	MASCOT	T	PLEX8	
1.41E-01	0|0	Cs1g20220.1/Cs1g202	6	0	0	2	MASCOT	T	PLEX8	
5.84E-01	0|0	Cs1g20220.1/Cs1g202	6	0	0	2	MASCOT	T	PLEX8	
2.64E-01	0|0	Cs2g04850.1/Cs2g048	8.59	0	0	2	MASCOT	T	PLEX8	
1.40E-01	0|0	Cs2g04850.1/Cs2g048	8.59	0	0	2	MASCOT	T	PLEX8	
2.16E-01	0|0	Cs2g04850.1/Cs2g048	8.59	0	0	2	MASCOT	T	PLEX8	
2.99E-02	0|0	Cs2g04850.1/Cs2g048	4.03	0	15.9	0	2	MASCOT	T	PLEX8
1.09E-01	0|0	Cs2g04850.1/Cs2g048	4.03	0	0	2	MASCOT	T	PLEX8	
3.06E-03	0|0	Cs2g04850.1/Cs2g048	4.03	0	0	2	MASCOT	T	PLEX8	
2.10E-01	0|0	Cs1g20220.1/Cs1g202	6	0	0	2	MASCOT	T		
3.14E-01	0|0	Cs1g20220.1/Cs1g202	6	0	0	2	MASCOT	T		
2.52E-01	0|0	Cs1g20220.1/Cs1g202	6	0	0	2	MASCOT	T		
5.90E-02	0|0	Cs5g34320.1/Cs5g343	4.53	0	0	2	MASCOT	T		
1.76E-01	0|0	Cs5g34320.1/Cs5g343	4.53	0	0	2	MASCOT	T		
1.92E-02	0|0	Cs5g34320.1/Cs5g343	4.53	0	0	2	MASCOT	T		
1.13E-01	0|0	Cs5g34320.1/Cs5g343	4.75	0	0	2	MASCOT	T	PLEX8	
1.74E-02	0|0	Cs5g34320.1/Cs5g343	4.75	0	0	2	MASCOT	T	PLEX8	
4.04E-02	0|0	Cs5g34320.1/Cs5g343	4.75	0	0	2	MASCOT	T	PLEX8	

2.55E-03	0|0	Cs5g34320.1/Cs5g343	4.75	0	0	2	MASCOT	T	PLEX8	
9.40E-02	0|0	Cs5g34320.1/Cs5g343	4.21	0	0	2	MASCOT	T		
7.88E-02	0|0	Cs5g34320.1/Cs5g343	4.21	0	0	2	MASCOT	T		
8.02E-02	0|0	Cs5g34320.1/Cs5g343	4.21	0	0	2	MASCOT	T		
1.44E-01	0|0	Cs5g34320.1/Cs5g343	4.37	0	0	2	MASCOT	T	PLEX8	
3.06E-02	0|0	Cs5g34320.1/Cs5g343	5.88	0	0	2	MASCOT	T		
1.18E-02	0|0	Cs5g34320.1/Cs5g343	5.83	0	15.9	0	2	MASCOT	T	
2.94E-02	0|0	Cs5g34320.1/Cs5g343	5.83	0	0	2	MASCOT	T		
4.31E-02	0|0	Cs5g34320.1/Cs5g343	5.83	0	0	2	MASCOT	T		
2.13E-04	0|0	Cs5g34320.1/Cs5g343	4.65	0	0	2	MASCOT	T	PLEX8	
7.49E-02	0|0	Cs5g34320.1/Cs5g343	4.65	0	0	2	MASCOT	T	PLEX8	
1.55E-02	0|0	Cs5g34320.1/Cs5g343	4.65	0	0	2	MASCOT	T	PLEX8	
1.19E-03	0|0	Cs5g34320.1/Cs5g343	4.65	0	0	2	MASCOT	T	PLEX8	
1.25E-02	0|0	Cs5g34320.1/Cs5g343	4.65	0	0	2	MASCOT	T	PLEX8	
1.74E-05	0|0	Cs5g34320.1/Cs5g343	6	0	0	2	MASCOT	T		
3.37E-02	0|0	Cs5g34320.1/Cs5g343	6	0	0	2	MASCOT	T		
2.80E-05	0|0	Cs5g34320.1/Cs5g343	6	0	0	2	MASCOT	T		
3.73E-02	0|0	Cs5g34320.1/Cs5g343	6	0	0	2	MASCOT	T		
2.40E-01	0|0	Cs5g34320.1/Cs5g343	5.84	0	0	2	MASCOT	T	PLEX8	
8.08E-02	0|0	Cs5g34320.1/Cs5g343	5.84	0	0	2	MASCOT	T	PLEX8	
9.45E-02	0|0	Cs5g34320.1/Cs5g343	5.84	0	0	2	MASCOT	T	PLEX8	
4.36E-02	0|0	Cs5g34320.1/Cs5g343	5.84	0	0	2	MASCOT	T	PLEX8	
2.09E-01	0|0	Cs5g34320.1/Cs5g343	5.84	0	0	2	MASCOT	T	PLEX8	
4.35E-01	0|0	Cs9g18330.1/Cs9g183	6.8	0	0	2	MASCOT	T	PLEX8	
1.85E-03	0|0	Cs9g18330.1/Cs9g183	5.4	0	0	2	MASCOT	T	PLEX8	
1.33E-02	0|0	Cs9g18330.1/Cs9g183	5.4	0	0	2	MASCOT	T	PLEX8	
3.02E-03	0|0	Cs9g18330.1/Cs9g183	5.4	0	0	2	MASCOT	T	PLEX8	
2.08E-03	0|0	Cs9g18330.1/Cs9g183	5.4	0	0	2	MASCOT	T	PLEX8	
4.50E-03	0|0	Cs9g18330.1/Cs9g183	5.4	0	0	2	MASCOT	T	PLEX8	
8.53E-03	0|0	Cs9g18330.1/Cs9g183	6.74	0	15.9	0	2	MASCOT	T	PLEX8
1.40E-03	0|0	Cs9g18330.1/Cs9g183	6.74	0	0	2	MASCOT	T	PLEX8	
1.12E-01	0|0	Cs9g18330.1/Cs9g183	6.74	0	0	2	MASCOT	T	PLEX8	
3.99E-03	0|0	Cs9g18330.1/Cs9g183	6.74	0	0	2	MASCOT	T	PLEX8	
5.21E-03	0|0	Cs9g18330.1/Cs9g183	6	0	0	2	MASCOT	T	PLEX8	
2.78E-04	0|0	Cs9g18330.1/Cs9g183	5.18	0	15.9	0	2	MASCOT	T	PLEX8
1.42E-06	0|0	Cs9g18330.1/Cs9g183	5.18	0	15.9	0	2	MASCOT	T	
8.25E-05	0|0	Cs9g18330.1/Cs9g183	5.18	0	15.9	0	2	MASCOT	T	
3.98E-05	0|0	Cs9g18330.1/Cs9g183	5.18	0	0	2	MASCOT	T	PLEX8	
1.02E-02	0|0	Cs9g18330.1/Cs9g183	5.18	0	0	2	MASCOT	T	PLEX8	
2.11E-06	0|0	Cs9g18330.1/Cs9g183	5.18	0	0	2	MASCOT	T	PLEX8	
3.75E-02	0|0	Cs9g18330.1/Cs9g183	5.18	0	0	2	MASCOT	T		
1.04E-04	0|0	Cs9g18330.1/Cs9g183	5.18	0	0	2	MASCOT	T		
5.90E-04	0|0	Cs9g18330.1/Cs9g183	4.03	0	0	2	MASCOT	T	PLEX8	
2.84E-03	0|0	Cs9g18330.1/Cs9g183	4.03	0	0	2	MASCOT	T	PLEX8	
4.57E-03	0|0	Cs9g18330.1/Cs9g183	4.03	0	0	2	MASCOT	T	PLEX8	
1.80E-02	0|0	Cs9g18330.1/Cs9g183	4.03	0	0	2	MASCOT	T	PLEX8	
1.17E-03	0|0	Cs9g18330.1/Cs9g183	4.3	0	0	2	MASCOT	T		
2.46E-03	0|0	Cs9g18330.1/Cs9g183	4.3	0	0	2	MASCOT	T	PLEX8	
1.05E-01	0|0	Cs9g18330.1/Cs9g183	5.83	0	0	2	MASCOT	T		
9.10E-02	0|0	Cs9g18330.1/Cs9g183	5.83	0	0	2	MASCOT	T		
4.86E-06	0|0	Cs9g18330.1/Cs9g183	5.83	0	0	2	MASCOT	T		

5.65E-02	0|0	Cs9g18330.1/Cs9g183	4.25	0	0	2	MASCOT	T	
8.48E-02	0|0	Cs3g06370.1/Cs3g155	5.32	0	15.9	0	2	MASCOT	T PLEX8
2.33E-03	0|0	Cs3g06370.1/Cs3g155	5.32	0	15.9	0	2	MASCOT	T PLEX8
7.21E-02	0|0	Cs3g06370.1/Cs3g155	5.32	0	0	2	MASCOT	T	PLEX8
8.02E-04	0|0	Cs3g06370.1/Cs7g160	4.37	0	0	2	MASCOT	T	PLEX8
4.91E-02	0|0	Cs3g06370.1/Cs7g160	6.06	1	0	2	MASCOT	T	PLEX8
2.90E-02	0|0	Cs3g06370.1/Cs7g160	6.06	1	0	2	MASCOT	T	PLEX8
4.40E-01	0|0	Cs3g06370.1/Cs3g155	8.59	0	0	2	MASCOT	T	PLEX8
2.22E-03	0|0	Cs3g06370.1/Cs3g155	9.8	0	0	2	MASCOT	T	PLEX8
1.92E-01	0|0	Cs3g06370.1/Cs3g155	9.8	0	0	2	MASCOT	T	PLEX8
4.70E-02	0|0	Cs3g06370.1/Cs3g155	9.8	0	0	2	MASCOT	T	PLEX8
1.61E-03	0|0	Cs3g06370.1/Cs3g155	9.8	0	0	2	MASCOT	T	PLEX8
1.33E-04	0|0	Cs3g06370.1/Cs3g155	9.8	0	0	2	MASCOT	T	PLEX8
2.04E-03	0|0	Cs3g06370.1/Cs3g155	9.8	0	0	2	MASCOT	T	PLEX8
4.61E-02	0|0	Cs3g06370.1/Cs3g155	9.8	0	0	2	MASCOT	T	PLEX8
2.02E-01	0|0	Cs3g06370.1/Cs3g155	9.8	0	0	2	MASCOT	T	PLEX8
5.64E-02	0|0	Cs3g06370.1/Cs3g155	4.53	0	0	2	MASCOT	T	PLEX8
1.71E-03	0|0	Cs3g15540.1/Cs3g155	6.75	0	0	2	MASCOT	T	PLEX8
7.22E-02	0|0	Cs3g15540.1/Cs3g155	6.75	0	0	2	MASCOT	T	PLEX8
5.55E-03	0|0	Cs3g15540.1/Cs3g155	6.75	0	0	2	MASCOT	T	PLEX8
1.26E-01	0|0	Cs3g15540.1/Cs3g155	6.75	0	0	2	MASCOT	T	
2.89E-03	0|0	Cs3g06370.1/Cs3g155	6.74	0	0	2	MASCOT	T	PLEX8
1.99E-02	0|0	Cs3g06370.1/Cs3g155	6.74	0	0	2	MASCOT	T	PLEX8
4.32E-02	0|0	Cs3g06370.1/Cs3g155	6.74	0	0	2	MASCOT	T	
6.00E-02	0|0	Cs3g06370.1/Cs3g155	6.74	0	0	2	MASCOT	T	
7.72E-02	0|0	Cs3g06370.1/Cs3g155	6.74	0	0	2	MASCOT	T	PLEX8
3.35E-02	0|0	Cs3g06370.1/Cs3g155	6.74	0	0	2	MASCOT	T	
5.21E-02	0|0	Cs3g06370.1/Cs3g155	6.74	0	0	2	MASCOT	T	
3.38E-01	0|0	Cs3g06370.1/Cs3g155	8.46	0	0	2	MASCOT	T	PLEX8
4.79E-02	0|0	Cs5g21930.1/Cs5g219	8.8	0	0	2	MASCOT	T	PLEX8
1.29E-01	0|0	Cs5g21930.1/Cs5g219	5.88	0	0	2	MASCOT	T	PLEX8
8.06E-02	0|0	Cs5g21930.1/Cs5g219	5.88	0	0	2	MASCOT	T	PLEX8
9.13E-02	0|0	Cs5g21930.1/Cs5g219	4.14	0	0	2	MASCOT	T	PLEX8
1.97E-01	0|0	Cs5g21930.1/Cs5g219	9.75	0	0	2	MASCOT	T	PLEX8
8.35E-04	0|0	Cs5g21930.1/Cs5g219	9.75	0	0	2	MASCOT	T	PLEX8
1.13E-02	0|0	Cs5g21930.1/Cs5g219	9.75	0	0	2	MASCOT	T	PLEX8
1.19E-02	0|0	Cs5g21930.1/Cs5g219	9.75	0	0	2	MASCOT	T	PLEX8
4.97E-03	0|0	Cs5g21930.1/Cs5g219	5.55	0	0	2	MASCOT	T	PLEX8
1.61E-04	0|0	Cs5g21930.1/Cs5g219	5.55	0	0	2	MASCOT	T	
1.08E-02	0|0	Cs5g21930.1/Cs5g219	5.55	0	0	2	MASCOT	T	PLEX8
6.67E-03	0|0	Cs5g21930.1/Cs5g219	5.55	0	0	2	MASCOT	T	PLEX8
3.02E-02	0|0	Cs5g21930.1/Cs5g219	5.55	0	0	2	MASCOT	T	
2.97E-03	0|0	Cs5g21930.1/Cs5g219	4.14	0	0	2	MASCOT	T	PLEX8
2.00E-05	0|0	Cs5g21930.1/Cs5g219	4.14	0	0	2	MASCOT	T	PLEX8
1.98E-02	0|0	Cs5g21930.1/Cs5g219	4.53	0	0	2	MASCOT	T	PLEX8
4.26E-02	0|0	Cs5g21930.1/Cs5g219	9.8	0	0	2	MASCOT	T	PLEX8
3.36E-04	0|0	Cs5g21930.1/Cs5g219	9.8	0	0	2	MASCOT	T	PLEX8
7.93E-04	0|0	Cs5g21930.1/Cs5g219	9.8	0	0	2	MASCOT	T	PLEX8
1.35E-01	0|0	Cs5g21930.1/Cs5g219	9.8	0	0	2	MASCOT	T	PLEX8
9.87E-03	0|0	Cs5g21930.1/Cs5g219	9.8	0	0	2	MASCOT	T	PLEX8
1.96E-02	0|0	Cs5g21930.1/Cs5g219	9.8	0	0	2	MASCOT	T	PLEX8

5.52E-03	0|0	Cs5g21930.1/Cs5g219	8.75	0	0	2	MASCOT	T	PLEX8	
3.26E-02	0|0	Cs5g21930.1/Cs5g219	8.75	0	0	2	MASCOT	T	PLEX8	
3.30E-04	0|0	Cs5g21930.1/Cs5g219	8.75	0	0	2	MASCOT	T	PLEX8	
2.24E-03	0|0	Cs5g21930.1/Cs5g219	8.75	0	0	2	MASCOT	T	PLEX8	
9.43E-05	0|0	Cs5g21930.1/Cs5g219	8.75	0	0	2	MASCOT	T	PLEX8	
8.55E-02	0|0	Cs7g04340.1	6	0	0	2	MASCOT	T	PLEX8	
1.52E-01	0|0	Cs7g04340.1	6	0	0	2	MASCOT	T	PLEX8	
5.46E-02	0|0	Cs7g04340.1	4.53	0	0	2	MASCOT	T	PLEX8	
8.88E-03	0|0	Cs7g04340.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.18E-01	0|0	Cs7g04340.1	4.53	0	0	2	MASCOT	T	PLEX8	
3.71E-03	0|0	Cs7g04340.1	4.23	1	0	2	MASCOT	T	PLEX8	
2.94E-03	0|0	Cs7g04340.1	4.23	1	0	2	MASCOT	T		
3.05E-05	0|0	Cs7g04340.1	4.23	1	0	2	MASCOT	T		
4.66E-01	0|0	Cs7g04340.1	8.47	0	0	2	MASCOT	T	PLEX8	
6.50E-02	0|0	Cs7g04340.1	8.47	0	0	2	MASCOT	T	PLEX8	
2.76E-01	0|0	Cs7g04340.1	8.47	0	0	2	MASCOT	T		
9.69E-02	0|0	Cs7g04340.1	8.47	0	0	2	MASCOT	T		
2.43E-02	0|0	Cs7g04340.1	6	0	0	2	MASCOT	T	PLEX8	
6.22E-02	0|0	Cs7g04340.1	6	0	0	2	MASCOT	T	PLEX8	
7.24E-04	0|0	Cs7g04340.1	4.03	0	0	2	MASCOT	T	PLEX8	
6.00E-02	0|0	Cs7g04340.1	6	0	0	2	MASCOT	T	PLEX8	
8.41E-03	0|0	Cs7g04340.1	6	0	0	2	MASCOT	T	PLEX8	
5.68E-02	0|0	Cs7g04340.1	6	0	0	2	MASCOT	T	PLEX8	
6.51E-03	0|0	Cs7g04340.1	6	0	0	2	MASCOT	T	PLEX8	
6.74E-03	0|0	Cs7g04340.1	6	0	0	2	MASCOT	T	PLEX8	
2.28E-01	0|0	Cs7g04340.1	8.59	0	0	2	MASCOT	T		
3.82E-02	0|0	Cs7g04340.1	5.66	0	15.9	0	2	MASCOT	T	
3.18E-05	0|0	Cs7g04340.1	5.66	0	15.9	0	2	MASCOT	T	
1.08E-03	0|0	Cs7g04340.1	5.66	0	15.9	0	2	MASCOT	T	
2.88E-02	0|0	Cs7g04340.1	5.66	0	15.9	0	2	MASCOT	T	PLEX8
7.21E-05	0|0	Cs7g04340.1	5.66	0	0	2	MASCOT	T		
1.55E-04	0|0	Cs7g04340.1	5.66	0	0	2	MASCOT	T		
2.28E-01	0|0	Cs2g16200.1/Cs2g162	9.8	0	0	2	MASCOT	T	PLEX8	
7.47E-02	0|0	Cs2g16200.1/Cs2g162	9.8	0	0	2	MASCOT	T	PLEX8	
3.42E-02	0|0	Cs2g16200.1/Cs2g162	4.21	0	0	2	MASCOT	T	PLEX8	
8.89E-03	0|0	Cs2g16200.1/Cs2g162	4.21	0	0	2	MASCOT	T	PLEX8	
3.86E-04	0|0	Cs2g16200.1/Cs2g162	4.25	0	0	2	MASCOT	T	PLEX8	
2.08E-03	0|0	Cs2g16200.1/Cs2g162	4.25	0	0	2	MASCOT	T	PLEX8	
2.38E-01	0|0	Cs2g16200.1/Cs2g162	4.25	0	0	2	MASCOT	T	PLEX8	
6.18E-03	0|0	Cs2g16200.1/Cs2g162	4.25	0	0	2	MASCOT	T	PLEX8	
6.53E-03	0|0	Cs2g16220.1/Cs2g162	6	0	0	2	MASCOT	T	PLEX8	
4.49E-02	0|0	Cs2g16220.1/Cs2g162	6	0	0	2	MASCOT	T	PLEX8	
9.51E-02	0|0	Cs2g16220.1/Cs2g162	6	0	0	2	MASCOT	T	PLEX8	
4.37E-02	0|0	Cs2g16220.1/Cs2g162	6	0	0	2	MASCOT	T	PLEX8	
1.57E-04	0|0	Cs2g16220.1/Cs2g162	4.14	0	0	2	MASCOT	T	PLEX8	
2.09E-01	0|0	Cs2g16220.1/Cs2g162	4.14	0	0	2	MASCOT	T		
6.39E-06	0|0	Cs2g16220.1/Cs2g162	4.14	0	0	2	MASCOT	T		
3.30E-02	0|0	Cs2g16220.1/Cs8g071	8.59	0	0	2	MASCOT	T	PLEX8	
9.56E-04	0|0	Cs2g16220.1/Cs8g071	8.59	0	0	2	MASCOT	T	PLEX8	
2.20E-03	0|0	Cs2g16220.1/Cs8g071	8.59	0	0	2	MASCOT	T	PLEX8	
4.27E-02	0|0	Cs2g16200.1/Cs2g162	6.46	0	0	2	MASCOT	T	PLEX8	

4.53E-02	0|0	Cs2g16200.1/Cs2g162	6.46	0	0	2	MASCOT	T	PLEX8
1.74E-01	0|0	Cs2g16200.1/Cs2g162	6.46	0	0	2	MASCOT	T	PLEX8
7.07E-02	0|0	Cs2g16200.1/Cs2g162	6.46	0	0	2	MASCOT	T	PLEX8
3.45E-01	0|0	Cs2g16200.1/Cs2g162	6.46	0	0	2	MASCOT	T	PLEX8
1.19E-02	0|0	Cs2g16200.1/Cs2g162	6.46	0	0	2	MASCOT	T	PLEX8
2.25E-03	0|0	Cs2g16200.1/Cs2g162	6.46	0	0	2	MASCOT	T	PLEX8
1.13E-01	0|0	Cs8g07170.1	6.79	0	0	2	MASCOT	T	PLEX8
2.29E-01	0|0	Cs2g16260.1/Cs2g162	6.1	0	0	2	MASCOT	T	PLEX8
1.13E-02	0|0	Cs8g18560.1/Cs8g185	4.53	0	0	2	MASCOT	T	PLEX8
2.50E-02	0|0	Cs8g18560.1/Cs8g185	4.37	0	0	2	MASCOT	T	
5.17E-03	0|0	Cs8g18560.1/Cs8g185	4.37	0	0	2	MASCOT	T	
7.57E-05	0|0	Cs8g18560.1/Cs8g185	4.37	0	0	2	MASCOT	T	
3.96E-01	0|0	Cs7g32500.1/Cs7g325	8.75	0	0	2	MASCOT	T	PLEX8
7.24E-03	0|0	Cs8g18560.1/Cs8g185	5.4	0	0	2	MASCOT	T	PLEX8
1.84E-05	0|0	Cs8g18560.1/Cs8g185	5.4	0	0	2	MASCOT	T	PLEX8
2.93E-05	0|0	Cs8g18560.1/Cs8g185	5.4	0	0	2	MASCOT	T	
2.41E-01	0|0	Cs8g18560.1/Cs8g185	5.4	0	0	2	MASCOT	T	
3.13E-04	0|0	Cs8g18560.1/Cs8g185	5.4	0	0	2	MASCOT	T	
2.49E-07	0|0	Cs8g18560.1/Cs8g185	5.4	0	0	2	MASCOT	T	
1.57E-01	0|0	Cs8g18560.1/Cs8g185	8.72	0	0	2	MASCOT	T	PLEX8
2.95E-03	0|0	Cs7g32500.1/Cs7g325	4.53	0	0	2	MASCOT	T	
1.03E-05	0|0	Cs7g32500.1/Cs7g325	4.53	0	0	2	MASCOT	T	
1.69E-03	0|0	Cs7g32500.1/Cs7g325	4.53	0	0	2	MASCOT	T	
1.77E-05	0|0	Cs7g32500.1/Cs7g325	4.53	0	0	2	MASCOT	T	
3.68E-04	0|0	Cs7g32500.1/Cs7g325	4.53	0	0	2	MASCOT	T	
8.57E-06	0|0	Cs7g32500.1/Cs7g325	4.53	0	0	2	MASCOT	T	
7.28E-03	0|0	Cs7g32500.1/Cs7g325	4.53	0	0	2	MASCOT	T	
5.93E-04	0|0	Cs7g32500.1/Cs7g325	4.53	0	0	2	MASCOT	T	
8.44E-03	0|0	Cs8g18560.1/Cs8g185	4.03	0	0	2	MASCOT	T	PLEX8
1.62E-01	0|0	Cs8g18560.1/Cs8g185	4.53	0	0	2	MASCOT	T	PLEX8
7.99E-03	0|0	Cs8g18560.1/Cs8g185	4.53	0	0	2	MASCOT	T	PLEX8
1.07E-04	0|0	Cs8g18560.1/Cs8g185	4.53	0	0	2	MASCOT	T	PLEX8
5.61E-02	0|0	Cs8g18560.1/Cs8g185	6.46	0	0	2	MASCOT	T	PLEX8
2.99E-02	0|0	Cs8g18560.1/Cs8g185	6.46	0	0	2	MASCOT	T	PLEX8
3.19E-03	0|0	Cs8g18560.1/Cs8g185	6.46	0	0	2	MASCOT	T	PLEX8
5.90E-02	0|0	Cs8g05720.1	5.99	0	0	2	MASCOT	T	
1.58E-01	0|0	Cs8g05720.1	5.99	0	0	2	MASCOT	T	PLEX8
1.01E-02	0|0	Cs8g05720.1	5.99	0	0	2	MASCOT	T	PLEX8
3.45E-03	0|0	Cs8g05720.1	5.99	0	0	2	MASCOT	T	PLEX8
2.75E-01	0|0	Cs8g05720.1	4.53	0	0	2	MASCOT	T	PLEX8
2.61E-01	0|0	Cs8g05720.1	4.53	0	0	2	MASCOT	T	PLEX8
2.74E-02	0|0	Cs8g05720.1	6	0	0	2	MASCOT	T	PLEX8
1.45E-01	0|0	Cs8g05720.1	6	0	0	2	MASCOT	T	PLEX8
1.90E-01	0|0	Cs8g05720.1	6	0	0	2	MASCOT	T	PLEX8
8.33E-02	0|0	Cs8g05720.1	5.84	0	0	2	MASCOT	T	
6.05E-02	0|0	Cs8g05720.1	5.84	0	0	2	MASCOT	T	
1.07E-05	0|0	Cs8g05720.1	5.84	0	0	2	MASCOT	T	
3.29E-04	0|0	Cs8g05640.1/Cs8g057	3.92	0	0	2	MASCOT	T	PLEX8
4.41E-03	0|0	Cs8g05640.1/Cs8g057	4.25	0	0	2	MASCOT	T	PLEX8
9.21E-03	0|0	Cs8g05640.1/Cs8g057	4.25	0	0	2	MASCOT	T	PLEX8
8.31E-02	0|0	Cs8g05640.1/Cs8g057	4.25	0	0	2	MASCOT	T	PLEX8

5.98E-02	0|0	Cs7g05830.1 ! Cs8g05	4.53	0	0	2	MASCOT	T	PLEX8
1.80E-01	0|0	Cs7g05830.1 ! Cs8g05	4.53	0	0	2	MASCOT	T	PLEX8
1.71E-01	0|0	Cs7g05830.1 ! Cs8g05	4.53	0	0	2	MASCOT	T	PLEX8
1.13E-03	0|0	Cs8g05720.1	3.84	0	0	2	MASCOT	T	PLEX8
3.46E-01	0|0	Cs8g05720.1	7.86	0	0	2	MASCOT	T	PLEX8
3.43E-02	0|0	Cs8g05720.1	7.86	0	0	2	MASCOT	T	PLEX8
2.44E-02	0|0	Cs8g05720.1	7.86	0	0	2	MASCOT	T	PLEX8
1.61E-01	0|0	Cs8g05720.1	7.86	0	0	2	MASCOT	T	PLEX8
5.32E-02	0|0	Cs8g05720.1	7.86	0	0	2	MASCOT	T	PLEX8
7.80E-03	0|0	Cs8g05720.1	7.86	0	0	2	MASCOT	T	PLEX8
1.47E-01	0|0	Cs1g14700.1/Cs1g147	4.14	0	0	2	MASCOT	T	PLEX8
1.25E-01	0|0	Cs1g14700.1/Cs1g147	4.14	0	0	2	MASCOT	T	
1.50E-02	0|0	Cs1g14700.1/Cs1g147	9.76	0	0	2	MASCOT	T	PLEX8
8.22E-04	0|0	Cs1g14700.1/Cs1g147	9.76	0	0	2	MASCOT	T	PLEX8
2.18E-03	0|0	Cs1g14700.1/Cs1g147	9.76	0	0	2	MASCOT	T	PLEX8
3.95E-03	0|0	Cs1g14700.1/Cs1g147	9.76	0	0	2	MASCOT	T	PLEX8
1.33E-03	0|0	Cs1g14700.1/Cs1g147	9.76	0	0	2	MASCOT	T	PLEX8
6.15E-02	0|0	Cs1g14700.1/Cs1g147	9.76	0	0	2	MASCOT	T	PLEX8
1.57E-01	0|0	Cs1g14700.1/Cs1g147	9.76	0	0	2	MASCOT	T	PLEX8
1.73E-02	0|0	Cs1g14700.1/Cs1g147	9.76	0	0	2	MASCOT	T	PLEX8
2.96E-02	0|0	Cs1g14700.1/Cs1g147	9.76	0	0	2	MASCOT	T	
3.88E-02	0|0	Cs1g14700.1/Cs1g147	8.76	0	0	2	MASCOT	T	PLEX8
6.79E-03	0|0	Cs1g14700.1/Cs1g147	8.76	0	0	2	MASCOT	T	PLEX8
2.54E-03	0|0	Cs1g14700.1/Cs1g147	8.76	0	0	2	MASCOT	T	PLEX8
1.31E-02	0|0	Cs1g14700.1/Cs1g147	8.59	0	0	2	MASCOT	T	PLEX8
2.15E-01	0|0	Cs1g14700.1/Cs1g147	8.59	0	0	2	MASCOT	T	PLEX8
3.90E-02	0|0	Cs1g14700.1/Cs1g147	5.81	0	0	2	MASCOT	T	PLEX8
1.55E-01	0|0	Cs1g14700.1/Cs1g147	6.1	0	0	2	MASCOT	T	PLEX8
1.66E-01	0|0	Cs1g14700.1/Cs1g147	4.53	0	0	2	MASCOT	T	
4.75E-02	0|0	Cs1g14700.1/Cs1g147	4.53	0	0	2	MASCOT	T	
8.66E-03	0|0	Cs1g14700.1/Cs1g147	8.31	0	0	2	MASCOT	T	PLEX8
5.56E-03	0|0	Cs1g14700.1/Cs1g147	8.31	0	0	2	MASCOT	T	PLEX8
2.23E-03	0|0	Cs1g14700.1/Cs1g147	8.31	0	0	2	MASCOT	T	PLEX8
6.96E-02	0|0	Cs1g14700.1/Cs1g147	4.14	0	0	2	MASCOT	T	PLEX8
1.11E-02	0|0	Cs3g20840.2	4.37	0	0	2	MASCOT	T	PLEX8
6.39E-02	0|0	Cs3g20840.2	5.98	0	0	2	MASCOT	T	PLEX8
2.22E-03	0|0	Cs3g06370.1/Cs3g155	9.8	0	0	2	MASCOT	T	PLEX8
1.92E-01	0|0	Cs3g06370.1/Cs3g155	9.8	0	0	2	MASCOT	T	PLEX8
4.70E-02	0|0	Cs3g06370.1/Cs3g155	9.8	0	0	2	MASCOT	T	PLEX8
1.61E-03	0|0	Cs3g06370.1/Cs3g155	9.8	0	0	2	MASCOT	T	PLEX8
1.33E-04	0|0	Cs3g06370.1/Cs3g155	9.8	0	0	2	MASCOT	T	PLEX8
2.04E-03	0|0	Cs3g06370.1/Cs3g155	9.8	0	0	2	MASCOT	T	PLEX8
4.61E-02	0|0	Cs3g06370.1/Cs3g155	9.8	0	0	2	MASCOT	T	PLEX8
2.02E-01	0|0	Cs3g06370.1/Cs3g155	9.8	0	0	2	MASCOT	T	PLEX8
7.88E-02	0|0	Cs3g20840.2	6.75	0	0	2	MASCOT	T	PLEX8
1.83E-02	0|0	Cs3g20840.2	4.37	0	0	2	MASCOT	T	PLEX8
1.17E-02	0|0	Cs3g20840.2	4.37	0	0	2	MASCOT	T	PLEX8
1.15E-01	0|0	Cs3g20840.2	4.37	0	0	2	MASCOT	T	PLEX8
5.34E-03	0|0	Cs3g20840.2	9.76	0	0	2	MASCOT	T	PLEX8
1.94E-01	0|0	Cs3g20840.2	4.37	0	0	2	MASCOT	T	PLEX8
6.07E-02	0|0	Cs3g20840.1/Cs3g208	8.46	0	0	2	MASCOT	T	

7.65E-02	0|0	Cs3g20840.1/Cs3g208	8.46	0	0	2	MASCOT	T	PLEX8	
1.14E-01	0|0	Cs3g20840.1/Cs3g208	4.37	0	15.9	0	2	MASCOT	T	PLEX8
3.04E-02	0|0	Cs3g20840.1/Cs3g208	4.37	0	0	2	MASCOT	T	PLEX8	
7.37E-02	0|0	Cs3g20840.1/Cs3g208	4.37	0	0	2	MASCOT	T	PLEX8	
3.54E-01	0|0	Cs3g20840.1/Cs3g208	4.37	0	0	2	MASCOT	T	PLEX8	
2.54E-02	0|0	Cs3g20840.1/Cs3g208	4.37	0	0	2	MASCOT	T	PLEX8	
3.14E-04	0|0	Cs3g27280.1/Cs3g272	3.92	0	0	2	MASCOT	T	PLEX8	
1.24E-02	0|0	Cs3g27280.1/Cs3g272	5.21	0	0	2	MASCOT	T	PLEX8	
3.62E-03	0|0	Cs3g27280.1/Cs3g272	5.21	0	0	2	MASCOT	T		
9.22E-03	0|0	Cs3g27280.1/Cs3g272	5.21	0	0	2	MASCOT	T		
6.48E-02	0|0	Cs3g27280.1/Cs3g272	9.76	0	0	2	MASCOT	T		
1.99E-02	0|0	Cs4g18460.1/Cs4g184	5.87	0	0	2	MASCOT	T	PLEX8	
8.14E-04	0|0	Cs3g27280.1/Cs3g272	6.75	0	0	2	MASCOT	T	PLEX8	
1.05E-04	0|0	Cs3g27280.1/Cs3g272	6.75	0	0	2	MASCOT	T	PLEX8	
3.14E-03	0|0	Cs3g27280.1/Cs3g272	6.75	0	0	2	MASCOT	T	PLEX8	
1.77E-02	0|0	Cs3g27280.1/Cs3g272	6.75	0	0	2	MASCOT	T	PLEX8	
3.15E-02	0|0	Cs3g27280.1/Cs3g272	6.75	0	0	2	MASCOT	T		
3.87E-02	0|0	Cs3g27280.1/Cs3g272	4.65	0	0	2	MASCOT	T	PLEX8	
1.73E-02	0|0	Cs3g27280.1/Cs3g272	4.65	0	0	2	MASCOT	T	PLEX8	
7.95E-02	0|0	Cs3g27280.1/Cs3g272	4.65	0	0	2	MASCOT	T	PLEX8	
2.64E-01	0|0	Cs3g27280.1/Cs3g272	4.65	0	0	2	MASCOT	T		
1.50E-03	0|0	Cs3g27280.1/Cs3g272	4.65	0	0	2	MASCOT	T		
3.65E-01	0|0	Cs3g27280.1/Cs3g272	4.65	0	0	2	MASCOT	T		
1.07E-01	0|0	Cs3g27280.1/Cs3g272	6.75	0	0	2	MASCOT	T	PLEX8	
3.23E-02	0|0	Cs3g27280.1/Cs3g272	5.84	0	0	2	MASCOT	T	PLEX8	
5.26E-02	0|0	Cs3g27280.1/Cs3g272	5.84	0	0	2	MASCOT	T	PLEX8	
2.00E-01	0|0	Cs3g27280.1/Cs3g272	6.72	0	0	2	MASCOT	T	PLEX8	
3.39E-01	0|0	Cs3g27280.1/Cs3g272	6.72	0	0	2	MASCOT	T		
6.71E-02	0|0	Cs3g27280.1/Cs3g272	6.72	0	0	2	MASCOT	T		
6.55E-02	0|0	Cs3g09730.1/Cs3g097	5.88	0	15.9	0	2	MASCOT	T	PLEX8
1.09E-02	0|0	Cs3g09730.1/Cs3g097	5.88	0	0	2	MASCOT	T	PLEX8	
2.34E-01	0|0	Cs3g09730.1/Cs3g097	8.25	0	0	2	MASCOT	T	PLEX8	
2.19E-02	0|0	Cs3g09770.1	5.96	1	0	2	MASCOT	T	PLEX8	
3.27E-03	0|0	Cs3g09770.1	4.37	0	0	2	MASCOT	T		
1.45E-01	0|0	Cs3g09750.1/Cs3g097	4.37	0	0	2	MASCOT	T	PLEX8	
3.35E-02	0|0	Cs3g09730.1/Cs3g097	8.76	0	0	2	MASCOT	T	PLEX8	
1.38E-01	0|0	Cs3g09730.1/Cs3g097	8.76	0	0	2	MASCOT	T	PLEX8	
1.11E-01	0|0	Cs3g09730.1/Cs3g097	8.76	0	0	2	MASCOT	T	PLEX8	
2.64E-02	0|0	Cs3g09730.1/Cs3g097	8.76	0	0	2	MASCOT	T	PLEX8	
2.25E-01	0|0	Cs3g09730.1/Cs3g097	5.4	0	0	2	MASCOT	T	PLEX8	
6.29E-02	0|0	Cs3g09730.1/Cs3g097	5.4	0	0	2	MASCOT	T	PLEX8	
1.89E-01	0|0	Cs3g09730.1/Cs3g097	5.4	0	0	2	MASCOT	T	PLEX8	
2.38E-01	0|0	Cs3g09730.1/Cs3g097	5.4	0	0	2	MASCOT	T	PLEX8	
2.61E-02	0|0	Cs3g09730.1/Cs3g097	5.4	0	0	2	MASCOT	T	PLEX8	
1.56E-02	0|0	Cs3g09730.2/Cs3g097	4.21	0	0	2	MASCOT	T	PLEX8	
5.62E-03	0|0	Cs3g09730.2/Cs3g097	4.21	0	0	2	MASCOT	T	PLEX8	
1.99E-02	0|0	Cs3g09750.1/Cs3g097	4.53	0	0	2	MASCOT	T	PLEX8	
5.74E-02	0|0	Cs3g09750.1/Cs3g097	4.53	0	0	2	MASCOT	T	PLEX8	
1.53E-01	0|0	Cs3g09750.1/Cs3g097	4.53	0	0	2	MASCOT	T	PLEX8	
3.92E-03	0|0	Cs3g09750.1/Cs3g097	4.53	0	0	2	MASCOT	T	PLEX8	
9.80E-02	0|0	Cs3g09750.1/Cs3g097	4.53	0	0	2	MASCOT	T	PLEX8	

8.60E-02	0|0	Cs3g13880.1/Cs3g138	4.21	0	0	2	MASCOT	T	PLEX8	
9.24E-02	0|0	Cs3g13880.1/Cs3g138	4.21	0	0	2	MASCOT	T	PLEX8	
2.49E-01	0|0	Cs3g13880.1/Cs3g138	4.21	0	0	2	MASCOT	T	PLEX8	
5.44E-01	0|0	Cs3g13880.1/Cs3g138	4.03	0	0	2	MASCOT	T	PLEX8	
3.91E-02	0|0	Cs3g13880.1/Cs3g138	5.4	0	15.9	0	2	MASCOT	T	PLEX8
1.30E-04	0|0	Cs3g13880.1/Cs3g138	5.4	0	15.9	0	2	MASCOT	T	PLEX8
1.11E-03	0|0	Cs3g13880.1/Cs3g138	5.4	0	0	2	MASCOT	T	PLEX8	
3.44E-04	0|0	Cs3g13880.1/Cs3g138	5.4	0	0	2	MASCOT	T	PLEX8	
7.61E-02	0|0	Cs3g13880.1	5.81	0	0	2	MASCOT	T		
1.02E-03	0|0	Cs3g13880.1/Cs3g138	5.21	0	0	2	MASCOT	T	PLEX8	
4.55E-02	0|0	Cs3g13880.1/Cs3g138	5.21	0	0	2	MASCOT	T	PLEX8	
2.12E-02	0|0	Cs3g13880.1/Cs3g138	5.21	0	0	2	MASCOT	T	PLEX8	
4.84E-04	0|0	Cs3g13880.1/Cs3g138	5.21	0	0	2	MASCOT	T	PLEX8	
5.21E-02	0|0	Cs3g13880.1	6	0	0	2	MASCOT	T	PLEX8	
9.73E-04	0|0	Cs3g13880.1	6	0	0	2	MASCOT	T	PLEX8	
1.43E-01	0|0	Cs3g13880.1	6	0	0	2	MASCOT	T	PLEX8	
3.73E-02	0|0	Cs3g13880.1	6	0	0	2	MASCOT	T	PLEX8	
2.84E-02	0|0	Cs3g13880.1	6	0	0	2	MASCOT	T	PLEX8	
1.55E-03	0|0	Cs3g13880.1	6	0	0	2	MASCOT	T	PLEX8	
9.50E-02	0|0	Cs3g13880.1	6	0	0	2	MASCOT	T		
1.79E-01	0|0	Cs3g13880.1/Cs3g138	6.41	0	0	2	MASCOT	T	PLEX8	
1.70E-01	0|0	Cs3g13880.1/Cs3g138	6	0	0	2	MASCOT	T	PLEX8	
3.09E-01	0|0	Cs6g01060.1	8.8	0	0	2	MASCOT	T	PLEX8	
3.97E-03	0|0	Cs6g01060.1	6.05	0	0	2	MASCOT	T	PLEX8	
1.37E-01	0|0	Cs6g01060.1	6.05	0	0	2	MASCOT	T	PLEX8	
5.92E-02	0|0	Cs6g01060.1	6.05	0	0	2	MASCOT	T	PLEX8	
1.39E-02	0|0	Cs6g01060.1	6.05	0	0	2	MASCOT	T	PLEX8	
4.56E-02	0|0	Cs6g01060.1	6.05	0	0	2	MASCOT	T	PLEX8	
1.42E-01	0|0	Cs6g01060.1	4.53	0	0	2	MASCOT	T		
2.65E-02	0|0	Cs6g01060.1	4.53	0	0	2	MASCOT	T		
1.78E-04	0|0	Cs6g01060.1	6.75	0	0	2	MASCOT	T	PLEX8	
4.32E-03	0|0	Cs6g01060.1	6.75	0	0	2	MASCOT	T	PLEX8	
1.14E-02	0|0	Cs6g01060.1	6.75	0	0	2	MASCOT	T	PLEX8	
4.93E-01	0|0	Cs6g01060.1	8.5	0	0	2	MASCOT	T	PLEX8	
6.12E-03	0|0	Cs6g01060.1	6.74	0	0	2	MASCOT	T	PLEX8	
1.60E-02	0|0	Cs6g01060.1	6.74	0	0	2	MASCOT	T	PLEX8	
1.49E-03	0|0	Cs6g01060.1	6.74	0	0	2	MASCOT	T	PLEX8	
1.61E-04	0|0	Cs6g01060.1	6	0	0	2	MASCOT	T	PLEX8	
4.88E-02	0|0	Cs6g01060.1	6	0	0	2	MASCOT	T		
3.21E-01	0|0	Cs6g01060.1	6	0	0	2	MASCOT	T		
8.84E-03	0|0	Cs6g01060.1	7.96	0	0	2	MASCOT	T	PLEX8	
6.73E-02	0|0	Cs6g01060.1	7.96	0	0	2	MASCOT	T	PLEX8	
1.91E-01	0|0	Cs6g01060.1	7.96	0	0	2	MASCOT	T	PLEX8	
1.01E-01	0|0	Cs3g25110.1	6.74	0	0	2	MASCOT	T		
3.19E-04	0|0	Cs3g25110.1	9.75	0	0	2	MASCOT	T	PLEX8	
4.06E-02	0|0	Cs3g25110.1	9.75	0	0	2	MASCOT	T	PLEX8	
2.36E-02	0|0	Cs3g25110.1	9.75	0	0	2	MASCOT	T		
1.60E-04	0|0	Cs3g25110.1	9.75	0	0	2	MASCOT	T		
8.95E-03	0|0	Cs3g25110.1	5.32	0	0	2	MASCOT	T	PLEX8	
1.36E-02	0|0	Cs3g25110.1	5.32	0	0	2	MASCOT	T	PLEX8	
2.45E-02	0|0	Cs3g25110.1	5.32	0	0	2	MASCOT	T	PLEX8	

3.79E-02	0|0	Cs3g25110.1	5.32	0	0	2	MASCOT	T		
1.18E-01	0|0	Cs3g25110.1	8.72	0	0	2	MASCOT	T	PLEX8	
3.01E-02	0|0	Cs3g25110.1	8.72	0	0	2	MASCOT	T	PLEX8	
5.34E-04	0|0	Cs3g25110.1	6.84	0	0	2	MASCOT	T	PLEX8	
3.93E-04	0|0	Cs3g25110.1	6.84	0	0	2	MASCOT	T	PLEX8	
1.35E-01	0|0	Cs3g25110.1	6.84	0	0	2	MASCOT	T	PLEX8	
4.79E-02	0|0	Cs3g25110.1	9.75	0	0	2	MASCOT	T	PLEX8	
2.85E-02	0|0	Cs3g25110.1	4.37	0	0	2	MASCOT	T	PLEX8	
2.72E-07	0|0	Cs3g25110.1	4.37	0	0	2	MASCOT	T		
1.01E-02	0|0	Cs3g25110.1	5.5	0	0	2	MASCOT	T		
2.68E-02	0|0	Cs3g25110.1	5.5	0	0	2	MASCOT	T		
1.02E-02	0|0	Cs3g25110.1	5.5	0	0	2	MASCOT	T		
8.98E-03	0|0	Cs6g11370.1/Cs6g113	4.37	0	0	2	MASCOT	T		
1.03E-03	0|0	Cs6g11370.1/Cs6g113	4.37	0	0	2	MASCOT	T		
2.92E-03	0|0	Cs6g11370.1/Cs6g113	4.37	0	0	2	MASCOT	T		
6.15E-02	0|0	Cs6g11370.1/Cs6g113	4.37	0	0	2	MASCOT	T		
5.43E-02	0|0	Cs6g11370.1/Cs6g113	4.53	0	15.9	0	2	MASCOT	T	PLEX8
2.34E-02	0|0	Cs6g11370.1/Cs6g113	4.53	0	0	2	MASCOT	T	PLEX8	
4.35E-02	0|0	Cs6g11370.1/Cs6g113	4.37	0	0	2	MASCOT	T	PLEX8	
3.09E-02	0|0	Cs6g11370.1/Cs6g113	4.37	0	0	2	MASCOT	T	PLEX8	
6.31E-07	0|0	Cs6g11370.1/Cs6g113	4.37	0	0	2	MASCOT	T	PLEX8	
4.21E-01	0|0	Cs6g11370.1/Cs6g113	8.72	0	0	2	MASCOT	T	PLEX8	
4.86E-01	0|0	Cs6g11370.1/Cs6g113	8.72	0	0	2	MASCOT	T	PLEX8	
2.23E-03	0|0	Cs6g11370.1/Cs6g113	4.37	0	0	2	MASCOT	T	PLEX8	
8.92E-02	0|0	Cs6g11370.1/Cs6g113	5.83	0	0	2	MASCOT	T	PLEX8	
1.10E-01	0|0	Cs6g11370.1/Cs6g113	5.83	0	0	2	MASCOT	T	PLEX8	
3.98E-02	0|0	Cs6g11370.1/Cs6g113	5.83	0	0	2	MASCOT	T	PLEX8	
9.76E-03	0|0	Cs6g11370.1/Cs6g113	5.83	0	0	2	MASCOT	T	PLEX8	
1.81E-02	0|0	Cs6g11370.1/Cs6g113	5.83	0	0	2	MASCOT	T	PLEX8	
1.43E-02	0|0	Cs6g11370.1/Cs6g113	6	0	0	2	MASCOT	T	PLEX8	
6.06E-03	0|0	Cs6g11370.1/Cs6g113	4.48	0	0	2	MASCOT	T	PLEX8	
2.75E-03	0|0	Cs6g11370.1/Cs6g113	4.48	0	0	2	MASCOT	T	PLEX8	
4.53E-02	0|0	Cs6g17400.1/Cs6g174	6	0	0	2	MASCOT	T	PLEX8	
1.57E-01	0|0	Cs6g17400.1/Cs6g174	6	0	0	2	MASCOT	T	PLEX8	
3.09E-04	0|0	Cs6g17400.1/Cs6g174	6	0	0	2	MASCOT	T	PLEX8	
1.72E-02	0|0	Cs6g17400.1/Cs6g174	6	0	0	2	MASCOT	T	PLEX8	
4.52E-02	0|0	Cs6g17400.1/Cs6g174	6	0	0	2	MASCOT	T	PLEX8	
1.46E-02	0|0	Cs6g17400.1/Cs6g174	4.21	0	0	2	MASCOT	T	PLEX8	
3.71E-01	0|0	Cs6g17400.1/Cs6g174	8.76	0	0	2	MASCOT	T	PLEX8	
2.62E-02	0|0	Cs6g17400.1/Cs6g174	4.37	0	0	2	MASCOT	T	PLEX8	
3.29E-02	0|0	Cs6g17400.1/Cs6g174	4.37	0	0	2	MASCOT	T	PLEX8	
2.69E-02	0|0	Cs6g17400.1/Cs6g174	4.37	0	0	2	MASCOT	T		
8.90E-03	0|0	Cs6g17400.1/Cs6g174	4.37	0	0	2	MASCOT	T	PLEX8	
6.35E-04	0|0	Cs6g17400.1/Cs6g174	4.41	0	0	2	MASCOT	T	PLEX8	
1.34E-03	0|0	Cs6g17400.1/Cs6g174	8.75	0	0	2	MASCOT	T	PLEX8	
1.84E-01	0|0	Cs6g17400.1/Cs6g174	8.75	0	0	2	MASCOT	T	PLEX8	
5.28E-02	0|0	Cs6g17400.1/Cs6g174	4.14	0	0	2	MASCOT	T		
3.15E-02	0|0	Cs6g17400.1/Cs6g174	6.75	0	15.9	0	2	MASCOT	T	PLEX8
1.15E-03	0|0	Cs6g17400.1/Cs6g174	6.75	0	0	2	MASCOT	T	PLEX8	
2.27E-01	0|0	Cs6g17400.1/Cs6g174	6.75	0	0	2	MASCOT	T		
7.99E-02	0|0	Cs6g17400.1/Cs6g174	8.76	0	0	2	MASCOT	T	PLEX8	

3.35E-02	0|0	Cs6g17400.1/Cs6g174	8.76	0	0	2	MASCOT	T	PLEX8	
1.63E-02	0|0	Cs7g12700.1	4.32	0	0	2	MASCOT	T	PLEX8	
5.47E-02	0|0	Cs7g12700.1	4.32	0	0	2	MASCOT	T	PLEX8	
3.07E-03	0|0	Cs7g12700.1	4.21	0	0	2	MASCOT	T	PLEX8	
3.02E-02	0|0	Cs7g12700.1	6	0	0	2	MASCOT	T	PLEX8	
5.40E-04	0|0	Cs7g12700.1	6	0	0	2	MASCOT	T	PLEX8	
5.56E-02	0|0	Cs7g12700.1	6	0	0	2	MASCOT	T	PLEX8	
4.43E-04	0|0	Cs7g12700.1	6	0	0	2	MASCOT	T	PLEX8	
7.37E-04	0|0	Cs7g12700.1	6	0	0	2	MASCOT	T	PLEX8	
3.11E-02	0|0	Cs7g12700.1	6.74	0	0	2	MASCOT	T	PLEX8	
4.72E-02	0|0	Cs7g12700.1	4.37	0	0	2	MASCOT	T	PLEX8	
3.84E-01	0|0	Cs7g12700.1	4.37	0	0	2	MASCOT	T	PLEX8	
6.04E-02	0|0	Cs7g12700.1	4.37	0	0	2	MASCOT	T	PLEX8	
2.82E-01	0|0	Cs7g12700.1	6.05	0	0	2	MASCOT	T	PLEX8	
2.37E-01	0|0	Cs7g12700.1	4.53	0	0	2	MASCOT	T	PLEX8	
2.52E-01	0|0	Cs7g12700.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.82E-01	0|0	Cs7g12700.1	6	0	0	2	MASCOT	T	PLEX8	
2.38E-01	0|0	Cs7g12700.1	6	0	0	2	MASCOT	T	PLEX8	
2.02E-01	0|0	Cs7g12700.1	8.75	0	0	2	MASCOT	T	PLEX8	
4.61E-02	0|0	Cs7g12700.1	8.75	0	0	2	MASCOT	T	PLEX8	
2.10E-02	0|0	Cs7g12700.1	8.75	0	0	2	MASCOT	T	PLEX8	
1.08E-01	0|0	orange1.1t04328.1	9.8	0	0	2	MASCOT	T	PLEX8	
1.20E-04	0|0	orange1.1t04328.1	6.75	0	15.9	0	2	MASCOT	T	PLEX8
4.75E-02	0|0	orange1.1t04328.1	6.75	0	15.9	0	2	MASCOT	T	PLEX8
2.19E-06	0|0	orange1.1t04328.1	6.75	0	15.9	0	2	MASCOT	T	PLEX8
7.75E-06	0|0	orange1.1t04328.1	6.75	0	15.9	0	2	MASCOT	T	PLEX8
1.63E-02	0|0	orange1.1t04328.1	4.56	0	0	2	MASCOT	T	PLEX8	
4.22E-04	0|0	orange1.1t04328.1	5.84	0	0	2	MASCOT	T	PLEX8	
6.96E-02	0|0	orange1.1t04328.1	5.84	0	0	2	MASCOT	T	PLEX8	
1.84E-04	0|0	orange1.1t04328.1	5.84	0	0	2	MASCOT	T	PLEX8	
1.10E-01	0|0	orange1.1t04328.1	5.84	0	0	2	MASCOT	T	PLEX8	
2.21E-07	0|0	orange1.1t04328.1	8.75	0	0	2	MASCOT	T	PLEX8	
1.05E-02	0|0	orange1.1t04328.1	9.76	0	0	2	MASCOT	T	PLEX8	
7.82E-03	0|0	orange1.1t04328.1	9.76	0	0	2	MASCOT	T	PLEX8	
5.23E-02	0|0	orange1.1t04328.1	9.76	0	0	2	MASCOT	T	PLEX8	
3.10E-06	0|0	orange1.1t04328.1	9.76	0	0	2	MASCOT	T	PLEX8	
1.75E-01	0|0	orange1.1t04328.1	4.53	0	0	2	MASCOT	T	PLEX8	
4.09E-02	0|0	orange1.1t04328.1	4.53	0	0	2	MASCOT	T	PLEX8	
6.91E-02	0|0	orange1.1t04328.1	8.41	0	15.9	0	2	MASCOT	T	PLEX8
5.13E-02	0|0	orange1.1t04328.1	8.41	0	0	2	MASCOT	T	PLEX8	
1.14E-01	0|0	orange1.1t04328.1	6.73	0	0	2	MASCOT	T	PLEX8	
9.22E-02	0|0	Cs2g10870.1	4.25	0	0	2	MASCOT	T	PLEX8	
2.63E-02	0|0	Cs2g10870.1	6.07	1	0	2	MASCOT	T	PLEX8	
1.87E-02	0|0	Cs2g10870.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.70E-01	0|0	Cs2g10870.1	4.37	0	0	2	MASCOT	T	PLEX8	
5.46E-02	0|0	Cs2g10870.1	4.37	0	0	2	MASCOT	T	PLEX8	
2.75E-02	0|0	Cs2g10870.1	4.37	0	0	2	MASCOT	T	PLEX8	
3.70E-01	0|0	Cs2g10870.1	6	0	0	2	MASCOT	T	PLEX8	
6.40E-03	0|0	Cs2g10870.1	4.25	0	15.9	0	2	MASCOT	T	PLEX8
2.23E-02	0|0	Cs2g10870.1	6	0	0	2	MASCOT	T	PLEX8	
2.38E-04	0|0	Cs2g10870.1	8.25	0	0	2	MASCOT	T	PLEX8	

8.62E-05 0|0	Cs2g10870.1	8.25	0	0	2 MASCOT	T		
1.75E-03 0|0	Cs2g10870.1	8.75	0	0	2 MASCOT	T	PLEX8	
1.62E-02 0|0	Cs2g10870.1	8.75	0	0	2 MASCOT	T	PLEX8	
1.42E-03 0|0	Cs2g10870.1	8.75	0	0	2 MASCOT	T	PLEX8	
9.95E-03 0|0	Cs2g10870.1	8.31	0	0	2 MASCOT	T	PLEX8	
5.38E-04 0|0	Cs2g10870.1	8.31	0	0	2 MASCOT	T	PLEX8	
9.26E-02 0|0	Cs2g10870.1	8.31	0	0	2 MASCOT	T	PLEX8	
4.52E-03 0|0	Cs2g10870.1	8.31	0	0	2 MASCOT	T	PLEX8	
3.71E-03 0|0	Cs2g10870.1	8.31	0	0	2 MASCOT	T	PLEX8	
2.33E-01 0|0	Cs3g22150.1	5.21	0	0	2 MASCOT	T		
1.95E-02 0|0	Cs3g22150.1	5.5	0	0	2 MASCOT	T	PLEX8	
9.79E-04 0|0	Cs3g22150.1	5.5	0	0	2 MASCOT	T	PLEX8	
1.09E-01 0|0	Cs3g22150.1	8.75	0	0	2 MASCOT	T	PLEX8	
1.72E-02 0|0	Cs3g22150.1	4.25	0	0	2 MASCOT	T	PLEX8	
5.77E-04 0|0	Cs3g22150.1	5.84	0	0	2 MASCOT	T		
3.12E-03 0|0	Cs3g22150.1	5.84	0	0	2 MASCOT	T		
8.42E-04 0|0	Cs3g22150.1	5.84	0	0	2 MASCOT	T		
1.80E-02 0|0	Cs3g22150.1	4.53	0	0	2 MASCOT	T	PLEX8	
3.98E-02 0|0	Cs3g22150.1	4.53	0	0	2 MASCOT	T	PLEX8	
2.46E-02 0|0	Cs3g22150.1	4.53	0	0	2 MASCOT	T	PLEX8	
3.18E-02 0|0	Cs3g22150.1	4.53	0	0	2 MASCOT	T	PLEX8	
2.97E-02 0|0	Cs3g22150.1	4.53	0	0	2 MASCOT	T		
1.23E-01 0|0	Cs3g22150.1	8.75	0	0	2 MASCOT	T	PLEX8	
1.41E-01 0|0	Cs3g22150.1	4.37	0	0	2 MASCOT	T	PLEX8	
2.23E-03 0|0	Cs3g22150.1	4.37	0	0	2 MASCOT	T	PLEX8	
8.56E-02 0|0	Cs3g22150.1	4.37	0	0	2 MASCOT	T	PLEX8	
6.95E-03 0|0	Cs3g22150.1	4.43	0	0	2 MASCOT	T	PLEX8	
3.44E-03 0|0	Cs3g22150.1	4.43	0	0	2 MASCOT	T		
8.39E-03 0|0	Cs4g15520.1	8.22	0	0	2 MASCOT	T	PLEX8	
1.93E-06 0|0	Cs4g15520.1	5.4	0	0	2 MASCOT	T	PLEX8	
2.28E-02 0|0	Cs4g15520.1	5.4	0	0	2 MASCOT	T	PLEX8	
3.03E-02 0|0	Cs1g15840.2 ! Cs4g15	4.03	0	15.9	0	2 MASCOT	T	
1.79E-03 0|0	Cs1g15840.2 ! Cs4g15	4.03	0	0	2 MASCOT	T		
2.67E-03 0|0	Cs4g15520.1	5.3	0	0	2 MASCOT	T	PLEX8	
4.07E-01 0|0	Cs4g15520.1	5.3	0	0	2 MASCOT	T	PLEX8	
2.74E-01 0|0	Cs4g15520.1	8.8	0	0	2 MASCOT	T		
1.26E-03 0|0	Cs4g15520.1	8.75	0	0	2 MASCOT	T	PLEX8	
1.62E-01 0|0	Cs4g15520.1	8.75	0	0	2 MASCOT	T	PLEX8	
4.47E-02 0|0	Cs4g15520.1	8.75	0	0	2 MASCOT	T	PLEX8	
7.73E-03 0|0	Cs4g15520.1	10	1	0	2 MASCOT	T	PLEX8	
3.17E-01 0|0	Cs4g15520.1	5.84	0	0	2 MASCOT	T	PLEX8	
6.00E-02 0|0	Cs4g15520.1	5.84	0	0	2 MASCOT	T	PLEX8	
6.48E-02 0|0	Cs4g15520.1	5.84	0	0	2 MASCOT	T	PLEX8	
2.38E-03 0|0	Cs4g15520.1	5.84	0	0	2 MASCOT	T	PLEX8	
2.95E-03 0|0	Cs4g15520.1	5.84	0	0	2 MASCOT	T	PLEX8	
2.27E-02 0|0	Cs4g15520.1	4.65	0	0	2 MASCOT	T	PLEX8	
4.80E-03 0|0	Cs4g15520.1	4.65	0	0	2 MASCOT	T	PLEX8	
7.29E-04 0|0	Cs9g06800.1/Cs9g068	6.73	0	0	2 MASCOT	T	PLEX8	
9.19E-02 0|0	Cs9g06800.1/Cs9g068	5.84	0	0	2 MASCOT	T		
5.07E-02 0|0	Cs9g06800.1/Cs9g068	8.3	0	15.9	0	2 MASCOT	T	PLEX8
1.39E-06 0|0	Cs9g06800.1/Cs9g068	8.3	0	0	2 MASCOT	T	PLEX8	

7.15E-03	0|0	Cs9g06800.1/Cs9g068	9.8	0	0	2	MASCOT	T	PLEX8
4.11E-01	0|0	Cs9g06800.1/Cs9g068	4.37	0	0	2	MASCOT	T	PLEX8
5.14E-02	0|0	Cs9g06800.1/Cs9g068	4.37	0	0	2	MASCOT	T	PLEX8
5.58E-02	0|0	Cs9g06800.1/Cs9g068	4.37	0	0	2	MASCOT	T	PLEX8
1.26E-03	0|0	Cs9g06800.1/Cs9g068	4.09	0	0	2	MASCOT	T	PLEX8
5.53E-03	0|0	Cs9g06800.1/Cs9g068	4.09	0	0	2	MASCOT	T	PLEX8
1.60E-01	0|0	Cs9g06800.1/Cs9g068	4.09	0	0	2	MASCOT	T	PLEX8
2.15E-03	0|0	Cs9g06800.1/Cs9g068	4.09	0	0	2	MASCOT	T	PLEX8
4.45E-03	0|0	Cs9g06800.1/Cs9g068	4.09	0	0	2	MASCOT	T	PLEX8
2.11E-02	0|0	Cs9g06800.1/Cs9g068	4.54	0	0	2	MASCOT	T	PLEX8
1.83E-01	0|0	Cs9g06800.1/Cs9g068	6.71	0	0	2	MASCOT	T	PLEX8
6.43E-02	0|0	Cs9g06800.1/Cs9g068	6.71	0	0	2	MASCOT	T	PLEX8
2.37E-02	0|0	Cs9g06800.1/Cs9g068	5.21	0	0	2	MASCOT	T	PLEX8
1.51E-02	0|0	Cs9g06800.1/Cs9g068	5.21	0	0	2	MASCOT	T	PLEX8
1.50E-02	0|0	Cs9g06800.1/Cs9g068	5.21	0	0	2	MASCOT	T	PLEX8
9.84E-02	0|0	Cs5g10660.1/Cs5g106	4.53	0	0	2	MASCOT	T	PLEX8
2.84E-01	0|0	Cs5g10660.1/Cs5g106	4.53	0	0	2	MASCOT	T	PLEX8
4.36E-02	0|0	Cs5g10660.1/Cs5g106	4.53	0	0	2	MASCOT	T	PLEX8
5.73E-02	0|0	Cs5g10660.1/Cs5g106	4.53	0	0	2	MASCOT	T	PLEX8
2.00E-01	0|0	Cs5g10660.1/Cs5g106	8.63	0	0	2	MASCOT	T	PLEX8
9.54E-04	0|0	Cs5g10660.1	4.53	0	0	2	MASCOT	T	PLEX8
4.69E-02	0|0	Cs5g10660.1	4.53	0	0	2	MASCOT	T	PLEX8
4.73E-04	0|0	Cs5g10660.1	4.53	0	0	2	MASCOT	T	PLEX8
2.82E-02	0|0	Cs5g10660.1	4.53	0	0	2	MASCOT	T	PLEX8
2.56E-02	0|0	Cs5g10660.1	6.14	1	0	2	MASCOT	T	PLEX8
1.56E-03	0|0	Cs5g10660.1/Cs5g106	4.03	0	0	2	MASCOT	T	PLEX8
9.99E-03	0|0	Cs5g10660.1/Cs5g106	5.3	0	0	2	MASCOT	T	PLEX8
2.48E-03	0|0	Cs5g10660.1/Cs5g106	5.3	0	0	2	MASCOT	T	PLEX8
1.08E-03	0|0	Cs5g10660.1/Cs5g106	5.3	0	0	2	MASCOT	T	PLEX8
5.01E-02	0|0	Cs5g10660.1/Cs5g106	6	0	0	2	MASCOT	T	PLEX8
2.58E-02	0|0	Cs5g10660.1/Cs5g106	6	0	0	2	MASCOT	T	PLEX8
5.13E-02	0|0	Cs5g10660.1/Cs5g106	4	0	0	2	MASCOT	T	PLEX8
2.04E-05	0|0	Cs5g10660.1/Cs5g106	5.84	0	0	2	MASCOT	T	PLEX8
4.99E-03	0|0	Cs7g01810.1	5.88	0	0	2	MASCOT	T	PLEX8
9.43E-02	0|0	Cs7g01810.1	4.37	0	0	2	MASCOT	T	PLEX8
4.89E-03	0|0	Cs7g01810.1	4.53	0	0	2	MASCOT	T	PLEX8
1.13E-02	0|0	Cs7g01810.1	4.53	0	0	2	MASCOT	T	PLEX8
2.65E-03	0|0	Cs7g01810.1	4.53	0	0	2	MASCOT	T	PLEX8
1.52E-01	0|0	Cs7g01810.1	4.53	0	0	2	MASCOT	T	PLEX8
5.20E-02	0|0	Cs7g01810.1	6.75	0	0	2	MASCOT	T	PLEX8
6.11E-04	0|0	Cs7g01810.1	6.75	0	0	2	MASCOT	T	PLEX8
1.59E-03	0|0	Cs7g01810.1	6.75	0	0	2	MASCOT	T	PLEX8
1.74E-03	0|0	Cs7g01810.1	6.75	0	0	2	MASCOT	T	PLEX8
1.22E-01	0|0	Cs7g01810.1	8.5	1	0	2	MASCOT	T	PLEX8
3.08E-02	0|0	Cs7g01810.1	4	0	0	2	MASCOT	T	PLEX8
9.18E-03	0|0	Cs7g01810.1	4	0	0	2	MASCOT	T	PLEX8
1.96E-02	0|0	Cs7g01810.1	6.75	0	0	2	MASCOT	T	PLEX8
2.83E-02	0|0	Cs7g01810.1	6.75	0	0	2	MASCOT	T	PLEX8
2.61E-01	0|0	Cs7g01810.1	5.84	0	0	2	MASCOT	T	PLEX8
3.14E-03	0|0	Cs7g01810.1	5.97	0	0	2	MASCOT	T	PLEX8
1.97E-01	0|0	Cs7g01810.1	5.97	0	0	2	MASCOT	T	PLEX8

8.53E-02	0|0	Cs7g06690.1	9.76	0	15.9	0	2	MASCOT	T	PLEX8
4.10E-03	0|0	Cs7g06690.1	9.76	0		0	2	MASCOT	T	PLEX8
1.59E-01	0|0	Cs7g06680.1/Cs7g066	5.84	0		0	2	MASCOT	T	PLEX8
2.21E-01	0|0	Cs7g06680.1/Cs7g066	5.84	0		0	2	MASCOT	T	PLEX8
4.97E-02	0|0	Cs7g06680.1/Cs7g066	4.37	0		0	2	MASCOT	T	PLEX8
1.51E-02	0|0	Cs7g06680.1/Cs7g066	4.41	1		0	2	MASCOT	T	PLEX8
3.09E-06	0|0	Cs7g06680.1/Cs7g066	4.41	1		0	2	MASCOT	T	PLEX8
1.21E-02	0|0	Cs7g06680.1/Cs7g066	4.41	1		0	2	MASCOT	T	PLEX8
4.00E-03	0|0	Cs7g06680.1/Cs7g066	4.41	1		0	2	MASCOT	T	PLEX8
1.26E-01	0|0	Cs7g06690.1	4.25	0		0	2	MASCOT	T	
1.37E-04	0|0	Cs7g06690.1	4.25	0		0	2	MASCOT	T	
1.28E-01	0|0	Cs7g06690.1	4.25	0		0	2	MASCOT	T	
9.10E-02	0|0	Cs7g06680.1/Cs7g066	6	0		0	2	MASCOT	T	PLEX8
1.34E-02	0|0	Cs7g06690.1	8.75	0		0	2	MASCOT	T	PLEX8
3.53E-01	0|0	Cs7g06680.1/Cs7g066	8.24	0		0	2	MASCOT	T	PLEX8
2.12E-01	0|0	Cs7g06680.1/Cs7g066	8.24	0		0	2	MASCOT	T	PLEX8
2.76E-01	0|0	Cs7g06680.1/Cs7g066	8.24	0		0	2	MASCOT	T	PLEX8
6.39E-03	0|0	Cs7g06690.1	4.37	0		0	2	MASCOT	T	PLEX8
1.63E-02	0|0	Cs7g22890.1	4.65	0		0	2	MASCOT	T	
1.72E-01	0|0	Cs7g22890.1	5.97	0		0	2	MASCOT	T	PLEX8
9.65E-03	0|0	Cs7g22890.1	4.37	0		0	2	MASCOT	T	PLEX8
1.88E-02	0|0	Cs7g22890.1	4.37	0		0	2	MASCOT	T	PLEX8
1.35E-02	0|0	Cs7g22890.1	4.37	0		0	2	MASCOT	T	PLEX8
6.08E-03	0|0	Cs7g22890.1	4.37	0		0	2	MASCOT	T	PLEX8
5.46E-04	0|0	Cs7g22890.1	4.37	0		0	2	MASCOT	T	PLEX8
2.07E-03	0|0	Cs7g22890.1	4.37	0		0	2	MASCOT	T	PLEX8
9.26E-02	0|0	Cs7g22890.1	8.61	0		0	2	MASCOT	T	PLEX8
2.02E-03	0|0	Cs7g22890.1	6.74	0		0	2	MASCOT	T	PLEX8
2.31E-02	0|0	Cs7g22890.1	8.76	0		0	2	MASCOT	T	PLEX8
2.08E-04	0|0	Cs7g22890.1	8.76	0		0	2	MASCOT	T	PLEX8
5.75E-02	0|0	Cs7g22890.1	5.72	0		0	2	MASCOT	T	PLEX8
1.11E-01	0|0	Cs7g22890.1	5.72	0		0	2	MASCOT	T	PLEX8
3.58E-02	0|0	Cs7g22890.1	5.72	0		0	2	MASCOT	T	PLEX8
1.24E-03	0|0	Cs7g22890.1	5.84	0		0	2	MASCOT	T	
4.80E-03	0|0	Cs7g22890.1	5.84	0		0	2	MASCOT	T	
1.14E-02	0|0	Cs7g22890.1	5.84	0		0	2	MASCOT	T	
2.73E-02	0|0	Cs3g24700.1/Cs3g247	7.01	0		0	2	MASCOT	T	PLEX8
2.68E-05	0|0	Cs3g24700.1/Cs3g247	6	0		0	2	MASCOT	T	PLEX8
4.61E-03	0|0	Cs3g24700.1/Cs3g247	6	0		0	2	MASCOT	T	PLEX8
5.08E-02	0|0	Cs3g24700.1/Cs3g247	6	0		0	2	MASCOT	T	
3.67E-05	0|0	Cs3g24700.1/Cs3g247	6	0		0	2	MASCOT	T	PLEX8
2.53E-04	0|0	Cs3g24700.1/Cs3g247	6	0		0	2	MASCOT	T	PLEX8
1.18E-01	0|0	Cs3g24700.1/Cs3g247	8.31	0		0	2	MASCOT	T	PLEX8
2.55E-01	0|0	Cs3g24700.1/Cs3g247	8.31	0		0	2	MASCOT	T	PLEX8
1.05E-01	0|0	Cs3g24700.1/Cs3g247	5.66	0		0	2	MASCOT	T	
1.77E-03	0|0	Cs3g24700.1/Cs3g247	6.05	0		0	2	MASCOT	T	PLEX8
2.22E-02	0|0	Cs3g24700.1/Cs3g247	6.05	0		0	2	MASCOT	T	PLEX8
4.96E-02	0|0	Cs3g24700.1/Cs3g247	3.93	0		0	2	MASCOT	T	
4.37E-04	0|0	Cs3g24700.1/Cs3g247	4.21	0		0	2	MASCOT	T	PLEX8
1.78E-01	0|0	Cs3g24700.1/Cs3g247	4.21	0		0	2	MASCOT	T	
2.73E-01	0|0	Cs3g24700.1/Cs3g247	9.49	0		0	2	MASCOT	T	PLEX8

9.16E-02	0|0	Cs3g24700.1/Cs3g247	5.8	0	0	2	MASCOT	T	PLEX8	
3.97E-02	0|0	Cs3g24700.1/Cs3g247	5.8	0	0	2	MASCOT	T	PLEX8	
4.44E-04	0|0	Cs4g08260.1/Cs4g082	4.25	0	0	2	MASCOT	T	PLEX8	
5.55E-04	0|0	Cs4g08260.1/Cs4g082	4.25	0	0	2	MASCOT	T	PLEX8	
1.43E-03	0|0	Cs4g08260.1/Cs4g082	4.25	0	0	2	MASCOT	T	PLEX8	
2.39E-03	0|0	Cs4g08260.1/Cs4g082	4.25	0	0	2	MASCOT	T	PLEX8	
3.16E-02	0|0	Cs4g08260.1/Cs4g082	6.1	0	0	2	MASCOT	T	PLEX8	
1.59E-02	0|0	Cs4g08260.1/Cs4g082	6.75	0	0	2	MASCOT	T	PLEX8	
2.33E-04	0|0	Cs4g08260.1/Cs4g082	4.1	0	0	2	MASCOT	T	PLEX8	
9.39E-05	0|0	Cs4g08260.1/Cs4g082	4.1	0	0	2	MASCOT	T	PLEX8	
2.17E-01	0|0	Cs4g08260.1/Cs4g082	6.47	0	0	2	MASCOT	T	PLEX8	
1.18E-03	0|0	Cs4g08260.1/Cs4g082	5.81	0	0	2	MASCOT	T		
3.36E-02	0|0	Cs4g08260.1/Cs4g082	4.03	0	0	2	MASCOT	T	PLEX8	
9.05E-03	0|0	Cs4g08260.1/Cs4g082	8.75	0	0	2	MASCOT	T	PLEX8	
1.64E-03	0|0	Cs4g08260.1/Cs4g082	8.75	0	0	2	MASCOT	T	PLEX8	
1.10E-02	0|0	Cs4g08260.1/Cs4g082	8.75	0	0	2	MASCOT	T	PLEX8	
2.66E-01	0|0	Cs4g08260.1/Cs4g082	5.59	0	0	2	MASCOT	T	PLEX8	
1.21E-02	0|0	Cs4g08260.1/Cs4g082	5.59	0	0	2	MASCOT	T	PLEX8	
8.15E-02	0|0	Cs4g08260.1/Cs4g082	5.59	0	0	2	MASCOT	T	PLEX8	
3.77E-02	0|0	Cs1g10550.1/Cs4g042	8.8	0	0	2	MASCOT	T	PLEX8	
1.08E-01	0|0	Cs1g10550.1/Cs4g042	8.8	0	0	2	MASCOT	T	PLEX8	
1.52E-01	0|0	Cs1g10550.1/Cs4g042	6.1	0	0	2	MASCOT	T	PLEX8	
1.02E-02	0|0	Cs1g10550.1/Cs4g042	6.1	0	0	2	MASCOT	T	PLEX8	
2.23E-02	0|0	Cs1g10550.1/Cs1g105	4.37	0	0	2	MASCOT	T	PLEX8	
1.85E-01	0|0	Cs1g10550.1/Cs1g105	5.84	0	0	2	MASCOT	T	PLEX8	
5.28E-03	0|0	Cs1g10550.1 ! Cs1g10	4.37	0	0	2	MASCOT	T	PLEX8	
4.47E-02	0|0	Cs1g10550.1/Cs1g105	4.53	0	0	2	MASCOT	T	PLEX8	
3.93E-03	0|0	Cs1g10550.1/Cs4g042	5.32	0	0	2	MASCOT	T	PLEX8	
1.01E-02	0|0	Cs1g10550.1/Cs4g042	5.32	0	0	2	MASCOT	T		
1.03E-01	0|0	Cs1g10550.1/Cs1g105	8.75	0	0	2	MASCOT	T	PLEX8	
5.74E-04	0|0	Cs1g10550.1/Cs1g105	8.75	0	0	2	MASCOT	T	PLEX8	
3.45E-02	0|0	Cs1g10550.1/Cs1g105	8.75	0	0	2	MASCOT	T	PLEX8	
2.10E-04	0|0	Cs1g10550.1/Cs1g105	5.97	0	0	2	MASCOT	T	PLEX8	
1.95E-02	0|0	Cs1g10550.1/Cs1g105	5.97	0	0	2	MASCOT	T	PLEX8	
3.56E-03	0|0	Cs1g10550.1/Cs1g105	5.97	0	0	2	MASCOT	T	PLEX8	
5.56E-02	0|0	Cs6g17600.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.79E-01	0|0	Cs6g17600.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.31E-01	0|0	Cs6g17600.1	4.21	0	0	2	MASCOT	T	PLEX8	
7.67E-03	0|0	Cs6g17600.1	11	1	0	2	MASCOT	T	PLEX8	
3.33E-03	0|0	Cs6g17600.1	11	1	0	2	MASCOT	T	PLEX8	
1.77E-01	0|0	Cs6g17600.1	4.37	0	0	2	MASCOT	T		
1.71E-03	0|0	Cs6g17600.1	4.37	0	0	2	MASCOT	T		
8.69E-03	0|0	Cs6g17600.1	4.37	0	0	2	MASCOT	T		
4.83E-03	0|0	Cs6g17600.1	4.37	0	0	2	MASCOT	T		
1.72E-01	0|0	Cs6g17600.1	8.49	0	0	2	MASCOT	T	PLEX8	
1.43E-01	0|0	Cs6g17600.1	8.49	0	0	2	MASCOT	T	PLEX8	
3.22E-03	0|0	Cs6g17600.1	8.49	0	0	2	MASCOT	T	PLEX8	
1.99E-03	0|0	Cs6g17600.1	5.24	0	0	2	MASCOT	T		
7.52E-04	0|0	Cs6g17600.1	6	0	15.9	0	2	MASCOT	T	
1.86E-02	0|0	Cs6g17600.1	9.75	0	0	2	MASCOT	T		
1.54E-01	0|0	Cs6g17600.1	8.75	0	0	2	MASCOT	T	PLEX8	

1.93E-03	0|0	Cs1g20020.1	4.14	0	0	2	MASCOT	T
1.02E-01	0|0	Cs1g20020.1/Cs1g200	5.84	0	0	2	MASCOT	T
6.51E-03	0|0	Cs1g20020.1/Cs1g200	5.84	0	0	2	MASCOT	T
1.23E-02	0|0	Cs1g20020.1	3.9	0	0	2	MASCOT	T PLEX8
2.22E-02	0|0	Cs1g20020.1/Cs1g200	5.84	0	0	2	MASCOT	T PLEX8
1.10E-01	0|0	Cs1g20020.1/Cs1g200	5.82	0	0	2	MASCOT	T PLEX8
1.57E-01	0|0	Cs1g20020.1/Cs1g200	6	0	15.9	0	2	MASCOT T PLEX8
3.85E-02	0|0	Cs1g20020.1/Cs1g200	6	0	0	2	MASCOT	T
8.03E-02	0|0	Cs1g20020.1/Cs1g200	6.75	0	15.9	0	2	MASCOT T PLEX8
5.39E-03	0|0	Cs1g20020.1/Cs1g200	6.75	0	0	2	MASCOT	T PLEX8
4.23E-02	0|0	Cs1g20020.1/Cs1g200	6	0	0	2	MASCOT	T PLEX8
3.71E-02	0|0	Cs1g20020.1/Cs1g200	6	0	0	2	MASCOT	T PLEX8
8.39E-02	0|0	Cs1g20020.1/Cs1g200	5.32	0	0	2	MASCOT	T PLEX8
1.31E-07	0|0	Cs1g20020.1/Cs1g200	5.32	0	0	2	MASCOT	T PLEX8
1.18E-06	0|0	Cs1g20020.1/Cs1g200	5.32	0	0	2	MASCOT	T PLEX8
2.32E-01	0|0	Cs2g12440.1/Cs2g124	6.74	0	0	2	MASCOT	T PLEX8
2.40E-01	0|0	Cs2g12440.1/Cs2g124	6	0	0	2	MASCOT	T PLEX8
7.68E-02	0|0	Cs2g12440.1/Cs2g124	6	0	0	2	MASCOT	T PLEX8
1.22E-02	0|0	Cs2g12440.1/Cs2g124	4.68	1	0	2	MASCOT	T PLEX8
3.40E-03	0|0	Cs2g12440.1/Cs2g124	4.31	0	0	2	MASCOT	T PLEX8
2.22E-01	0|0	Cs2g12430.1/Cs2g124	5.55	0	0	2	MASCOT	T PLEX8
4.97E-02	0|0	Cs2g12440.1/Cs2g124	9.76	0	0	2	MASCOT	T
8.95E-02	0|0	Cs2g12440.1/Cs2g124	9.76	0	0	2	MASCOT	T
9.89E-02	0|0	Cs2g12440.1/Cs2g124	6	0	0	2	MASCOT	T PLEX8
6.46E-02	0|0	Cs2g12440.1/Cs2g124	4.37	0	0	2	MASCOT	T PLEX8
1.48E-02	0|0	Cs2g12440.1/Cs2g124	4.37	0	0	2	MASCOT	T PLEX8
1.28E-01	0|0	Cs2g12440.1/Cs2g124	6.71	0	0	2	MASCOT	T PLEX8
4.54E-07	0|0	Cs2g12440.1/Cs2g124	6.71	0	0	2	MASCOT	T PLEX8
1.01E-04	0|0	Cs2g12440.1/Cs2g124	6.71	0	0	2	MASCOT	T PLEX8
4.25E-04	0|0	Cs2g12440.1/Cs2g124	6.71	0	0	2	MASCOT	T PLEX8
2.45E-01	0|0	Cs6g09520.1	4.53	0	0	2	MASCOT	T PLEX8
4.78E-01	0|0	Cs6g09520.1	4	0	0	2	MASCOT	T PLEX8
1.76E-02	0|0	Cs6g09520.1	4.37	0	0	2	MASCOT	T
1.56E-01	0|0	Cs6g09520.1	4.37	0	0	2	MASCOT	T
4.26E-02	0|0	Cs6g09520.1	9.73	0	0	2	MASCOT	T PLEX8
1.32E-02	0|0	Cs6g09520.1	8.75	0	0	2	MASCOT	T PLEX8
2.87E-02	0|0	Cs6g09520.1	9.8	0	0	2	MASCOT	T PLEX8
3.99E-03	0|0	Cs6g09520.1	9.8	0	0	2	MASCOT	T PLEX8
3.83E-02	0|0	Cs6g09520.1	9.8	0	0	2	MASCOT	T PLEX8
1.58E-01	0|0	Cs6g09520.1	9.8	0	0	2	MASCOT	T PLEX8
1.66E-01	0|0	Cs6g09520.1	6.75	0	0	2	MASCOT	T
1.36E-01	0|0	Cs6g09520.1	4.41	0	0	2	MASCOT	T
1.55E-02	0|0	Cs6g09520.1	4.41	0	0	2	MASCOT	T
3.24E-02	0|0	Cs6g09520.1	5.97	0	0	2	MASCOT	T PLEX8
5.77E-02	0|0	orange1.1t01782.1/ora	8.8	0	0	2	MASCOT	T PLEX8
3.20E-02	0|0	orange1.1t01782.1/ora	8.8	0	0	2	MASCOT	T PLEX8
2.12E-02	0|0	orange1.1t01782.1/ora	5.84	0	0	2	MASCOT	T
1.21E-02	0|0	orange1.1t01782.1/ora	4	0	0	2	MASCOT	T
2.65E-03	0|0	orange1.1t01782.1/ora	4	0	0	2	MASCOT	T
2.38E-02	0|0	orange1.1t01782.1/ora	9.76	0	0	2	MASCOT	T PLEX8
3.00E-01	0|0	orange1.1t01782.1/ora	9.76	0	0	2	MASCOT	T

5.19E-02	0|0	orange1.1t01782.1/ora	9.76	0	0	2	MASCOT	T	PLEX8
1.09E-01	0|0	orange1.1t01782.1/ora	9.75	0	0	2	MASCOT	T	PLEX8
6.27E-02	0|0	orange1.1t01782.1/ora	4.41	1	0	2	MASCOT	T	PLEX8
7.36E-03	0|0	orange1.1t01782.1/ora	6	0	0	2	MASCOT	T	PLEX8
1.28E-02	0|0	orange1.1t01782.1/ora	4.14	0	0	2	MASCOT	T	PLEX8
6.22E-03	0|0	orange1.1t01782.1/ora	4.14	0	0	2	MASCOT	T	PLEX8
2.74E-01	0|0	orange1.1t01782.1/ora	4.14	0	0	2	MASCOT	T	PLEX8
2.25E-01	0|0	orange1.1t02270.1	8.8	0	0	2	MASCOT	T	PLEX8
1.30E-02	0|0	orange1.1t02270.1	4.53	0	0	2	MASCOT	T	PLEX8
1.60E-02	0|0	orange1.1t02270.1	4.53	0	0	2	MASCOT	T	PLEX8
4.00E-01	0|0	orange1.1t02270.1	4.53	0	0	2	MASCOT	T	PLEX8
1.32E-02	0|0	orange1.1t02270.1	6	0	0	2	MASCOT	T	
9.84E-02	0|0	orange1.1t02270.1/ora	6.74	0	0	2	MASCOT	T	PLEX8
1.38E-02	0|0	orange1.1t02270.1/ora	6.74	0	0	2	MASCOT	T	PLEX8
2.33E-01	0|0	orange1.1t02270.1/ora	6.74	0	0	2	MASCOT	T	PLEX8
5.88E-03	0|0	orange1.1t02270.1	4.02	1	0	2	MASCOT	T	PLEX8
6.51E-02	0|0	orange1.1t02270.1/ora	8.6	0	0	2	MASCOT	T	PLEX8
7.91E-02	0|0	orange1.1t02270.1	6	0	0	2	MASCOT	T	PLEX8
3.82E-02	0|0	orange1.1t02270.1	5.72	0	0	2	MASCOT	T	PLEX8
7.80E-03	0|0	orange1.1t02270.1	6.41	0	0	2	MASCOT	T	PLEX8
3.32E-01	0|0	orange1.1t02270.1	6.41	0	0	2	MASCOT	T	
1.51E-02	0|0	Cs2g02090.1	5.32	0	0	2	MASCOT	T	PLEX8
1.20E-03	0|0	Cs2g02090.1	5.32	0	0	2	MASCOT	T	PLEX8
9.33E-04	0|0	Cs2g02090.1	5.32	0	0	2	MASCOT	T	PLEX8
3.20E-02	0|0	Cs2g02090.1	4.37	0	0	2	MASCOT	T	PLEX8
2.04E-03	0|0	Cs2g02090.1	4.21	0	0	2	MASCOT	T	PLEX8
2.82E-03	0|0	Cs2g02090.1	4.21	0	0	2	MASCOT	T	PLEX8
6.70E-04	0|0	Cs2g02090.1	4.03	0	0	2	MASCOT	T	PLEX8
1.55E-02	0|0	Cs2g02090.1/Cs2g199	4.21	0	0	2	MASCOT	T	
5.80E-03	0|0	Cs2g02090.1	5.72	0	0	2	MASCOT	T	PLEX8
1.97E-02	0|0	Cs2g02090.1	5.97	0	0	2	MASCOT	T	PLEX8
3.31E-02	0|0	Cs2g02090.1	5.97	0	0	2	MASCOT	T	PLEX8
1.26E-02	0|0	Cs2g02090.1	7.74	0	0	2	MASCOT	T	
4.18E-02	0|0	Cs2g02090.1	8.73	0	0	2	MASCOT	T	PLEX8
1.11E-02	0|0	Cs4g15600.1/Cs4g156	5.32	0	0	2	MASCOT	T	PLEX8
2.19E-04	0|0	Cs4g15600.1/Cs4g156	5.88	0	0	2	MASCOT	T	PLEX8
2.94E-02	0|0	Cs4g15600.1/Cs4g156	8.6	0	0	2	MASCOT	T	PLEX8
4.59E-02	0|0	Cs4g15600.1/Cs4g156	8.75	0	0	2	MASCOT	T	PLEX8
4.48E-02	0|0	Cs4g15600.1/Cs4g156	8.75	0	0	2	MASCOT	T	PLEX8
2.47E-02	0|0	Cs4g15600.1/Cs4g156	4.53	0	0	2	MASCOT	T	PLEX8
1.42E-01	0|0	Cs4g15600.1/Cs4g156	5.81	0	0	2	MASCOT	T	PLEX8
4.90E-02	0|0	Cs4g15600.1/Cs4g156	5.81	0	0	2	MASCOT	T	PLEX8
2.44E-02	0|0	Cs4g15600.1/Cs4g156	5.81	0	0	2	MASCOT	T	PLEX8
2.33E-02	0|0	Cs4g15600.1/Cs4g156	4.53	0	0	2	MASCOT	T	
1.63E-01	0|0	Cs4g15600.1/Cs4g156	4.03	0	0	2	MASCOT	T	PLEX8
4.92E-04	0|0	Cs4g15600.1/Cs4g156	4.03	0	0	2	MASCOT	T	PLEX8
5.33E-02	0|0	Cs4g15600.1/Cs4g156	4.53	0	0	2	MASCOT	T	
3.25E-01	0|0	Cs5g09400.1/Cs5g094	8.76	0	0	2	MASCOT	T	PLEX8
3.71E-01	0|0	Cs5g09400.1/Cs5g094	5.83	0	0	2	MASCOT	T	PLEX8
2.85E-02	0|0	Cs5g09400.1/Cs5g094	5.83	0	0	2	MASCOT	T	PLEX8
5.17E-03	0|0	Cs5g09400.1/Cs5g094	8.72	0	0	2	MASCOT	T	PLEX8

1.12E-01	0|0	Cs5g09400.1/Cs5g094	4.53	0	0	2	MASCOT	T	PLEX8	
6.50E-06	0|0	Cs5g09400.1/Cs5g094	4.03	0	0	2	MASCOT	T		
8.12E-02	0|0	Cs5g09400.1/Cs5g094	5.32	0	0	2	MASCOT	T	PLEX8	
1.19E-01	0|0	Cs5g09400.1/Cs5g094	5.32	0	0	2	MASCOT	T	PLEX8	
2.04E-01	0|0	Cs5g09400.1/Cs5g094	4.53	0	0	2	MASCOT	T	PLEX8	
3.99E-01	0|0	Cs5g09400.1/Cs5g094	4.53	0	0	2	MASCOT	T	PLEX8	
1.18E-01	0|0	Cs5g09400.1/Cs5g094	4.53	0	0	2	MASCOT	T	PLEX8	
4.31E-02	0|0	Cs5g09400.1/Cs5g094	5.4	0	0	2	MASCOT	T		
1.29E-01	0|0	Cs5g09400.1/Cs5g094	6.14	1	0	2	MASCOT	T		
1.25E-01	0|0	Cs8g20750.1/Cs8g207	8.54	0	0	2	MASCOT	T	PLEX8	
1.27E-02	0|0	Cs8g20750.1/Cs8g207	8.54	0	0	2	MASCOT	T	PLEX8	
3.84E-02	0|0	Cs8g20750.1/Cs8g207	8.54	0	0	2	MASCOT	T	PLEX8	
1.34E-02	0|0	Cs8g20750.1/Cs8g207	8.54	0	0	2	MASCOT	T	PLEX8	
1.03E-02	0|0	Cs8g20750.1/Cs8g207	6.74	0	0	2	MASCOT	T		
1.16E-01	0|0	Cs8g20750.1/Cs8g207	5.84	0	0	2	MASCOT	T	PLEX8	
1.63E-01	0|0	Cs8g20750.1/Cs8g207	4.14	0	0	2	MASCOT	T	PLEX8	
6.95E-02	0|0	Cs8g20750.1/Cs8g207	4.14	0	0	2	MASCOT	T	PLEX8	
1.03E-03	0|0	Cs8g20750.1/Cs8g207	4.14	0	0	2	MASCOT	T		
1.29E-02	0|0	Cs8g20750.1/Cs8g207	5.83	0	0	2	MASCOT	T		
4.54E-02	0|0	Cs8g20750.1/Cs8g207	10	1	0	2	MASCOT	T		
2.95E-01	0|0	Cs8g20750.1/Cs8g207	5.32	0	0	2	MASCOT	T	PLEX8	
1.22E-01	0|0	Cs8g20750.1/Cs8g207	6.41	0	0	2	MASCOT	T	PLEX8	
1.75E-05	0|0	Cs1g25730.1	4.22	0	0	2	MASCOT	T	PLEX8	
1.38E-03	0|0	Cs1g25730.1/Cs8g027	6.74	0	0	2	MASCOT	T	PLEX8	
1.37E-02	0|0	Cs1g25730.1	4.5	1	0	2	MASCOT	T		
1.03E-01	0|0	Cs1g25730.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.45E-03	0|0	Cs1g25730.1	6	0	0	2	MASCOT	T	PLEX8	
1.35E-01	0|0	Cs1g25730.1	4.37	0	0	2	MASCOT	T	PLEX8	
5.07E-02	0|0	Cs1g25730.1/Cs8g027	6.79	0	0	2	MASCOT	T		
9.27E-03	0|0	Cs1g25730.1/Cs8g027	6.5	1	15.9	0	2	MASCOT	T	
3.54E-02	0|0	Cs1g25730.1/Cs8g027	6.5	1	15.9	0	2	MASCOT	T	PLEX8
6.35E-02	0|0	Cs1g25730.1	5.5	0	0	2	MASCOT	T	PLEX8	
3.89E-02	0|0	Cs1g25730.1	5.5	0	0	2	MASCOT	T		
9.85E-02	0|0	Cs1g25730.1	5.5	0	0	2	MASCOT	T		
2.21E-02	0|0	Cs4g16080.1/Cs4g160	6.05	0	15.9	0	2	MASCOT	T	PLEX8
5.73E-02	0|0	Cs4g16080.1/Cs4g160	6.05	0	15.9	0	2	MASCOT	T	PLEX8
2.21E-01	0|0	Cs4g16080.1/Cs4g160	4.53	0	0	2	MASCOT	T	PLEX8	
1.87E-01	0|0	Cs4g16080.1/Cs4g160	6	0	0	2	MASCOT	T	PLEX8	
1.68E-01	0|0	Cs4g16080.1/Cs4g160	4.53	0	0	2	MASCOT	T	PLEX8	
2.27E-01	0|0	Cs4g16080.1/Cs4g160	4.53	0	0	2	MASCOT	T	PLEX8	
1.92E-01	0|0	Cs4g16080.1/Cs4g160	6	0	0	2	MASCOT	T	PLEX8	
5.43E-03	0|0	Cs4g16080.1/Cs4g160	8.72	0	0	2	MASCOT	T	PLEX8	
2.18E-03	0|0	Cs4g16080.1/Cs4g160	8.72	0	0	2	MASCOT	T	PLEX8	
1.72E-01	0|0	Cs4g16080.1/Cs4g160	9.76	0	0	2	MASCOT	T	PLEX8	
1.58E-02	0|0	Cs4g16080.1/Cs4g160	5.55	0	0	2	MASCOT	T	PLEX8	
2.27E-02	0|0	Cs4g16080.1/Cs4g160	5.5	0	0	2	MASCOT	T		
4.71E-03	0|0	Cs9g04230.1	5.88	0	0	2	MASCOT	T		
3.98E-01	0|0	Cs9g04230.1	9.8	0	0	2	MASCOT	T	PLEX8	
8.41E-02	0|0	Cs9g04230.1	4.56	0	0	2	MASCOT	T	PLEX8	
6.71E-04	0|0	Cs5g33220.1/Cs9g042	4.37	0	0	2	MASCOT	T	PLEX8	
1.69E-01	0|0	Cs5g33220.1/Cs9g042	4.37	0	0	2	MASCOT	T	PLEX8	

2.34E-01	0|0	Cs5g33220.1/Cs9g042	4.37	0	0	2	MASCOT	T	PLEX8	
1.92E-01	0|0	Cs9g04230.1	5.84	0	0	2	MASCOT	T	PLEX8	
6.85E-02	0|0	Cs9g04230.1	6.75	0	0	2	MASCOT	T	PLEX8	
3.31E-03	0|0	Cs9g04230.1	4.65	0	15.9	0	2	MASCOT	T	PLEX8
8.27E-04	0|0	Cs9g04230.1	8.75	0	0	2	MASCOT	T	PLEX8	
9.99E-04	0|0	Cs9g04230.1	8.75	0	0	2	MASCOT	T	PLEX8	
3.72E-03	0|0	Cs9g04230.1	5.84	0	0	2	MASCOT	T		
6.22E-03	0|0	Cs1g11870.1/Cs4g013	5.32	0	0	2	MASCOT	T	PLEX8	
6.52E-03	0|0	Cs1g11870.1/Cs4g013	5.32	0	0	2	MASCOT	T	PLEX8	
1.57E-01	0|0	Cs6g20570.1/Cs6g205	6	0	0	2	MASCOT	T		
2.63E-02	0|0	Cs1g11870.1/Cs1g161	5.59	0	0	2	MASCOT	T	PLEX8	
1.42E-01	0|0	Cs6g03470.1/Cs6g205	6	0	0	2	MASCOT	T	PLEX8	
8.46E-02	0|0	Cs4g03700.1/Cs4g037	6.71	0	0	2	MASCOT	T	PLEX8	
3.04E-02	0|0	Cs1g11870.1/Cs4g037	8.8	0	0	2	MASCOT	T	PLEX8	
1.20E-02	0|0	Cs1g11870.1/Cs4g037	8.8	0	0	2	MASCOT	T	PLEX8	
5.19E-03	0|0	Cs6g20570.1/Cs6g205	5.32	0	0	2	MASCOT	T	PLEX8	
7.97E-02	0|0	Cs1g11870.1/Cs4g013	5.32	0	0	2	MASCOT	T		
9.76E-02	0|0	Cs1g16150.1/Cs1g161	4.37	0	0	2	MASCOT	T	PLEX8	
4.49E-02	0|0	Cs2g11320.1/Cs2g113	4.41	0	0	2	MASCOT	T	PLEX8	
8.72E-02	0|0	Cs2g11320.1/Cs2g113	5.96	0	0	2	MASCOT	T	PLEX8	
2.33E-03	0|0	Cs2g11320.1/Cs2g113	5.4	0	0	2	MASCOT	T	PLEX8	
9.31E-02	0|0	Cs2g11320.1/Cs2g113	6.1	0	0	2	MASCOT	T	PLEX8	
6.75E-04	0|0	Cs2g11320.1/Cs2g113	4.14	0	0	2	MASCOT	T		
4.32E-02	0|0	Cs2g11320.1/Cs2g113	9.72	0	0	2	MASCOT	T	PLEX8	
2.42E-03	0|0	Cs2g11320.1/Cs2g113	8.72	0	0	2	MASCOT	T	PLEX8	
6.62E-02	0|0	Cs2g11320.1/Cs2g113	6	0	0	2	MASCOT	T		
1.01E-01	0|0	Cs2g11320.1/Cs2g113	6	0	0	2	MASCOT	T	PLEX8	
1.85E-01	0|0	Cs2g11320.1/Cs2g113	5.66	0	0	2	MASCOT	T	PLEX8	
4.45E-06	0|0	Cs2g09970.1/Cs3g261	4.14	0	0	2	MASCOT	T	PLEX8	
2.10E-01	0|0	Cs3g26180.1	4.31	0	0	2	MASCOT	T		
9.11E-03	0|0	Cs2g09970.1/Cs3g261	9.75	0	0	2	MASCOT	T		
8.31E-03	0|0	Cs3g26180.1	4.32	1	0	2	MASCOT	T	PLEX8	
4.63E-03	0|0	Cs2g09970.1/Cs3g261	5.84	0	0	2	MASCOT	T	PLEX8	
3.27E-02	0|0	Cs2g09970.1/Cs3g261	6	0	0	2	MASCOT	T	PLEX8	
5.97E-02	0|0	Cs2g09970.1/Cs3g261	11	1	0	2	MASCOT	T	PLEX8	
1.18E-02	0|0	Cs2g09970.1/Cs3g261	11	1	0	2	MASCOT	T		
2.70E-03	0|0	Cs2g09970.1/Cs3g261	9.76	0	15.9	0	2	MASCOT	T	
6.11E-03	0|0	Cs2g09970.1/Cs3g261	8.75	0	0	2	MASCOT	T	PLEX8	
4.73E-01	0|0	Cs6g12870.1	8.75	0	0	2	MASCOT	T	PLEX8	
2.81E-01	0|0	Cs6g12870.1	8.75	0	0	2	MASCOT	T	PLEX8	
1.41E-02	0|0	Cs6g12870.1	8.75	0	0	2	MASCOT	T	PLEX8	
5.03E-01	0|0	Cs6g12870.1	8.75	0	0	2	MASCOT	T	PLEX8	
2.33E-01	0|0	Cs6g12870.1	8.75	0	0	2	MASCOT	T	PLEX8	
9.46E-02	0|0	Cs6g12870.1	8.75	0	0	2	MASCOT	T	PLEX8	
3.59E-01	0|0	Cs6g12870.1	8.75	0	0	2	MASCOT	T	PLEX8	
5.05E-01	0|0	Cs6g12870.1	8.75	0	0	2	MASCOT	T	PLEX8	
3.17E-01	0|0	Cs6g12870.1	8.75	0	0	2	MASCOT	T	PLEX8	
7.61E-02	0|0	Cs6g12870.1	8.75	0	0	2	MASCOT	T	PLEX8	
1.97E-01	0|0	Cs6g12870.1	8.75	0	0	2	MASCOT	T	PLEX8	
3.06E-02	0|0	Cs6g12870.1	8.75	0	0	2	MASCOT	T	PLEX8	
5.64E-01	0|0	Cs6g12870.1	8.75	0	0	2	MASCOT	T	PLEX8	

9.58E-02 0|0	Cs6g12870.1	8.75	0	0	2 MASCOT	T	
4.61E-02 0|0	Cs6g12870.1	8.75	0	0	2 MASCOT	T	PLEX8
3.22E-02 0|0	Cs6g12870.1	8.75	0	0	2 MASCOT	T	PLEX8
3.44E-01 0|0	Cs6g12870.1	8.75	0	0	2 MASCOT	T	PLEX8
2.11E-01 0|0	Cs6g12870.1	8.75	0	0	2 MASCOT	T	PLEX8
5.33E-01 0|0	Cs6g12870.1	8.75	0	0	2 MASCOT	T	PLEX8
1.01E-01 0|0	Cs6g12870.1	8.75	0	0	2 MASCOT	T	PLEX8
2.60E-01 0|0	Cs6g12870.1	8.75	0	0	2 MASCOT	T	PLEX8
4.98E-01 0|0	Cs6g12870.1	8.75	0	0	2 MASCOT	T	PLEX8
2.32E-02 0|0	Cs6g12870.1	8.75	0	0	2 MASCOT	T	
5.26E-02 0|0	Cs6g12870.1	8.75	0	0	2 MASCOT	T	
2.92E-02 0|0	Cs6g12870.1	8.75	0	0	2 MASCOT	T	
2.71E-02 0|0	Cs6g12870.1/Cs6g128	6	0	0	2 MASCOT	T	PLEX8
2.08E-01 0|0	Cs6g12870.1/Cs6g128	6	0	0	2 MASCOT	T	PLEX8
2.54E-01 0|0	Cs6g12870.1/Cs6g128	6	0	0	2 MASCOT	T	
2.17E-02 0|0	Cs6g12870.1/Cs6g128	6	0	0	2 MASCOT	T	
2.10E-01 0|0	Cs6g12870.1/Cs6g128	6	0	0	2 MASCOT	T	
5.31E-01 0|0	Cs6g12870.1/Cs6g128	6	0	0	2 MASCOT	T	PLEX8
1.61E-01 0|0	Cs6g12870.1/Cs6g128	6	0	0	2 MASCOT	T	PLEX8
3.95E-02 0|0	Cs6g12870.1/Cs6g128	6	0	0	2 MASCOT	T	PLEX8
1.92E-01 0|0	Cs6g12870.1/Cs6g128	6	0	0	2 MASCOT	T	PLEX8
2.80E-01 0|0	Cs6g12870.1/Cs6g128	6	0	0	2 MASCOT	T	PLEX8
1.87E-01 0|0	Cs6g12870.1/Cs6g128	6	0	0	2 MASCOT	T	PLEX8
3.01E-01 0|0	Cs6g12870.1/Cs6g128	6	0	0	2 MASCOT	T	PLEX8
1.97E-02 0|0	Cs6g12870.1/Cs6g128	6	0	0	2 MASCOT	T	
2.91E-01 0|0	Cs6g12870.1	6.41	0	0	2 MASCOT	T	PLEX8
5.15E-02 0|0	Cs6g12870.1	6.41	0	0	2 MASCOT	T	PLEX8
3.57E-02 0|0	Cs6g12870.1	6.41	0	0	2 MASCOT	T	PLEX8
6.17E-02 0|0	Cs6g12870.1	6.41	0	0	2 MASCOT	T	PLEX8
2.22E-01 0|0	Cs6g12870.1	6.41	0	0	2 MASCOT	T	PLEX8
1.70E-01 0|0	Cs6g12870.1	6.41	0	0	2 MASCOT	T	PLEX8
2.37E-01 0|0	Cs6g12870.1	6.41	0	0	2 MASCOT	T	PLEX8
5.17E-02 0|0	Cs6g12870.1	6.41	0	0	2 MASCOT	T	PLEX8
9.81E-03 0|0	Cs6g12870.1	6.41	0	0	2 MASCOT	T	PLEX8
3.93E-01 0|0	Cs6g12870.1	6.41	0	0	2 MASCOT	T	PLEX8
5.92E-02 0|0	Cs6g12870.1	6.41	0	0	2 MASCOT	T	PLEX8
9.21E-03 0|0	Cs6g12870.1	6.41	0	0	2 MASCOT	T	PLEX8
8.96E-02 0|0	Cs6g12870.1	6.41	0	0	2 MASCOT	T	PLEX8
3.94E-01 0|0	Cs6g12870.1	6.41	0	0	2 MASCOT	T	PLEX8
7.58E-02 0|0	Cs6g12870.1	6.41	0	0	2 MASCOT	T	PLEX8
4.40E-02 0|0	Cs6g12870.1	6.41	0	0	2 MASCOT	T	PLEX8
1.54E-02 0|0	Cs6g12870.1	6.41	0	0	2 MASCOT	T	PLEX8
1.24E-02 0|0	Cs6g12870.1	6.41	0	0	2 MASCOT	T	PLEX8
9.97E-03 0|0	Cs6g12870.1	6.41	0	0	2 MASCOT	T	PLEX8
7.13E-02 0|0	Cs6g12870.1	6.41	0	0	2 MASCOT	T	PLEX8
3.54E-03 0|0	Cs6g12870.1	6.41	0	0	2 MASCOT	T	PLEX8
9.72E-03 0|0	Cs6g12870.1	6.41	0	0	2 MASCOT	T	PLEX8
9.10E-02 0|0	Cs6g12870.1	6.41	0	0	2 MASCOT	T	PLEX8
1.44E-02 0|0	Cs6g12870.1	6.41	0	0	2 MASCOT	T	
1.14E-01 0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2 MASCOT	T	PLEX8
5.19E-03 0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2 MASCOT	T	PLEX8

4.68E-03	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T	PLEX8
1.82E-01	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T	PLEX8
3.88E-02	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T	PLEX8
6.98E-02	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T	PLEX8
2.41E-01	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T	PLEX8
6.95E-02	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T	PLEX8
1.41E-01	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T	PLEX8
1.09E-02	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T	PLEX8
7.02E-04	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T	PLEX8
5.97E-03	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T	PLEX8
4.72E-03	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T	PLEX8
3.57E-02	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T	PLEX8
2.59E-01	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T	
1.72E-01	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T	
5.82E-04	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T	
1.78E-03	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T	PLEX8
3.22E-02	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T	PLEX8
8.24E-03	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T	PLEX8
1.10E-03	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T	PLEX8
2.65E-01	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T	PLEX8
2.02E-01	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T	PLEX8
1.10E-01	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T	PLEX8
3.24E-02	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T	PLEX8
1.00E-02	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T	PLEX8
2.37E-02	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T	PLEX8
6.37E-03	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T	
5.72E-03	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T	PLEX8
6.22E-03	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T	PLEX8
5.48E-02	0|0	Cs6g12870.1/Cs6g128	5.96	0	0	2	MASCOT	T	PLEX8
1.27E-01	0|0	Cs6g12870.1/Cs6g128	5.96	0	0	2	MASCOT	T	PLEX8
2.37E-01	0|0	Cs6g12870.1/Cs6g128	5.96	0	0	2	MASCOT	T	PLEX8
3.56E-01	0|0	Cs6g12870.1/Cs6g128	5.96	0	0	2	MASCOT	T	PLEX8
2.56E-01	0|0	Cs6g12870.1/Cs6g128	5.96	0	0	2	MASCOT	T	PLEX8
3.62E-01	0|0	Cs6g12870.1/Cs6g128	5.96	0	0	2	MASCOT	T	PLEX8
2.89E-01	0|0	Cs6g12870.1/Cs6g128	5.96	0	0	2	MASCOT	T	PLEX8
6.42E-02	0|0	Cs6g12870.1/Cs6g128	5.96	0	0	2	MASCOT	T	
1.34E-01	0|0	Cs6g12870.1/Cs6g128	5.96	0	0	2	MASCOT	T	
3.29E-02	0|0	Cs6g12870.1/Cs6g128	5.96	0	0	2	MASCOT	T	PLEX8
1.23E-01	0|0	Cs6g12870.1/Cs6g128	5.96	0	0	2	MASCOT	T	PLEX8
8.96E-02	0|0	Cs6g12870.1/Cs6g128	5.96	0	0	2	MASCOT	T	PLEX8
1.51E-01	0|0	Cs6g12870.1/Cs6g128	5.96	0	0	2	MASCOT	T	PLEX8
1.74E-01	0|0	Cs6g12870.1/Cs6g128	5.96	0	0	2	MASCOT	T	PLEX8
3.14E-01	0|0	Cs6g12870.1/Cs6g128	5.96	0	0	2	MASCOT	T	
1.08E-01	0|0	Cs6g12870.1/Cs6g128	5.96	0	0	2	MASCOT	T	
1.52E-01	0|0	Cs6g12870.1/Cs6g128	5.96	0	0	2	MASCOT	T	
1.99E-03	0|0	Cs6g12870.1	3.77	0	0	2	MASCOT	T	
2.39E-03	0|0	Cs6g12870.1	3.77	0	0	2	MASCOT	T	PLEX8
3.12E-03	0|0	Cs6g12870.1	3.77	0	0	2	MASCOT	T	
3.34E-04	0|0	Cs6g12870.1	3.77	0	0	2	MASCOT	T	PLEX8
3.40E-03	0|0	Cs6g12870.1	3.77	0	0	2	MASCOT	T	
1.07E-04	0|0	Cs6g12870.1	3.77	0	0	2	MASCOT	T	PLEX8

1.61E-03	0|0	Cs6g12870.1	3.77	0	0	2	MASCOT	T		
3.59E-03	0|0	Cs6g12870.1	3.77	0	0	2	MASCOT	T		
2.95E-03	0|0	Cs6g12870.1/Cs6g128	9.76	0	0	2	MASCOT	T	PLEX8	
1.27E-01	0|0	Cs6g12870.1/Cs6g128	9.76	0	0	2	MASCOT	T	PLEX8	
4.54E-02	0|0	Cs6g12870.1/Cs6g128	9.76	0	0	2	MASCOT	T	PLEX8	
1.20E-01	0|0	Cs6g12870.1/Cs6g128	9.76	0	0	2	MASCOT	T	PLEX8	
3.00E-03	0|0	Cs6g12870.1/Cs6g128	9.76	0	0	2	MASCOT	T	PLEX8	
2.06E-01	0|0	Cs6g12870.1/Cs6g128	9.76	0	0	2	MASCOT	T	PLEX8	
5.94E-03	0|0	Cs6g12870.1/Cs6g128	9.76	0	0	2	MASCOT	T	PLEX8	
1.24E-01	0|0	Cs6g12870.1/Cs6g128	9.76	0	0	2	MASCOT	T	PLEX8	
2.15E-02	0|0	Cs6g12870.1/Cs6g128	9.76	0	0	2	MASCOT	T	PLEX8	
8.91E-02	0|0	Cs6g12870.1/Cs6g128	9.76	0	0	2	MASCOT	T	PLEX8	
2.54E-02	0|0	Cs6g12870.1/Cs6g128	9.76	0	0	2	MASCOT	T	PLEX8	
3.79E-02	0|0	Cs6g12870.1/Cs6g128	9.76	0	0	2	MASCOT	T		
4.06E-02	0|0	Cs6g12870.1	4.11	1	0	2	MASCOT	T		
5.44E-03	0|0	Cs6g12870.1	4.11	1	0	2	MASCOT	T	PLEX8	
8.99E-04	0|0	Cs6g12870.1	4.11	1	0	2	MASCOT	T		
4.18E-05	0|0	Cs6g12870.1	4.11	1	0	2	MASCOT	T	PLEX8	
6.17E-05	0|0	Cs6g12870.1	4.11	1	0	2	MASCOT	T	PLEX8	
2.10E-02	0|0	Cs6g12870.1	4.11	1	0	2	MASCOT	T	PLEX8	
1.70E-05	0|0	Cs6g12870.1	4.11	1	0	2	MASCOT	T		
2.71E-02	0|0	Cs6g12870.1/Cs6g128	6	0	0	2	MASCOT	T	PLEX8	
2.08E-01	0|0	Cs6g12870.1/Cs6g128	6	0	0	2	MASCOT	T	PLEX8	
2.54E-01	0|0	Cs6g12870.1/Cs6g128	6	0	0	2	MASCOT	T		
2.17E-02	0|0	Cs6g12870.1/Cs6g128	6	0	0	2	MASCOT	T		
2.10E-01	0|0	Cs6g12870.1/Cs6g128	6	0	0	2	MASCOT	T		
5.31E-01	0|0	Cs6g12870.1/Cs6g128	6	0	0	2	MASCOT	T	PLEX8	
1.61E-01	0|0	Cs6g12870.1/Cs6g128	6	0	0	2	MASCOT	T	PLEX8	
3.95E-02	0|0	Cs6g12870.1/Cs6g128	6	0	0	2	MASCOT	T	PLEX8	
1.92E-01	0|0	Cs6g12870.1/Cs6g128	6	0	0	2	MASCOT	T	PLEX8	
2.80E-01	0|0	Cs6g12870.1/Cs6g128	6	0	0	2	MASCOT	T	PLEX8	
1.87E-01	0|0	Cs6g12870.1/Cs6g128	6	0	0	2	MASCOT	T	PLEX8	
3.01E-01	0|0	Cs6g12870.1/Cs6g128	6	0	0	2	MASCOT	T	PLEX8	
1.97E-02	0|0	Cs6g12870.1/Cs6g128	6	0	0	2	MASCOT	T		
5.69E-02	0|0	Cs6g12880.1	4.91	1	15.9	0	2	MASCOT	T	PLEX8
1.04E-02	0|0	Cs6g12880.1	4.91	1	0	2	MASCOT	T	PLEX8	
1.17E-01	0|0	Cs6g12880.1	4.91	1	0	2	MASCOT	T	PLEX8	
1.73E-02	0|0	Cs6g12880.1	4.91	1	0	2	MASCOT	T	PLEX8	
5.13E-03	0|0	Cs6g12880.1	4.91	1	0	2	MASCOT	T	PLEX8	
4.14E-02	0|0	Cs6g12880.1	4.91	1	0	2	MASCOT	T	PLEX8	
1.14E-01	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T	PLEX8	
5.19E-03	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T	PLEX8	
4.68E-03	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T	PLEX8	
1.82E-01	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T	PLEX8	
3.88E-02	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T	PLEX8	
6.98E-02	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T	PLEX8	
2.41E-01	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T	PLEX8	
6.95E-02	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T	PLEX8	
1.41E-01	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T	PLEX8	
1.09E-02	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T	PLEX8	
7.02E-04	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T	PLEX8	

5.97E-03	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T	PLEX8	
4.72E-03	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T	PLEX8	
3.57E-02	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T	PLEX8	
2.59E-01	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T		
1.72E-01	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T		
5.82E-04	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T		
1.78E-03	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T	PLEX8	
3.22E-02	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T	PLEX8	
8.24E-03	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T	PLEX8	
1.10E-03	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T	PLEX8	
2.65E-01	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T	PLEX8	
2.02E-01	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T	PLEX8	
1.10E-01	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T	PLEX8	
3.24E-02	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T	PLEX8	
1.00E-02	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T	PLEX8	
2.37E-02	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T	PLEX8	
6.37E-03	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T		
5.72E-03	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T	PLEX8	
6.22E-03	0|0	Cs6g12870.1/Cs6g128	5.29	0	0	2	MASCOT	T	PLEX8	
5.48E-02	0|0	Cs6g12870.1/Cs6g128	5.96	0	0	2	MASCOT	T	PLEX8	
1.27E-01	0|0	Cs6g12870.1/Cs6g128	5.96	0	0	2	MASCOT	T	PLEX8	
2.37E-01	0|0	Cs6g12870.1/Cs6g128	5.96	0	0	2	MASCOT	T	PLEX8	
3.56E-01	0|0	Cs6g12870.1/Cs6g128	5.96	0	0	2	MASCOT	T	PLEX8	
2.56E-01	0|0	Cs6g12870.1/Cs6g128	5.96	0	0	2	MASCOT	T	PLEX8	
3.62E-01	0|0	Cs6g12870.1/Cs6g128	5.96	0	0	2	MASCOT	T	PLEX8	
2.89E-01	0|0	Cs6g12870.1/Cs6g128	5.96	0	0	2	MASCOT	T	PLEX8	
6.42E-02	0|0	Cs6g12870.1/Cs6g128	5.96	0	0	2	MASCOT	T		
1.34E-01	0|0	Cs6g12870.1/Cs6g128	5.96	0	0	2	MASCOT	T		
3.29E-02	0|0	Cs6g12870.1/Cs6g128	5.96	0	0	2	MASCOT	T	PLEX8	
1.23E-01	0|0	Cs6g12870.1/Cs6g128	5.96	0	0	2	MASCOT	T	PLEX8	
8.96E-02	0|0	Cs6g12870.1/Cs6g128	5.96	0	0	2	MASCOT	T	PLEX8	
1.51E-01	0|0	Cs6g12870.1/Cs6g128	5.96	0	0	2	MASCOT	T	PLEX8	
1.74E-01	0|0	Cs6g12870.1/Cs6g128	5.96	0	0	2	MASCOT	T	PLEX8	
3.14E-01	0|0	Cs6g12870.1/Cs6g128	5.96	0	0	2	MASCOT	T		
1.08E-01	0|0	Cs6g12870.1/Cs6g128	5.96	0	0	2	MASCOT	T		
1.52E-01	0|0	Cs6g12870.1/Cs6g128	5.96	0	0	2	MASCOT	T		
2.95E-03	0|0	Cs6g12870.1/Cs6g128	9.76	0	0	2	MASCOT	T	PLEX8	
1.27E-01	0|0	Cs6g12870.1/Cs6g128	9.76	0	0	2	MASCOT	T	PLEX8	
4.54E-02	0|0	Cs6g12870.1/Cs6g128	9.76	0	0	2	MASCOT	T	PLEX8	
1.20E-01	0|0	Cs6g12870.1/Cs6g128	9.76	0	0	2	MASCOT	T	PLEX8	
3.00E-03	0|0	Cs6g12870.1/Cs6g128	9.76	0	0	2	MASCOT	T	PLEX8	
2.06E-01	0|0	Cs6g12870.1/Cs6g128	9.76	0	0	2	MASCOT	T	PLEX8	
5.94E-03	0|0	Cs6g12870.1/Cs6g128	9.76	0	0	2	MASCOT	T	PLEX8	
1.24E-01	0|0	Cs6g12870.1/Cs6g128	9.76	0	0	2	MASCOT	T	PLEX8	
2.15E-02	0|0	Cs6g12870.1/Cs6g128	9.76	0	0	2	MASCOT	T	PLEX8	
8.91E-02	0|0	Cs6g12870.1/Cs6g128	9.76	0	0	2	MASCOT	T	PLEX8	
2.54E-02	0|0	Cs6g12870.1/Cs6g128	9.76	0	0	2	MASCOT	T	PLEX8	
3.79E-02	0|0	Cs6g12870.1/Cs6g128	9.76	0	0	2	MASCOT	T		
3.42E-01	0|0	Cs6g12880.1	4.48	0	15.9	0	2	MASCOT	T	PLEX8
2.94E-02	0|0	Cs6g12880.1	4.48	0	15.9	0	2	MASCOT	T	PLEX8
3.00E-03	0|0	Cs6g12880.1	4.48	0	15.9	0	2	MASCOT	T	PLEX8

2.87E-02 0|0	Cs6g12880.1	4.48	0	15.9	0	2	MASCOT	T	PLEX8
1.77E-01 0|0	Cs6g12880.1	4.48	0	15.9	0	2	MASCOT	T	PLEX8
1.24E-04 0|0	Cs6g12880.1	4.48	0	15.9	0	2	MASCOT	T	PLEX8
8.84E-04 0|0	Cs6g12880.1	4.48	0	15.9	0	2	MASCOT	T	PLEX8
3.77E-02 0|0	Cs6g12880.1	4.48	0	15.9	0	2	MASCOT	T	PLEX8
4.33E-03 0|0	Cs6g12880.1	4.48	0	15.9	0	2	MASCOT	T	PLEX8
1.31E-04 0|0	Cs6g12880.1	4.48	0	15.9	0	2	MASCOT	T	PLEX8
2.24E-01 0|0	Cs6g12880.1	4.48	0	15.9	0	2	MASCOT	T	
1.86E-01 0|0	Cs6g12880.1	4.48	0		0	2	MASCOT	T	PLEX8
1.94E-02 0|0	Cs6g12880.1	4.48	0		0	2	MASCOT	T	PLEX8
2.27E-03 0|0	Cs6g12880.1	4.48	0		0	2	MASCOT	T	PLEX8
5.29E-06 0|0	Cs6g12880.1	4.48	0		0	2	MASCOT	T	PLEX8
2.99E-03 0|0	Cs6g12880.1	4.48	0		0	2	MASCOT	T	PLEX8
5.06E-06 0|0	Cs6g12880.1	4.48	0		0	2	MASCOT	T	PLEX8
3.38E-01 0|0	Cs6g12880.1	4.48	0		0	2	MASCOT	T	PLEX8
2.16E-01 0|0	Cs6g12880.1	9.47	0		0	2	MASCOT	T	PLEX8
2.28E-03 0|0	Cs6g12880.1	5.66	0		0	2	MASCOT	T	PLEX8
3.46E-02 0|0	Cs6g12880.1	5.66	0		0	2	MASCOT	T	PLEX8
2.21E-01 0|0	Cs6g12880.1	5.66	0		0	2	MASCOT	T	PLEX8
2.37E-01 0|0	Cs6g12880.1	5.66	0		0	2	MASCOT	T	PLEX8
9.05E-02 0|0	Cs6g12880.1	5.66	0		0	2	MASCOT	T	
1.56E-02 0|0	Cs6g12880.1	5.66	0		0	2	MASCOT	T	PLEX8
3.81E-02 0|0	Cs6g12880.1	5.66	0		0	2	MASCOT	T	PLEX8
9.55E-02 0|0	Cs6g12880.1	5.66	0		0	2	MASCOT	T	
7.91E-03 0|0	Cs6g12880.1	5.66	0		0	2	MASCOT	T	
2.99E-02 0|0	Cs6g12880.1	5.66	0		0	2	MASCOT	T	PLEX8
1.33E-01 0|0	Cs6g12880.1	5.66	0		0	2	MASCOT	T	PLEX8
6.64E-02 0|0	Cs6g12880.1	5.66	0		0	2	MASCOT	T	PLEX8
1.25E-01 0|0	Cs6g12880.1	5.66	0		0	2	MASCOT	T	
2.56E-02 0|0	Cs6g12880.1	5.66	0		0	2	MASCOT	T	PLEX8
2.43E-01 0|0	Cs6g12880.1	5.66	0		0	2	MASCOT	T	
2.24E-01 0|0	Cs6g18900.1	4.75	0		0	2	MASCOT	T	
1.60E-01 0|0	Cs3g06080.1/Cs6g189	8.5	0		0	2	MASCOT	T	
1.54E-01 0|0	Cs3g06080.1/Cs6g189	8.5	0		0	2	MASCOT	T	
1.80E-01 0|0	Cs3g06080.1/Cs6g189	8.5	0		0	2	MASCOT	T	PLEX8
1.53E-03 0|0	Cs6g18900.1	8.75	0		0	2	MASCOT	T	PLEX8
3.23E-03 0|0	Cs6g18900.1	8.75	0		0	2	MASCOT	T	PLEX8
8.78E-04 0|0	Cs6g18900.1	8.75	0		0	2	MASCOT	T	PLEX8
1.74E-03 0|0	Cs6g18900.1	8.75	0		0	2	MASCOT	T	
7.61E-04 0|0	Cs6g18900.1	8.75	0		0	2	MASCOT	T	PLEX8
4.31E-03 0|0	Cs6g18900.1	8.75	0		0	2	MASCOT	T	
1.74E-01 0|0	Cs6g18900.1	8.75	0		0	2	MASCOT	T	
9.99E-02 0|0	Cs6g18900.1	8.75	0		0	2	MASCOT	T	PLEX8
1.63E-03 0|0	Cs6g18900.1	8.75	0		0	2	MASCOT	T	PLEX8
2.46E-02 0|0	Cs6g18900.1	8.75	0		0	2	MASCOT	T	PLEX8
2.82E-03 0|0	Cs6g18900.1	8.75	0		0	2	MASCOT	T	PLEX8
3.03E-01 0|0	Cs6g18900.1/Cs7g128	5.84	0		0	2	MASCOT	T	PLEX8
3.27E-01 0|0	Cs6g18900.1/Cs7g128	5.84	0		0	2	MASCOT	T	PLEX8
5.61E-02 0|0	Cs6g18900.1/Cs7g128	5.84	0		0	2	MASCOT	T	PLEX8
1.04E-02 0|0	Cs6g18900.1/Cs7g128	5.84	0		0	2	MASCOT	T	PLEX8
1.42E-01 0|0	Cs6g18900.1/Cs7g128	5.84	0		0	2	MASCOT	T	PLEX8

3.10E-01	0|0	Cs6g18900.1/Cs7g128	5.84	0	0	2	MASCOT	T	PLEX8
5.09E-02	0|0	Cs6g18900.1/Cs7g128	5.84	0	0	2	MASCOT	T	PLEX8
2.93E-01	0|0	Cs6g18900.1/Cs7g128	5.84	0	0	2	MASCOT	T	PLEX8
3.30E-01	0|0	Cs6g18900.1/Cs7g128	5.84	0	0	2	MASCOT	T	PLEX8
5.72E-02	0|0	Cs6g18900.1/Cs7g128	5.84	0	0	2	MASCOT	T	PLEX8
7.78E-02	0|0	Cs6g18900.1/Cs7g128	5.84	0	0	2	MASCOT	T	PLEX8
1.36E-04	0|0	Cs6g18900.1	4.75	0	0	2	MASCOT	T	PLEX8
5.26E-03	0|0	Cs6g18900.1	4.75	0	0	2	MASCOT	T	PLEX8
3.54E-04	0|0	Cs6g18900.1	4.75	0	0	2	MASCOT	T	PLEX8
1.76E-03	0|0	Cs6g18900.1	4.75	0	0	2	MASCOT	T	PLEX8
7.13E-05	0|0	Cs6g18900.1	4.75	0	0	2	MASCOT	T	PLEX8
2.05E-04	0|0	Cs6g18900.1	4.75	0	0	2	MASCOT	T	PLEX8
6.73E-05	0|0	Cs6g18900.1	4.75	0	0	2	MASCOT	T	PLEX8
1.35E-02	0|0	Cs6g18900.1	4.75	0	0	2	MASCOT	T	PLEX8
1.19E-03	0|0	Cs6g18900.1	4.75	0	0	2	MASCOT	T	PLEX8
9.78E-05	0|0	Cs6g18900.1	4.75	0	0	2	MASCOT	T	PLEX8
2.73E-01	0|0	Cs6g18900.1	4.75	0	0	2	MASCOT	T	PLEX8
7.72E-02	0|0	Cs6g18900.1	4.75	0	0	2	MASCOT	T	PLEX8
4.91E-04	0|0	Cs6g18900.1	4.75	0	0	2	MASCOT	T	PLEX8
2.62E-05	0|0	Cs6g18900.1	4.75	0	0	2	MASCOT	T	PLEX8
1.32E-01	0|0	Cs6g18900.1	4.75	0	0	2	MASCOT	T	PLEX8
2.44E-03	0|0	Cs6g18900.1	4.75	0	0	2	MASCOT	T	PLEX8
6.83E-04	0|0	Cs6g18900.1	4.75	0	0	2	MASCOT	T	PLEX8
3.16E-04	0|0	Cs6g18900.1	4.75	0	0	2	MASCOT	T	PLEX8
6.18E-02	0|0	Cs6g18900.1	4.75	0	0	2	MASCOT	T	PLEX8
4.40E-03	0|0	Cs6g18900.1	4.75	0	0	2	MASCOT	T	PLEX8
1.18E-04	0|0	Cs6g18900.1	4.75	0	0	2	MASCOT	T	PLEX8
2.30E-05	0|0	Cs6g18900.1	4.75	0	0	2	MASCOT	T	PLEX8
6.80E-06	0|0	Cs6g18900.1	4.75	0	0	2	MASCOT	T	PLEX8
1.70E-04	0|0	Cs6g18900.1	4.75	0	0	2	MASCOT	T	PLEX8
8.45E-03	0|0	Cs6g18900.1	4.75	0	0	2	MASCOT	T	PLEX8
3.33E-01	0|0	Cs6g18900.1	4.75	0	0	2	MASCOT	T	PLEX8
3.31E-01	0|0	Cs6g18900.1	4.75	0	0	2	MASCOT	T	
4.61E-02	0|0	Cs6g18900.1	4.75	0	0	2	MASCOT	T	PLEX8
5.09E-05	0|0	Cs6g18900.1	4.75	0	0	2	MASCOT	T	PLEX8
1.21E-05	0|0	Cs6g18900.1	4.75	0	0	2	MASCOT	T	PLEX8
2.07E-03	0|0	Cs6g18900.1	4.75	0	0	2	MASCOT	T	
5.43E-04	0|0	Cs6g18900.1	4.75	0	0	2	MASCOT	T	
2.66E-01	0|0	Cs6g18900.1/Cs6g189	8.75	0	0	2	MASCOT	T	PLEX8
1.66E-01	0|0	Cs6g18900.1/Cs6g189	8.75	0	0	2	MASCOT	T	
1.13E-01	0|0	Cs6g18900.1/Cs6g189	8.75	0	0	2	MASCOT	T	PLEX8
1.05E-01	0|0	Cs6g18900.1/Cs6g189	8.75	0	0	2	MASCOT	T	PLEX8
1.46E-01	0|0	Cs6g18900.1/Cs6g189	8.75	0	0	2	MASCOT	T	PLEX8
3.75E-02	0|0	Cs6g18900.1	8.59	0	0	2	MASCOT	T	PLEX8
3.87E-01	0|0	Cs6g18900.1	8.59	0	0	2	MASCOT	T	PLEX8
2.31E-01	0|0	Cs6g18900.1	8.59	0	0	2	MASCOT	T	
2.36E-01	0|0	Cs6g18900.1	5.68	0	0	2	MASCOT	T	PLEX8
1.16E-01	0|0	Cs6g18900.1	5.68	0	0	2	MASCOT	T	PLEX8
1.65E-01	0|0	Cs7g12890.1	5.24	0	0	2	MASCOT	T	PLEX8
1.42E-01	0|0	Cs7g12890.1	5.24	0	0	2	MASCOT	T	PLEX8
3.54E-02	0|0	Cs7g12890.1	5.24	0	0	2	MASCOT	T	PLEX8

5.17E-03 0|0	Cs7g12890.1	5.24	0	0	2 MASCOT	T	PLEX8
1.17E-02 0|0	Cs7g12890.1	5.24	0	0	2 MASCOT	T	PLEX8
8.14E-05 0|0	Cs7g12890.1	5.24	0	0	2 MASCOT	T	PLEX8
4.78E-03 0|0	Cs7g12890.1	5.24	0	0	2 MASCOT	T	PLEX8
8.28E-03 0|0	Cs7g12890.1	5.24	0	0	2 MASCOT	T	PLEX8
1.57E-02 0|0	Cs7g12890.1	5.24	0	0	2 MASCOT	T	PLEX8
7.51E-02 0|0	Cs7g12890.1	5.24	0	0	2 MASCOT	T	PLEX8
1.58E-02 0|0	Cs7g12890.1	5.24	0	0	2 MASCOT	T	PLEX8
3.63E-02 0|0	Cs7g12890.1	5.24	0	0	2 MASCOT	T	
1.11E-02 0|0	Cs7g12890.1	5.24	0	0	2 MASCOT	T	PLEX8
1.83E-02 0|0	Cs7g12890.1	5.24	0	0	2 MASCOT	T	PLEX8
1.72E-03 0|0	Cs7g12890.1	5.24	0	0	2 MASCOT	T	PLEX8
9.68E-02 0|0	Cs7g12890.1	5.24	0	0	2 MASCOT	T	PLEX8
8.26E-03 0|0	Cs7g12890.1	5.24	0	0	2 MASCOT	T	PLEX8
2.25E-01 0|0	Cs7g12890.1	5.4	0	0	2 MASCOT	T	PLEX8
3.80E-01 0|0	Cs7g12890.1	5.4	0	0	2 MASCOT	T	
8.97E-02 0|0	Cs7g12890.1	5.4	0	0	2 MASCOT	T	PLEX8
1.60E-01 0|0	Cs3g06080.1/Cs6g189	8.5	0	0	2 MASCOT	T	
1.54E-01 0|0	Cs3g06080.1/Cs6g189	8.5	0	0	2 MASCOT	T	
1.80E-01 0|0	Cs3g06080.1/Cs6g189	8.5	0	0	2 MASCOT	T	PLEX8
4.53E-02 0|0	Cs7g12890.1	8.6	0	0	2 MASCOT	T	PLEX8
2.42E-01 0|0	Cs7g12890.1	8.6	0	0	2 MASCOT	T	PLEX8
2.30E-01 0|0	Cs7g12890.1	8.6	0	0	2 MASCOT	T	PLEX8
7.81E-02 0|0	Cs7g12890.1	8.6	0	0	2 MASCOT	T	PLEX8
6.29E-02 0|0	Cs7g12890.1	8.6	0	0	2 MASCOT	T	PLEX8
1.23E-02 0|0	Cs7g12890.1	8.6	0	0	2 MASCOT	T	PLEX8
1.51E-01 0|0	Cs7g12890.1	8.6	0	0	2 MASCOT	T	PLEX8
2.61E-02 0|0	Cs7g12890.1	8.6	0	0	2 MASCOT	T	
6.05E-02 0|0	Cs7g12890.1	8.6	0	0	2 MASCOT	T	PLEX8
2.27E-02 0|0	Cs7g12890.1	8.6	0	0	2 MASCOT	T	PLEX8
2.83E-02 0|0	Cs7g12890.1	8.6	0	0	2 MASCOT	T	PLEX8
2.25E-01 0|0	Cs7g12890.1	8.6	0	0	2 MASCOT	T	PLEX8
5.94E-04 0|0	Cs7g12890.1	8.6	0	0	2 MASCOT	T	PLEX8
2.50E-02 0|0	Cs7g12890.1	8.6	0	0	2 MASCOT	T	PLEX8
1.40E-01 0|0	Cs7g12890.1	8.6	0	0	2 MASCOT	T	PLEX8
2.90E-02 0|0	Cs7g12890.1	8.6	0	0	2 MASCOT	T	PLEX8
4.32E-02 0|0	Cs7g12890.1	8.6	0	0	2 MASCOT	T	
1.76E-01 0|0	Cs7g12890.1	8.6	0	0	2 MASCOT	T	
2.28E-02 0|0	Cs7g12890.1	8.6	0	0	2 MASCOT	T	
1.94E-02 0|0	Cs7g12890.1	8.6	0	0	2 MASCOT	T	
3.68E-01 0|0	Cs7g12890.1	6.75	0	0	2 MASCOT	T	PLEX8
3.03E-01 0|0	Cs6g18900.1/Cs7g128	5.84	0	0	2 MASCOT	T	PLEX8
3.27E-01 0|0	Cs6g18900.1/Cs7g128	5.84	0	0	2 MASCOT	T	PLEX8
5.61E-02 0|0	Cs6g18900.1/Cs7g128	5.84	0	0	2 MASCOT	T	PLEX8
1.04E-02 0|0	Cs6g18900.1/Cs7g128	5.84	0	0	2 MASCOT	T	PLEX8
1.42E-01 0|0	Cs6g18900.1/Cs7g128	5.84	0	0	2 MASCOT	T	PLEX8
3.10E-01 0|0	Cs6g18900.1/Cs7g128	5.84	0	0	2 MASCOT	T	PLEX8
5.09E-02 0|0	Cs6g18900.1/Cs7g128	5.84	0	0	2 MASCOT	T	PLEX8
2.93E-01 0|0	Cs6g18900.1/Cs7g128	5.84	0	0	2 MASCOT	T	PLEX8
3.30E-01 0|0	Cs6g18900.1/Cs7g128	5.84	0	0	2 MASCOT	T	PLEX8
5.72E-02 0|0	Cs6g18900.1/Cs7g128	5.84	0	0	2 MASCOT	T	PLEX8

7.78E-02	0|0	Cs6g18900.1/Cs7g128	5.84	0	0	2	MASCOT	T	PLEX8
2.95E-01	0|0	Cs7g12890.1	4.25	0	0	2	MASCOT	T	PLEX8
5.02E-04	0|0	Cs7g12890.1	4.25	0	0	2	MASCOT	T	PLEX8
1.81E-01	0|0	Cs7g12890.1	4.25	0	0	2	MASCOT	T	
2.52E-01	0|0	Cs7g12890.1	4.25	0	0	2	MASCOT	T	
1.45E-01	0|0	Cs7g12890.1	4.25	0	0	2	MASCOT	T	
1.13E-04	0|0	Cs7g12890.1	4.25	0	0	2	MASCOT	T	
1.48E-04	0|0	Cs7g12890.1	4.25	0	0	2	MASCOT	T	
1.92E-01	0|0	Cs7g12890.1	8.75	0	0	2	MASCOT	T	PLEX8
9.49E-02	0|0	Cs5g28410.1/Cs5g284	6.74	0	0	2	MASCOT	T	PLEX8
6.78E-02	0|0	Cs5g28410.1/Cs5g284	6.74	0	0	2	MASCOT	T	PLEX8
2.76E-04	0|0	Cs5g28410.1/Cs5g284	4.03	0	0	2	MASCOT	T	PLEX8
4.31E-03	0|0	Cs5g28410.1/Cs5g284	4.03	0	0	2	MASCOT	T	PLEX8
1.30E-02	0|0	Cs5g28410.1/Cs5g284	4.03	0	0	2	MASCOT	T	PLEX8
7.04E-04	0|0	Cs5g28410.1/Cs5g284	4.03	0	0	2	MASCOT	T	PLEX8
4.16E-02	0|0	Cs5g28410.1/Cs5g284	4.03	0	0	2	MASCOT	T	PLEX8
2.83E-03	0|0	Cs5g28410.1/Cs5g284	4.03	0	0	2	MASCOT	T	
1.78E-02	0|0	Cs5g28400.1/Cs7g260	4.25	0	0	2	MASCOT	T	PLEX8
5.45E-01	0|0	Cs5g28410.1/Cs5g284	6	0	0	2	MASCOT	T	PLEX8
3.19E-01	0|0	Cs5g28410.1/Cs5g284	6	0	0	2	MASCOT	T	PLEX8
9.13E-02	0|0	Cs5g28410.1/Cs5g284	6	0	0	2	MASCOT	T	PLEX8
2.01E-01	0|0	Cs5g28410.1/Cs5g284	6	0	0	2	MASCOT	T	PLEX8
1.81E-01	0|0	Cs5g28410.1/Cs5g284	6	0	0	2	MASCOT	T	PLEX8
2.51E-01	0|0	Cs5g28410.1/Cs5g284	6	0	0	2	MASCOT	T	PLEX8
2.63E-01	0|0	Cs5g28410.1/Cs5g284	6	0	0	2	MASCOT	T	PLEX8
5.20E-02	0|0	Cs5g28410.1/Cs5g284	4.37	0	0	2	MASCOT	T	PLEX8
3.30E-03	0|0	Cs5g28410.1/Cs5g284	4.37	0	0	2	MASCOT	T	PLEX8
2.86E-02	0|0	Cs5g28410.1/Cs5g284	6	0	0	2	MASCOT	T	PLEX8
1.27E-02	0|0	Cs5g28410.1/Cs5g284	6	0	0	2	MASCOT	T	PLEX8
1.63E-01	0|0	Cs5g28410.1/Cs5g284	6	0	0	2	MASCOT	T	PLEX8
1.64E-02	0|0	Cs5g28410.1/Cs5g284	6	0	0	2	MASCOT	T	PLEX8
1.27E-03	0|0	Cs5g28410.1/Cs5g284	6	0	0	2	MASCOT	T	PLEX8
1.74E-01	0|0	Cs5g28410.1/Cs5g284	6	0	0	2	MASCOT	T	PLEX8
6.01E-02	0|0	Cs5g28410.1/Cs5g284	6	0	0	2	MASCOT	T	PLEX8
4.59E-01	0|0	Cs5g28410.1/Cs5g284	6	0	0	2	MASCOT	T	
1.14E-01	0|0	Cs5g28410.1/Cs5g284	6	0	0	2	MASCOT	T	PLEX8
1.58E-01	0|0	Cs5g28410.1/Cs5g284	6	0	0	2	MASCOT	T	PLEX8
2.37E-01	0|0	Cs5g28410.1/Cs5g284	6	0	0	2	MASCOT	T	PLEX8
1.30E-02	0|0	Cs5g28410.1/Cs5g284	6	0	0	2	MASCOT	T	PLEX8
1.38E-01	0|0	Cs5g28410.1/Cs5g284	6	0	0	2	MASCOT	T	PLEX8
1.01E-01	0|0	Cs5g28410.1/Cs5g284	6	0	0	2	MASCOT	T	
1.18E-02	0|0	Cs5g28410.1/Cs5g284	6	0	0	2	MASCOT	T	PLEX8
1.15E-01	0|0	Cs5g28410.1/Cs5g284	6	0	0	2	MASCOT	T	PLEX8
2.36E-02	0|0	Cs5g28410.1/Cs5g284	6	0	0	2	MASCOT	T	PLEX8
1.96E-02	0|0	Cs5g28410.1/Cs5g284	6	0	0	2	MASCOT	T	PLEX8
2.20E-03	0|0	Cs5g28410.1/Cs5g284	4.65	0	0	2	MASCOT	T	PLEX8
3.53E-04	0|0	Cs5g28410.1/Cs5g284	4.65	0	0	2	MASCOT	T	PLEX8
2.51E-02	0|0	Cs5g28410.1/Cs5g284	4.65	0	0	2	MASCOT	T	PLEX8
7.45E-02	0|0	Cs5g28410.1/Cs5g284	4.65	0	0	2	MASCOT	T	PLEX8
8.67E-04	0|0	Cs5g28410.1/Cs5g284	4.65	0	0	2	MASCOT	T	PLEX8
8.13E-03	0|0	Cs5g28410.1/Cs5g284	4.65	0	0	2	MASCOT	T	PLEX8

2.62E-01	0|0	Cs5g28410.1/Cs5g284	6	0	0	2	MASCOT	T	PLEX8
2.87E-01	0|0	Cs5g28410.1/Cs5g284	6	0	0	2	MASCOT	T	PLEX8
1.96E-01	0|0	Cs5g28410.1/Cs5g284	6	0	0	2	MASCOT	T	PLEX8
1.72E-01	0|0	Cs5g28410.1/Cs5g284	6	0	0	2	MASCOT	T	PLEX8
1.18E-01	0|0	Cs5g28410.1/Cs5g284	6	0	0	2	MASCOT	T	PLEX8
3.57E-01	0|0	Cs5g28410.1/Cs5g284	6	0	0	2	MASCOT	T	PLEX8
2.87E-03	0|0	Cs5g28410.1/Cs5g284	6	0	0	2	MASCOT	T	PLEX8
3.43E-02	0|0	Cs5g28410.1/Cs5g284	6	0	0	2	MASCOT	T	PLEX8
1.41E-01	0|0	Cs5g28410.1/Cs5g284	6	0	0	2	MASCOT	T	
1.81E-01	0|0	Cs5g28410.1/Cs5g284	6	0	0	2	MASCOT	T	PLEX8
2.21E-01	0|0	Cs5g28410.1/Cs5g284	6	0	0	2	MASCOT	T	PLEX8
2.70E-02	0|0	Cs5g28410.1/Cs5g284	6	0	0	2	MASCOT	T	PLEX8
1.05E-01	0|0	Cs5g28410.1/Cs5g284	6	0	0	2	MASCOT	T	
1.69E-01	0|0	Cs5g28410.1/Cs5g284	6	0	0	2	MASCOT	T	PLEX8
8.27E-03	0|0	Cs5g28410.1/Cs5g284	6	0	0	2	MASCOT	T	PLEX8
2.54E-01	0|0	Cs5g28410.1/Cs5g284	6	0	0	2	MASCOT	T	
1.18E-01	0|0	Cs5g28410.1/Cs5g284	6	0	0	2	MASCOT	T	
8.08E-04	0|0	Cs3g26970.1	4	0	0	2	MASCOT	T	PLEX8
1.14E-01	0|0	Cs3g26970.1	4	0	0	2	MASCOT	T	PLEX8
3.70E-02	0|0	Cs3g26970.1	5.24	0	0	2	MASCOT	T	
1.96E-02	0|0	Cs3g26970.1	5.24	0	0	2	MASCOT	T	
7.41E-03	0|0	Cs3g26970.1	4.68	0	0	2	MASCOT	T	PLEX8
3.68E-01	0|0	Cs3g26970.1	8.59	0	0	2	MASCOT	T	PLEX8
3.35E-02	0|0	Cs3g26970.1	8.59	0	0	2	MASCOT	T	
5.56E-02	0|0	Cs3g26970.1	4.91	0	0	2	MASCOT	T	PLEX8
1.24E-01	0|0	Cs3g26970.1	4.91	0	0	2	MASCOT	T	
1.84E-04	0|0	Cs3g26970.1	4.48	0	0	2	MASCOT	T	PLEX8
1.21E-01	0|0	Cs3g26970.1	4.48	0	0	2	MASCOT	T	PLEX8
1.96E-02	0|0	Cs3g26970.1	4.48	0	0	2	MASCOT	T	PLEX8
6.43E-02	0|0	Cs3g26970.1	4.48	0	0	2	MASCOT	T	PLEX8
8.74E-02	0|0	Cs3g26970.1	4.48	0	0	2	MASCOT	T	PLEX8
1.10E-01	0|0	Cs3g26970.1	4.48	0	0	2	MASCOT	T	PLEX8
8.23E-03	0|0	Cs3g26970.1	4.48	0	0	2	MASCOT	T	PLEX8
2.60E-01	0|0	Cs3g26970.1	4.48	0	0	2	MASCOT	T	PLEX8
3.81E-02	0|0	Cs3g26970.1	4.48	0	0	2	MASCOT	T	PLEX8
3.78E-02	0|0	Cs3g26970.1	4.48	0	0	2	MASCOT	T	PLEX8
1.01E-06	0|0	Cs3g26970.1	4.48	0	0	2	MASCOT	T	PLEX8
4.03E-03	0|0	Cs3g26970.1	4.48	0	0	2	MASCOT	T	PLEX8
9.75E-03	0|0	Cs3g26970.1	4.48	0	0	2	MASCOT	T	PLEX8
5.01E-04	0|0	Cs3g26970.1	4.48	0	0	2	MASCOT	T	PLEX8
5.84E-02	0|0	Cs3g26970.1	4.48	0	0	2	MASCOT	T	
1.17E-05	0|0	Cs3g26970.1	4.48	0	0	2	MASCOT	T	PLEX8
2.05E-01	0|0	Cs3g26970.1	6.72	0	0	2	MASCOT	T	PLEX8
1.08E-02	0|0	Cs3g26970.1	6.72	0	0	2	MASCOT	T	PLEX8
9.74E-02	0|0	Cs3g26970.1	6.72	0	0	2	MASCOT	T	PLEX8
1.65E-01	0|0	Cs3g26970.1	6.72	0	0	2	MASCOT	T	PLEX8
6.92E-02	0|0	Cs3g26970.1	6.72	0	0	2	MASCOT	T	PLEX8
4.93E-02	0|0	Cs3g26970.1	6.72	0	0	2	MASCOT	T	PLEX8
3.69E-01	0|0	Cs3g26970.1	6.72	0	0	2	MASCOT	T	PLEX8
2.84E-01	0|0	Cs3g26970.1	6.72	0	0	2	MASCOT	T	PLEX8
4.15E-01	0|0	Cs3g26970.1	6.72	0	0	2	MASCOT	T	PLEX8

2.65E-01	0|0	Cs3g26970.1	6.72	0	0	2	MASCOT	T	PLEX8	
3.38E-02	0|0	Cs3g26970.1	6.72	0	0	2	MASCOT	T	PLEX8	
3.76E-02	0|0	Cs3g26970.1	6.72	0	0	2	MASCOT	T	PLEX8	
9.45E-02	0|0	Cs3g26970.1	6.72	0	0	2	MASCOT	T	PLEX8	
4.63E-01	0|0	Cs3g26970.1	6.72	0	0	2	MASCOT	T		
5.56E-02	0|0	Cs3g26970.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
3.99E-01	0|0	Cs3g26970.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
2.20E-01	0|0	Cs3g26970.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
2.37E-01	0|0	Cs3g26970.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
2.33E-01	0|0	Cs3g26970.1	5.84	0	15.9	0	2	MASCOT	T	
3.96E-01	0|0	Cs3g26970.1	5.84	0	15.9	0	2	MASCOT	T	
2.75E-01	0|0	Cs3g26970.1	5.84	0	0	0	2	MASCOT	T	PLEX8
6.47E-04	0|0	Cs3g26970.1	5.84	0	0	0	2	MASCOT	T	PLEX8
2.85E-02	0|0	Cs3g26970.1	5.84	0	0	0	2	MASCOT	T	PLEX8
9.59E-03	0|0	Cs3g26970.1	5.84	0	0	0	2	MASCOT	T	PLEX8
1.39E-03	0|0	Cs5g06450.1	4.53	0	0	0	2	MASCOT	T	PLEX8
1.30E-04	0|0	Cs5g06450.1	4.53	0	0	0	2	MASCOT	T	
1.32E-06	0|0	Cs5g06450.1	4.53	0	0	0	2	MASCOT	T	
1.37E-04	0|0	Cs5g06450.1	4.53	0	0	0	2	MASCOT	T	
1.47E-03	0|0	Cs5g06450.1	4.53	0	0	0	2	MASCOT	T	
8.51E-03	0|0	Cs5g06450.1	4.53	0	0	0	2	MASCOT	T	PLEX8
9.28E-04	0|0	Cs5g06450.1	4.53	0	0	0	2	MASCOT	T	PLEX8
4.72E-03	0|0	Cs5g06450.1/Cs5g064	6.79	0	15.9	0	2	MASCOT	T	
1.60E-03	0|0	Cs5g06450.1/Cs5g064	6.79	0	15.9	0	2	MASCOT	T	PLEX8
2.19E-03	0|0	Cs5g06450.1/Cs5g064	6.79	0	15.9	0	2	MASCOT	T	PLEX8
5.42E-04	0|0	Cs5g06450.1/Cs5g064	6.79	0	15.9	0	2	MASCOT	T	PLEX8
6.50E-04	0|0	Cs5g06450.1/Cs5g064	6.79	0	15.9	0	2	MASCOT	T	PLEX8
5.79E-04	0|0	Cs5g06450.1/Cs5g064	6.79	0	0	0	2	MASCOT	T	PLEX8
1.01E-02	0|0	Cs5g06450.1/Cs5g064	6.79	0	0	0	2	MASCOT	T	
1.14E-03	0|0	Cs5g06450.1/Cs5g064	6.79	0	0	0	2	MASCOT	T	PLEX8
5.60E-04	0|0	Cs5g06450.1/Cs5g064	6.79	0	0	0	2	MASCOT	T	PLEX8
2.66E-01	0|0	Cs5g06450.1/Cs5g064	6	0	15.9	0	2	MASCOT	T	
9.21E-02	0|0	Cs5g06450.1/Cs5g064	6	0	15.9	0	2	MASCOT	T	PLEX8
1.58E-01	0|0	Cs5g06450.1/Cs5g064	6	0	0	0	2	MASCOT	T	PLEX8
1.18E-01	0|0	Cs5g06450.1/Cs5g064	6	0	0	0	2	MASCOT	T	PLEX8
8.54E-02	0|0	Cs5g06450.1/Cs5g064	4.03	0	0	0	2	MASCOT	T	PLEX8
1.50E-03	0|0	Cs5g06450.1/Cs5g064	4.03	0	0	0	2	MASCOT	T	PLEX8
9.35E-03	0|0	Cs5g06450.1/Cs5g064	4.03	0	0	0	2	MASCOT	T	
1.38E-03	0|0	Cs5g06450.1/Cs5g064	4.03	0	0	0	2	MASCOT	T	
3.17E-05	0|0	Cs5g06450.1/Cs5g064	4.03	0	0	0	2	MASCOT	T	
6.45E-03	0|0	Cs5g06450.1/Cs5g064	4.03	0	0	0	2	MASCOT	T	
1.69E-01	0|0	Cs5g06450.1/Cs5g064	4.03	0	0	0	2	MASCOT	T	
2.17E-04	0|0	Cs5g06450.1/Cs5g064	4.25	0	15.9	0	2	MASCOT	T	PLEX8
2.58E-04	0|0	Cs5g06450.1/Cs5g064	4.25	0	15.9	0	2	MASCOT	T	PLEX8
4.11E-03	0|0	Cs5g06450.1/Cs5g064	4.25	0	0	0	2	MASCOT	T	PLEX8
6.85E-02	0|0	Cs5g06450.1/Cs5g064	4.25	0	0	0	2	MASCOT	T	PLEX8
4.00E-06	0|0	Cs5g06450.1/Cs5g064	4.25	0	0	0	2	MASCOT	T	PLEX8
7.60E-02	0|0	Cs5g06450.1/Cs5g064	4.37	0	0	0	2	MASCOT	T	
2.20E-01	0|0	Cs5g06450.1/Cs5g064	4.37	0	0	0	2	MASCOT	T	
6.09E-03	0|0	Cs5g06450.1/Cs5g064	4.37	0	0	0	2	MASCOT	T	PLEX8
6.89E-02	0|0	Cs5g06450.1/Cs5g064	5.4	0	0	0	2	MASCOT	T	PLEX8

4.62E-02	0|0	Cs5g06450.1/Cs5g064	5.4	0	0	2	MASCOT	T	PLEX8
1.33E-02	0|0	Cs5g06450.1/Cs5g064	5.4	0	0	2	MASCOT	T	PLEX8
1.15E-01	0|0	Cs5g06450.1/Cs5g064	5.4	0	0	2	MASCOT	T	PLEX8
4.92E-02	0|0	Cs5g06450.1/Cs5g064	5.4	0	0	2	MASCOT	T	PLEX8
4.81E-02	0|0	Cs5g06450.1/Cs5g064	5.4	0	0	2	MASCOT	T	PLEX8
6.73E-03	0|0	Cs5g06450.1/Cs5g064	5.4	0	0	2	MASCOT	T	PLEX8
3.87E-02	0|0	Cs5g06450.1/Cs5g064	5.4	0	0	2	MASCOT	T	PLEX8
1.00E-01	0|0	Cs5g06450.1/Cs5g064	5.4	0	0	2	MASCOT	T	PLEX8
2.33E-02	0|0	Cs5g06450.1/Cs5g064	5.4	0	0	2	MASCOT	T	PLEX8
5.24E-02	0|0	Cs5g06450.1/Cs5g064	4.37	0	0	2	MASCOT	T	PLEX8
4.28E-01	0|0	orange1.1t02240.1/ora	8.8	0	0	2	MASCOT	T	PLEX8
1.50E-04	0|0	orange1.1t02240.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
3.92E-05	0|0	orange1.1t02240.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
5.74E-02	0|0	orange1.1t02240.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
6.99E-03	0|0	orange1.1t02240.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
8.20E-04	0|0	orange1.1t02240.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
2.82E-02	0|0	orange1.1t02240.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
1.12E-04	0|0	orange1.1t02240.1/ora	4.37	0	0	2	MASCOT	T	
5.75E-02	0|0	orange1.1t02240.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
8.39E-05	0|0	orange1.1t02240.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
2.19E-01	0|0	orange1.1t02240.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
2.31E-01	0|0	orange1.1t02240.1/ora	4.37	0	0	2	MASCOT	T	
4.51E-02	0|0	orange1.1t02240.1/ora	6.1	0	0	2	MASCOT	T	PLEX8
5.22E-03	0|0	orange1.1t02240.1/ora	6.1	0	0	2	MASCOT	T	PLEX8
2.34E-01	0|0	orange1.1t02240.1/ora	6.1	0	0	2	MASCOT	T	PLEX8
5.84E-03	0|0	orange1.1t02240.1/ora	6.1	0	0	2	MASCOT	T	PLEX8
1.39E-01	0|0	orange1.1t02240.1/ora	6.1	0	0	2	MASCOT	T	PLEX8
2.75E-01	0|0	orange1.1t02240.1/ora	6.1	0	0	2	MASCOT	T	
5.87E-03	0|0	orange1.1t02240.1/ora	6.1	0	0	2	MASCOT	T	PLEX8
5.28E-03	0|0	orange1.1t02240.1/ora	6.1	0	0	2	MASCOT	T	PLEX8
1.42E-02	0|0	orange1.1t02240.1/ora	6	0	0	2	MASCOT	T	PLEX8
5.39E-03	0|0	orange1.1t02240.1/ora	6	0	0	2	MASCOT	T	PLEX8
2.27E-02	0|0	orange1.1t02240.1/ora	6	0	0	2	MASCOT	T	PLEX8
1.54E-01	0|0	orange1.1t02240.1/ora	6	0	0	2	MASCOT	T	
2.95E-01	0|0	orange1.1t02240.1/ora	6	0	0	2	MASCOT	T	
2.44E-02	0|0	orange1.1t02240.1/ora	6	0	0	2	MASCOT	T	PLEX8
1.50E-02	0|0	orange1.1t02240.1/ora	6	0	0	2	MASCOT	T	PLEX8
5.54E-02	0|0	orange1.1t02240.1/ora	4.37	0	15.9	0	2	MASCOT	T
3.54E-02	0|0	orange1.1t02240.1/ora	4.37	0	15.9	0	2	MASCOT	T
7.08E-03	0|0	orange1.1t02240.1/ora	4.37	0	15.9	0	2	MASCOT	T
1.38E-04	0|0	orange1.1t02240.1/ora	4.37	0	15.9	0	2	MASCOT	T
7.38E-03	0|0	orange1.1t02240.1/ora	4.37	0	15.9	0	2	MASCOT	T
4.94E-02	0|0	orange1.1t02240.1/ora	4.37	0	15.9	0	2	MASCOT	T
1.53E-01	0|0	orange1.1t02240.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
2.52E-04	0|0	orange1.1t02240.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
5.03E-03	0|0	orange1.1t02240.1/ora	4.37	0	0	2	MASCOT	T	
4.08E-02	0|0	orange1.1t02240.1/ora	4.37	0	0	2	MASCOT	T	
1.85E-04	0|0	orange1.1t02240.1/ora	4.37	0	0	2	MASCOT	T	
1.19E-01	0|0	orange1.1t02240.1/ora	5.84	0	15.9	0	2	MASCOT	T
6.49E-02	0|0	orange1.1t02240.1/ora	9.75	0	0	2	MASCOT	T	PLEX8
1.03E-01	0|0	orange1.1t02240.1/ora	6	0	0	2	MASCOT	T	PLEX8

9.35E-02 0|0	Cs3g25080.1	4.22	0	0	2	MASCOT	T	PLEX8	
1.03E-02 0|0	Cs3g25080.1	4.22	0	0	2	MASCOT	T	PLEX8	
3.94E-04 0|0	Cs3g25080.1	4.22	0	0	2	MASCOT	T	PLEX8	
3.38E-02 0|0	Cs3g25080.1	4.22	0	0	2	MASCOT	T	PLEX8	
8.10E-02 0|0	Cs3g25080.1	4.22	0	0	2	MASCOT	T		
1.27E-02 0|0	Cs3g25080.1	6.78	0	15.9	0	2	MASCOT	T	PLEX8
5.63E-03 0|0	Cs3g25080.1	6.78	0	0	2	MASCOT	T	PLEX8	
4.31E-02 0|0	Cs3g25080.1	6.78	0	0	2	MASCOT	T	PLEX8	
5.43E-04 0|0	Cs3g25080.1	6.78	0	0	2	MASCOT	T	PLEX8	
1.81E-02 0|0	Cs3g25080.1	6.78	0	0	2	MASCOT	T	PLEX8	
1.66E-01 0|0	Cs7g27720.1/Cs7g277	8.75	0	0	2	MASCOT	T	PLEX8	
1.04E-02 0|0	Cs3g25080.1	4.37	0	0	2	MASCOT	T	PLEX8	
9.78E-03 0|0	Cs3g25080.1	4.37	0	0	2	MASCOT	T	PLEX8	
4.73E-02 0|0	Cs3g25080.1	4.37	0	0	2	MASCOT	T	PLEX8	
5.38E-02 0|0	Cs3g25080.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.64E-02 0|0	Cs3g25080.1	4.37	0	0	2	MASCOT	T	PLEX8	
6.33E-03 0|0	Cs3g25080.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.08E-02 0|0	Cs3g25080.1	4.37	0	0	2	MASCOT	T		
6.07E-05 0|0	Cs3g25080.1	4.37	0	0	2	MASCOT	T	PLEX8	
8.97E-02 0|0	Cs3g25080.1	6.69	0	15.9	0	2	MASCOT	T	PLEX8
2.33E-01 0|0	Cs3g25080.1	6.69	0	15.9	0	2	MASCOT	T	PLEX8
1.54E-01 0|0	Cs3g25080.1	6.69	0	15.9	0	2	MASCOT	T	
2.66E-02 0|0	Cs3g25080.1	6.69	0	15.9	0	2	MASCOT	T	PLEX8
1.91E-01 0|0	Cs3g25080.1	6.69	0	0	2	MASCOT	T	PLEX8	
2.26E-01 0|0	Cs3g25080.1	6.69	0	0	2	MASCOT	T		
3.74E-02 0|0	Cs3g25080.1	5.21	0	0	2	MASCOT	T	PLEX8	
4.08E-05 0|0	Cs3g25080.1	5.21	0	0	2	MASCOT	T	PLEX8	
1.82E-01 0|0	Cs3g25080.1	5.21	0	0	2	MASCOT	T	PLEX8	
3.05E-03 0|0	Cs3g25080.1	5.21	0	0	2	MASCOT	T		
3.31E-02 0|0	Cs3g25080.1	5.21	0	0	2	MASCOT	T	PLEX8	
7.74E-06 0|0	Cs3g25080.1	5.21	0	0	2	MASCOT	T	PLEX8	
1.82E-01 0|0	Cs3g25080.1	5.21	0	0	2	MASCOT	T	PLEX8	
1.77E-01 0|0	Cs3g25080.1	5.21	0	0	2	MASCOT	T	PLEX8	
1.29E-02 0|0	Cs3g25080.1	5.21	0	0	2	MASCOT	T		
1.69E-01 0|0	Cs3g25080.1	5.84	0	0	2	MASCOT	T	PLEX8	
1.60E-01 0|0	Cs3g25080.1	5.84	0	0	2	MASCOT	T	PLEX8	
3.66E-03 0|0	Cs7g11140.1/Cs7g111	3.93	0	15.9	0	2	MASCOT	T	PLEX8
7.10E-02 0|0	Cs7g11140.1/Cs7g111	3.93	0	15.9	0	2	MASCOT	T	PLEX8
2.98E-02 0|0	Cs7g11140.1/Cs7g111	3.93	0	15.9	0	2	MASCOT	T	PLEX8
7.08E-03 0|0	Cs7g11140.1/Cs7g111	3.93	0	15.9	0	2	MASCOT	T	PLEX8
4.10E-04 0|0	Cs7g11140.1/Cs7g111	3.93	0	0	2	MASCOT	T	PLEX8	
4.67E-04 0|0	Cs7g11140.1/Cs7g111	3.93	0	0	2	MASCOT	T	PLEX8	
1.27E-05 0|0	Cs7g11140.1/Cs7g111	3.93	0	0	2	MASCOT	T	PLEX8	
1.15E-02 0|0	Cs7g11140.1/Cs7g111	3.93	0	0	2	MASCOT	T	PLEX8	
3.41E-03 0|0	Cs7g11140.1/Cs7g111	3.93	0	0	2	MASCOT	T	PLEX8	
9.66E-02 0|0	Cs7g11140.1/Cs7g111	3.93	0	0	2	MASCOT	T	PLEX8	
9.78E-03 0|0	Cs7g11140.1/Cs7g111	3.93	0	0	2	MASCOT	T		
2.23E-02 0|0	Cs7g11140.1/Cs7g111	9.76	0	0	2	MASCOT	T	PLEX8	
1.04E-01 0|0	Cs7g11140.1/Cs7g111	9.76	0	0	2	MASCOT	T	PLEX8	
5.07E-02 0|0	Cs7g11140.1/Cs7g111	9.76	0	0	2	MASCOT	T		
1.27E-02 0|0	Cs7g11140.1	4.14	1	0	2	MASCOT	T	PLEX8	

1.10E-02	0|0	Cs7g11140.1	4.14	0	0	2	MASCOT	T	
6.35E-02	0|0	Cs7g11140.1	4.14	0	0	2	MASCOT	T	
4.62E-02	0|0	Cs7g11140.1	4.14	0	0	2	MASCOT	T	
1.29E-02	0|0	Cs7g11140.1	4.14	0	0	2	MASCOT	T	
3.09E-01	0|0	Cs7g11140.1 ! Cs7g11	8.23	0	15.9	0	2	MASCOT	T PLEX8
1.57E-01	0|0	Cs5g30600.1/Cs5g306	6.04	0	0	2	MASCOT	T	PLEX8
1.70E-01	0|0	Cs5g30600.1/Cs5g306	6.04	0	0	2	MASCOT	T	PLEX8
1.53E-01	0|0	Cs5g30600.1/Cs5g306	6.04	0	0	2	MASCOT	T	PLEX8
1.48E-01	0|0	Cs5g30600.1/Cs5g306	6.04	0	0	2	MASCOT	T	PLEX8
8.13E-02	0|0	Cs5g30600.1/Cs5g306	6.04	0	0	2	MASCOT	T	PLEX8
1.75E-01	0|0	Cs5g30600.1/Cs5g306	6.04	0	0	2	MASCOT	T	PLEX8
3.62E-01	0|0	Cs7g11140.1	5.32	0	15.9	0	2	MASCOT	T PLEX8
4.16E-02	0|0	Cs7g11140.1	5.32	0	15.9	0	2	MASCOT	T PLEX8
1.39E-02	0|0	Cs7g11140.1	5.32	0	15.9	0	2	MASCOT	T PLEX8
1.70E-03	0|0	Cs7g11140.1	5.32	0	15.9	0	2	MASCOT	T
2.00E-03	0|0	Cs7g11140.1	5.32	0	15.9	0	2	MASCOT	T PLEX8
3.08E-05	0|0	Cs7g11140.1	5.32	0	0	2	MASCOT	T	PLEX8
7.94E-02	0|0	Cs7g11140.1	5.32	0	0	2	MASCOT	T	PLEX8
1.24E-04	0|0	Cs7g11140.1	5.32	0	0	2	MASCOT	T	PLEX8
3.93E-01	0|0	Cs7g11140.1	5.32	0	0	2	MASCOT	T	
2.07E-04	0|0	Cs7g11140.1/Cs7g111	4.03	0	0	2	MASCOT	T	
1.66E-01	0|0	Cs3g10200.1/Cs3g102	6.04	0	0	2	MASCOT	T	PLEX8
3.13E-01	0|0	Cs3g10200.1/Cs3g102	6.04	0	0	2	MASCOT	T	PLEX8
4.92E-02	0|0	Cs3g10200.1/Cs3g102	4.37	0	0	2	MASCOT	T	PLEX8
1.48E-01	0|0	Cs3g10200.1/Cs3g102	4.37	0	0	2	MASCOT	T	
4.12E-03	0|0	Cs3g10200.1/Cs3g102	4.37	0	0	2	MASCOT	T	PLEX8
1.53E-01	0|0	Cs3g10200.1/Cs3g102	4.37	0	0	2	MASCOT	T	PLEX8
1.03E-02	0|0	Cs3g10200.1/Cs3g102	4.37	0	0	2	MASCOT	T	
7.94E-02	0|0	Cs3g10200.1/Cs3g102	4.37	0	0	2	MASCOT	T	
1.48E-01	0|0	Cs3g10200.1/Cs3g102	4.37	0	0	2	MASCOT	T	
8.22E-02	0|0	Cs3g10200.1/Cs3g102	4.37	0	0	2	MASCOT	T	
1.64E-02	0|0	Cs3g10200.1/Cs3g102	4.37	0	0	2	MASCOT	T	
2.15E-02	0|0	Cs3g10200.1/Cs3g102	4.37	0	0	2	MASCOT	T	
8.30E-03	0|0	Cs3g10200.1/Cs3g102	4.37	0	0	2	MASCOT	T	
1.64E-02	0|0	Cs3g10200.1/Cs3g102	4.37	0	0	2	MASCOT	T	
8.46E-02	0|0	Cs3g10200.1/Cs3g102	4.37	0	0	2	MASCOT	T	
2.57E-02	0|0	Cs3g10200.1/Cs3g102	6.85	0	0	2	MASCOT	T	
1.29E-01	0|0	Cs3g10200.1/Cs3g102	6.85	0	0	2	MASCOT	T	PLEX8
1.93E-01	0|0	Cs3g10200.1/Cs3g102	9.75	0	0	2	MASCOT	T	PLEX8
1.64E-04	0|0	Cs3g10200.1/Cs3g102	4.37	0	0	2	MASCOT	T	
4.74E-06	0|0	Cs3g10200.1/Cs3g102	4.37	0	0	2	MASCOT	T	
3.19E-02	0|0	Cs3g10200.1/Cs3g102	4.37	0	0	2	MASCOT	T	
3.69E-04	0|0	Cs3g10200.1/Cs3g102	4.37	0	0	2	MASCOT	T	
3.74E-03	0|0	Cs3g10200.1/Cs3g102	9.75	0	0	2	MASCOT	T	PLEX8
1.30E-02	0|0	Cs3g10200.1/Cs3g102	9.75	0	0	2	MASCOT	T	PLEX8
2.47E-02	0|0	Cs3g10200.1/Cs3g102	3.84	1	0	2	MASCOT	T	PLEX8
2.56E-02	0|0	Cs3g10200.1/Cs3g102	3.84	1	0	2	MASCOT	T	PLEX8
1.37E-01	0|0	Cs3g10200.1/Cs3g102	5.72	0	0	2	MASCOT	T	PLEX8
2.72E-01	0|0	Cs3g10200.1/Cs3g102	5.72	0	0	2	MASCOT	T	PLEX8
4.01E-01	0|0	Cs3g10200.1/Cs3g102	5.72	0	0	2	MASCOT	T	PLEX8
8.05E-02	0|0	Cs3g10200.1/Cs3g102	5.72	0	0	2	MASCOT	T	PLEX8

4.87E-02	0|0	Cs3g10200.1/Cs3g102	5.72	0	0	2	MASCOT	T	PLEX8
3.42E-02	0|0	Cs2g16200.1/Cs2g162	4.21	0	0	2	MASCOT	T	PLEX8
8.89E-03	0|0	Cs2g16200.1/Cs2g162	4.21	0	0	2	MASCOT	T	PLEX8
3.97E-02	0|0	Cs2g16200.1/Cs2g162	4.03	0	0	2	MASCOT	T	PLEX8
3.86E-04	0|0	Cs2g16200.1/Cs2g162	4.25	0	0	2	MASCOT	T	PLEX8
2.08E-03	0|0	Cs2g16200.1/Cs2g162	4.25	0	0	2	MASCOT	T	PLEX8
2.38E-01	0|0	Cs2g16200.1/Cs2g162	4.25	0	0	2	MASCOT	T	PLEX8
6.18E-03	0|0	Cs2g16200.1/Cs2g162	4.25	0	0	2	MASCOT	T	PLEX8
1.17E-01	0|0	Cs2g16200.1/Cs2g162	8.75	0	0	2	MASCOT	T	PLEX8
1.14E-01	0|0	Cs2g16200.1/Cs2g162	8.75	0	0	2	MASCOT	T	PLEX8
1.75E-01	0|0	Cs2g16200.1/Cs2g162	8.75	0	0	2	MASCOT	T	PLEX8
1.57E-04	0|0	Cs2g16220.1/Cs2g162	4.14	0	0	2	MASCOT	T	PLEX8
2.09E-01	0|0	Cs2g16220.1/Cs2g162	4.14	0	0	2	MASCOT	T	
6.39E-06	0|0	Cs2g16220.1/Cs2g162	4.14	0	0	2	MASCOT	T	
1.83E-01	0|0	Cs2g16200.1/Cs2g162	5.55	0	0	2	MASCOT	T	PLEX8
3.97E-03	0|0	Cs2g16240.1 ! Cs2g16	5.81	0	0	2	MASCOT	T	PLEX8
4.26E-02	0|0	Cs2g16240.1 ! Cs2g16	5.81	0	0	2	MASCOT	T	PLEX8
3.49E-02	0|0	Cs2g16240.1 ! Cs2g16	5.81	0	0	2	MASCOT	T	PLEX8
5.71E-02	0|0	Cs2g16240.1 ! Cs2g16	5.81	0	0	2	MASCOT	T	PLEX8
4.40E-02	0|0	Cs2g16240.1 ! Cs2g16	5.81	0	0	2	MASCOT	T	PLEX8
1.60E-03	0|0	Cs2g16240.1 ! Cs2g16	5.81	0	0	2	MASCOT	T	PLEX8
3.85E-01	0|0	Cs2g16240.1 ! Cs2g16	5.81	0	0	2	MASCOT	T	
8.27E-02	0|0	Cs2g16240.1 ! Cs2g16	5.81	0	0	2	MASCOT	T	PLEX8
1.18E-01	0|0	Cs2g16240.1 ! Cs2g16	5.81	0	0	2	MASCOT	T	PLEX8
1.63E-03	0|0	Cs2g16240.1 ! Cs2g16	5.81	0	0	2	MASCOT	T	PLEX8
1.00E-01	0|0	Cs2g16240.1 ! Cs2g16	5.81	0	0	2	MASCOT	T	PLEX8
5.04E-03	0|0	Cs2g16240.1 ! Cs2g16	5.81	0	0	2	MASCOT	T	PLEX8
2.20E-03	0|0	Cs2g16240.1 ! Cs2g16	5.81	0	0	2	MASCOT	T	PLEX8
2.44E-03	0|0	Cs2g16220.1/Cs2g162	6.72	0	0	2	MASCOT	T	PLEX8
4.55E-03	0|0	Cs2g16220.1/Cs2g162	6.72	0	0	2	MASCOT	T	PLEX8
3.18E-01	0|0	Cs2g16220.1/Cs2g162	6.72	0	0	2	MASCOT	T	PLEX8
1.01E-03	0|0	orange1.1t01990.1	4.32	0	0	2	MASCOT	T	PLEX8
1.24E-01	0|0	orange1.1t01990.1	4.32	0	0	2	MASCOT	T	PLEX8
5.61E-02	0|0	orange1.1t01990.1	6.74	0	0	2	MASCOT	T	
1.95E-02	0|0	orange1.1t01990.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
1.67E-02	0|0	orange1.1t01990.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
1.31E-02	0|0	orange1.1t01990.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
1.10E-01	0|0	orange1.1t01990.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
6.98E-02	0|0	orange1.1t01990.1/ora	4.37	0	0	2	MASCOT	T	
2.74E-02	0|0	orange1.1t01990.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
5.97E-03	0|0	orange1.1t01990.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
1.35E-02	0|0	orange1.1t01990.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
6.09E-05	0|0	orange1.1t01990.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
2.58E-02	0|0	orange1.1t01990.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
3.32E-02	0|0	orange1.1t01990.1/ora	4.37	0	0	2	MASCOT	T	
5.40E-03	0|0	orange1.1t01990.1	5.84	0	0	2	MASCOT	T	
3.82E-03	0|0	orange1.1t01990.1	5.84	0	0	2	MASCOT	T	
1.62E-01	0|0	orange1.1t01990.1	5.84	0	0	2	MASCOT	T	
1.85E-02	0|0	orange1.1t01990.1	10.84	1	0	2	MASCOT	T	PLEX8
8.57E-02	0|0	orange1.1t01990.1	10.84	1	0	2	MASCOT	T	PLEX8
1.21E-03	0|0	orange1.1t01990.1	10.84	1	0	2	MASCOT	T	PLEX8

1.94E-01	0|0	orange1.1t01990.1	8.75	0	15.9	0	2	MASCOT	T	PLEX8
1.20E-01	0|0	orange1.1t01990.1	8.75	0		0	2	MASCOT	T	PLEX8
2.82E-01	0|0	orange1.1t01990.1	8.75	0		0	2	MASCOT	T	PLEX8
1.76E-06	0|0	orange1.1t01990.1	5.97	0		0	2	MASCOT	T	PLEX8
6.22E-04	0|0	orange1.1t01990.1	5.97	0		0	2	MASCOT	T	PLEX8
3.79E-01	0|0	orange1.1t01990.1	5.97	0		0	2	MASCOT	T	PLEX8
5.61E-03	0|0	orange1.1t01990.1	5.97	0		0	2	MASCOT	T	PLEX8
1.97E-04	0|0	orange1.1t01990.1	5.97	0		0	2	MASCOT	T	PLEX8
1.64E-01	0|0	orange1.1t01990.1	5.84	0	15.9	0	2	MASCOT	T	
2.43E-01	0|0	orange1.1t01990.1	5.84	0		0	2	MASCOT	T	PLEX8
2.02E-01	0|0	Cs1g20220.1/Cs1g202	5.84	0		0	2	MASCOT	T	
1.98E-02	0|0	Cs4g12620.1/Cs5g079	4.25	0		0	2	MASCOT	T	PLEX8
1.53E-01	0|0	Cs1g20220.1/Cs1g202	4.53	0		0	2	MASCOT	T	PLEX8
9.87E-02	0|0	Cs5g07950.1/Cs8g058	5.84	0		0	2	MASCOT	T	PLEX8
5.89E-04	0|0	Cs5g07950.1/Cs8g058	5.84	0		0	2	MASCOT	T	PLEX8
1.76E-02	0|0	orange1.1t01991.1/ora	5.3	0		0	2	MASCOT	T	PLEX8
1.28E-03	0|0	orange1.1t01991.1/ora	5.3	0		0	2	MASCOT	T	PLEX8
2.41E-02	0|0	orange1.1t01991.1/ora	5.3	0		0	2	MASCOT	T	PLEX8
9.53E-02	0|0	orange1.1t01991.1/ora	5.3	0		0	2	MASCOT	T	
1.66E-05	0|0	orange1.1t01991.1/ora	5.3	0		0	2	MASCOT	T	
2.67E-02	0|0	orange1.1t01991.1/ora	5.3	0		0	2	MASCOT	T	
4.82E-02	0|0	Cs3g17990.1/Cs6g036	4.53	0		0	2	MASCOT	T	PLEX8
1.30E-02	0|0	Cs3g17990.1/Cs6g036	4.53	0		0	2	MASCOT	T	PLEX8
1.55E-01	0|0	Cs3g17990.1/Cs6g036	4.53	0		0	2	MASCOT	T	PLEX8
3.80E-02	0|0	Cs3g17990.1/Cs6g036	4.53	0		0	2	MASCOT	T	PLEX8
2.16E-01	0|0	Cs1g20220.1/Cs1g202	8.59	0		0	2	MASCOT	T	PLEX8
7.83E-03	0|0	Cs1g20220.1/Cs1g202	8.59	0		0	2	MASCOT	T	PLEX8
2.11E-02	0|0	Cs1g20220.1/Cs1g202	8.59	0		0	2	MASCOT	T	PLEX8
4.75E-02	0|0	Cs1g20220.1/Cs1g202	8.59	0		0	2	MASCOT	T	PLEX8
2.21E-01	0|0	Cs1g20220.1/Cs1g202	8.59	0		0	2	MASCOT	T	PLEX8
4.29E-03	0|0	Cs1g20220.1/Cs1g202	8.59	0		0	2	MASCOT	T	PLEX8
1.78E-02	0|0	Cs1g20220.1/Cs1g202	8.59	0		0	2	MASCOT	T	PLEX8
1.09E-01	0|0	Cs1g20220.1/Cs1g202	8.59	0		0	2	MASCOT	T	PLEX8
4.07E-02	0|0	Cs1g20220.1/Cs1g202	8.59	0		0	2	MASCOT	T	PLEX8
5.17E-02	0|0	Cs1g20220.1/Cs1g202	8.59	0		0	2	MASCOT	T	
5.08E-02	0|0	Cs1g20220.1/Cs1g202	8.59	0		0	2	MASCOT	T	
2.10E-01	0|0	Cs1g20220.1/Cs1g202	6	0		0	2	MASCOT	T	
3.14E-01	0|0	Cs1g20220.1/Cs1g202	6	0		0	2	MASCOT	T	
2.52E-01	0|0	Cs1g20220.1/Cs1g202	6	0		0	2	MASCOT	T	
1.76E-01	0|0	Cs5g03830.1/Cs5g038	4.37	0		0	2	MASCOT	T	PLEX8
2.44E-01	0|0	Cs5g03830.1/Cs5g038	4.37	0		0	2	MASCOT	T	PLEX8
2.34E-01	0|0	Cs5g03830.1/Cs5g038	4.37	0		0	2	MASCOT	T	PLEX8
9.29E-02	0|0	Cs5g03830.1/Cs5g038	4.37	0		0	2	MASCOT	T	PLEX8
2.76E-01	0|0	Cs5g03830.1/Cs5g038	4.37	0		0	2	MASCOT	T	PLEX8
1.52E-01	0|0	Cs5g03830.1/Cs5g038	4.37	0		0	2	MASCOT	T	PLEX8
3.53E-01	0|0	Cs5g03830.1/Cs5g038	4.37	0		0	2	MASCOT	T	PLEX8
8.43E-02	0|0	Cs5g03830.1/Cs5g038	4.37	0		0	2	MASCOT	T	PLEX8
2.38E-01	0|0	Cs5g03830.1/Cs5g038	4.37	0		0	2	MASCOT	T	PLEX8
4.34E-01	0|0	Cs5g03830.1/Cs5g038	4.37	0		0	2	MASCOT	T	PLEX8
2.61E-01	0|0	Cs5g03830.1/Cs5g038	4.37	0		0	2	MASCOT	T	PLEX8
2.48E-01	0|0	Cs5g03830.1/Cs5g038	4.37	0		0	2	MASCOT	T	PLEX8

6.38E-02	0|0	Cs5g03830.1/Cs5g038	4.37	0	0	2	MASCOT	T	PLEX8	
6.36E-02	0|0	Cs5g03830.1/Cs5g038	4.53	0	0	2	MASCOT	T	PLEX8	
9.17E-02	0|0	Cs5g03830.1/Cs5g038	4.53	0	0	2	MASCOT	T	PLEX8	
7.59E-02	0|0	Cs5g03830.1/Cs5g038	4.68	1	0	2	MASCOT	T	PLEX8	
5.18E-02	0|0	Cs5g03830.1/Cs5g038	5.84	0	0	2	MASCOT	T	PLEX8	
6.60E-03	0|0	Cs5g03830.1/Cs5g038	5.84	0	0	2	MASCOT	T	PLEX8	
3.14E-02	0|0	Cs5g03830.1/Cs5g038	5.84	0	0	2	MASCOT	T	PLEX8	
3.07E-03	0|0	Cs5g03830.1/Cs5g038	5.84	0	0	2	MASCOT	T	PLEX8	
2.53E-03	0|0	Cs5g03830.1/Cs5g038	5.84	0	0	2	MASCOT	T	PLEX8	
4.89E-04	0|0	Cs1g10745.1/Cs1g190	4.21	0	0	2	MASCOT	T	PLEX8	
2.73E-03	0|0	Cs1g10745.1/Cs1g190	4.21	0	0	2	MASCOT	T	PLEX8	
4.07E-02	0|0	Cs5g03830.1/Cs5g038	6.41	0	0	2	MASCOT	T	PLEX8	
1.77E-05	0|0	Cs5g03830.1/Cs5g038	4.21	0	0	2	MASCOT	T	PLEX8	
1.73E-05	0|0	Cs5g03830.1/Cs5g038	4.21	0	0	2	MASCOT	T	PLEX8	
6.06E-04	0|0	Cs5g03830.1	6	0	0	2	MASCOT	T	PLEX8	
1.91E-03	0|0	Cs5g03830.1	6	0	0	2	MASCOT	T	PLEX8	
2.59E-01	0|0	Cs9g16030.2/Cs9g160	6.85	0	0	2	MASCOT	T	PLEX8	
1.41E-01	0|0	Cs9g16030.2/Cs9g160	6.85	0	0	2	MASCOT	T		
1.19E-01	0|0	Cs9g16030.2/Cs9g160	6.85	0	0	2	MASCOT	T		
1.80E-01	0|0	Cs9g16030.2/Cs9g160	4.37	0	0	2	MASCOT	T	PLEX8	
2.63E-01	0|0	Cs9g16030.2/Cs9g160	4.37	0	0	2	MASCOT	T	PLEX8	
3.76E-01	0|0	Cs9g16030.2/Cs9g160	4.37	0	0	2	MASCOT	T	PLEX8	
2.69E-01	0|0	Cs9g16030.2/Cs9g160	4.37	0	0	2	MASCOT	T	PLEX8	
5.15E-02	0|0	Cs9g16030.1/Cs9g160	4.68	0	0	2	MASCOT	T	PLEX8	
2.14E-01	0|0	Cs9g16030.2	4.37	0	0	2	MASCOT	T	PLEX8	
3.12E-01	0|0	Cs9g16030.2	4.37	0	0	2	MASCOT	T	PLEX8	
3.14E-04	0|0	Cs9g16030.2	4.37	0	0	2	MASCOT	T	PLEX8	
2.42E-04	0|0	Cs9g16030.2	4.37	0	0	2	MASCOT	T	PLEX8	
1.21E-02	0|0	Cs9g16030.2	4.37	0	0	2	MASCOT	T	PLEX8	
7.09E-03	0|0	Cs9g16030.2	4.37	0	0	2	MASCOT	T	PLEX8	
1.32E-02	0|0	Cs9g16030.1/Cs9g160	4.37	0	0	2	MASCOT	T	PLEX8	
2.72E-01	0|0	Cs9g16030.1/Cs9g160	4.37	0	0	2	MASCOT	T	PLEX8	
3.30E-02	0|0	Cs9g16030.1/Cs9g160	4.37	0	0	2	MASCOT	T	PLEX8	
6.88E-02	0|0	Cs9g16030.1/Cs9g160	4.37	0	0	2	MASCOT	T	PLEX8	
1.85E-01	0|0	Cs9g16030.1/Cs9g160	4.37	0	0	2	MASCOT	T		
1.72E-02	0|0	Cs9g16030.1/Cs9g160	8.8	0	0	2	MASCOT	T	PLEX8	
1.62E-01	0|0	Cs9g16030.1/Cs9g160	8.8	0	0	2	MASCOT	T	PLEX8	
2.14E-01	0|0	Cs9g16030.1/Cs9g160	8.8	0	0	2	MASCOT	T	PLEX8	
2.93E-01	0|0	Cs9g16030.1/Cs9g160	4.53	0	0	2	MASCOT	T	PLEX8	
3.25E-03	0|0	Cs9g16030.1/Cs9g160	4.53	0	15.9	0	2	MASCOT	T	PLEX8
1.34E-01	0|0	Cs9g16030.1/Cs9g160	4.53	0	0	2	MASCOT	T	PLEX8	
7.30E-02	0|0	Cs9g16030.1/Cs9g160	4.53	0	0	2	MASCOT	T	PLEX8	
1.39E-03	0|0	Cs9g16030.1/Cs9g160	4.53	0	0	2	MASCOT	T	PLEX8	
1.03E-03	0|0	Cs9g16030.1/Cs9g160	4.53	0	0	2	MASCOT	T	PLEX8	
9.36E-03	0|0	Cs5g32800.1	4.65	0	0	2	MASCOT	T		
1.56E-01	0|0	Cs5g32800.1	4.65	0	0	2	MASCOT	T		
3.78E-02	0|0	Cs5g32800.1	4	0	15.9	0	2	MASCOT	T	PLEX8
6.71E-02	0|0	Cs5g32800.1	4	0	15.9	0	2	MASCOT	T	PLEX8
6.38E-02	0|0	Cs5g32800.1	4	0	0	2	MASCOT	T		
1.18E-03	0|0	Cs5g32800.1	4	0	0	2	MASCOT	T		
5.11E-02	0|0	Cs5g32800.1	4.14	0	0	2	MASCOT	T	PLEX8	

3.44E-02	0|0	Cs5g32800.1	4.14	0	0	2	MASCOT	T	PLEX8	
5.51E-04	0|0	Cs5g32800.1	4.14	0	0	2	MASCOT	T	PLEX8	
1.19E-02	0|0	Cs5g32800.1	4.14	0	0	2	MASCOT	T	PLEX8	
1.96E-01	0|0	Cs5g32800.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.27E-01	0|0	Cs5g32800.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.38E-01	0|0	Cs5g32800.1	4.37	0	0	2	MASCOT	T	PLEX8	
5.67E-02	0|0	Cs5g32800.1	9.73	0	0	2	MASCOT	T	PLEX8	
1.45E-04	0|0	Cs5g32800.1	9.73	0	0	2	MASCOT	T	PLEX8	
4.49E-02	0|0	Cs5g32800.1	9.73	0	0	2	MASCOT	T	PLEX8	
8.61E-02	0|0	Cs5g32800.1	8.73	1	0	2	MASCOT	T	PLEX8	
3.69E-04	0|0	Cs5g32800.1	4.37	0	0	2	MASCOT	T	PLEX8	
3.62E-05	0|0	Cs5g32800.1	4.37	0	0	2	MASCOT	T	PLEX8	
4.30E-01	0|0	Cs5g32800.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.19E-01	0|0	Cs5g32800.1	5.97	0	0	2	MASCOT	T	PLEX8	
3.15E-01	0|0	Cs5g32800.1	5.97	0	0	2	MASCOT	T	PLEX8	
4.50E-03	0|0	Cs5g32800.1	5.97	0	0	2	MASCOT	T	PLEX8	
2.93E-02	0|0	Cs5g32800.1	5.97	0	0	2	MASCOT	T	PLEX8	
1.54E-01	0|0	Cs5g32800.1	5.97	0	0	2	MASCOT	T	PLEX8	
2.50E-02	0|0	Cs5g32800.1	5.97	0	0	2	MASCOT	T	PLEX8	
1.14E-01	0|0	Cs5g32800.1	5.97	0	0	2	MASCOT	T	PLEX8	
6.05E-02	0|0	Cs6g19490.1	4.64	0	0	2	MASCOT	T	PLEX8	
1.16E-01	0|0	Cs6g19490.1	4.64	0	0	2	MASCOT	T	PLEX8	
2.90E-03	0|0	Cs6g19490.1	4.64	0	0	2	MASCOT	T	PLEX8	
2.10E-01	0|0	Cs6g19490.1	4.64	0	0	2	MASCOT	T	PLEX8	
7.38E-03	0|0	Cs6g19490.1	4.64	0	0	2	MASCOT	T	PLEX8	
1.59E-01	0|0	Cs6g19490.1	3.83	0	15.9	0	2	MASCOT	T	PLEX8
9.14E-04	0|0	Cs6g19490.1	3.83	0	15.9	0	2	MASCOT	T	PLEX8
5.71E-05	0|0	Cs6g19490.1	3.83	0	0	2	MASCOT	T	PLEX8	
5.76E-05	0|0	Cs6g19490.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.38E-07	0|0	Cs6g19490.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.02E-01	0|0	Cs6g19490.1	6.09	0	0	2	MASCOT	T	PLEX8	
7.91E-02	0|0	Cs6g19490.1	8.75	0	0	2	MASCOT	T	PLEX8	
4.87E-01	0|0	Cs6g19490.1	6	0	0	2	MASCOT	T	PLEX8	
6.00E-02	0|0	Cs6g19490.1	6	0	0	2	MASCOT	T	PLEX8	
4.69E-01	0|0	Cs6g19490.1	6	0	0	2	MASCOT	T	PLEX8	
2.60E-01	0|0	Cs6g19490.1	6	0	0	2	MASCOT	T	PLEX8	
2.46E-01	0|0	Cs6g19490.1	6	0	0	2	MASCOT	T	PLEX8	
3.09E-01	0|0	Cs6g19490.1	6	0	0	2	MASCOT	T	PLEX8	
1.50E-01	0|0	Cs6g19490.1	6.41	0	0	2	MASCOT	T	PLEX8	
1.44E-02	0|0	Cs6g19490.1	6.41	0	0	2	MASCOT	T	PLEX8	
2.12E-03	0|0	Cs6g19490.1	6.41	0	0	2	MASCOT	T	PLEX8	
4.43E-02	0|0	Cs6g19490.1	6.41	0	0	2	MASCOT	T	PLEX8	
1.79E-01	0|0	Cs6g19490.1	6.41	0	0	2	MASCOT	T	PLEX8	
4.82E-02	0|0	Cs6g19490.1	6.41	0	0	2	MASCOT	T	PLEX8	
1.39E-02	0|0	Cs6g19490.1	8.26	0	0	2	MASCOT	T	PLEX8	
1.74E-02	0|0	Cs6g19490.1	8.26	0	0	2	MASCOT	T	PLEX8	
4.33E-02	0|0	Cs6g19490.1	8.26	0	0	2	MASCOT	T	PLEX8	
1.50E-01	0|0	Cs7g28340.1/Cs7g283	8.75	0	0	2	MASCOT	T	PLEX8	
2.47E-03	0|0	Cs7g28340.1/Cs7g283	8.59	1	0	2	MASCOT	T	PLEX8	
2.00E-01	0|0	Cs7g28340.1/Cs7g283	6	0	0	2	MASCOT	T	PLEX8	
1.37E-02	0|0	Cs7g28340.1/Cs7g283	6	0	0	2	MASCOT	T	PLEX8	

1.03E-01	0|0	Cs7g28340.1/Cs7g283	6	0	0	2	MASCOT	T	PLEX8
1.24E-01	0|0	Cs7g28340.1/Cs7g283	6	0	0	2	MASCOT	T	
3.41E-01	0|0	Cs7g28340.1/Cs7g283	6	0	0	2	MASCOT	T	PLEX8
2.71E-02	0|0	Cs7g28340.1/Cs7g283	8.59	0	0	2	MASCOT	T	PLEX8
2.06E-04	0|0	Cs7g28340.1/Cs7g283	8.59	0	0	2	MASCOT	T	PLEX8
3.54E-02	0|0	Cs7g28340.1/Cs7g283	8.59	0	0	2	MASCOT	T	PLEX8
9.75E-02	0|0	Cs7g28340.1/Cs7g283	8.59	0	0	2	MASCOT	T	PLEX8
5.22E-02	0|0	Cs7g28340.1/Cs7g283	4.18	1	0	2	MASCOT	T	PLEX8
1.73E-02	0|0	Cs7g28340.1/Cs7g283	6.41	0	0	2	MASCOT	T	PLEX8
9.66E-02	0|0	Cs7g28340.1/Cs7g283	6.41	0	0	2	MASCOT	T	PLEX8
1.03E-03	0|0	Cs7g28340.1/Cs7g283	5.81	0	0	2	MASCOT	T	PLEX8
3.07E-03	0|0	Cs7g28340.1/Cs7g283	5.81	0	0	2	MASCOT	T	PLEX8
2.82E-03	0|0	Cs7g28340.1/Cs7g283	5.81	0	0	2	MASCOT	T	PLEX8
2.42E-04	0|0	Cs7g28340.1/Cs7g283	5.81	0	0	2	MASCOT	T	PLEX8
3.79E-03	0|0	Cs7g28340.1/Cs7g283	5.81	0	0	2	MASCOT	T	PLEX8
3.45E-03	0|0	Cs7g28340.1/Cs7g283	5.81	0	0	2	MASCOT	T	PLEX8
3.12E-01	0|0	Cs7g28340.1/Cs7g283	4.53	0	0	2	MASCOT	T	PLEX8
1.33E-02	0|0	Cs7g28340.1/Cs7g283	4.53	0	0	2	MASCOT	T	PLEX8
2.91E-02	0|0	Cs7g28340.1/Cs7g283	4.53	0	0	2	MASCOT	T	PLEX8
6.74E-02	0|0	Cs7g28340.1/Cs7g283	4.53	0	0	2	MASCOT	T	PLEX8
6.99E-03	0|0	Cs7g28340.1/Cs7g283	4.53	0	0	2	MASCOT	T	PLEX8
8.93E-03	0|0	Cs7g28340.1/Cs7g283	4.53	0	0	2	MASCOT	T	PLEX8
1.21E-02	0|0	Cs7g28340.1/Cs7g283	4.53	0	0	2	MASCOT	T	PLEX8
6.25E-02	0|0	Cs5g02680.1/Cs5g026	3.98	0	0	2	MASCOT	T	PLEX8
2.53E-03	0|0	Cs5g02680.1/Cs5g026	4.72	0	0	2	MASCOT	T	PLEX8
8.91E-02	0|0	Cs5g02680.1/Cs5g026	4.72	0	0	2	MASCOT	T	PLEX8
8.67E-02	0|0	Cs5g02680.1/Cs5g026	6.1	0	0	2	MASCOT	T	PLEX8
8.05E-03	0|0	Cs5g02680.1	4.37	0	0	2	MASCOT	T	
4.52E-02	0|0	Cs5g02680.1/Cs5g026	4.53	0	0	2	MASCOT	T	PLEX8
2.01E-02	0|0	Cs5g02680.1/Cs5g026	4.53	0	0	2	MASCOT	T	PLEX8
3.73E-03	0|0	Cs5g02680.1/Cs5g026	4.53	0	0	2	MASCOT	T	PLEX8
5.74E-03	0|0	Cs5g02680.1/Cs5g026	4.53	0	0	2	MASCOT	T	PLEX8
2.56E-01	0|0	Cs5g02680.1/Cs5g026	4.53	0	0	2	MASCOT	T	PLEX8
2.45E-01	0|0	Cs5g02680.1/Cs5g026	4.53	0	0	2	MASCOT	T	PLEX8
9.39E-03	0|0	Cs5g02680.1/Cs5g026	4.53	0	0	2	MASCOT	T	PLEX8
5.76E-02	0|0	Cs5g02680.1/Cs5g026	4.53	0	0	2	MASCOT	T	PLEX8
1.46E-02	0|0	Cs5g02680.1/Cs5g026	4.53	0	0	2	MASCOT	T	PLEX8
1.86E-01	0|0	Cs5g02680.1/Cs5g026	4.53	0	0	2	MASCOT	T	PLEX8
2.51E-03	0|0	Cs5g02680.1/Cs5g026	4.03	0	15.9	0	2	MASCOT	T
3.26E-02	0|0	Cs5g02680.1/Cs5g026	4.03	0	15.9	0	2	MASCOT	T
1.71E-02	0|0	Cs5g02680.1/Cs5g026	4.03	0	15.9	0	2	MASCOT	T
5.38E-06	0|0	Cs5g02680.1/Cs5g026	4.03	0	15.9	0	2	MASCOT	T
3.84E-04	0|0	Cs5g02680.1/Cs5g026	4.03	0	15.9	0	2	MASCOT	T
1.88E-03	0|0	Cs5g02680.1/Cs5g026	4.03	0	0	2	MASCOT	T	
4.66E-04	0|0	Cs5g02680.1/Cs5g026	4.03	0	0	2	MASCOT	T	
7.97E-02	0|0	Cs5g02680.1/Cs5g026	6.74	0	0	2	MASCOT	T	PLEX8
1.73E-01	0|0	Cs5g02680.1/Cs5g026	6.74	0	0	2	MASCOT	T	PLEX8
2.58E-03	0|0	Cs5g02680.1	8.75	1	0	2	MASCOT	T	PLEX8
1.37E-01	0|0	orange1.1t03899.1	5.83	0	0	2	MASCOT	T	PLEX8
4.04E-01	0|0	orange1.1t03899.1	5.83	0	0	2	MASCOT	T	PLEX8
2.08E-01	0|0	orange1.1t03899.1	5.83	0	0	2	MASCOT	T	PLEX8

4.26E-01	0|0	orange1.1t03899.1	5.83	0	0	2	MASCOT	T	PLEX8	
2.72E-01	0|0	orange1.1t03899.1	4.65	0	0	2	MASCOT	T	PLEX8	
3.39E-04	0|0	orange1.1t03899.1	4.65	0	0	2	MASCOT	T	PLEX8	
3.13E-03	0|0	orange1.1t03899.1	4.65	0	0	2	MASCOT	T	PLEX8	
6.14E-03	0|0	orange1.1t03899.1	4.65	0	0	2	MASCOT	T	PLEX8	
2.94E-01	0|0	orange1.1t03899.1	4.65	0	0	2	MASCOT	T		
2.01E-04	0|0	orange1.1t03899.1	4.65	0	0	2	MASCOT	T		
2.60E-01	0|0	orange1.1t03899.1	4.65	0	0	2	MASCOT	T		
1.26E-01	0|0	orange1.1t03899.1	6	0	0	2	MASCOT	T	PLEX8	
1.23E-02	0|0	orange1.1t03899.1	6.24	0	15.9	0	2	MASCOT	T	PLEX8
4.39E-06	0|0	orange1.1t03899.1	8.22	0	0	2	MASCOT	T		
1.04E-01	0|0	orange1.1t03899.1	6.75	0	0	2	MASCOT	T	PLEX8	
2.51E-02	0|0	orange1.1t03899.1	6.75	0	0	2	MASCOT	T		
6.84E-02	0|0	orange1.1t03899.1	6.75	0	0	2	MASCOT	T		
3.77E-02	0|0	orange1.1t03899.1	6.75	0	0	2	MASCOT	T		
3.02E-02	0|0	orange1.1t03899.1	8.75	0	0	2	MASCOT	T	PLEX8	
4.69E-02	0|0	orange1.1t03899.1	8.75	0	0	2	MASCOT	T	PLEX8	
1.38E-02	0|0	orange1.1t03899.1	4.21	0	15.9	0	2	MASCOT	T	PLEX8
1.09E-02	0|0	orange1.1t03899.1	4.21	0	15.9	0	2	MASCOT	T	PLEX8
4.86E-02	0|0	orange1.1t03899.1	4.21	0	15.9	0	2	MASCOT	T	PLEX8
1.15E-02	0|0	orange1.1t03899.1	4.21	0	0	2	MASCOT	T	PLEX8	
1.34E-01	0|0	Cs2g03230.1/Cs2g032	5.88	0	0	2	MASCOT	T		
5.88E-05	0|0	Cs2g03230.1/Cs2g032	5.88	0	0	2	MASCOT	T		
6.51E-02	0|0	Cs2g03230.1/Cs2g032	9.6	1	0	2	MASCOT	T	PLEX8	
1.24E-03	0|0	Cs2g03230.1/Cs2g032	5.38	0	15.9	0	2	MASCOT	T	
6.78E-03	0|0	Cs2g03230.1/Cs2g032	5.38	0	15.9	0	2	MASCOT	T	PLEX8
3.41E-04	0|0	Cs2g03230.1/Cs2g032	5.38	0	15.9	0	2	MASCOT	T	PLEX8
1.55E-02	0|0	Cs2g03230.1/Cs2g032	5.38	0	0	2	MASCOT	T		
1.27E-03	0|0	Cs2g03230.1/Cs2g032	5.38	0	0	2	MASCOT	T	PLEX8	
3.72E-02	0|0	Cs2g03230.1/Cs2g032	6	0	0	2	MASCOT	T	PLEX8	
4.62E-02	0|0	Cs2g03230.1/Cs2g032	6	0	0	2	MASCOT	T	PLEX8	
3.40E-01	0|0	Cs2g03230.1/Cs2g032	6	0	0	2	MASCOT	T	PLEX8	
1.69E-02	0|0	Cs2g03230.1/Cs2g032	6	0	0	2	MASCOT	T	PLEX8	
6.90E-03	0|0	Cs2g03230.1/Cs2g032	6	0	0	2	MASCOT	T	PLEX8	
1.54E-01	0|0	Cs2g03230.1/Cs2g032	6	0	0	2	MASCOT	T		
1.53E-02	0|0	Cs2g03230.1/Cs2g032	8.76	0	0	2	MASCOT	T	PLEX8	
1.03E-01	0|0	Cs2g03230.1/Cs2g032	8.76	0	0	2	MASCOT	T	PLEX8	
1.49E-01	0|0	Cs2g03230.1/Cs2g032	6.92	0	0	2	MASCOT	T	PLEX8	
7.45E-03	0|0	Cs2g03230.1/Cs2g032	6.92	0	0	2	MASCOT	T	PLEX8	
3.43E-03	0|0	Cs2g03230.1/Cs2g032	6.92	0	0	2	MASCOT	T	PLEX8	
7.73E-02	0|0	Cs2g03230.1/Cs2g032	5.84	0	0	2	MASCOT	T	PLEX8	
1.55E-02	0|0	Cs2g03230.1/Cs2g032	5.84	0	0	2	MASCOT	T	PLEX8	
1.54E-01	0|0	Cs2g03230.1/Cs2g032	5.84	0	0	2	MASCOT	T	PLEX8	
4.75E-02	0|0	Cs2g03230.1/Cs2g032	5.81	0	0	2	MASCOT	T		
5.69E-03	0|0	Cs2g12010.1/Cs2g120	6.04	0	0	2	MASCOT	T	PLEX8	
4.50E-03	0|0	Cs2g12010.1/Cs2g120	6.04	0	0	2	MASCOT	T	PLEX8	
6.82E-02	0|0	Cs2g12010.1/Cs2g120	6.04	0	0	2	MASCOT	T	PLEX8	
2.12E-01	0|0	Cs2g12010.1/Cs2g120	6.05	0	0	2	MASCOT	T	PLEX8	
2.80E-01	0|0	Cs2g12010.1/Cs2g120	6.05	0	0	2	MASCOT	T	PLEX8	
1.64E-01	0|0	Cs2g12010.1/Cs2g120	6.05	0	0	2	MASCOT	T	PLEX8	
1.53E-01	0|0	Cs2g12010.1/Cs2g120	4.14	0	0	2	MASCOT	T	PLEX8	

5.70E-02	0|0	Cs2g12010.1/Cs2g120	4.14	0	0	2	MASCOT	T	PLEX8
1.21E-03	0|0	Cs2g12010.1/Cs2g120	4.14	0	0	2	MASCOT	T	PLEX8
8.75E-02	0|0	Cs2g12010.1/Cs2g120	4.25	0	0	2	MASCOT	T	PLEX8
4.37E-02	0|0	Cs2g12010.1/Cs2g120	8.76	0	0	2	MASCOT	T	PLEX8
7.42E-03	0|0	Cs2g12010.1/Cs2g120	4.53	0	0	2	MASCOT	T	PLEX8
1.15E-01	0|0	Cs2g12010.1/Cs2g120	4.53	0	0	2	MASCOT	T	PLEX8
6.15E-03	0|0	Cs2g12010.1/Cs2g120	4.53	0	0	2	MASCOT	T	PLEX8
1.83E-01	0|0	Cs2g12010.1/Cs2g120	4.53	0	0	2	MASCOT	T	PLEX8
4.15E-01	0|0	Cs2g12010.1/Cs2g120	4.53	0	0	2	MASCOT	T	
8.77E-02	0|0	Cs2g12010.1/Cs2g120	4.53	0	0	2	MASCOT	T	
1.19E-01	0|0	Cs2g12010.1/Cs2g120	4.53	0	0	2	MASCOT	T	PLEX8
4.14E-01	0|0	Cs2g12010.1/Cs2g120	4.53	0	0	2	MASCOT	T	PLEX8
2.30E-01	0|0	Cs2g12010.1/Cs2g120	4.53	0	0	2	MASCOT	T	PLEX8
9.17E-03	0|0	Cs2g12010.1/Cs2g120	4.53	0	0	2	MASCOT	T	PLEX8
1.40E-01	0|0	Cs2g12010.1/Cs2g120	4.25	0	0	2	MASCOT	T	PLEX8
2.32E-06	0|0	Cs2g12010.1/Cs2g120	4.25	0	0	2	MASCOT	T	PLEX8
1.72E-01	0|0	orange1.1t00032.1	4.03	0	0	2	MASCOT	T	
2.44E-04	0|0	orange1.1t00032.1	4.03	0	0	2	MASCOT	T	
2.40E-03	0|0	orange1.1t00032.1	4.03	0	0	2	MASCOT	T	PLEX8
5.38E-01	0|0	orange1.1t00032.1	4.37	0	0	2	MASCOT	T	PLEX8
2.07E-01	0|0	orange1.1t00032.1	4.37	0	0	2	MASCOT	T	PLEX8
5.44E-01	0|0	orange1.1t00032.1	4.37	0	0	2	MASCOT	T	PLEX8
2.23E-01	0|0	orange1.1t00032.1	4.37	0	0	2	MASCOT	T	PLEX8
5.09E-02	0|0	orange1.1t00032.1	5.99	0	0	2	MASCOT	T	PLEX8
1.07E-01	0|0	orange1.1t00032.1	5.99	0	0	2	MASCOT	T	PLEX8
6.62E-02	0|0	orange1.1t00032.1	5.99	0	0	2	MASCOT	T	PLEX8
1.01E-01	0|0	orange1.1t00032.1	5.72	0	0	2	MASCOT	T	PLEX8
3.93E-04	0|0	orange1.1t00032.1	5.72	0	0	2	MASCOT	T	PLEX8
1.62E-01	0|0	orange1.1t00032.1	5.72	0	0	2	MASCOT	T	PLEX8
8.03E-03	0|0	orange1.1t00032.1	5.72	0	0	2	MASCOT	T	PLEX8
5.16E-04	0|0	orange1.1t00032.1	4.65	0	0	2	MASCOT	T	PLEX8
1.07E-02	0|0	orange1.1t00032.1	4.65	0	0	2	MASCOT	T	PLEX8
5.13E-03	0|0	orange1.1t00032.1	4.65	0	0	2	MASCOT	T	
3.58E-01	0|0	orange1.1t00032.1	6.78	0	0	2	MASCOT	T	PLEX8
1.04E-02	0|0	orange1.1t00032.1	6.78	0	0	2	MASCOT	T	
2.02E-01	0|0	orange1.1t00032.1	4.37	0	0	2	MASCOT	T	PLEX8
2.12E-01	0|0	orange1.1t00032.1	4.37	0	0	2	MASCOT	T	PLEX8
1.80E-03	0|0	orange1.1t00032.1	5.99	0	0	2	MASCOT	T	PLEX8
1.59E-02	0|0	Cs2g01400.1/Cs2g014	6.74	0	0	2	MASCOT	T	PLEX8
6.81E-02	0|0	Cs2g01400.1/Cs2g014	6.74	0	0	2	MASCOT	T	PLEX8
7.40E-04	0|0	Cs2g01400.1/Cs2g014	4.03	0	0	2	MASCOT	T	PLEX8
4.56E-04	0|0	Cs2g01400.1/Cs2g014	4.03	0	0	2	MASCOT	T	
8.03E-04	0|0	Cs2g01400.1/Cs2g014	4.03	0	0	2	MASCOT	T	
1.91E-02	0|0	Cs2g01400.1/Cs2g014	5.55	0	0	2	MASCOT	T	PLEX8
2.43E-04	0|0	Cs2g01400.1/Cs2g014	4.53	0	0	2	MASCOT	T	PLEX8
2.80E-03	0|0	Cs2g01400.1/Cs2g014	4.53	0	0	2	MASCOT	T	PLEX8
2.18E-04	0|0	Cs2g01400.1/Cs2g014	4.53	0	0	2	MASCOT	T	PLEX8
1.63E-01	0|0	Cs2g01400.1/Cs2g014	8.72	0	0	2	MASCOT	T	PLEX8
5.81E-02	0|0	Cs2g01400.1/Cs2g014	8.72	0	0	2	MASCOT	T	PLEX8
1.73E-02	0|0	Cs2g01400.1/Cs2g014	5.84	0	0	2	MASCOT	T	PLEX8
8.43E-03	0|0	Cs2g01400.1/Cs2g014	4.25	0	0	2	MASCOT	T	PLEX8

6.05E-03	0|0	Cs2g01400.1/Cs2g014	4.25	0	0	2	MASCOT	T	PLEX8	
8.46E-04	0|0	Cs2g01400.1/Cs2g014	4.25	0	0	2	MASCOT	T	PLEX8	
1.28E-03	0|0	Cs2g01400.1/Cs2g014	4.25	0	0	2	MASCOT	T	PLEX8	
3.52E-07	0|0	Cs2g01400.2/Cs2g014	5.84	0	0	2	MASCOT	T		
1.01E-04	0|0	Cs2g01400.2/Cs2g014	5.84	0	0	2	MASCOT	T		
4.40E-02	0|0	Cs2g01400.2/Cs2g014	5.84	0	0	2	MASCOT	T		
8.54E-05	0|0	Cs2g01400.2/Cs2g014	5.84	0	0	2	MASCOT	T	PLEX8	
2.97E-02	0|0	Cs2g01400.2/Cs2g014	5.84	0	0	2	MASCOT	T		
6.75E-02	0|0	Cs2g02990.1/Cs2g029	5.99	0	15.9	0	2	MASCOT	T	PLEX8
5.70E-02	0|0	Cs2g02990.1/Cs2g029	5.99	0	15.9	0	2	MASCOT	T	PLEX8
3.30E-03	0|0	Cs2g02990.1/Cs2g029	5.99	0	0	2	MASCOT	T	PLEX8	
7.45E-03	0|0	Cs2g02990.1/Cs2g029	5.99	0	0	2	MASCOT	T	PLEX8	
2.53E-03	0|0	Cs2g02990.1/Cs2g029	5.99	0	0	2	MASCOT	T	PLEX8	
6.50E-02	0|0	Cs2g02990.1/Cs2g029	8.76	0	0	2	MASCOT	T	PLEX8	
1.36E-04	0|0	Cs2g02990.1/Cs2g029	4.21	0	0	2	MASCOT	T		
1.22E-02	0|0	Cs2g02990.1/Cs2g029	4.21	0	0	2	MASCOT	T	PLEX8	
8.75E-03	0|0	Cs2g02990.1/Cs2g029	4.53	0	0	2	MASCOT	T	PLEX8	
2.10E-07	0|0	Cs2g02990.1/Cs2g029	4.53	0	0	2	MASCOT	T	PLEX8	
8.44E-02	0|0	Cs2g02990.1/Cs2g029	4.03	0	0	2	MASCOT	T	PLEX8	
1.35E-02	0|0	Cs2g02990.1/Cs2g029	4.03	0	0	2	MASCOT	T	PLEX8	
3.86E-02	0|0	Cs2g02990.1/Cs2g029	4.03	0	0	2	MASCOT	T	PLEX8	
2.17E-01	0|0	Cs2g02990.1/Cs2g029	6.1	0	0	2	MASCOT	T	PLEX8	
1.18E-01	0|0	Cs2g02990.1/Cs2g029	6.1	0	0	2	MASCOT	T	PLEX8	
1.27E-01	0|0	Cs2g02990.1/Cs2g029	6.1	0	0	2	MASCOT	T		
8.00E-04	0|0	Cs2g02990.1/Cs2g029	6	0	0	2	MASCOT	T		
1.42E-01	0|0	Cs2g02990.1/Cs2g029	6	0	0	2	MASCOT	T		
1.58E-03	0|0	Cs2g02990.1/Cs2g029	6	0	0	2	MASCOT	T		
7.50E-04	0|0	Cs2g02990.1/Cs2g029	6	0	0	2	MASCOT	T		
1.63E-02	0|0	Cs5g31220.1	6	0	0	2	MASCOT	T	PLEX8	
1.65E-02	0|0	Cs5g31220.1	6	0	0	2	MASCOT	T	PLEX8	
2.50E-02	0|0	Cs5g31220.1	6	0	0	2	MASCOT	T	PLEX8	
4.19E-02	0|0	Cs5g31220.1	6	0	0	2	MASCOT	T	PLEX8	
3.23E-01	0|0	Cs5g31220.1	6	0	0	2	MASCOT	T		
3.17E-07	0|0	Cs5g31220.1	4.13	0	0	2	MASCOT	T	PLEX8	
5.43E-01	0|0	Cs5g31220.1 ! Cs7g27	8.47	0	0	2	MASCOT	T	PLEX8	
6.94E-01	0|0	Cs5g31220.1 ! Cs7g27	8.47	0	0	2	MASCOT	T	PLEX8	
3.67E-01	0|0	Cs5g31220.1	9.41	0	0	2	MASCOT	T		
2.88E-02	0|0	Cs5g31220.1	6	0	15.9	0	2	MASCOT	T	PLEX8
1.94E-03	0|0	Cs5g31220.1	6	0	0	2	MASCOT	T	PLEX8	
6.31E-03	0|0	Cs5g31220.1	6	0	0	2	MASCOT	T	PLEX8	
7.39E-02	0|0	Cs5g31220.1	6	0	0	2	MASCOT	T	PLEX8	
1.81E-04	0|0	Cs5g31220.1	6	0	0	2	MASCOT	T	PLEX8	
6.47E-02	0|0	Cs5g31220.1	6	0	0	2	MASCOT	T		
1.44E-01	0|0	Cs5g31220.1	6.74	0	0	2	MASCOT	T	PLEX8	
2.81E-02	0|0	Cs5g31220.1	8.59	0	0	2	MASCOT	T	PLEX8	
6.32E-02	0|0	Cs5g31220.1	8.59	0	0	2	MASCOT	T	PLEX8	
2.58E-01	0|0	Cs5g31220.1	8.59	0	0	2	MASCOT	T		
2.97E-02	0|0	Cs5g31220.1	4.53	0	0	2	MASCOT	T	PLEX8	
8.05E-03	0|0	Cs2g04850.1/Cs2g048	5.4	0	0	2	MASCOT	T	PLEX8	
2.02E-01	0|0	Cs1g20220.1/Cs1g202	5.84	0	0	2	MASCOT	T		
1.53E-01	0|0	Cs1g20220.1/Cs1g202	4.53	0	0	2	MASCOT	T	PLEX8	

2.55E-01	0|0	Cs2g04850.1/Cs2g048	6	0	0	2	MASCOT	T	PLEX8	
1.50E-01	0|0	Cs1g20220.1/Cs1g202	6	0	0	2	MASCOT	T	PLEX8	
4.76E-02	0|0	Cs1g20220.1/Cs1g202	6	0	0	2	MASCOT	T	PLEX8	
1.01E-01	0|0	Cs1g20220.1/Cs1g202	6	0	0	2	MASCOT	T	PLEX8	
1.31E-02	0|0	Cs1g20220.1/Cs1g202	6	0	0	2	MASCOT	T	PLEX8	
1.41E-01	0|0	Cs1g20220.1/Cs1g202	6	0	0	2	MASCOT	T	PLEX8	
5.84E-01	0|0	Cs1g20220.1/Cs1g202	6	0	0	2	MASCOT	T	PLEX8	
2.64E-01	0|0	Cs2g04850.1/Cs2g048	8.59	0	0	2	MASCOT	T	PLEX8	
1.40E-01	0|0	Cs2g04850.1/Cs2g048	8.59	0	0	2	MASCOT	T	PLEX8	
2.16E-01	0|0	Cs2g04850.1/Cs2g048	8.59	0	0	2	MASCOT	T	PLEX8	
2.99E-02	0|0	Cs2g04850.1/Cs2g048	4.03	0	15.9	0	2	MASCOT	T	PLEX8
1.09E-01	0|0	Cs2g04850.1/Cs2g048	4.03	0	0	2	MASCOT	T	PLEX8	
3.06E-03	0|0	Cs2g04850.1/Cs2g048	4.03	0	0	2	MASCOT	T	PLEX8	
2.10E-01	0|0	Cs1g20220.1/Cs1g202	6	0	0	2	MASCOT	T		
3.14E-01	0|0	Cs1g20220.1/Cs1g202	6	0	0	2	MASCOT	T		
2.52E-01	0|0	Cs1g20220.1/Cs1g202	6	0	0	2	MASCOT	T		
4.78E-04	0|0	Cs5g02150.1/Cs5g021	6.05	0	0	2	MASCOT	T	PLEX8	
2.09E-03	0|0	Cs5g02150.1/Cs5g021	6.05	0	0	2	MASCOT	T	PLEX8	
1.66E-01	0|0	Cs5g02150.1/Cs5g021	6.05	0	0	2	MASCOT	T	PLEX8	
1.83E-02	0|0	Cs5g02150.1/Cs5g021	6.05	0	0	2	MASCOT	T	PLEX8	
1.63E-01	0|0	Cs5g02150.1/Cs5g021	6.05	0	0	2	MASCOT	T	PLEX8	
1.12E-03	0|0	Cs5g02150.1/Cs5g021	6.05	0	0	2	MASCOT	T	PLEX8	
5.75E-02	0|0	Cs5g02150.1/Cs5g021	5.32	0	15.9	0	2	MASCOT	T	PLEX8
2.96E-05	0|0	Cs5g02150.1/Cs5g021	5.32	0	0	2	MASCOT	T	PLEX8	
1.50E-02	0|0	Cs5g02150.1/Cs5g021	4.53	0	0	2	MASCOT	T	PLEX8	
1.57E-01	0|0	Cs5g02150.1/Cs5g021	5.99	0	0	2	MASCOT	T	PLEX8	
1.13E-03	0|0	Cs5g02150.1/Cs5g021	5.99	0	0	2	MASCOT	T	PLEX8	
7.28E-03	0|0	Cs5g02150.1/Cs5g021	5.99	0	0	2	MASCOT	T	PLEX8	
1.27E-03	0|0	Cs5g02150.1/Cs5g021	5.99	0	0	2	MASCOT	T	PLEX8	
8.72E-02	0|0	Cs5g02150.1/Cs5g021	5.71	0	0	2	MASCOT	T	PLEX8	
2.35E-02	0|0	Cs5g02150.1/Cs5g021	6.07	0	0	2	MASCOT	T	PLEX8	
3.13E-01	0|0	Cs5g02150.1/Cs5g021	6.07	0	0	2	MASCOT	T	PLEX8	
2.13E-03	0|0	Cs5g02150.1/Cs5g021	6.07	0	0	2	MASCOT	T	PLEX8	
1.11E-01	0|0	Cs5g02150.1	6.07	0	0	2	MASCOT	T	PLEX8	
3.04E-02	0|0	Cs5g02150.1/Cs5g021	8.6	0	0	2	MASCOT	T	PLEX8	
8.56E-04	0|0	Cs5g06660.1/Cs5g066	4	0	0	2	MASCOT	T	PLEX8	
3.77E-02	0|0	Cs5g06660.1/Cs5g066	4.41	1	0	2	MASCOT	T	PLEX8	
2.92E-02	0|0	Cs5g06660.1/Cs5g066	5.84	0	0	2	MASCOT	T		
5.22E-05	0|0	Cs5g06660.1/Cs5g066	5.84	0	0	2	MASCOT	T		
4.51E-03	0|0	Cs5g06660.1/Cs5g066	5.84	0	0	2	MASCOT	T		
7.84E-05	0|0	Cs5g06660.1/Cs5g066	5.84	0	0	2	MASCOT	T		
1.96E-02	0|0	Cs5g06660.1/Cs5g066	4.37	0	0	2	MASCOT	T	PLEX8	
2.83E-02	0|0	Cs5g06660.1/Cs5g066	4.37	0	0	2	MASCOT	T	PLEX8	
1.69E-02	0|0	Cs5g06660.1/Cs5g066	4.37	0	0	2	MASCOT	T	PLEX8	
2.65E-01	0|0	Cs5g06660.1/Cs5g066	4.37	0	0	2	MASCOT	T	PLEX8	
2.07E-02	0|0	Cs5g06660.1/Cs5g066	8.76	0	0	2	MASCOT	T	PLEX8	
3.92E-02	0|0	Cs5g06660.1/Cs5g066	5.97	0	0	2	MASCOT	T	PLEX8	
2.07E-01	0|0	Cs5g06660.1/Cs5g066	5.97	0	0	2	MASCOT	T	PLEX8	
6.25E-02	0|0	Cs5g06660.1/Cs5g066	5.97	0	0	2	MASCOT	T	PLEX8	
1.40E-03	0|0	Cs5g06660.1/Cs5g066	5.97	0	0	2	MASCOT	T	PLEX8	
4.14E-02	0|0	Cs5g06660.1/Cs5g066	5.84	0	0	2	MASCOT	T	PLEX8	

4.06E-02	0|0	Cs5g06660.1/Cs5g066	5.84	0	0	2	MASCOT	T	PLEX8	
1.64E-01	0|0	Cs5g06660.1/Cs5g066	8.34	0	15.9	0	2	MASCOT	T	PLEX8
1.96E-01	0|0	Cs5g06660.1/Cs5g066	8.34	0	0	2	MASCOT	T	PLEX8	
5.11E-02	0|0	Cs5g28880.1/Cs5g288	8.75	0	0	2	MASCOT	T	PLEX8	
9.64E-02	0|0	Cs5g28880.1/Cs5g288	8.75	0	0	2	MASCOT	T	PLEX8	
1.02E-01	0|0	Cs5g28880.1/Cs5g288	4.21	0	0	2	MASCOT	T	PLEX8	
1.05E-03	0|0	Cs5g28880.1/Cs5g288	6	0	0	2	MASCOT	T	PLEX8	
1.51E-04	0|0	Cs5g28880.1/Cs5g288	6	0	0	2	MASCOT	T	PLEX8	
3.73E-03	0|0	Cs5g28880.1/Cs5g288	6	0	0	2	MASCOT	T	PLEX8	
2.03E-03	0|0	Cs5g28880.1/Cs5g288	6	0	0	2	MASCOT	T	PLEX8	
6.81E-02	0|0	Cs5g28880.1/Cs5g288	4.4	0	15.9	0	2	MASCOT	T	
1.52E-01	0|0	Cs5g28880.1/Cs5g288	4.4	0	0	2	MASCOT	T		
8.78E-03	0|0	Cs5g28880.1/Cs5g288	6.77	0	0	2	MASCOT	T	PLEX8	
1.18E-01	0|0	Cs5g28880.1/Cs5g288	6.77	0	0	2	MASCOT	T	PLEX8	
4.04E-02	0|0	Cs5g28880.1/Cs5g288	5.84	0	15.9	0	2	MASCOT	T	PLEX8
8.72E-04	0|0	Cs5g28880.1/Cs5g288	5.84	0	15.9	0	2	MASCOT	T	PLEX8
3.90E-02	0|0	Cs5g28880.1/Cs5g288	5.84	0	15.9	0	2	MASCOT	T	PLEX8
1.22E-04	0|0	Cs5g28880.1/Cs5g288	5.84	0	0	2	MASCOT	T	PLEX8	
1.41E-01	0|0	Cs5g28880.1/Cs5g288	5.55	0	0	2	MASCOT	T	PLEX8	
3.46E-01	0|0	Cs5g28880.1/Cs5g288	5.55	0	0	2	MASCOT	T	PLEX8	
2.38E-01	0|0	Cs5g28880.1/Cs5g288	4.21	0	0	2	MASCOT	T	PLEX8	
6.89E-02	0|0	Cs5g28880.1/Cs5g288	4.21	0	0	2	MASCOT	T	PLEX8	
3.50E-01	0|0	orange1.1t04780.1/ora	5.88	0	0	2	MASCOT	T	PLEX8	
8.03E-02	0|0	orange1.1t04780.1/ora	5.88	0	0	2	MASCOT	T	PLEX8	
3.67E-03	0|0	orange1.1t04780.1/ora	6.74	0	0	2	MASCOT	T	PLEX8	
4.98E-03	0|0	orange1.1t04780.1/ora	8.6	0	0	2	MASCOT	T	PLEX8	
7.56E-02	0|0	orange1.1t04780.1/ora	8.6	0	0	2	MASCOT	T	PLEX8	
3.72E-03	0|0	orange1.1t04780.1/ora	8.75	0	0	2	MASCOT	T	PLEX8	
1.70E-02	0|0	orange1.1t04780.1/ora	8.75	0	0	2	MASCOT	T	PLEX8	
3.89E-01	0|0	orange1.1t04780.1/ora	6.79	0	0	2	MASCOT	T	PLEX8	
1.62E-02	0|0	orange1.1t04780.1/ora	6.79	0	0	2	MASCOT	T	PLEX8	
1.70E-02	0|0	orange1.1t04780.1/ora	6.79	0	0	2	MASCOT	T	PLEX8	
4.60E-02	0|0	orange1.1t04780.1/ora	5.32	0	15.9	0	2	MASCOT	T	PLEX8
1.81E-02	0|0	orange1.1t04780.1/ora	5.32	0	15.9	0	2	MASCOT	T	PLEX8
1.24E-02	0|0	orange1.1t04780.1/ora	5.32	0	15.9	0	2	MASCOT	T	
3.85E-05	0|0	orange1.1t04780.1/ora	5.32	0	0	2	MASCOT	T	PLEX8	
1.97E-04	0|0	orange1.1t04780.1/ora	5.32	0	0	2	MASCOT	T	PLEX8	
8.97E-02	0|0	orange1.1t04780.1/ora	5.32	0	0	2	MASCOT	T		
1.09E-04	0|0	orange1.1t04780.1/ora	4.75	0	0	2	MASCOT	T	PLEX8	
6.53E-05	0|0	orange1.1t04780.1/ora	4.75	0	0	2	MASCOT	T		
3.78E-02	0|0	orange1.1t04780.1/ora	8.59	0	0	2	MASCOT	T	PLEX8	
8.79E-02	0|0	Cs1g01540.1	4.03	0	0	2	MASCOT	T	PLEX8	
1.35E-02	0|0	Cs1g01540.1	4.03	0	0	2	MASCOT	T	PLEX8	
1.20E-02	0|0	Cs1g01540.1	4.03	0	0	2	MASCOT	T	PLEX8	
3.61E-02	0|0	Cs1g01540.1	9.75	0	0	2	MASCOT	T		
4.59E-02	0|0	Cs1g01540.1 ! Cs3g18	8.75	0	0	2	MASCOT	T	PLEX8	
2.63E-01	0|0	Cs1g01540.1 ! Cs3g18	8.75	0	0	2	MASCOT	T		
3.18E-02	0|0	Cs1g01540.1	4.65	0	0	2	MASCOT	T	PLEX8	
2.37E-01	0|0	Cs1g01540.1	4.65	0	0	2	MASCOT	T	PLEX8	
1.74E-01	0|0	Cs1g01540.1	4.65	0	0	2	MASCOT	T		
1.25E-02	0|0	Cs1g01540.1	4.37	0	0	2	MASCOT	T	PLEX8	

2.21E-02 0|0	Cs1g01540.1	4.37	0	0	2	MASCOT	T	PLEX8	
3.51E-03 0|0	Cs1g01540.1	4.37	0	0	2	MASCOT	T	PLEX8	
2.02E-01 0|0	Cs1g01540.1 ! Cs3g18	5.06	0	15.9	0	2	MASCOT	T	PLEX8
1.93E-01 0|0	Cs1g01540.1 ! Cs3g18	5.06	0	15.9	0	2	MASCOT	T	
1.08E-01 0|0	Cs1g01540.1 ! Cs3g18	5.06	0	15.9	0	2	MASCOT	T	
1.60E-03 0|0	Cs1g01540.1 ! Cs3g18	5.06	0	0	2	MASCOT	T		
2.98E-01 0|0	Cs1g01540.1	5.72	0	0	2	MASCOT	T		
2.77E-02 0|0	Cs1g01540.1	5.72	0	0	2	MASCOT	T		
1.17E-03 0|0	Cs3g07080.2	4.14	0	0	2	MASCOT	T	PLEX8	
2.07E-03 0|0	Cs3g07080.2	4.14	0	0	2	MASCOT	T	PLEX8	
2.38E-02 0|0	Cs3g07080.1/Cs3g070	5.28	0	0	2	MASCOT	T		
1.07E-03 0|0	Cs3g07080.1/Cs3g070	5.28	0	0	2	MASCOT	T		
1.90E-05 0|0	Cs3g07080.1/Cs3g070	5.28	0	0	2	MASCOT	T		
7.28E-03 0|0	Cs3g07080.2	4.41	0	0	2	MASCOT	T	PLEX8	
1.06E-01 0|0	Cs3g07080.1/Cs3g070	4.53	0	0	2	MASCOT	T	PLEX8	
2.06E-02 0|0	Cs3g07080.1/Cs3g070	4.53	0	0	2	MASCOT	T	PLEX8	
2.70E-02 0|0	Cs3g07080.1/Cs3g070	4.53	0	0	2	MASCOT	T	PLEX8	
5.73E-02 0|0	Cs3g07080.1/Cs3g070	4.53	0	0	2	MASCOT	T	PLEX8	
1.35E-03 0|0	Cs3g07080.1/Cs3g070	5.21	0	0	2	MASCOT	T	PLEX8	
1.37E-02 0|0	Cs3g07080.2	6.75	0	0	2	MASCOT	T	PLEX8	
5.82E-02 0|0	Cs3g07080.2	6.75	0	0	2	MASCOT	T	PLEX8	
2.73E-02 0|0	Cs3g07080.1/Cs3g070	5.4	0	0	2	MASCOT	T	PLEX8	
3.38E-02 0|0	Cs3g07080.1/Cs3g070	5.4	0	0	2	MASCOT	T	PLEX8	
9.83E-03 0|0	Cs3g07080.1/Cs3g070	4.25	0	0	2	MASCOT	T	PLEX8	
3.91E-03 0|0	Cs3g07080.1/Cs3g070	4.25	0	0	2	MASCOT	T		
1.03E-04 0|0	Cs3g07080.1/Cs3g070	4.25	0	0	2	MASCOT	T		
9.22E-03 0|0	Cs7g08660.1/Cs7g086	4	0	0	2	MASCOT	T	PLEX8	
1.45E-05 0|0	Cs7g08660.1/Cs7g086	4	0	0	2	MASCOT	T	PLEX8	
1.08E-01 0|0	Cs5g05410.1/Cs7g086	5.83	0	0	2	MASCOT	T		
3.28E-03 0|0	Cs5g05410.1/Cs7g086	5.83	0	0	2	MASCOT	T		
1.09E-01 0|0	Cs7g08660.1/Cs7g086	6.74	0	0	2	MASCOT	T	PLEX8	
2.85E-02 0|0	Cs7g08660.1/Cs7g086	6.74	0	0	2	MASCOT	T	PLEX8	
8.02E-02 0|0	Cs7g08660.1/Cs7g086	5.84	0	0	2	MASCOT	T	PLEX8	
2.65E-01 0|0	Cs7g08660.1/Cs7g086	5.84	0	0	2	MASCOT	T	PLEX8	
1.11E-01 0|0	Cs7g08660.1/Cs7g086	5.84	0	0	2	MASCOT	T	PLEX8	
9.29E-02 0|0	Cs7g08660.1/Cs7g086	5.84	0	0	2	MASCOT	T	PLEX8	
6.01E-02 0|0	Cs7g08660.1/Cs7g086	5.84	0	0	2	MASCOT	T	PLEX8	
1.43E-01 0|0	Cs7g08660.1/Cs7g086	5.84	0	0	2	MASCOT	T	PLEX8	
1.20E-04 0|0	Cs7g08660.2/Cs7g086	4.37	0	0	2	MASCOT	T		
8.94E-04 0|0	Cs7g08660.2/Cs7g086	4.37	0	0	2	MASCOT	T		
6.63E-04 0|0	Cs7g08660.1/Cs7g086	6.7	0	0	2	MASCOT	T	PLEX8	
3.18E-01 0|0	Cs7g08660.1/Cs7g086	5.84	0	15.9	0	2	MASCOT	T	PLEX8
8.59E-03 0|0	Cs7g08660.1/Cs7g086	5.84	0	0	2	MASCOT	T	PLEX8	
1.47E-03 0|0	Cs7g08660.1/Cs7g086	6.71	0	0	2	MASCOT	T		
1.15E-01 0|0	Cs9g13560.1	8.59	0	0	2	MASCOT	T	PLEX8	
4.68E-02 0|0	Cs9g13560.1	8.59	0	0	2	MASCOT	T	PLEX8	
6.21E-02 0|0	Cs9g13560.1	8.59	0	0	2	MASCOT	T	PLEX8	
2.38E-04 0|0	Cs1g15970.1/Cs4g189	4.14	0	0	2	MASCOT	T		
5.99E-04 0|0	Cs1g15970.1/Cs4g189	4.14	0	0	2	MASCOT	T		
3.11E-06 0|0	Cs1g15970.1/Cs4g189	4.14	0	0	2	MASCOT	T		
2.93E-08 0|0	Cs1g15970.1/Cs4g189	4.14	0	0	2	MASCOT	T		

7.55E-03	0|0	Cs9g13560.1	8.31	0	0	2	MASCOT	T	PLEX8	
2.23E-01	0|0	Cs9g13560.1	3.93	0	0	2	MASCOT	T	PLEX8	
5.34E-06	0|0	Cs9g13560.1	3.93	0	0	2	MASCOT	T	PLEX8	
6.66E-03	0|0	Cs9g13560.1	3.93	0	0	2	MASCOT	T	PLEX8	
1.08E-05	0|0	Cs9g13560.1	4.75	0	0	2	MASCOT	T	PLEX8	
4.22E-03	0|0	Cs4g13070.1/Cs4g130	5.84	0	0	2	MASCOT	T	PLEX8	
3.43E-05	0|0	Cs4g13070.1/Cs4g130	5.84	0	0	2	MASCOT	T	PLEX8	
4.35E-01	0|0	Cs4g13070.1/Cs4g130	5.84	0	0	2	MASCOT	T	PLEX8	
2.14E-03	0|0	Cs9g13560.1	8.75	0	0	2	MASCOT	T	PLEX8	
8.44E-02	0|0	Cs9g13560.1	9.76	0	0	2	MASCOT	T	PLEX8	
3.57E-02	0|0	Cs9g13560.1	9.76	0	0	2	MASCOT	T	PLEX8	
5.01E-03	0|0	orange1.1t01733.1	4.03	0	0	2	MASCOT	T	PLEX8	
8.32E-03	0|0	orange1.1t01733.1	4.03	0	0	2	MASCOT	T	PLEX8	
5.69E-04	0|0	orange1.1t01733.1	4.03	0	0	2	MASCOT	T	PLEX8	
5.05E-02	0|0	orange1.1t01733.1	5.75	0	0	2	MASCOT	T	PLEX8	
5.26E-02	0|0	orange1.1t01733.1	5.75	0	0	2	MASCOT	T	PLEX8	
1.73E-01	0|0	orange1.1t01733.1	9.57	0	0	2	MASCOT	T	PLEX8	
2.05E-05	0|0	orange1.1t01733.1	6	0	0	2	MASCOT	T	PLEX8	
1.19E-02	0|0	orange1.1t01733.1	6	0	0	2	MASCOT	T	PLEX8	
8.78E-02	0|0	orange1.1t01733.1	6	0	0	2	MASCOT	T	PLEX8	
9.47E-02	0|0	orange1.1t01733.1	5.84	0	0	2	MASCOT	T	PLEX8	
5.91E-04	0|0	orange1.1t01733.1	4.65	0	0	2	MASCOT	T	PLEX8	
9.18E-06	0|0	orange1.1t01733.1	4.65	0	0	2	MASCOT	T	PLEX8	
1.52E-04	0|0	orange1.1t01733.1	4.65	0	0	2	MASCOT	T	PLEX8	
1.63E-01	0|0	orange1.1t01733.1	4.37	0	0	2	MASCOT	T	PLEX8	
2.25E-01	0|0	orange1.1t01733.1	4.37	0	0	2	MASCOT	T	PLEX8	
6.88E-06	0|0	orange1.1t01733.1	9.72	0	15.9	0	2	MASCOT	T	PLEX8
1.30E-03	0|0	orange1.1t01733.1	9.72	0	0	2	MASCOT	T	PLEX8	
2.50E-06	0|0	orange1.1t01733.1	9.72	0	0	2	MASCOT	T	PLEX8	
6.00E-05	0|0	Cs1g23670.1	5.88	0	0	2	MASCOT	T	PLEX8	
1.92E-03	0|0	Cs1g23670.1	6	1	0	2	MASCOT	T	PLEX8	
3.16E-05	0|0	Cs1g23670.1	3.92	0	0	2	MASCOT	T	PLEX8	
2.64E-02	0|0	Cs1g23670.1	5.26	0	0	2	MASCOT	T	PLEX8	
2.76E-03	0|0	Cs1g23670.1	5.26	0	0	2	MASCOT	T	PLEX8	
3.55E-04	0|0	Cs1g23670.1	5.26	0	0	2	MASCOT	T	PLEX8	
8.20E-03	0|0	Cs1g23670.1	5.26	0	0	2	MASCOT	T	PLEX8	
2.89E-02	0|0	Cs1g23670.1	5.26	0	0	2	MASCOT	T	PLEX8	
3.06E-01	0|0	Cs1g23670.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.48E-01	0|0	Cs1g23670.1	4.53	0	0	2	MASCOT	T	PLEX8	
9.15E-02	0|0	Cs1g23670.1	8.31	0	0	2	MASCOT	T	PLEX8	
1.83E-01	0|0	Cs1g23670.1	6.05	0	0	2	MASCOT	T	PLEX8	
2.10E-01	0|0	Cs1g23670.1/Cs6g174	8.59	0	0	2	MASCOT	T	PLEX8	
3.75E-02	0|0	Cs1g23670.1/Cs6g174	8.59	0	0	2	MASCOT	T	PLEX8	
9.72E-02	0|0	Cs1g23670.1/Cs6g174	8.59	0	0	2	MASCOT	T	PLEX8	
2.35E-01	0|0	Cs1g23670.1/Cs6g174	8.59	0	0	2	MASCOT	T	PLEX8	
3.16E-01	0|0	Cs1g23670.1/Cs6g174	8.59	0	0	2	MASCOT	T	PLEX8	
6.38E-03	0|0	Cs4g19670.1/Cs4g196	8.76	1	0	2	MASCOT	T	PLEX8	
5.30E-03	0|0	Cs4g19670.1/Cs4g196	6.75	0	0	2	MASCOT	T	PLEX8	
6.86E-05	0|0	Cs4g19670.1/Cs4g196	6.75	0	0	2	MASCOT	T	PLEX8	
9.82E-03	0|0	Cs4g19670.1/Cs4g196	6.75	0	0	2	MASCOT	T	PLEX8	
4.07E-03	0|0	Cs4g19670.1/Cs4g196	6.75	0	0	2	MASCOT	T	PLEX8	

7.28E-02	0|0	Cs4g19670.1/Cs4g196	5.99	0	0	2	MASCOT	T	PLEX8	
3.04E-01	0|0	Cs4g19670.1/Cs4g196	5.66	0	0	2	MASCOT	T	PLEX8	
5.79E-03	0|0	Cs4g19670.1/Cs4g196	6.04	0	0	2	MASCOT	T	PLEX8	
1.87E-02	0|0	Cs4g19670.1/Cs4g196	6.04	0	0	2	MASCOT	T	PLEX8	
6.21E-02	0|0	Cs4g19670.1/Cs4g196	6.04	0	0	2	MASCOT	T		
4.17E-03	0|0	Cs4g19670.1/Cs4g196	4.21	0	0	2	MASCOT	T	PLEX8	
4.49E-04	0|0	Cs4g19670.1/Cs4g196	4.21	0	0	2	MASCOT	T	PLEX8	
4.90E-02	0|0	Cs4g19670.1/Cs4g196	4.21	0	0	2	MASCOT	T		
3.45E-03	0|0	Cs4g19670.1/Cs4g196	6.75	0	0	2	MASCOT	T	PLEX8	
1.07E-01	0|0	Cs4g19670.1/Cs4g196	5.66	0	0	2	MASCOT	T	PLEX8	
6.12E-02	0|0	Cs4g19670.1/Cs4g196	5.66	0	0	2	MASCOT	T	PLEX8	
4.56E-05	0|0	Cs7g23340.1	6.1	0	0	2	MASCOT	T	PLEX8	
9.38E-03	0|0	Cs7g23340.1	8.59	1	15.9	0	2	MASCOT	T	PLEX8
1.06E-01	0|0	Cs7g23340.1	8.59	1	0	2	MASCOT	T	PLEX8	
1.06E-02	0|0	Cs7g23340.1	8.59	1	0	2	MASCOT	T	PLEX8	
1.16E-01	0|0	Cs7g23340.1	8.52	0	15.9	0	2	MASCOT	T	PLEX8
2.82E-01	0|0	Cs7g23340.1	8.59	0	0	2	MASCOT	T	PLEX8	
3.64E-01	0|0	Cs7g23340.1	5.81	0	15.9	0	2	MASCOT	T	PLEX8
3.94E-02	0|0	Cs7g23340.1	5.81	0	15.9	0	2	MASCOT	T	PLEX8
4.67E-01	0|0	Cs7g23340.1	5.81	0	0	2	MASCOT	T	PLEX8	
1.31E-03	0|0	Cs7g23340.1	5.81	0	0	2	MASCOT	T	PLEX8	
1.43E-02	0|0	Cs7g23340.1	5.81	0	0	2	MASCOT	T	PLEX8	
1.94E-02	0|0	Cs7g23340.1	6.92	0	0	2	MASCOT	T	PLEX8	
4.99E-01	0|0	Cs7g23340.1	6.92	0	0	2	MASCOT	T	PLEX8	
1.00E-01	0|0	Cs7g23340.1	6.92	0	0	2	MASCOT	T	PLEX8	
1.03E-01	0|0	Cs7g23340.1	5.75	0	0	2	MASCOT	T	PLEX8	
2.01E-01	0|0	Cs7g23340.1	9.75	0	0	2	MASCOT	T	PLEX8	
1.07E-01	0|0	Cs5g33580.1	4.21	0	0	2	MASCOT	T	PLEX8	
4.57E-02	0|0	Cs5g33580.1	4.25	0	0	2	MASCOT	T		
2.37E-02	0|0	Cs5g33580.1	4.25	0	0	2	MASCOT	T		
1.19E-02	0|0	Cs5g33580.1	4.25	0	0	2	MASCOT	T		
2.31E-01	0|0	Cs5g33580.1	5.84	0	0	2	MASCOT	T	PLEX8	
3.05E-03	0|0	Cs5g33580.1	6.92	0	0	2	MASCOT	T	PLEX8	
1.15E-01	0|0	Cs5g33580.1	6.92	0	0	2	MASCOT	T	PLEX8	
1.86E-02	0|0	Cs5g33580.1	6.92	0	0	2	MASCOT	T	PLEX8	
1.83E-02	0|0	Cs5g33580.1	6.92	0	0	2	MASCOT	T	PLEX8	
1.26E-02	0|0	Cs5g33580.1	6.92	0	0	2	MASCOT	T	PLEX8	
6.50E-02	0|0	Cs5g33580.1	4.37	0	15.9	0	2	MASCOT	T	PLEX8
6.31E-03	0|0	Cs5g33580.1	6.79	0	0	2	MASCOT	T	PLEX8	
6.08E-03	0|0	Cs5g33580.1	6.79	0	0	2	MASCOT	T	PLEX8	
2.68E-01	0|0	Cs5g33580.1	8.8	0	0	2	MASCOT	T	PLEX8	
1.57E-02	0|0	Cs5g33580.1	4.37	0	0	2	MASCOT	T	PLEX8	
5.62E-04	0|0	gi|113952631	6.75	0	0	2	MASCOT	T		
1.93E-03	0|0	gi|113952631	5.83	0	0	2	MASCOT	T	PLEX8	
7.96E-04	0|0	gi|113952631	5.83	0	0	2	MASCOT	T	PLEX8	
8.60E-03	0|0	gi|113952631	5.83	0	0	2	MASCOT	T	PLEX8	
1.19E-03	0|0	gi|113952631	5.83	0	0	2	MASCOT	T	PLEX8	
1.24E-02	0|0	gi|113952631	5.83	0	0	2	MASCOT	T	PLEX8	
1.25E-01	0|0	gi|113952631	5.72	0	0	2	MASCOT	T	PLEX8	
8.59E-02	0|0	gi|113952631	4	0	0	2	MASCOT	T	PLEX8	
1.08E-02	0|0	gi|113952631	4.41	0	0	2	MASCOT	T	PLEX8	

3.57E-02	0|0	gi|113952631	6.73	0	0	2	MASCOT	T		
8.04E-05	0|0	gi|113952631	5.75	0	0	2	MASCOT	T	PLEX8	
2.04E-02	0|0	gi|113952631	5.97	0	0	2	MASCOT	T	PLEX8	
3.42E-02	0|0	gi|113952631	5.97	0	0	2	MASCOT	T	PLEX8	
1.47E-01	0|0	gi|113952631	5.97	0	0	2	MASCOT	T	PLEX8	
3.74E-02	0|0	gi|113952631	5.97	0	0	2	MASCOT	T	PLEX8	
8.32E-03	0|0	Cs1g08550.1/Cs1g085	5.88	0	0	2	MASCOT	T	PLEX8	
5.72E-02	0|0	Cs1g08550.1/Cs1g085	5.88	0	0	2	MASCOT	T	PLEX8	
9.33E-02	0|0	Cs1g08550.1/Cs1g085	4.14	0	0	2	MASCOT	T		
1.55E-01	0|0	Cs1g08550.1/Cs1g085	6	0	0	2	MASCOT	T	PLEX8	
1.41E-01	0|0	Cs1g08550.1/Cs1g085	9.76	0	0	2	MASCOT	T		
2.71E-01	0|0	Cs1g08550.1/Cs1g085	8.47	0	0	2	MASCOT	T	PLEX8	
2.56E-01	0|0	Cs1g08550.1/Cs1g085	8.47	0	0	2	MASCOT	T	PLEX8	
1.31E-01	0|0	Cs1g08550.1/Cs1g085	8.47	0	0	2	MASCOT	T	PLEX8	
3.69E-03	0|0	Cs1g08550.1/Cs1g085	8.47	0	0	2	MASCOT	T	PLEX8	
5.81E-03	0|0	Cs1g08550.1/Cs1g085	4.37	0	0	2	MASCOT	T	PLEX8	
1.50E-04	0|0	Cs1g08550.1/Cs1g085	4.37	0	0	2	MASCOT	T	PLEX8	
4.55E-04	0|0	Cs1g08550.1/Cs1g085	4.37	0	0	2	MASCOT	T	PLEX8	
7.48E-02	0|0	Cs1g08550.1/Cs1g085	8.5	0	15.9	0	2	MASCOT	T	PLEX8
3.47E-01	0|0	Cs1g08550.1/Cs1g085	9.5	0	0	2	MASCOT	T	PLEX8	
1.56E-02	0|0	Cs1g12280.2	5.84	0	0	2	MASCOT	T	PLEX8	
6.61E-04	0|0	Cs1g12280.2	5.84	0	0	2	MASCOT	T	PLEX8	
2.84E-03	0|0	Cs1g12280.2	5.84	0	0	2	MASCOT	T	PLEX8	
1.12E-03	0|0	Cs1g12280.1/Cs1g122	4.48	0	0	2	MASCOT	T	PLEX8	
5.53E-02	0|0	Cs1g12280.1/Cs1g122	4.32	1	0	2	MASCOT	T	PLEX8	
3.43E-04	0|0	Cs1g12280.2/Cs1g122	4.53	0	0	2	MASCOT	T		
4.52E-02	0|0	Cs1g12280.1/Cs1g122	9.72	0	0	2	MASCOT	T		
2.77E-05	0|0	Cs1g12280.1/Cs1g122	4.37	0	0	2	MASCOT	T	PLEX8	
1.09E-05	0|0	Cs1g12280.1/Cs1g122	4.37	0	0	2	MASCOT	T	PLEX8	
2.18E-05	0|0	Cs1g12280.1/Cs1g122	4.37	0	0	2	MASCOT	T	PLEX8	
1.12E-01	0|0	Cs1g12280.1/Cs1g122	6.74	0	0	2	MASCOT	T	PLEX8	
8.48E-02	0|0	Cs1g12280.1/Cs1g122	6.74	0	0	2	MASCOT	T	PLEX8	
2.73E-02	0|0	Cs1g12280.1/Cs1g122	4.37	0	0	2	MASCOT	T		
5.63E-04	0|0	Cs1g12280.1/Cs1g122	4.37	0	0	2	MASCOT	T		
9.98E-03	0|0	Cs5g16400.1	5.87	0	0	2	MASCOT	T		
1.87E-02	0|0	Cs5g16400.1	5.87	0	0	2	MASCOT	T		
8.83E-03	0|0	Cs5g16400.1	4.37	0	0	2	MASCOT	T	PLEX8	
2.47E-01	0|0	Cs5g16400.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.07E-02	0|0	Cs5g16400.1	6.05	0	0	2	MASCOT	T	PLEX8	
4.24E-04	0|0	Cs5g16400.1	6.05	0	0	2	MASCOT	T	PLEX8	
4.66E-02	0|0	Cs5g16400.1	6.05	0	0	2	MASCOT	T	PLEX8	
7.66E-02	0|0	Cs5g16400.1	6.24	0	0	2	MASCOT	T	PLEX8	
3.13E-02	0|0	Cs5g16400.1	5.84	0	0	2	MASCOT	T		
8.24E-03	0|0	Cs5g16400.1	4.37	0	0	2	MASCOT	T	PLEX8	
3.40E-02	0|0	Cs5g16400.1	5.29	0	0	2	MASCOT	T	PLEX8	
5.04E-05	0|0	Cs5g16400.1	5.29	0	0	2	MASCOT	T	PLEX8	
8.29E-04	0|0	Cs5g16400.1	5.29	0	0	2	MASCOT	T	PLEX8	
9.14E-03	0|0	Cs5g16400.1	5.29	0	0	2	MASCOT	T		
5.66E-02	0|0	Cs6g21370.1/Cs6g213	5.84	0	0	2	MASCOT	T	PLEX8	
6.09E-03	0|0	Cs6g21370.1/Cs6g213	5.32	0	0	2	MASCOT	T	PLEX8	
7.30E-03	0|0	Cs6g21370.1/Cs6g213	5.32	0	0	2	MASCOT	T	PLEX8	

1.96E-02 0|0	Cs6g21370.1/Cs6g213	5.5	0	0	2 MASCOT	T	PLEX8
2.37E-04 0|0	Cs6g21370.1/Cs6g213	5.5	0	0	2 MASCOT	T	PLEX8
1.74E-01 0|0	Cs6g21370.1/Cs6g213	8.75	0	0	2 MASCOT	T	PLEX8
2.06E-01 0|0	Cs6g21370.1/Cs6g213	8.75	0	0	2 MASCOT	T	PLEX8
6.68E-03 0|0	Cs6g21370.1/Cs6g213	8.75	0	0	2 MASCOT	T	PLEX8
1.54E-02 0|0	Cs6g21370.1/Cs6g213	9.51	0	0	2 MASCOT	T	PLEX8
3.85E-01 0|0	Cs6g21370.1/Cs6g213	9.51	0	0	2 MASCOT	T	
4.19E-01 0|0	Cs6g21370.1/Cs6g213	9.51	0	0	2 MASCOT	T	PLEX8
5.76E-02 0|0	Cs6g21370.1/Cs6g213	8.41	0	0	2 MASCOT	T	PLEX8
1.45E-01 0|0	Cs6g21370.1/Cs6g213	5.32	0	0	2 MASCOT	T	
2.55E-01 0|0	Cs6g21370.1/Cs6g213	5.32	0	0	2 MASCOT	T	PLEX8
4.02E-02 0|0	Cs6g21900.1	8.75	0	0	2 MASCOT	T	PLEX8
2.91E-02 0|0	Cs6g21900.1	8.22	0	0	2 MASCOT	T	PLEX8
1.15E-02 0|0	Cs6g21900.1/Cs6g219	4.41	1	0	2 MASCOT	T	PLEX8
7.19E-02 0|0	Cs6g21900.1/Cs6g219	12	0	0	2 MASCOT	T	PLEX8
3.26E-03 0|0	Cs6g21900.1/Cs6g219	4	0	0	2 MASCOT	T	PLEX8
5.17E-02 0|0	Cs6g21900.1/Cs6g219	8.75	0	0	2 MASCOT	T	PLEX8
2.95E-01 0|0	Cs6g21900.1/Cs6g219	8.75	0	0	2 MASCOT	T	PLEX8
2.66E-02 0|0	Cs6g21900.1/Cs6g219	4.37	0	0	2 MASCOT	T	PLEX8
7.03E-04 0|0	Cs6g21900.1/Cs6g219	4.37	0	0	2 MASCOT	T	PLEX8
3.40E-01 0|0	Cs6g21900.1/Cs6g219	4.75	0	0	2 MASCOT	T	PLEX8
5.37E-03 0|0	Cs6g21900.1/Cs6g219	4.75	0	0	2 MASCOT	T	PLEX8
3.45E-01 0|0	Cs6g21900.1/Cs6g219	4.75	0	0	2 MASCOT	T	PLEX8
5.61E-06 0|0	Cs6g21900.1/Cs6g219	4.75	0	0	2 MASCOT	T	PLEX8
1.87E-01 0|0	Cs6g21900.1/Cs6g219	4.75	0	0	2 MASCOT	T	
5.73E-02 0|0	Cs8g04930.1	4.53	0	0	2 MASCOT	T	PLEX8
3.27E-04 0|0	Cs8g04930.1	4.53	0	0	2 MASCOT	T	PLEX8
2.57E-03 0|0	Cs8g04930.1	4.53	0	0	2 MASCOT	T	PLEX8
4.42E-02 0|0	Cs8g04930.1	6.75	0	0	2 MASCOT	T	PLEX8
6.49E-07 0|0	Cs8g04930.1	6.75	0	0	2 MASCOT	T	PLEX8
5.00E-02 0|0	Cs8g04930.1	4.37	0	0	2 MASCOT	T	PLEX8
6.29E-02 0|0	Cs8g04930.1	5.84	0	0	2 MASCOT	T	PLEX8
2.41E-01 0|0	Cs8g04930.1	5.84	0	0	2 MASCOT	T	PLEX8
2.19E-01 0|0	Cs8g04930.1	8.22	0	0	2 MASCOT	T	PLEX8
2.06E-01 0|0	Cs8g04930.1	8.22	0	0	2 MASCOT	T	PLEX8
1.48E-01 0|0	Cs8g04930.1	5.84	0	0	2 MASCOT	T	PLEX8
1.19E-01 0|0	Cs8g04930.1	4.75	1	0	2 MASCOT	T	PLEX8
1.73E-01 0|0	Cs8g04930.1	4.25	0	0	2 MASCOT	T	PLEX8
1.10E-01 0|0	Cs8g04930.1	4.25	0	0	2 MASCOT	T	PLEX8
4.83E-02 0|0	Cs5g04170.1/Cs5g041	8.8	0	0	2 MASCOT	T	PLEX8
1.06E-01 0|0	Cs5g04170.1/Cs5g041	4.37	0	0	2 MASCOT	T	PLEX8
3.88E-02 0|0	Cs5g04170.1/Cs5g041	4.53	0	0	2 MASCOT	T	PLEX8
2.96E-03 0|0	Cs5g04170.1/Cs5g041	4.37	0	0	2 MASCOT	T	PLEX8
2.06E-02 0|0	Cs5g04170.1/Cs5g041	4.53	0	0	2 MASCOT	T	PLEX8
2.52E-01 0|0	Cs5g04170.1/Cs5g041	4.53	0	0	2 MASCOT	T	PLEX8
9.67E-03 0|0	Cs5g04170.1/Cs5g041	4.53	0	0	2 MASCOT	T	PLEX8
6.75E-04 0|0	Cs5g04170.2/Cs5g041	6	0	0	2 MASCOT	T	PLEX8
1.56E-02 0|0	Cs5g04170.2/Cs5g041	6	0	0	2 MASCOT	T	PLEX8
6.84E-04 0|0	Cs5g04170.2/Cs5g041	6	0	0	2 MASCOT	T	PLEX8
2.70E-01 0|0	Cs5g04170.2/Cs5g041	6	0	0	2 MASCOT	T	PLEX8
1.81E-01 0|0	Cs5g04170.1/Cs5g041	4.22	0	0	2 MASCOT	T	PLEX8

3.33E-01	0|0	Cs5g04170.1/Cs5g041	5.83	0	0	2	MASCOT	T	PLEX8	
7.17E-02	0|0	Cs5g31240.1/Cs5g312	4.53	0	0	2	MASCOT	T	PLEX8	
7.24E-03	0|0	Cs5g31240.1/Cs5g312	4.53	0	0	2	MASCOT	T	PLEX8	
9.43E-05	0|0	Cs5g31240.1/Cs5g312	4.53	0	0	2	MASCOT	T	PLEX8	
1.30E-03	0|0	Cs5g31240.1/Cs5g312	4.53	0	0	2	MASCOT	T	PLEX8	
5.08E-02	0|0	Cs5g31240.1/Cs5g312	4.37	0	0	2	MASCOT	T	PLEX8	
1.79E-01	0|0	Cs5g31240.1	4.37	0	15.9	0	2	MASCOT	T	PLEX8
1.30E-01	0|0	Cs5g31240.1/Cs5g312	4.53	0	0	2	MASCOT	T	PLEX8	
7.75E-02	0|0	Cs5g31240.1/Cs5g312	4.21	0	0	2	MASCOT	T	PLEX8	
3.80E-01	0|0	Cs5g31240.1/Cs5g312	6	0	0	2	MASCOT	T		
1.00E-01	0|0	Cs5g31240.1/Cs5g312	6	0	0	2	MASCOT	T		
1.29E-01	0|0	Cs5g31240.1/Cs5g312	5.55	0	0	2	MASCOT	T	PLEX8	
8.86E-02	0|0	Cs5g31240.1/Cs5g312	5.55	0	0	2	MASCOT	T	PLEX8	
6.60E-02	0|0	Cs5g31240.1/Cs5g312	9.41	0	0	2	MASCOT	T	PLEX8	
7.78E-03	0|0	Cs1g26380.1/Cs1g263	4.37	0	0	2	MASCOT	T		
2.68E-03	0|0	Cs1g26380.1/Cs1g263	4.37	0	0	2	MASCOT	T		
2.04E-04	0|0	Cs8g01610.1/Cs8g016	9.6	1	0	2	MASCOT	T	PLEX8	
3.57E-02	0|0	Cs8g01610.1/Cs8g016	9.6	1	0	2	MASCOT	T	PLEX8	
2.38E-05	0|0	Cs8g01610.1/Cs8g016	9.41	0	0	2	MASCOT	T		
4.09E-03	0|0	Cs8g01610.1/Cs8g016	9.41	0	0	2	MASCOT	T		
7.36E-02	0|0	Cs1g26380.1/Cs1g263	8.73	0	0	2	MASCOT	T	PLEX8	
2.71E-02	0|0	Cs1g26380.1/Cs1g263	5.32	0	0	2	MASCOT	T	PLEX8	
5.48E-02	0|0	Cs1g26380.1/Cs1g263	5.32	0	0	2	MASCOT	T	PLEX8	
1.44E-01	0|0	Cs1g26380.1/Cs8g016	6.74	0	0	2	MASCOT	T	PLEX8	
1.19E-03	0|0	Cs1g26380.1/Cs8g016	6.74	0	0	2	MASCOT	T	PLEX8	
1.57E-03	0|0	Cs8g01610.1/Cs8g016	6.74	0	0	2	MASCOT	T	PLEX8	
8.89E-02	0|0	Cs8g01610.1/Cs8g016	5.81	0	0	2	MASCOT	T		
7.50E-03	0|0	Cs8g16680.1/Cs8g166	4.54	0	0	2	MASCOT	T	PLEX8	
5.14E-01	0|0	Cs8g16680.1/Cs8g166	6.74	0	0	2	MASCOT	T	PLEX8	
3.57E-01	0|0	Cs8g16680.1/Cs8g166	4.53	0	0	2	MASCOT	T	PLEX8	
9.13E-02	0|0	Cs8g16680.1/Cs8g166	4.53	0	0	2	MASCOT	T	PLEX8	
2.21E-02	0|0	Cs8g16680.1/Cs8g166	5.95	0	15.9	0	2	MASCOT	T	
6.16E-04	0|0	Cs8g16680.1/Cs8g166	5.95	0	15.9	0	2	MASCOT	T	
1.64E-01	0|0	Cs8g16680.2/Cs8g166	5.55	0	0	2	MASCOT	T		
4.35E-03	0|0	Cs8g16680.1/Cs8g166	4.14	0	0	2	MASCOT	T	PLEX8	
2.34E-01	0|0	Cs8g16680.1/Cs8g166	4.14	0	0	2	MASCOT	T	PLEX8	
6.91E-04	0|0	Cs8g16680.1/Cs8g166	4.53	0	0	2	MASCOT	T	PLEX8	
2.26E-01	0|0	Cs8g16680.1/Cs8g166	4.53	0	0	2	MASCOT	T	PLEX8	
2.02E-02	0|0	Cs8g16680.1/Cs8g166	5.84	0	0	2	MASCOT	T	PLEX8	
3.05E-02	0|0	Cs8g16680.1/Cs8g166	5.84	0	0	2	MASCOT	T	PLEX8	
4.24E-01	0|0	Cs8g17370.1/Cs8g173	4.56	0	0	2	MASCOT	T		
1.34E-02	0|0	Cs8g17370.1/Cs8g173	4.21	0	0	2	MASCOT	T	PLEX8	
2.95E-01	0|0	Cs8g17370.1/Cs8g173	4.21	0	0	2	MASCOT	T	PLEX8	
1.38E-03	0|0	Cs1g25730.1/Cs8g027	6.74	0	0	2	MASCOT	T	PLEX8	
7.05E-03	0|0	Cs8g17370.1/Cs8g173	4.37	0	0	2	MASCOT	T	PLEX8	
4.68E-03	0|0	Cs8g17370.1/Cs8g173	6.74	0	0	2	MASCOT	T		
5.21E-04	0|0	Cs8g17370.1/Cs8g173	4.1	0	0	2	MASCOT	T	PLEX8	
9.48E-08	0|0	Cs8g17370.1/Cs8g173	4.1	0	0	2	MASCOT	T	PLEX8	
5.06E-04	0|0	Cs8g17370.1/Cs8g173	5.32	0	0	2	MASCOT	T	PLEX8	
1.20E-06	0|0	Cs8g17370.1/Cs8g173	5.32	0	0	2	MASCOT	T	PLEX8	
6.32E-05	0|0	Cs8g17370.1/Cs8g173	5.32	0	0	2	MASCOT	T		

8.86E-02	0|0	Cs8g17370.1/Cs8g173	5.32	0	0	2	MASCOT	T		
1.17E-03	0|0	Cs8g17370.1/Cs8g173	5.84	0	0	2	MASCOT	T	PLEX8	
2.58E-03	0|0	Cs8g02730.1	4.14	0	0	2	MASCOT	T		
1.38E-03	0|0	Cs1g25730.1/Cs8g027	6.74	0	0	2	MASCOT	T	PLEX8	
8.50E-03	0|0	Cs8g02730.1	4.14	0	0	2	MASCOT	T	PLEX8	
1.78E-03	0|0	Cs8g02730.1	6	0	0	2	MASCOT	T	PLEX8	
4.80E-03	0|0	Cs8g02730.1	6	0	0	2	MASCOT	T	PLEX8	
5.07E-02	0|0	Cs1g25730.1/Cs8g027	6.79	0	0	2	MASCOT	T		
1.58E-01	0|0	Cs8g02730.1	6.74	0	0	2	MASCOT	T	PLEX8	
1.54E-01	0|0	Cs8g02730.1	6.74	0	0	2	MASCOT	T	PLEX8	
1.35E-02	0|0	Cs8g02730.1	6.74	0	0	2	MASCOT	T		
4.03E-03	0|0	Cs8g02730.1	5.21	0	0	2	MASCOT	T	PLEX8	
9.27E-03	0|0	Cs1g25730.1/Cs8g027	6.5	1	15.9	0	2	MASCOT	T	
3.54E-02	0|0	Cs1g25730.1/Cs8g027	6.5	1	15.9	0	2	MASCOT	T	PLEX8
4.15E-01	0|0	Cs9g04980.1	8.8	0	0	2	MASCOT	T	PLEX8	
9.81E-02	0|0	Cs9g04980.1	8.8	0	0	2	MASCOT	T	PLEX8	
3.25E-03	0|0	Cs9g04980.1/Cs9g049	4.37	0	0	2	MASCOT	T		
4.34E-04	0|0	Cs9g04980.1/Cs9g049	4.54	0	15.9	0	2	MASCOT	T	PLEX8
1.88E-02	0|0	Cs9g04980.1/Cs9g049	4.54	0	0	2	MASCOT	T	PLEX8	
9.83E-02	0|0	Cs9g04980.1/Cs9g049	6.07	1	0	2	MASCOT	T	PLEX8	
2.52E-01	0|0	Cs9g04980.1	5.55	0	0	2	MASCOT	T	PLEX8	
6.04E-03	0|0	Cs9g04980.1/Cs9g049	4.53	0	0	2	MASCOT	T		
1.53E-04	0|0	Cs9g04980.1/Cs9g049	4.54	0	0	2	MASCOT	T	PLEX8	
4.53E-04	0|0	Cs9g04980.1/Cs9g049	4.54	0	0	2	MASCOT	T	PLEX8	
9.92E-05	0|0	Cs9g04980.1	5.21	0	0	2	MASCOT	T	PLEX8	
4.57E-01	0|0	Cs9g04980.1	5.21	0	0	2	MASCOT	T		
4.96E-02	0|0	Cs2g05790.1	6.1	0	0	2	MASCOT	T	PLEX8	
1.09E-02	0|0	Cs2g05790.1	6.1	0	0	2	MASCOT	T	PLEX8	
1.20E-02	0|0	Cs2g05790.1	9.75	0	0	2	MASCOT	T	PLEX8	
1.87E-01	0|0	Cs2g05790.1	12	0	0	2	MASCOT	T		
1.23E-03	0|0	Cs2g05790.1	8.75	0	0	2	MASCOT	T	PLEX8	
2.13E-02	0|0	Cs2g05790.1	8.75	0	0	2	MASCOT	T	PLEX8	
1.77E-02	0|0	Cs2g05790.1	8.75	0	0	2	MASCOT	T	PLEX8	
8.74E-02	0|0	Cs2g05790.1	5.88	0	0	2	MASCOT	T	PLEX8	
5.05E-03	0|0	Cs2g05790.1	8.8	0	0	2	MASCOT	T	PLEX8	
2.26E-03	0|0	Cs2g05790.1	4.53	0	0	2	MASCOT	T	PLEX8	
2.89E-01	0|0	Cs2g05790.1	8.75	0	0	2	MASCOT	T	PLEX8	
1.78E-02	0|0	Cs2g09890.1	5.32	0	0	2	MASCOT	T	PLEX8	
8.65E-02	0|0	Cs2g09890.1	5.32	0	0	2	MASCOT	T	PLEX8	
4.80E-04	0|0	Cs2g09890.1	5.32	0	0	2	MASCOT	T		
1.40E-01	0|0	Cs2g09890.1/Cs2g098	5.88	0	0	2	MASCOT	T	PLEX8	
8.71E-03	0|0	Cs2g09890.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.65E-01	0|0	Cs2g09890.1/Cs2g098	5.4	0	0	2	MASCOT	T	PLEX8	
1.58E-02	0|0	Cs2g09890.1/Cs2g098	8.75	0	0	2	MASCOT	T	PLEX8	
2.66E-01	0|0	Cs2g09890.1/Cs2g098	8.47	0	0	2	MASCOT	T	PLEX8	
2.15E-03	0|0	Cs2g09890.1/Cs2g098	8.47	0	0	2	MASCOT	T	PLEX8	
5.22E-02	0|0	Cs2g09890.1/Cs2g098	6.79	0	0	2	MASCOT	T	PLEX8	
3.38E-02	0|0	Cs2g09890.1	5.99	0	0	2	MASCOT	T	PLEX8	
3.72E-01	0|0	Cs4g04820.1	4.37	0	0	2	MASCOT	T	PLEX8	
2.13E-04	0|0	Cs4g04820.1	4.37	0	0	2	MASCOT	T	PLEX8	
9.11E-03	0|0	Cs4g04820.1	6.84	0	0	2	MASCOT	T		

1.53E-01	0|0	Cs4g04820.1	8.76	0	0	2	MASCOT	T	PLEX8	
1.24E-01	0|0	Cs4g04820.1	8.76	0	0	2	MASCOT	T	PLEX8	
3.62E-03	0|0	Cs4g04820.1	5.81	0	0	2	MASCOT	T		
3.31E-01	0|0	Cs4g04820.1	5.32	0	0	2	MASCOT	T		
9.07E-03	0|0	Cs4g04820.1	6	0	15.9	0	2	MASCOT	T	PLEX8
1.76E-04	0|0	Cs4g04820.1	6	0	0	2	MASCOT	T	PLEX8	
1.63E-01	0|0	Cs4g04820.1	6.41	0	0	2	MASCOT	T	PLEX8	
5.03E-04	0|0	Cs4g04820.1	4.25	0	0	2	MASCOT	T	PLEX8	
3.93E-02	0|0	Cs4g05700.1/Cs4g057	8.63	0	0	2	MASCOT	T	PLEX8	
5.10E-03	0|0	Cs4g05700.1	4.37	0	0	2	MASCOT	T		
3.99E-03	0|0	Cs4g05700.1	4.37	0	0	2	MASCOT	T		
1.11E-02	0|0	Cs4g05700.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.38E-01	0|0	Cs4g05700.1/Cs4g057	4.14	0	0	2	MASCOT	T	PLEX8	
2.02E-02	0|0	Cs4g05700.1/Cs4g057	6.74	0	0	2	MASCOT	T	PLEX8	
4.44E-03	0|0	Cs4g05700.1/Cs4g057	6.74	0	0	2	MASCOT	T	PLEX8	
2.79E-02	0|0	Cs4g05700.1/Cs4g057	6.75	0	0	2	MASCOT	T		
7.90E-03	0|0	Cs4g05700.1/Cs4g057	5.4	0	0	2	MASCOT	T	PLEX8	
3.68E-01	0|0	Cs4g05700.1/Cs4g057	5.4	0	0	2	MASCOT	T	PLEX8	
6.03E-02	0|0	Cs4g05700.1	8.47	0	0	2	MASCOT	T	PLEX8	
6.45E-03	0|0	Cs5g12900.1/Cs5g129	4.53	0	0	2	MASCOT	T	PLEX8	
2.68E-01	0|0	Cs5g12900.1/Cs5g129	4.53	0	0	2	MASCOT	T	PLEX8	
7.74E-02	0|0	Cs5g12900.1/Cs5g129	4.53	0	0	2	MASCOT	T		
8.74E-05	0|0	Cs5g12880.1/Cs5g128	6.46	0	0	2	MASCOT	T	PLEX8	
2.27E-01	0|0	Cs5g12880.1/Cs5g128	6.46	0	0	2	MASCOT	T	PLEX8	
6.97E-02	0|0	Cs4g12220.1/Cs5g128	8.41	0	0	2	MASCOT	T	PLEX8	
1.25E-01	0|0	Cs5g12900.1/Cs5g129	6.96	0	0	2	MASCOT	T		
1.68E-01	0|0	Cs5g12880.1/Cs5g129	5.88	0	0	2	MASCOT	T	PLEX8	
7.02E-02	0|0	Cs4g11320.1 ! Cs4g11	6.75	0	0	2	MASCOT	T	PLEX8	
3.08E-02	0|0	Cs5g12900.1/Cs5g129	4.31	0	0	2	MASCOT	T	PLEX8	
9.92E-04	0|0	Cs5g12880.1/Cs5g129	4.14	0	0	2	MASCOT	T	PLEX8	
1.54E-01	0|0	Cs7g04570.1/Cs7g045	9.8	0	0	2	MASCOT	T	PLEX8	
3.79E-04	0|0	Cs7g04570.1/Cs7g045	4.14	0	0	2	MASCOT	T		
1.59E-04	0|0	Cs7g04570.1/Cs7g045	4.14	0	0	2	MASCOT	T		
1.56E-01	0|0	Cs7g04570.1/Cs7g045	8.25	0	0	2	MASCOT	T		
1.71E-02	0|0	Cs7g04570.1/Cs7g045	4.37	0	0	2	MASCOT	T		
3.54E-02	0|0	Cs7g04570.1/Cs7g045	5.55	0	0	2	MASCOT	T	PLEX8	
6.07E-04	0|0	Cs7g04570.1/Cs7g045	5.55	0	0	2	MASCOT	T	PLEX8	
9.30E-02	0|0	Cs7g04570.1	5.99	0	0	2	MASCOT	T	PLEX8	
4.50E-02	0|0	Cs7g04570.1/Cs7g045	8.26	0	0	2	MASCOT	T	PLEX8	
1.76E-04	0|0	Cs7g04570.1/Cs7g045	9.51	0	0	2	MASCOT	T		
1.20E-01	0|0	Cs7g04570.1/Cs7g045	9.51	0	0	2	MASCOT	T		
7.91E-03	0|0	Cs1g16570.1	5.5	0	0	2	MASCOT	T	PLEX8	
2.36E-01	0|0	Cs1g16570.1	8.64	0	0	2	MASCOT	T		
1.36E-01	0|0	Cs1g16570.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.55E-01	0|0	Cs1g16570.1	5.84	0	0	2	MASCOT	T	PLEX8	
3.14E-02	0|0	Cs1g16570.1	4.37	0	0	2	MASCOT	T		
1.57E-03	0|0	Cs1g16570.1	4.37	0	0	2	MASCOT	T		
6.54E-04	0|0	Cs1g16570.1	4.54	0	0	2	MASCOT	T	PLEX8	
3.25E-02	0|0	Cs1g16570.1	4.54	0	0	2	MASCOT	T	PLEX8	
2.34E-01	0|0	Cs1g16570.1	6	0	0	2	MASCOT	T	PLEX8	
5.85E-07	0|0	Cs1g16570.1	4.14	0	0	2	MASCOT	T		

1.05E-01	0|0	Cs3g01840.1/Cs3g018	5.84	0	0	2	MASCOT	T	PLEX8
8.83E-04	0|0	Cs3g01840.1/Cs3g018	4.25	0	0	2	MASCOT	T	
3.88E-03	0|0	Cs3g01840.1/Cs3g018	4.53	0	0	2	MASCOT	T	PLEX8
5.77E-05	0|0	Cs3g01840.1/Cs3g018	4.53	0	0	2	MASCOT	T	PLEX8
5.16E-02	0|0	Cs3g01840.1/Cs3g018	8.47	0	0	2	MASCOT	T	PLEX8
4.99E-01	0|0	Cs3g01840.1/Cs3g018	8.47	0	0	2	MASCOT	T	PLEX8
4.39E-02	0|0	Cs3g01840.1/Cs3g018	4.03	0	0	2	MASCOT	T	
1.75E-01	0|0	Cs3g01840.1/Cs3g018	4.37	0	0	2	MASCOT	T	
3.09E-04	0|0	Cs3g01840.1/Cs3g018	4.53	0	0	2	MASCOT	T	
1.40E-03	0|0	Cs3g01840.1/Cs3g018	4.53	0	0	2	MASCOT	T	
1.42E-02	0|0	Cs3g25680.1/Cs3g256	3.84	0	0	2	MASCOT	T	
4.08E-04	0|0	Cs3g25680.1/Cs3g256	4.75	0	0	2	MASCOT	T	PLEX8
4.08E-02	0|0	Cs3g25680.1/Cs3g256	4.75	0	0	2	MASCOT	T	PLEX8
3.72E-05	0|0	Cs3g25680.2	4.37	0	0	2	MASCOT	T	PLEX8
1.12E-02	0|0	Cs3g25680.1/Cs3g256	4.37	0	0	2	MASCOT	T	
2.78E-04	0|0	Cs3g25680.1/Cs3g256	5.32	0	0	2	MASCOT	T	PLEX8
7.29E-03	0|0	Cs3g25680.1/Cs3g256	5.32	0	0	2	MASCOT	T	PLEX8
2.53E-02	0|0	Cs3g25680.2	4.31	0	0	2	MASCOT	T	PLEX8
2.16E-01	0|0	Cs3g25680.1/Cs3g256	8.75	0	0	2	MASCOT	T	PLEX8
4.86E-06	0|0	Cs3g25680.1/Cs3g256	6	0	0	2	MASCOT	T	
6.68E-04	0|0	Cs5g10530.1/Cs5g105	6.79	0	0	2	MASCOT	T	PLEX8
3.15E-01	0|0	Cs5g10530.1/Cs5g105	6.75	0	0	2	MASCOT	T	PLEX8
1.06E-03	0|0	Cs5g10530.1/Cs5g105	4.53	0	15.9	0	2	MASCOT	T
7.24E-02	0|0	Cs5g10530.1/Cs5g105	4.53	0	0	2	MASCOT	T	
6.12E-02	0|0	Cs5g10530.1	5.32	0	0	2	MASCOT	T	PLEX8
1.44E-02	0|0	Cs5g10530.1/Cs5g105	8.59	0	0	2	MASCOT	T	PLEX8
6.56E-03	0|0	Cs5g10530.1	4.54	0	0	2	MASCOT	T	PLEX8
2.36E-01	0|0	Cs5g10530.1	4.54	0	0	2	MASCOT	T	
6.15E-02	0|0	Cs5g10530.1/Cs5g105	5.32	0	0	2	MASCOT	T	PLEX8
1.25E-02	0|0	Cs5g10530.1/Cs5g105	4.21	0	0	2	MASCOT	T	PLEX8
6.55E-02	0|0	Cs6g21540.1	5.08	0	0	2	MASCOT	T	
1.67E-01	0|0	Cs6g21540.1 ! Cs5g16	5.84	0	0	2	MASCOT	T	PLEX8
1.32E-01	0|0	Cs6g21540.1	5.32	0	0	2	MASCOT	T	PLEX8
2.40E-02	0|0	Cs6g21540.1	5.32	0	0	2	MASCOT	T	PLEX8
1.61E-02	0|0	Cs6g21540.1	4.37	0	0	2	MASCOT	T	PLEX8
1.99E-01	0|0	Cs6g21540.1	4.37	0	0	2	MASCOT	T	PLEX8
8.70E-02	0|0	Cs6g21540.1	4.37	0	0	2	MASCOT	T	PLEX8
7.95E-03	0|0	Cs6g21540.1	5.84	0	0	2	MASCOT	T	PLEX8
1.20E-03	0|0	Cs6g21540.1	6	0	0	2	MASCOT	T	PLEX8
1.11E-02	0|0	Cs6g21540.1	9.72	0	0	2	MASCOT	T	PLEX8
4.45E-06	0|0	Cs2g09970.1/Cs3g261	4.14	0	0	2	MASCOT	T	PLEX8
7.72E-04	0|0	Cs6g16900.1/Cs6g169	4.31	0	0	2	MASCOT	T	PLEX8
9.11E-03	0|0	Cs2g09970.1/Cs3g261	9.75	0	0	2	MASCOT	T	
4.63E-03	0|0	Cs2g09970.1/Cs3g261	5.84	0	0	2	MASCOT	T	PLEX8
5.97E-02	0|0	Cs2g09970.1/Cs3g261	11	1	0	2	MASCOT	T	PLEX8
1.18E-02	0|0	Cs2g09970.1/Cs3g261	11	1	0	2	MASCOT	T	
2.70E-03	0|0	Cs2g09970.1/Cs3g261	9.76	0	15.9	0	2	MASCOT	T
2.19E-03	0|0	Cs2g09970.1/Cs6g074	8.5	0	0	2	MASCOT	T	PLEX8
6.11E-03	0|0	Cs2g09970.1/Cs3g261	8.75	0	0	2	MASCOT	T	PLEX8
1.16E-03	0|0	Cs5g02540.1/Cs5g025	4.53	0	0	2	MASCOT	T	
1.01E-01	0|0	Cs5g02540.1/Cs5g025	4.25	0	0	2	MASCOT	T	PLEX8

3.53E-02 0|0	Cs5g02540.1/Cs5g025	6	0	0	2 MASCOT	T	PLEX8	
2.02E-06 0|0	Cs5g02540.1/Cs5g025	4.75	0	0	2 MASCOT	T		
2.90E-01 0|0	Cs5g02540.1/Cs5g025	4.53	0	0	2 MASCOT	T	PLEX8	
8.24E-02 0|0	Cs5g02540.1/Cs5g025	4.53	0	0	2 MASCOT	T	PLEX8	
1.45E-03 0|0	Cs5g02540.1/Cs5g025	4.53	0	0	2 MASCOT	T	PLEX8	
6.13E-02 0|0	Cs5g02540.1/Cs5g025	4.37	0	0	2 MASCOT	T	PLEX8	
1.30E-02 0|0	Cs2g07600.1 ! Cs4g11	8.8	0	0	2 MASCOT	T	PLEX8	
9.26E-02 0|0	Cs2g07600.1 ! Cs4g11	8.8	0	0	2 MASCOT	T	PLEX8	
8.52E-03 0|0	Cs2g07600.1 ! Cs4g11	8.8	0	0	2 MASCOT	T	PLEX8	
2.64E-02 0|0	Cs2g07600.1 ! Cs4g11	8.8	0	0	2 MASCOT	T	PLEX8	
2.72E-02 0|0	Cs2g07600.1 ! Cs4g11	8.8	0	0	2 MASCOT	T	PLEX8	
6.00E-02 0|0	Cs2g07600.1 ! Cs4g11	8.8	0	0	2 MASCOT	T	PLEX8	
2.61E-02 0|0	Cs2g07600.1 ! Cs4g11	8.8	0	0	2 MASCOT	T	PLEX8	
2.61E-02 0|0	Cs2g07600.1 ! Cs4g11	8.8	0	0	2 MASCOT	T	PLEX8	
2.87E-02 0|0	Cs2g07600.1 ! Cs4g11	8.8	0	0	2 MASCOT	T		
1.44E-01 0|0	Cs2g07600.1 ! Cs4g11	8.8	0	0	2 MASCOT	T		
3.02E-01 0|0	Cs2g07600.1 ! Cs4g11	8.8	0	0	2 MASCOT	T		
1.74E-01 0|0	Cs2g07600.1 ! Cs4g11	8.8	0	0	2 MASCOT	T	PLEX8	
1.72E-01 0|0	Cs2g07600.1 ! Cs4g11	8.8	0	0	2 MASCOT	T	PLEX8	
4.26E-02 0|0	Cs2g07600.1 ! Cs4g11	8.8	0	0	2 MASCOT	T	PLEX8	
8.07E-02 0|0	Cs2g07600.1 ! Cs4g11	8.8	0	0	2 MASCOT	T		
1.49E-01 0|0	Cs2g07600.1 ! Cs4g11	8.8	0	0	2 MASCOT	T		
3.64E-02 0|0	Cs2g07600.1 ! Cs4g11	8.8	0	0	2 MASCOT	T		
1.15E-02 0|0	Cs2g07600.1 ! Cs4g11	8.8	0	0	2 MASCOT	T	PLEX8	
2.66E-02 0|0	Cs2g07600.1 ! Cs4g11	8.8	0	0	2 MASCOT	T	PLEX8	
3.44E-02 0|0	Cs4g11090.1	4.03	0	0	2 MASCOT	T	PLEX8	
2.62E-02 0|0	Cs4g11090.1	4.03	0	0	2 MASCOT	T	PLEX8	
7.48E-02 0|0	Cs4g11090.1	4.03	0	0	2 MASCOT	T	PLEX8	
7.09E-02 0|0	Cs4g11090.1	4.03	0	0	2 MASCOT	T	PLEX8	
1.36E-01 0|0	Cs4g11090.1	4.03	0	0	2 MASCOT	T	PLEX8	
1.05E-02 0|0	Cs4g11090.1	4.03	0	0	2 MASCOT	T	PLEX8	
8.14E-02 0|0	Cs4g11090.1	4.03	0	0	2 MASCOT	T	PLEX8	
9.87E-02 0|0	Cs2g07600.1/Cs4g110	8.76	0	15.9	0	2 MASCOT	T	PLEX8
4.47E-01 0|0	Cs2g07600.1/Cs4g110	8.76	0	15.9	0	2 MASCOT	T	PLEX8
7.17E-02 0|0	Cs2g07600.1/Cs4g110	8.76	0	15.9	0	2 MASCOT	T	PLEX8
1.87E-02 0|0	Cs2g07600.1/Cs4g110	8.76	0	15.9	0	2 MASCOT	T	PLEX8
9.29E-02 0|0	Cs2g07600.1/Cs4g110	8.76	0	15.9	0	2 MASCOT	T	PLEX8
1.20E-02 0|0	Cs2g07600.1/Cs4g110	8.76	0	15.9	0	2 MASCOT	T	PLEX8
4.19E-01 0|0	Cs2g07600.1/Cs4g110	8.76	0	15.9	0	2 MASCOT	T	PLEX8
1.10E-02 0|0	Cs2g07600.1/Cs4g110	8.76	0	15.9	0	2 MASCOT	T	PLEX8
7.22E-02 0|0	Cs2g07600.1/Cs4g110	8.76	0	15.9	0	2 MASCOT	T	PLEX8
3.26E-01 0|0	Cs2g07600.1/Cs4g110	8.76	0	15.9	0	2 MASCOT	T	PLEX8
1.28E-01 0|0	Cs2g07600.1/Cs4g110	8.76	0	15.9	0	2 MASCOT	T	PLEX8
2.42E-01 0|0	Cs2g07600.1/Cs4g110	8.76	0	15.9	0	2 MASCOT	T	PLEX8
1.62E-02 0|0	Cs2g07600.1/Cs4g110	8.76	0	15.9	0	2 MASCOT	T	PLEX8
1.44E-01 0|0	Cs2g07600.1/Cs4g110	8.76	0	15.9	0	2 MASCOT	T	PLEX8
5.54E-02 0|0	Cs2g07600.1/Cs4g110	8.76	0	15.9	0	2 MASCOT	T	PLEX8
4.77E-02 0|0	Cs2g07600.1/Cs4g110	8.76	0	15.9	0	2 MASCOT	T	PLEX8
7.26E-02 0|0	Cs2g07600.1/Cs4g110	8.76	0	15.9	0	2 MASCOT	T	PLEX8
3.65E-01 0|0	Cs2g07600.1/Cs4g110	8.76	0	15.9	0	2 MASCOT	T	PLEX8
4.71E-03 0|0	Cs2g07600.1/Cs4g110	8.76	0	15.9	0	2 MASCOT	T	

7.40E-02	0|0	Cs2g07600.1/Cs4g110	8.76	0	0	2	MASCOT	T	PLEX8	
4.06E-01	0|0	Cs2g07600.1/Cs4g110	8.76	0	0	2	MASCOT	T	PLEX8	
1.82E-02	0|0	Cs2g07600.1/Cs4g110	8.76	0	0	2	MASCOT	T	PLEX8	
2.67E-04	0|0	Cs2g07600.1/Cs4g110	8.76	0	0	2	MASCOT	T	PLEX8	
6.21E-03	0|0	Cs2g07600.1/Cs4g110	8.76	0	0	2	MASCOT	T		
1.49E-01	0|0	Cs2g07600.1/Cs4g110	8.76	0	0	2	MASCOT	T		
1.04E-01	0|0	Cs2g07600.1/Cs4g110	8.76	0	0	2	MASCOT	T		
1.09E-03	0|0	Cs2g07600.1/Cs4g110	8.76	0	0	2	MASCOT	T	PLEX8	
3.16E-04	0|0	Cs2g07600.1/Cs4g110	8.76	0	0	2	MASCOT	T	PLEX8	
2.72E-03	0|0	Cs2g07600.1/Cs4g110	8.76	0	0	2	MASCOT	T		
9.18E-03	0|0	Cs2g07600.1/Cs4g110	8.76	0	0	2	MASCOT	T	PLEX8	
2.63E-05	0|0	Cs2g07600.1/Cs4g110	8.76	0	0	2	MASCOT	T		
2.02E-01	0|0	Cs2g07600.1/Cs4g110	8.76	0	0	2	MASCOT	T		
2.53E-01	0|0	Cs2g07600.1/Cs4g110	4.37	0	0	2	MASCOT	T		
2.29E-03	0|0	Cs2g07600.1/Cs4g110	4.37	0	0	2	MASCOT	T	PLEX8	
1.59E-07	0|0	Cs2g07600.1/Cs4g110	4.37	0	0	2	MASCOT	T	PLEX8	
1.61E-03	0|0	Cs2g07600.1/Cs4g110	4.37	0	0	2	MASCOT	T	PLEX8	
8.36E-02	0|0	Cs2g07600.1/Cs4g110	4.37	0	0	2	MASCOT	T		
4.06E-04	0|0	Cs2g07600.1/Cs4g110	4.37	0	0	2	MASCOT	T	PLEX8	
4.20E-03	0|0	Cs2g07600.1/Cs4g110	4.37	0	0	2	MASCOT	T	PLEX8	
5.56E-02	0|0	Cs2g07600.1/Cs4g110	4.37	0	0	2	MASCOT	T		
1.15E-01	0|0	Cs2g07600.1/Cs4g110	4.37	0	0	2	MASCOT	T		
2.55E-01	0|0	Cs2g07600.1/Cs4g110	4.37	0	0	2	MASCOT	T		
7.33E-03	0|0	Cs2g07600.1/Cs4g110	4.37	0	0	2	MASCOT	T	PLEX8	
5.78E-03	0|0	Cs2g07600.1/Cs4g110	4.37	0	0	2	MASCOT	T		
2.96E-02	0|0	Cs2g07600.1/Cs4g110	4.37	0	0	2	MASCOT	T	PLEX8	
1.36E-02	0|0	Cs2g07600.1/Cs4g110	4.37	0	0	2	MASCOT	T		
1.40E-03	0|0	Cs2g07600.1/Cs4g110	4.37	0	0	2	MASCOT	T		
4.50E-02	0|0	Cs4g11090.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
3.86E-01	0|0	Cs4g11090.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
1.91E-02	0|0	Cs4g11090.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
4.92E-02	0|0	Cs4g11090.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
2.98E-02	0|0	Cs4g11090.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
3.76E-01	0|0	Cs4g11090.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
2.20E-03	0|0	Cs4g11090.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
1.21E-01	0|0	Cs4g11090.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
5.16E-02	0|0	Cs4g11090.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
3.32E-01	0|0	Cs4g11090.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
1.09E-02	0|0	Cs4g11090.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
4.99E-02	0|0	Cs4g11090.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
3.00E-01	0|0	Cs4g11090.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
6.91E-02	0|0	Cs4g11090.1	4.53	0	15.9	0	2	MASCOT	T	PLEX8
2.13E-02	0|0	Cs4g11090.1	4.53	0	0	2	MASCOT	T	PLEX8	
3.39E-02	0|0	Cs4g11090.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.82E-01	0|0	Cs4g11090.1	4.53	0	0	2	MASCOT	T	PLEX8	
5.42E-03	0|0	Cs4g11090.1	4.53	0	0	2	MASCOT	T	PLEX8	
2.93E-02	0|0	Cs4g11090.1	4.53	0	0	2	MASCOT	T	PLEX8	
6.67E-02	0|0	Cs4g11090.1	4.53	0	0	2	MASCOT	T		
1.99E-01	0|0	Cs4g11090.1	4.53	0	0	2	MASCOT	T	PLEX8	
4.58E-02	0|0	Cs4g11090.1	4.53	0	0	2	MASCOT	T	PLEX8	
4.62E-02	0|0	Cs4g11090.1	6.71	0	0	2	MASCOT	T	PLEX8	

2.34E-03	0|0	Cs4g11090.1	6.71	0	0	2	MASCOT	T	PLEX8	
4.31E-02	0|0	Cs4g11090.1	6.71	0	0	2	MASCOT	T	PLEX8	
3.91E-02	0|0	Cs4g11090.1	6.71	0	0	2	MASCOT	T	PLEX8	
5.49E-02	0|0	Cs4g11090.1	6.71	0	0	2	MASCOT	T	PLEX8	
3.73E-02	0|0	Cs4g11090.1	6.71	0	0	2	MASCOT	T	PLEX8	
1.99E-01	0|0	Cs4g11090.1	6.71	0	0	2	MASCOT	T	PLEX8	
1.11E-01	0|0	Cs4g11090.1	6.71	0	0	2	MASCOT	T	PLEX8	
1.06E-01	0|0	Cs4g11090.1	6.71	0	0	2	MASCOT	T	PLEX8	
6.89E-03	0|0	Cs4g11090.1	6.71	0	0	2	MASCOT	T	PLEX8	
7.89E-03	0|0	Cs4g11090.1	6.71	0	0	2	MASCOT	T	PLEX8	
4.58E-02	0|0	Cs4g11090.1	6.71	0	0	2	MASCOT	T	PLEX8	
9.97E-02	0|0	Cs4g11090.1	6.71	0	0	2	MASCOT	T	PLEX8	
2.28E-01	0|0	Cs4g11090.1	6.71	0	0	2	MASCOT	T	PLEX8	
4.62E-02	0|0	Cs4g11090.1	6.71	0	0	2	MASCOT	T	PLEX8	
6.44E-02	0|0	Cs4g11090.1	6.71	0	0	2	MASCOT	T	PLEX8	
1.27E-01	0|0	Cs4g11090.1	6.71	0	0	2	MASCOT	T	PLEX8	
1.57E-01	0|0	Cs2g07600.1/Cs4g110	8.5	0	15.9	0	2	MASCOT	T	PLEX8
4.37E-03	0|0	Cs2g07600.1/Cs4g110	8.5	0	15.9	0	2	MASCOT	T	PLEX8
7.16E-03	0|0	Cs2g07600.1/Cs4g110	8.5	0	15.9	0	2	MASCOT	T	PLEX8
1.37E-01	0|0	Cs2g07600.1/Cs4g110	8.5	0	15.9	0	2	MASCOT	T	PLEX8
2.13E-01	0|0	Cs2g07600.1/Cs4g110	8.5	0	15.9	0	2	MASCOT	T	PLEX8
5.15E-03	0|0	Cs2g07600.1/Cs4g110	8.5	0	0	2	MASCOT	T	PLEX8	
2.69E-01	0|0	Cs2g07600.1/Cs4g110	8.5	0	0	2	MASCOT	T	PLEX8	
1.09E-02	0|0	Cs2g07600.1/Cs4g110	8.5	0	0	2	MASCOT	T	PLEX8	
9.78E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0	15.9	0	2	MASCOT	T	PLEX8
6.42E-04	0|0	Cs6g07320.1/Cs8g195	6.05	0	15.9	0	2	MASCOT	T	PLEX8
1.04E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0	15.9	0	2	MASCOT	T	PLEX8
6.83E-03	0|0	Cs6g07320.1/Cs8g195	6.05	0	15.9	0	2	MASCOT	T	PLEX8
7.32E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0	15.9	0	2	MASCOT	T	PLEX8
1.19E-01	0|0	Cs6g07320.1/Cs8g195	6.05	0	15.9	0	2	MASCOT	T	
4.43E-01	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	2	MASCOT	T	PLEX8	
2.14E-04	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	2	MASCOT	T	PLEX8	
1.74E-01	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	2	MASCOT	T	PLEX8	
1.17E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	2	MASCOT	T	PLEX8	
3.31E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	2	MASCOT	T	PLEX8	
8.98E-04	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	2	MASCOT	T	PLEX8	
7.46E-03	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	2	MASCOT	T	PLEX8	
4.89E-05	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	2	MASCOT	T	PLEX8	
2.27E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	2	MASCOT	T	PLEX8	
2.40E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	2	MASCOT	T	PLEX8	
2.20E-04	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	2	MASCOT	T	PLEX8	
2.81E-03	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	2	MASCOT	T	PLEX8	
3.47E-06	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	2	MASCOT	T		
3.21E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	2	MASCOT	T	PLEX8	
3.60E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	2	MASCOT	T	PLEX8	
1.90E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	2	MASCOT	T	PLEX8	
9.12E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	2	MASCOT	T	PLEX8	
7.60E-06	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	2	MASCOT	T	PLEX8	
3.96E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	2	MASCOT	T	PLEX8	
2.74E-04	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	2	MASCOT	T	PLEX8	
6.51E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	2	MASCOT	T	PLEX8	

5.35E-03	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	2	MASCOT	T	PLEX8
2.41E-01	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	2	MASCOT	T	
5.87E-03	0|0	Cs8g18020.1/Cs8g183	4.33	1	0	2	MASCOT	T	PLEX8
1.61E-02	0|0	Cs8g18020.1/Cs8g183	4.33	1	0	2	MASCOT	T	PLEX8
5.66E-03	0|0	Cs8g18020.1/Cs8g183	4.33	1	0	2	MASCOT	T	PLEX8
2.47E-01	0|0	Cs8g18020.1/Cs8g183	6.85	0	0	2	MASCOT	T	PLEX8
2.19E-01	0|0	Cs8g18020.1/Cs8g183	6.85	0	0	2	MASCOT	T	PLEX8
5.37E-02	0|0	Cs8g18020.1/Cs8g183	6.85	0	0	2	MASCOT	T	PLEX8
1.63E-01	0|0	Cs8g18020.1/Cs8g183	6.85	0	0	2	MASCOT	T	PLEX8
1.20E-01	0|0	Cs8g18020.1/Cs8g183	6.85	0	0	2	MASCOT	T	PLEX8
3.60E-01	0|0	Cs8g18020.1/Cs8g183	6.85	0	0	2	MASCOT	T	PLEX8
6.80E-02	0|0	Cs8g18020.1/Cs8g183	6.85	0	0	2	MASCOT	T	PLEX8
4.03E-02	0|0	Cs8g18020.1/Cs8g183	6.85	0	0	2	MASCOT	T	PLEX8
2.35E-01	0|0	Cs8g18020.1/Cs8g183	6.85	0	0	2	MASCOT	T	PLEX8
5.74E-02	0|0	Cs8g18020.1/Cs8g183	4.25	0	0	2	MASCOT	T	PLEX8
1.02E-02	0|0	Cs8g18020.1/Cs8g183	4.25	0	0	2	MASCOT	T	PLEX8
9.10E-02	0|0	Cs8g18020.1/Cs8g183	4.25	0	0	2	MASCOT	T	PLEX8
6.06E-02	0|0	Cs8g18360.1	6.1	0	0	2	MASCOT	T	PLEX8
2.94E-02	0|0	Cs8g18360.1	6.1	0	0	2	MASCOT	T	PLEX8
8.45E-02	0|0	Cs8g18360.1	6.1	0	0	2	MASCOT	T	PLEX8
2.22E-02	0|0	Cs8g18360.1	6.1	0	0	2	MASCOT	T	PLEX8
7.13E-02	0|0	Cs8g18360.1	6.1	0	0	2	MASCOT	T	PLEX8
3.71E-02	0|0	Cs8g18360.1	6.1	0	0	2	MASCOT	T	PLEX8
1.71E-01	0|0	Cs8g18360.1	6.1	0	0	2	MASCOT	T	PLEX8
2.86E-02	0|0	Cs8g18360.1	6.1	0	0	2	MASCOT	T	PLEX8
6.20E-02	0|0	Cs8g18360.1	6	0	0	2	MASCOT	T	PLEX8
9.10E-02	0|0	Cs8g18360.1	6	0	0	2	MASCOT	T	PLEX8
1.08E-01	0|0	Cs8g18360.1	6	0	0	2	MASCOT	T	PLEX8
1.72E-01	0|0	Cs8g18360.1	6	0	0	2	MASCOT	T	PLEX8
2.17E-01	0|0	Cs8g18360.1	6	0	0	2	MASCOT	T	PLEX8
2.62E-01	0|0	Cs8g18360.1	6	0	0	2	MASCOT	T	PLEX8
1.81E-01	0|0	Cs8g18360.1	6	0	0	2	MASCOT	T	PLEX8
5.81E-02	0|0	Cs8g18360.1	6	0	0	2	MASCOT	T	PLEX8
1.80E-01	0|0	Cs8g18360.1	6	0	0	2	MASCOT	T	PLEX8
1.85E-01	0|0	Cs8g18360.1	6	0	0	2	MASCOT	T	PLEX8
1.78E-01	0|0	Cs8g18360.1	6	0	0	2	MASCOT	T	PLEX8
1.39E-01	0|0	Cs8g18020.1 ! Cs8g18	5.84	0	0	2	MASCOT	T	PLEX8
4.02E-01	0|0	Cs5g03050.1/Cs5g030	6.1	0	0	2	MASCOT	T	PLEX8
1.80E-01	0|0	Cs5g03050.1/Cs5g030	6.1	0	0	2	MASCOT	T	PLEX8
2.25E-01	0|0	Cs5g03050.1/Cs5g030	6.1	0	0	2	MASCOT	T	PLEX8
3.28E-01	0|0	Cs5g03050.1/Cs5g030	6.1	0	0	2	MASCOT	T	PLEX8
2.99E-01	0|0	Cs5g03050.1/Cs5g030	6.1	0	0	2	MASCOT	T	PLEX8
2.86E-03	0|0	Cs5g03050.1/Cs5g030	6.1	0	0	2	MASCOT	T	PLEX8
6.28E-03	0|0	Cs5g03050.1/Cs5g030	6.1	0	0	2	MASCOT	T	PLEX8
1.18E-01	0|0	Cs5g03050.1/Cs5g030	6.1	0	0	2	MASCOT	T	PLEX8
7.90E-02	0|0	Cs5g03050.1/Cs5g030	6.1	0	0	2	MASCOT	T	PLEX8
2.83E-01	0|0	Cs5g03050.1/Cs5g030	6.1	0	0	2	MASCOT	T	
3.77E-01	0|0	Cs5g03050.1/Cs5g030	8.75	0	0	2	MASCOT	T	PLEX8
7.95E-02	0|0	Cs5g03050.1/Cs5g030	8.75	0	0	2	MASCOT	T	PLEX8
1.03E-01	0|0	Cs5g03050.1/Cs5g030	8.75	0	0	2	MASCOT	T	PLEX8
4.18E-01	0|0	Cs5g03050.1/Cs5g030	8.75	0	0	2	MASCOT	T	PLEX8

9.82E-02	0|0	Cs5g03050.1/Cs5g030	8.75	0	0	2	MASCOT	T	PLEX8	
4.21E-01	0|0	Cs5g03050.1/Cs5g030	8.75	0	0	2	MASCOT	T	PLEX8	
1.66E-01	0|0	Cs5g03050.1/Cs5g030	8.75	0	0	2	MASCOT	T	PLEX8	
4.44E-02	0|0	Cs5g03050.1/Cs5g030	8.75	0	0	2	MASCOT	T	PLEX8	
1.08E-01	0|0	Cs5g03050.1	4.37	0	0	2	MASCOT	T	PLEX8	
7.56E-03	0|0	Cs5g03050.1	4.37	0	0	2	MASCOT	T	PLEX8	
8.13E-03	0|0	Cs5g03050.1/Cs5g030	5.4	0	0	2	MASCOT	T	PLEX8	
1.06E-02	0|0	Cs5g03050.1/Cs5g030	5.4	0	0	2	MASCOT	T	PLEX8	
6.71E-04	0|0	Cs5g03050.1/Cs5g030	5.4	0	0	2	MASCOT	T	PLEX8	
3.97E-02	0|0	Cs5g03050.1/Cs5g030	5.4	0	0	2	MASCOT	T		
1.03E-01	0|0	Cs5g03050.1/Cs5g030	5.4	0	0	2	MASCOT	T	PLEX8	
8.80E-06	0|0	Cs5g03050.1/Cs5g030	5.4	0	0	2	MASCOT	T	PLEX8	
4.86E-03	0|0	Cs5g03050.1/Cs5g030	5.4	0	0	2	MASCOT	T	PLEX8	
1.19E-03	0|0	Cs5g03050.1/Cs5g030	5.4	0	0	2	MASCOT	T		
1.18E-02	0|0	Cs5g03050.1/Cs5g030	5.4	0	0	2	MASCOT	T		
3.70E-04	0|0	Cs5g03050.1/Cs5g030	5.4	0	0	2	MASCOT	T		
3.74E-03	0|0	Cs5g03050.1/Cs5g030	5.4	0	0	2	MASCOT	T	PLEX8	
2.76E-04	0|0	Cs5g03050.1/Cs5g030	5.4	0	0	2	MASCOT	T		
3.09E-02	0|0	Cs5g03050.1/Cs5g030	5.4	0	0	2	MASCOT	T		
8.00E-05	0|0	Cs5g03050.1/Cs5g030	5.4	0	0	2	MASCOT	T		
8.92E-02	0|0	Cs5g03050.1/Cs5g030	5.4	0	0	2	MASCOT	T		
1.08E-04	0|0	Cs5g03050.1/Cs5g030	5.4	0	0	2	MASCOT	T		
4.96E-03	0|0	Cs5g03050.1/Cs5g030	5.4	0	0	2	MASCOT	T		
1.56E-01	0|0	Cs5g03050.1/Cs5g030	5.4	0	0	2	MASCOT	T		
2.81E-01	0|0	Cs5g03050.1	8.49	0	15.9	0	2	MASCOT	T	PLEX8
3.62E-01	0|0	Cs5g03050.1	8.49	0	0	2	MASCOT	T	PLEX8	
1.19E-01	0|0	Cs5g03050.1	4.37	0	0	2	MASCOT	T	PLEX8	
6.75E-05	0|0	Cs5g03050.1	4.37	0	0	2	MASCOT	T		
1.25E-04	0|0	Cs5g03050.1	4.37	0	0	2	MASCOT	T		
2.14E-02	0|0	Cs5g03050.1	4.37	0	0	2	MASCOT	T		
1.58E-03	0|0	Cs5g03050.1	4.37	0	0	2	MASCOT	T		
2.98E-02	0|0	Cs5g03050.1/Cs5g030	6.89	0	0	2	MASCOT	T	PLEX8	
1.03E-03	0|0	Cs5g03050.1/Cs5g030	6.89	0	0	2	MASCOT	T	PLEX8	
1.08E-02	0|0	Cs5g03050.1/Cs5g030	6.89	0	0	2	MASCOT	T	PLEX8	
1.89E-02	0|0	Cs5g03050.1/Cs5g030	6.89	0	0	2	MASCOT	T	PLEX8	
8.51E-04	0|0	Cs5g03050.1/Cs5g030	6.89	0	0	2	MASCOT	T	PLEX8	
2.27E-02	0|0	Cs5g03050.1/Cs5g030	6.89	0	0	2	MASCOT	T	PLEX8	
1.76E-02	0|0	Cs5g03050.1/Cs5g030	6.89	0	0	2	MASCOT	T	PLEX8	
7.06E-02	0|0	Cs5g03050.1/Cs5g030	6.89	0	0	2	MASCOT	T		
3.36E-02	0|0	Cs5g03050.1/Cs5g030	6.89	0	0	2	MASCOT	T		
1.50E-02	0|0	Cs5g03050.1/Cs5g030	6.89	0	0	2	MASCOT	T		
4.26E-02	0|0	Cs3g10480.1	4.37	0	0	2	MASCOT	T	PLEX8	
8.01E-02	0|0	Cs3g10480.1	4.37	0	0	2	MASCOT	T	PLEX8	
3.55E-02	0|0	Cs3g10480.1	4.37	0	0	2	MASCOT	T	PLEX8	
3.03E-04	0|0	Cs3g10480.1	4.37	0	0	2	MASCOT	T	PLEX8	
3.13E-02	0|0	Cs3g10480.1	4.37	0	0	2	MASCOT	T	PLEX8	
3.46E-01	0|0	Cs3g10480.1	4.37	0	0	2	MASCOT	T	PLEX8	
2.45E-04	0|0	Cs3g10480.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.60E-01	0|0	Cs3g10480.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.44E-02	0|0	Cs3g10480.1	4.37	0	0	2	MASCOT	T		
7.58E-03	0|0	Cs3g10480.1	8.75	0	0	2	MASCOT	T	PLEX8	

2.33E-02 0|0	Cs3g10480.1	8.75	0	0	2 MASCOT	T	PLEX8
7.04E-02 0|0	Cs3g10480.1	8.75	0	0	2 MASCOT	T	PLEX8
2.54E-01 0|0	Cs3g10480.1	8.75	0	0	2 MASCOT	T	PLEX8
9.72E-03 0|0	Cs3g10480.1	8.75	0	0	2 MASCOT	T	PLEX8
6.77E-03 0|0	Cs3g10480.1	8.75	0	0	2 MASCOT	T	PLEX8
3.99E-02 0|0	Cs3g10480.1	8.75	0	0	2 MASCOT	T	PLEX8
3.97E-02 0|0	Cs3g10480.1	8.75	0	0	2 MASCOT	T	PLEX8
5.09E-01 0|0	Cs3g10480.1	8.75	0	0	2 MASCOT	T	
2.63E-01 0|0	Cs3g10480.1	5.75	0	0	2 MASCOT	T	PLEX8
2.42E-02 0|0	Cs3g10480.1	4.37	0	0	2 MASCOT	T	PLEX8
5.45E-03 0|0	Cs3g10480.1	4.37	0	0	2 MASCOT	T	PLEX8
1.37E-03 0|0	Cs3g10480.1	4.37	0	0	2 MASCOT	T	PLEX8
1.40E-03 0|0	Cs3g10480.1	4.37	0	0	2 MASCOT	T	PLEX8
1.58E-01 0|0	Cs3g10480.1	4.37	0	0	2 MASCOT	T	PLEX8
1.26E-02 0|0	Cs3g10480.1	4.37	0	0	2 MASCOT	T	PLEX8
6.93E-05 0|0	Cs3g10480.1	4.37	0	0	2 MASCOT	T	PLEX8
1.69E-04 0|0	Cs3g10480.1	4.37	0	0	2 MASCOT	T	PLEX8
1.26E-01 0|0	Cs3g10480.1	4.37	0	0	2 MASCOT	T	PLEX8
3.68E-01 0|0	Cs3g10480.1	4.37	0	0	2 MASCOT	T	
6.35E-02 0|0	Cs3g10480.1	4.37	0	0	2 MASCOT	T	
1.33E-01 0|0	Cs3g10480.1	5.84	0	0	2 MASCOT	T	PLEX8
2.28E-01 0|0	Cs3g10480.1	5.84	0	0	2 MASCOT	T	PLEX8
7.61E-02 0|0	Cs3g10480.1	5.84	0	0	2 MASCOT	T	PLEX8
8.86E-02 0|0	Cs3g10480.1	5.84	0	0	2 MASCOT	T	PLEX8
1.30E-01 0|0	Cs3g10480.1	5.84	0	0	2 MASCOT	T	PLEX8
2.32E-01 0|0	Cs3g10480.1	5.84	0	0	2 MASCOT	T	PLEX8
8.57E-02 0|0	Cs3g10480.1	5.84	0	0	2 MASCOT	T	PLEX8
2.70E-01 0|0	Cs3g10480.1	5.84	0	0	2 MASCOT	T	
6.07E-02 0|0	Cs3g10480.1	4.53	0	0	2 MASCOT	T	PLEX8
1.84E-02 0|0	Cs3g10480.1	4.53	0	0	2 MASCOT	T	PLEX8
1.86E-02 0|0	Cs3g10480.1	4.53	0	0	2 MASCOT	T	PLEX8
6.95E-02 0|0	Cs3g10480.1	4.53	0	0	2 MASCOT	T	PLEX8
1.93E-01 0|0	Cs3g10480.1	4.53	0	0	2 MASCOT	T	PLEX8
2.90E-01 0|0	Cs3g10480.1	4.53	0	0	2 MASCOT	T	PLEX8
1.76E-01 0|0	Cs5g03830.1/Cs5g038	4.37	0	0	2 MASCOT	T	PLEX8
2.44E-01 0|0	Cs5g03830.1/Cs5g038	4.37	0	0	2 MASCOT	T	PLEX8
2.34E-01 0|0	Cs5g03830.1/Cs5g038	4.37	0	0	2 MASCOT	T	PLEX8
9.29E-02 0|0	Cs5g03830.1/Cs5g038	4.37	0	0	2 MASCOT	T	PLEX8
2.76E-01 0|0	Cs5g03830.1/Cs5g038	4.37	0	0	2 MASCOT	T	PLEX8
1.52E-01 0|0	Cs5g03830.1/Cs5g038	4.37	0	0	2 MASCOT	T	PLEX8
3.53E-01 0|0	Cs5g03830.1/Cs5g038	4.37	0	0	2 MASCOT	T	PLEX8
8.43E-02 0|0	Cs5g03830.1/Cs5g038	4.37	0	0	2 MASCOT	T	PLEX8
2.38E-01 0|0	Cs5g03830.1/Cs5g038	4.37	0	0	2 MASCOT	T	PLEX8
4.34E-01 0|0	Cs5g03830.1/Cs5g038	4.37	0	0	2 MASCOT	T	PLEX8
2.61E-01 0|0	Cs5g03830.1/Cs5g038	4.37	0	0	2 MASCOT	T	PLEX8
2.48E-01 0|0	Cs5g03830.1/Cs5g038	4.37	0	0	2 MASCOT	T	PLEX8
6.38E-02 0|0	Cs5g03830.1/Cs5g038	4.37	0	0	2 MASCOT	T	PLEX8
2.94E-01 0|0	Cs7g06520.1/Cs7g065	5.84	0	0	2 MASCOT	T	PLEX8
3.73E-01 0|0	orange1.1t03689.1 ! C:	5.55	0	0	2 MASCOT	T	PLEX8
1.42E-02 0|0	orange1.1t03689.1 ! C:	5.55	0	0	2 MASCOT	T	PLEX8
1.55E-01 0|0	orange1.1t03689.1 ! C:	5.55	0	0	2 MASCOT	T	PLEX8

1.72E-01	0|0	orange1.1t03689.1 ! C:	5.55	0	0	2	MASCOT	T	PLEX8
7.48E-02	0|0	orange1.1t03689.1 ! C:	5.55	0	0	2	MASCOT	T	PLEX8
1.61E-02	0|0	orange1.1t03689.1 ! C:	5.55	0	0	2	MASCOT	T	PLEX8
1.58E-01	0|0	orange1.1t03689.1 ! C:	5.55	0	0	2	MASCOT	T	PLEX8
2.10E-01	0|0	orange1.1t03689.1 ! C:	5.55	0	0	2	MASCOT	T	
2.53E-01	0|0	Cs7g06520.1	5.55	0	0	2	MASCOT	T	PLEX8
5.45E-02	0|0	Cs7g06520.1	5.55	0	0	2	MASCOT	T	PLEX8
2.42E-05	0|0	Cs7g06520.1	5.55	0	0	2	MASCOT	T	PLEX8
1.45E-03	0|0	Cs7g06520.1	5.55	0	0	2	MASCOT	T	PLEX8
5.54E-03	0|0	Cs7g06520.1	5.55	0	0	2	MASCOT	T	PLEX8
3.86E-03	0|0	Cs7g06520.1	5.55	0	0	2	MASCOT	T	PLEX8
9.69E-02	0|0	Cs7g06520.1	5.55	0	0	2	MASCOT	T	PLEX8
1.18E-03	0|0	Cs7g06520.1	5.55	0	0	2	MASCOT	T	PLEX8
5.65E-02	0|0	Cs7g06520.1	5.55	0	0	2	MASCOT	T	PLEX8
1.63E-01	0|0	Cs7g06520.1	5.55	0	0	2	MASCOT	T	PLEX8
1.32E-01	0|0	Cs7g06520.1	5.55	0	0	2	MASCOT	T	PLEX8
6.41E-03	0|0	Cs7g06520.1	5.55	0	0	2	MASCOT	T	
4.05E-03	0|0	Cs7g06520.1	5.81	0	0	2	MASCOT	T	PLEX8
4.72E-04	0|0	Cs7g06520.1	5.81	0	0	2	MASCOT	T	PLEX8
5.86E-03	0|0	Cs7g06520.1	5.81	0	0	2	MASCOT	T	
1.12E-02	0|0	Cs7g06520.1/Cs7g065	5.4	0	0	2	MASCOT	T	PLEX8
4.53E-03	0|0	Cs7g06520.1/Cs7g065	5.4	0	0	2	MASCOT	T	PLEX8
8.98E-03	0|0	Cs7g06520.1/Cs7g065	5.4	0	0	2	MASCOT	T	PLEX8
2.30E-01	0|0	Cs7g06520.1/Cs7g065	5.4	0	0	2	MASCOT	T	PLEX8
2.34E-01	0|0	Cs7g06520.1	6	0	0	2	MASCOT	T	PLEX8
1.18E-03	0|0	Cs7g06520.1	6	0	0	2	MASCOT	T	PLEX8
1.41E-01	0|0	Cs7g06520.1	6	0	0	2	MASCOT	T	PLEX8
1.01E-03	0|0	orange1.1t02542.1	6.05	0	0	2	MASCOT	T	PLEX8
6.74E-02	0|0	orange1.1t02542.1	4.41	0	0	2	MASCOT	T	PLEX8
7.84E-03	0|0	orange1.1t02542.1	4.41	0	0	2	MASCOT	T	PLEX8
4.96E-02	0|0	orange1.1t02542.1	4.41	0	0	2	MASCOT	T	PLEX8
2.14E-02	0|0	orange1.1t02542.1	4.41	0	0	2	MASCOT	T	PLEX8
8.41E-03	0|0	orange1.1t02542.1	4.41	0	0	2	MASCOT	T	
7.98E-04	0|0	orange1.1t02542.1	4.41	0	0	2	MASCOT	T	
1.11E-01	0|0	orange1.1t02542.1	4.41	0	0	2	MASCOT	T	
7.45E-03	0|0	orange1.1t02542.1	4.41	0	0	2	MASCOT	T	
6.98E-03	0|0	orange1.1t02542.1	4.14	0	0	2	MASCOT	T	
5.78E-04	0|0	orange1.1t02542.1	4.14	0	0	2	MASCOT	T	
2.41E-05	0|0	orange1.1t02542.1	3.92	0	0	2	MASCOT	T	
3.54E-03	0|0	orange1.1t02542.1	8.47	0	0	2	MASCOT	T	PLEX8
1.44E-05	0|0	orange1.1t02542.1	8.47	0	0	2	MASCOT	T	PLEX8
3.00E-05	0|0	orange1.1t02542.1	8.47	0	0	2	MASCOT	T	PLEX8
5.16E-02	0|0	orange1.1t02542.1	8.47	0	0	2	MASCOT	T	PLEX8
3.01E-05	0|0	orange1.1t02542.1	8.47	0	0	2	MASCOT	T	PLEX8
7.81E-03	0|0	orange1.1t02542.1	8.47	0	0	2	MASCOT	T	PLEX8
1.08E-03	0|0	orange1.1t02542.1	8.47	0	0	2	MASCOT	T	PLEX8
3.51E-05	0|0	orange1.1t02542.1	8.47	0	0	2	MASCOT	T	PLEX8
3.12E-04	0|0	orange1.1t02542.1	8.47	0	0	2	MASCOT	T	PLEX8
2.13E-01	0|0	orange1.1t02542.1	8.47	0	0	2	MASCOT	T	PLEX8
7.52E-04	0|0	orange1.1t02542.1	8.47	0	0	2	MASCOT	T	PLEX8
2.18E-05	0|0	orange1.1t02542.1	8.47	0	0	2	MASCOT	T	PLEX8

3.65E-05	0|0	orange1.1t02542.1	8.47	0	0	2	MASCOT	T	PLEX8	
2.53E-03	0|0	orange1.1t02542.1	8.47	0	0	2	MASCOT	T	PLEX8	
9.59E-02	0|0	orange1.1t02542.1	8.47	0	0	2	MASCOT	T	PLEX8	
7.51E-02	0|0	orange1.1t02542.1	8.47	0	0	2	MASCOT	T	PLEX8	
1.66E-01	0|0	orange1.1t02542.1	8.47	0	0	2	MASCOT	T	PLEX8	
4.66E-04	0|0	orange1.1t02542.1	8.47	0	0	2	MASCOT	T	PLEX8	
4.30E-03	0|0	orange1.1t02542.1	8.47	0	0	2	MASCOT	T	PLEX8	
1.34E-01	0|0	orange1.1t02542.1	5.32	0	0	2	MASCOT	T		
8.64E-02	0|0	orange1.1t02542.1	5.32	0	0	2	MASCOT	T		
2.08E-03	0|0	orange1.1t02542.1	5.32	0	0	2	MASCOT	T		
9.72E-02	0|0	orange1.1t02542.1	5.32	0	0	2	MASCOT	T		
1.41E-03	0|0	orange1.1t02542.1	5.32	0	0	2	MASCOT	T	PLEX8	
3.33E-01	0|0	orange1.1t02542.1	5.84	0	0	2	MASCOT	T	PLEX8	
9.99E-03	0|0	orange1.1t02542.1	5.84	0	0	2	MASCOT	T	PLEX8	
1.18E-01	0|0	orange1.1t02542.1	5.84	0	0	2	MASCOT	T	PLEX8	
4.04E-02	0|0	orange1.1t02542.1	5.84	0	0	2	MASCOT	T		
3.74E-01	0|0	orange1.1t02542.1	5.84	0	0	2	MASCOT	T		
5.07E-02	0|0	orange1.1t02542.1	5.84	0	0	2	MASCOT	T		
1.98E-02	0|0	orange1.1t02542.1	5.84	0	0	2	MASCOT	T	PLEX8	
4.26E-02	0|0	orange1.1t02542.1	5.84	0	0	2	MASCOT	T		
9.53E-05	0|0	Cs4g01600.1	4.37	0	0	2	MASCOT	T	PLEX8	
9.81E-04	0|0	Cs4g01600.1	4.37	0	0	2	MASCOT	T	PLEX8	
2.97E-03	0|0	Cs4g01600.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.16E-04	0|0	Cs4g01600.1	4.37	0	0	2	MASCOT	T	PLEX8	
6.98E-02	0|0	Cs4g01600.1	4.53	0	0	2	MASCOT	T	PLEX8	
2.04E-01	0|0	Cs4g01600.1	5.32	0	0	2	MASCOT	T	PLEX8	
3.94E-02	0|0	Cs4g01600.1	5.32	0	0	2	MASCOT	T	PLEX8	
1.25E-04	0|0	Cs4g01600.1	5.32	0	0	2	MASCOT	T	PLEX8	
1.15E-02	0|0	Cs4g01600.1	5.32	0	0	2	MASCOT	T	PLEX8	
2.87E-02	0|0	Cs4g01600.1	5.32	0	0	2	MASCOT	T	PLEX8	
1.62E-03	0|0	Cs4g01600.1	5.32	0	0	2	MASCOT	T	PLEX8	
7.72E-03	0|0	Cs4g01600.1	5.32	0	0	2	MASCOT	T	PLEX8	
2.65E-02	0|0	Cs4g01600.1	5.32	0	0	2	MASCOT	T	PLEX8	
1.49E-04	0|0	Cs4g01600.1	5.32	0	0	2	MASCOT	T	PLEX8	
1.29E-02	0|0	Cs4g01600.1	5.32	0	0	2	MASCOT	T	PLEX8	
6.91E-02	0|0	Cs4g01600.1	5.32	0	0	2	MASCOT	T		
2.52E-02	0|0	Cs4g01600.1	5.32	0	0	2	MASCOT	T	PLEX8	
4.36E-05	0|0	Cs4g01600.1	5.32	0	0	2	MASCOT	T	PLEX8	
2.29E-05	0|0	Cs4g01600.1	5.32	0	0	2	MASCOT	T	PLEX8	
3.95E-04	0|0	Cs4g01600.1	5.32	0	0	2	MASCOT	T		
5.88E-02	0|0	Cs4g01600.1	4.4	0	15.9	0	2	MASCOT	T	PLEX8
2.42E-01	0|0	Cs4g01600.1	4.4	0	15.9	0	2	MASCOT	T	PLEX8
3.01E-01	0|0	Cs4g01600.1	4.4	0	15.9	0	2	MASCOT	T	PLEX8
2.13E-02	0|0	Cs4g01600.1	4.4	0	15.9	0	2	MASCOT	T	PLEX8
2.86E-03	0|0	Cs4g01600.1	4.4	0	0	2	MASCOT	T	PLEX8	
1.30E-01	0|0	Cs4g01600.1	4.4	0	0	2	MASCOT	T	PLEX8	
5.37E-04	0|0	Cs4g01600.1	4.4	0	0	2	MASCOT	T	PLEX8	
1.81E-03	0|0	Cs4g01600.1	4.4	0	0	2	MASCOT	T	PLEX8	
1.87E-03	0|0	Cs4g01600.1	4.4	0	0	2	MASCOT	T	PLEX8	
8.67E-04	0|0	Cs4g01600.1	4.4	0	0	2	MASCOT	T	PLEX8	
2.65E-01	0|0	Cs4g01600.1	6	0	0	2	MASCOT	T	PLEX8	

1.41E-01	0|0	Cs4g01600.1	6	0	0	2	MASCOT	T	PLEX8
5.81E-02	0|0	Cs4g01600.1	6	0	0	2	MASCOT	T	PLEX8
1.84E-02	0|0	Cs4g01600.1	6	0	0	2	MASCOT	T	PLEX8
3.05E-05	0|0	Cs4g01600.1	6	0	0	2	MASCOT	T	PLEX8
5.42E-03	0|0	Cs4g01600.1	6	0	0	2	MASCOT	T	PLEX8
2.08E-03	0|0	Cs4g01600.1	6	0	0	2	MASCOT	T	PLEX8
6.62E-02	0|0	Cs4g01600.1	6	0	0	2	MASCOT	T	
9.30E-02	0|0	Cs4g01600.1	4.37	0	0	2	MASCOT	T	PLEX8
1.81E-01	0|0	Cs4g01600.1	4.37	0	0	2	MASCOT	T	PLEX8
3.31E-02	0|0	Cs4g01600.1	6	0	0	2	MASCOT	T	PLEX8
7.31E-03	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	PLEX8
4.80E-03	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	PLEX8
3.22E-04	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	PLEX8
1.19E-03	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	PLEX8
2.35E-03	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	PLEX8
2.57E-04	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	PLEX8
1.20E-03	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	PLEX8
2.44E-05	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	PLEX8
3.25E-04	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	
6.28E-06	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	PLEX8
2.48E-03	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	
2.90E-05	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	
1.03E-03	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	
2.82E-03	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	
1.54E-03	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	
1.12E-04	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	
7.95E-04	0|0	Cs6g05890.1/Cs7g289	4.22	0	0	2	MASCOT	T	
1.12E-01	0|0	Cs6g05890.1/Cs7g289	4.53	0	0	2	MASCOT	T	PLEX8
8.98E-03	0|0	orange1.1t04990.1	4.53	0	0	2	MASCOT	T	PLEX8
1.11E-01	0|0	Cs6g05890.1/Cs7g289	4.53	0	0	2	MASCOT	T	PLEX8
1.48E-01	0|0	Cs6g05890.1/Cs7g289	4.53	0	0	2	MASCOT	T	PLEX8
2.10E-02	0|0	Cs6g05890.1/Cs7g289	4.53	0	0	2	MASCOT	T	PLEX8
6.37E-02	0|0	Cs6g05890.1/Cs7g289	4.53	0	0	2	MASCOT	T	PLEX8
1.17E-01	0|0	Cs6g05890.1/Cs7g289	4.53	0	0	2	MASCOT	T	PLEX8
7.03E-03	0|0	Cs6g05890.1/Cs7g289	4.53	0	0	2	MASCOT	T	PLEX8
5.02E-02	0|0	Cs6g05890.1/Cs7g289	5.84	0	0	2	MASCOT	T	PLEX8
2.46E-02	0|0	Cs6g05890.1/Cs7g289	5.84	0	0	2	MASCOT	T	PLEX8
9.87E-03	0|0	Cs6g05890.1/Cs7g289	5.84	0	0	2	MASCOT	T	
1.01E-01	0|0	Cs6g05890.1/Cs7g289	5.84	0	0	2	MASCOT	T	
9.58E-04	0|0	Cs6g05890.1/Cs7g289	5.84	0	0	2	MASCOT	T	PLEX8
5.56E-03	0|0	Cs6g05890.1/Cs7g289	5.84	0	0	2	MASCOT	T	PLEX8
5.62E-04	0|0	orange1.1t04990.1	6.46	0	0	2	MASCOT	T	PLEX8
3.74E-04	0|0	orange1.1t04990.1	6.46	0	0	2	MASCOT	T	PLEX8
4.92E-03	0|0	orange1.1t04990.1	6.46	0	0	2	MASCOT	T	PLEX8
1.13E-03	0|0	orange1.1t04990.1	6.46	0	0	2	MASCOT	T	PLEX8
1.69E-02	0|0	orange1.1t04990.1	6.46	0	0	2	MASCOT	T	PLEX8
6.81E-03	0|0	orange1.1t04990.1	6.46	0	0	2	MASCOT	T	PLEX8
2.41E-03	0|0	Cs6g05890.1/Cs7g289	4.14	0	15.9	0	2	MASCOT	T
1.31E-03	0|0	Cs6g05890.1/Cs7g289	4.14	0	15.9	0	2	MASCOT	T
4.30E-05	0|0	Cs6g05890.1/Cs7g289	4.14	0	15.9	0	2	MASCOT	T
1.86E-02	0|0	Cs6g21770.1/Cs6g217	4.03	0	0	2	MASCOT	T	PLEX8

2.49E-06	0|0	Cs6g21770.1/Cs6g217	4.03	0	0	2	MASCOT	T	PLEX8	
3.06E-06	0|0	Cs6g21770.1/Cs6g217	4.03	0	0	2	MASCOT	T	PLEX8	
2.46E-06	0|0	Cs6g21770.1/Cs6g217	4.03	0	0	2	MASCOT	T	PLEX8	
1.02E-02	0|0	Cs6g21770.1/Cs6g217	4.03	0	0	2	MASCOT	T	PLEX8	
4.96E-05	0|0	Cs6g21770.1/Cs6g217	4.03	0	0	2	MASCOT	T	PLEX8	
9.45E-02	0|0	Cs6g21770.1/Cs6g217	4.03	0	0	2	MASCOT	T	PLEX8	
7.60E-06	0|0	Cs6g21770.1/Cs6g217	4.03	0	0	2	MASCOT	T	PLEX8	
1.63E-02	0|0	Cs6g21770.1/Cs6g217	4.03	0	0	2	MASCOT	T	PLEX8	
6.96E-04	0|0	Cs6g21770.1/Cs6g217	4.03	0	0	2	MASCOT	T	PLEX8	
3.06E-03	0|0	Cs6g21770.1/Cs6g217	4.03	0	0	2	MASCOT	T	PLEX8	
3.90E-05	0|0	Cs6g21770.1/Cs6g217	4.03	0	0	2	MASCOT	T	PLEX8	
4.10E-04	0|0	Cs6g21770.1/Cs6g217	4.03	0	0	2	MASCOT	T	PLEX8	
6.79E-02	0|0	Cs5g11720.1/Cs5g117	5.84	0	0	2	MASCOT	T	PLEX8	
3.38E-03	0|0	Cs5g11720.1/Cs5g117	5.84	0	0	2	MASCOT	T		
9.72E-02	0|0	Cs5g11720.1/Cs5g117	5.84	0	0	2	MASCOT	T		
3.54E-01	0|0	Cs7g06240.1/Cs7g062	5.32	0	0	2	MASCOT	T	PLEX8	
6.12E-02	0|0	Cs7g06240.1/Cs7g062	6	0	0	2	MASCOT	T	PLEX8	
1.02E-03	0|0	Cs7g06240.1/Cs7g062	6	0	0	2	MASCOT	T	PLEX8	
6.15E-04	0|0	Cs7g06240.1/Cs7g062	6	0	0	2	MASCOT	T	PLEX8	
4.25E-03	0|0	Cs7g06240.1/Cs7g062	6	0	0	2	MASCOT	T	PLEX8	
4.20E-03	0|0	Cs7g06240.1/Cs7g062	6	0	0	2	MASCOT	T	PLEX8	
1.28E-01	0|0	Cs7g06240.1/Cs7g062	6	0	0	2	MASCOT	T		
6.49E-04	0|0	Cs7g06240.1/Cs7g062	6	0	0	2	MASCOT	T	PLEX8	
3.03E-01	0|0	Cs7g06240.1/Cs7g062	6	0	0	2	MASCOT	T		
1.05E-05	0|0	Cs7g06240.1/Cs7g062	6	0	0	2	MASCOT	T	PLEX8	
6.25E-05	0|0	Cs7g06240.1/Cs7g062	6	0	0	2	MASCOT	T	PLEX8	
7.74E-02	0|0	Cs7g06240.1/Cs7g062	6	0	0	2	MASCOT	T	PLEX8	
3.54E-02	0|0	Cs7g06240.1/Cs7g062	6	0	0	2	MASCOT	T	PLEX8	
6.61E-03	0|0	Cs7g06240.1/Cs7g062	6	0	0	2	MASCOT	T		
4.16E-03	0|0	Cs7g06240.1/Cs7g062	5.66	0	0	2	MASCOT	T	PLEX8	
2.73E-01	0|0	Cs7g06240.1/Cs7g062	5.66	0	0	2	MASCOT	T	PLEX8	
1.81E-01	0|0	Cs6g21770.1/Cs6g217	8.25	0	0	2	MASCOT	T	PLEX8	
6.70E-02	0|0	Cs2g14410.1/Cs2g144	4.14	0	15.9	0	2	MASCOT	T	PLEX8
6.40E-04	0|0	Cs2g14410.1/Cs2g144	4.14	0	0	2	MASCOT	T	PLEX8	
5.38E-02	0|0	Cs2g14410.1/Cs2g144	4.14	0	0	2	MASCOT	T	PLEX8	
7.92E-03	0|0	Cs2g14410.1/Cs2g144	4.14	0	0	2	MASCOT	T	PLEX8	
1.03E-03	0|0	Cs6g14330.1	4.23	1	15.9	0	2	MASCOT	T	PLEX8
1.63E-02	0|0	Cs6g14330.1	4.23	1	0	2	MASCOT	T	PLEX8	
1.40E-04	0|0	Cs6g14330.1	4.23	1	0	2	MASCOT	T		
2.02E-01	0|0	Cs2g03510.1/Cs2g035	4.53	0	0	2	MASCOT	T	PLEX8	
3.47E-02	0|0	Cs2g03510.1/Cs2g035	4.53	0	0	2	MASCOT	T		
3.22E-05	0|0	Cs2g03510.1/Cs2g035	4.53	0	0	2	MASCOT	T		
1.70E-01	0|0	Cs4g11150.1/Cs4g111	4.37	0	0	2	MASCOT	T	PLEX8	
3.50E-02	0|0	Cs4g11150.1/Cs4g111	4.37	0	0	2	MASCOT	T	PLEX8	
1.29E-01	0|0	Cs4g11150.1/Cs4g111	4.37	0	0	2	MASCOT	T	PLEX8	
1.89E-01	0|0	Cs4g11150.1/Cs4g111	4.37	0	0	2	MASCOT	T		
7.91E-02	0|0	Cs4g11150.1/Cs4g111	4.37	0	0	2	MASCOT	T		
7.54E-02	0|0	Cs4g11150.1/Cs4g111	4.37	0	0	2	MASCOT	T		
1.76E-02	0|0	Cs2g03510.1/Cs2g035	6.85	0	0	2	MASCOT	T	PLEX8	
4.95E-03	0|0	Cs2g03510.1/Cs2g035	6.85	0	0	2	MASCOT	T	PLEX8	
5.66E-02	0|0	Cs2g03510.1/Cs2g035	6.85	0	0	2	MASCOT	T	PLEX8	

5.84E-02	0|0	Cs1g22440.1/Cs4g111	6.85	0	0	2	MASCOT	T	PLEX8
1.20E-02	0|0	Cs1g22440.1/Cs4g111	6.85	0	0	2	MASCOT	T	PLEX8
2.50E-03	0|0	Cs1g22440.1/Cs4g111	6.85	0	0	2	MASCOT	T	PLEX8
4.87E-02	0|0	Cs1g22440.1/Cs4g111	6.85	0	0	2	MASCOT	T	PLEX8
2.71E-03	0|0	Cs1g22440.1/Cs4g111	6.85	0	0	2	MASCOT	T	PLEX8
4.18E-02	0|0	Cs1g22440.1/Cs4g111	6.85	0	0	2	MASCOT	T	PLEX8
1.02E-02	0|0	Cs1g22440.1/Cs4g111	6.85	0	0	2	MASCOT	T	PLEX8
2.35E-02	0|0	Cs1g22440.1/Cs4g111	6.85	0	0	2	MASCOT	T	PLEX8
2.60E-01	0|0	Cs1g22440.1/Cs4g111	6.85	0	0	2	MASCOT	T	PLEX8
4.88E-03	0|0	Cs1g22440.1/Cs4g111	6.85	0	0	2	MASCOT	T	PLEX8
1.22E-01	0|0	Cs2g03510.1/Cs2g035	9.41	0	0	2	MASCOT	T	PLEX8
9.78E-02	0|0	Cs2g03510.1/Cs2g035	9.41	0	0	2	MASCOT	T	PLEX8
7.52E-03	0|0	Cs2g03510.1/Cs2g035	9.41	0	0	2	MASCOT	T	PLEX8
3.07E-01	0|0	Cs1g22440.1/Cs4g111	5.5	0	0	2	MASCOT	T	PLEX8
1.19E-01	0|0	Cs1g22440.1/Cs4g111	5.5	0	0	2	MASCOT	T	PLEX8
3.06E-02	0|0	Cs1g22440.1/Cs4g111	5.5	0	0	2	MASCOT	T	PLEX8
2.35E-02	0|0	Cs1g22440.1/Cs4g111	5.5	0	0	2	MASCOT	T	PLEX8
2.07E-02	0|0	Cs1g22440.1/Cs4g111	5.5	0	0	2	MASCOT	T	PLEX8
1.70E-01	0|0	Cs1g22440.1/Cs4g111	5.5	0	0	2	MASCOT	T	PLEX8
3.31E-02	0|0	Cs1g22440.1/Cs4g111	5.5	0	0	2	MASCOT	T	PLEX8
1.34E-01	0|0	Cs1g22440.1/Cs4g111	5.5	0	0	2	MASCOT	T	PLEX8
3.62E-03	0|0	Cs3g01420.1/Cs3g014	4.53	0	0	2	MASCOT	T	PLEX8
3.52E-04	0|0	Cs3g01420.1/Cs3g014	4.53	0	0	2	MASCOT	T	PLEX8
1.04E-01	0|0	Cs3g01420.1/Cs3g014	4.53	0	0	2	MASCOT	T	PLEX8
3.86E-03	0|0	Cs3g01420.1/Cs3g014	4.53	0	0	2	MASCOT	T	PLEX8
6.67E-03	0|0	Cs3g01420.1/Cs3g014	4.53	0	0	2	MASCOT	T	PLEX8
1.88E-02	0|0	Cs3g01420.1/Cs3g014	4.53	0	0	2	MASCOT	T	PLEX8
5.85E-03	0|0	Cs3g01420.1/Cs3g014	3.83	0	0	2	MASCOT	T	
2.02E-02	0|0	Cs3g01420.1/Cs3g014	4.08	1	0	2	MASCOT	T	
4.29E-02	0|0	Cs3g01420.1/Cs3g014	6.75	0	0	2	MASCOT	T	PLEX8
8.07E-03	0|0	Cs3g01420.1/Cs3g014	6.75	0	0	2	MASCOT	T	PLEX8
4.09E-02	0|0	Cs3g01420.1/Cs3g014	6.75	0	0	2	MASCOT	T	PLEX8
5.55E-02	0|0	Cs3g01420.1/Cs3g014	6.75	0	0	2	MASCOT	T	PLEX8
2.97E-02	0|0	Cs3g01420.1/Cs3g014	6.75	0	0	2	MASCOT	T	PLEX8
7.34E-05	0|0	Cs3g01420.1/Cs3g014	6.75	0	0	2	MASCOT	T	PLEX8
1.72E-05	0|0	Cs3g01420.1/Cs3g014	6.75	0	0	2	MASCOT	T	PLEX8
2.43E-01	0|0	Cs3g01420.1/Cs3g014	6.75	0	0	2	MASCOT	T	PLEX8
1.29E-04	0|0	Cs3g01420.1	8.47	0	0	2	MASCOT	T	PLEX8
2.21E-05	0|0	Cs3g01420.1	8.47	0	0	2	MASCOT	T	PLEX8
2.26E-02	0|0	Cs3g01420.1	8.47	0	0	2	MASCOT	T	PLEX8
2.19E-03	0|0	Cs3g01420.1	8.47	0	0	2	MASCOT	T	PLEX8
5.45E-02	0|0	Cs3g01420.1	8.47	0	0	2	MASCOT	T	PLEX8
1.67E-01	0|0	Cs3g01420.1/Cs3g014	5.81	0	0	2	MASCOT	T	PLEX8
7.20E-04	0|0	Cs3g01420.1/Cs3g014	8.72	0	0	2	MASCOT	T	PLEX8
6.72E-03	0|0	Cs3g01420.1/Cs3g014	8.72	0	0	2	MASCOT	T	PLEX8
1.74E-02	0|0	Cs3g01420.1/Cs3g014	8.72	0	0	2	MASCOT	T	PLEX8
1.65E-01	0|0	Cs3g01420.1/Cs3g014	8.72	0	0	2	MASCOT	T	PLEX8
1.23E-03	0|0	Cs3g01420.1/Cs3g014	8.72	0	0	2	MASCOT	T	PLEX8
2.57E-03	0|0	Cs3g01420.1/Cs3g014	8.72	0	0	2	MASCOT	T	PLEX8
4.97E-03	0|0	Cs3g01420.1/Cs3g014	8.72	0	0	2	MASCOT	T	PLEX8
5.22E-02	0|0	Cs3g01420.1/Cs3g014	8.72	0	0	2	MASCOT	T	PLEX8

3.10E-02 0|0	Cs3g01420.1/Cs3g014	8.72	0	0	2 MASCOT	T	PLEX8
9.21E-03 0|0	Cs3g01420.1/Cs3g014	8.72	0	0	2 MASCOT	T	PLEX8
5.78E-04 0|0	Cs3g01420.1/Cs3g014	8.72	0	0	2 MASCOT	T	PLEX8
2.78E-04 0|0	Cs3g01420.1/Cs3g014	8.72	0	0	2 MASCOT	T	PLEX8
2.12E-01 0|0	Cs2g10940.1	4.53	0	0	2 MASCOT	T	PLEX8
2.66E-07 0|0	Cs2g10940.1	4.53	0	0	2 MASCOT	T	PLEX8
3.95E-03 0|0	Cs2g10940.1	4.53	0	0	2 MASCOT	T	PLEX8
8.77E-03 0|0	Cs2g10940.1	4.53	0	0	2 MASCOT	T	PLEX8
9.23E-05 0|0	Cs2g10940.1	4.53	0	0	2 MASCOT	T	PLEX8
7.67E-02 0|0	Cs2g10940.1	4.53	0	0	2 MASCOT	T	PLEX8
2.43E-03 0|0	Cs2g10940.1	4.53	0	0	2 MASCOT	T	PLEX8
1.28E-07 0|0	Cs2g10940.1	4.53	0	0	2 MASCOT	T	PLEX8
9.76E-03 0|0	Cs2g10940.1	4.37	0	0	2 MASCOT	T	
7.24E-02 0|0	Cs2g10940.1	4.37	0	0	2 MASCOT	T	
1.31E-01 0|0	Cs2g10940.1	4.37	0	0	2 MASCOT	T	
3.06E-01 0|0	Cs2g10940.1	3.93	0	0	2 MASCOT	T	PLEX8
7.49E-02 0|0	Cs2g10940.1	3.93	0	0	2 MASCOT	T	PLEX8
8.01E-03 0|0	Cs2g10940.1	3.93	0	0	2 MASCOT	T	PLEX8
2.68E-05 0|0	Cs2g10940.1	3.93	0	0	2 MASCOT	T	PLEX8
1.48E-02 0|0	Cs2g10940.1	6.74	0	0	2 MASCOT	T	PLEX8
2.05E-01 0|0	Cs2g10940.1	6.74	0	0	2 MASCOT	T	PLEX8
3.37E-03 0|0	Cs2g10940.1	6.74	0	0	2 MASCOT	T	
9.99E-02 0|0	Cs2g10940.1	6.74	0	0	2 MASCOT	T	
1.18E-01 0|0	Cs2g10940.1	5.72	0	0	2 MASCOT	T	
2.68E-01 0|0	Cs2g10940.1	5.72	0	0	2 MASCOT	T	
3.10E-04 0|0	Cs2g10940.1	5.72	0	0	2 MASCOT	T	
1.83E-02 0|0	Cs2g10940.1	5.72	0	0	2 MASCOT	T	
1.75E-03 0|0	Cs2g10940.1	5.72	0	0	2 MASCOT	T	
4.18E-02 0|0	Cs2g10940.1	5.72	0	0	2 MASCOT	T	
5.83E-02 0|0	Cs2g10940.1	5.74	0 15.9	0	2 MASCOT	T	PLEX8
2.41E-02 0|0	Cs2g10940.1	5.74	0 15.9	0	2 MASCOT	T	PLEX8
1.43E-02 0|0	Cs2g10940.1	5.74	0 15.9	0	2 MASCOT	T	PLEX8
9.66E-03 0|0	Cs2g10940.1	5.74	0	0	2 MASCOT	T	PLEX8
1.47E-01 0|0	Cs2g10940.1	5.74	0	0	2 MASCOT	T	PLEX8
3.52E-02 0|0	Cs2g10940.1	8.49	0	0	2 MASCOT	T	PLEX8
1.40E-01 0|0	Cs2g10940.1	8.49	0	0	2 MASCOT	T	PLEX8
1.57E-01 0|0	Cs2g10940.1	8.49	0	0	2 MASCOT	T	PLEX8
3.33E-03 0|0	Cs5g06840.1	4.65	0	0	2 MASCOT	T	PLEX8
1.72E-03 0|0	Cs5g06840.1	4.65	0	0	2 MASCOT	T	PLEX8
4.07E-03 0|0	Cs5g06840.1	4.65	0	0	2 MASCOT	T	PLEX8
4.33E-02 0|0	Cs5g06840.1	4.65	0	0	2 MASCOT	T	PLEX8
4.82E-02 0|0	Cs5g06840.1	4.65	0	0	2 MASCOT	T	
1.20E-02 0|0	Cs5g06840.1	4.65	0	0	2 MASCOT	T	PLEX8
3.71E-02 0|0	Cs5g06840.1	4.65	0	0	2 MASCOT	T	PLEX8
2.50E-03 0|0	Cs5g06840.1	4.65	0	0	2 MASCOT	T	PLEX8
2.12E-01 0|0	Cs5g06840.1	4.65	0	0	2 MASCOT	T	PLEX8
3.62E-01 0|0	Cs5g06840.1/Cs5g068	4.37	0	0	2 MASCOT	T	PLEX8
1.40E-01 0|0	Cs5g06840.1/Cs5g068	6.1	0	0	2 MASCOT	T	PLEX8
2.12E-01 0|0	Cs5g06840.1/Cs5g068	6.1	0	0	2 MASCOT	T	PLEX8
2.46E-01 0|0	Cs5g06840.1/Cs5g068	6.1	0	0	2 MASCOT	T	PLEX8
4.35E-04 0|0	Cs5g06840.1/Cs5g068	5.84	0	0	2 MASCOT	T	PLEX8

9.44E-03	0|0	Cs5g06840.1/Cs5g068	5.84	0	0	2	MASCOT	T	PLEX8
8.24E-02	0|0	Cs5g06840.1/Cs5g068	5.84	0	0	2	MASCOT	T	PLEX8
1.19E-02	0|0	Cs5g06840.1/Cs8g061	6	0	0	2	MASCOT	T	
1.97E-01	0|0	Cs5g06840.1/Cs8g061	6	0	0	2	MASCOT	T	
9.87E-02	0|0	Cs5g06840.1/Cs5g068	6.07	1	0	2	MASCOT	T	PLEX8
1.14E-01	0|0	Cs5g06840.1/Cs5g068	6.07	1	0	2	MASCOT	T	PLEX8
2.31E-06	0|0	Cs5g06840.1/Cs5g068	6.07	1	0	2	MASCOT	T	PLEX8
1.57E-05	0|0	Cs5g06840.1/Cs5g068	6.07	1	0	2	MASCOT	T	PLEX8
4.64E-02	0|0	Cs5g06840.1/Cs5g068	6.07	1	0	2	MASCOT	T	
8.49E-05	0|0	Cs5g06840.1/Cs5g068	6.07	1	0	2	MASCOT	T	
1.91E-04	0|0	Cs5g06840.1/Cs5g068	5.32	0	0	2	MASCOT	T	PLEX8
7.08E-03	0|0	Cs5g06840.1/Cs5g068	5.32	0	0	2	MASCOT	T	PLEX8
4.18E-02	0|0	Cs5g06840.1/Cs5g068	5.32	0	0	2	MASCOT	T	PLEX8
2.80E-01	0|0	Cs5g06840.1/Cs5g068	5.32	0	0	2	MASCOT	T	PLEX8
2.16E-02	0|0	Cs5g06840.1/Cs5g068	5.32	0	0	2	MASCOT	T	PLEX8
3.76E-03	0|0	Cs5g06840.1/Cs5g068	5.32	0	0	2	MASCOT	T	PLEX8
2.89E-03	0|0	Cs5g06840.1/Cs5g068	5.32	0	0	2	MASCOT	T	PLEX8
2.77E-02	0|0	Cs6g06150.1	5.84	0	0	2	MASCOT	T	PLEX8
2.18E-02	0|0	Cs6g06150.1	5.84	0	0	2	MASCOT	T	PLEX8
1.47E-01	0|0	Cs6g06150.1	5.84	0	0	2	MASCOT	T	PLEX8
1.11E-01	0|0	Cs6g06150.1	5.84	0	0	2	MASCOT	T	PLEX8
2.83E-02	0|0	Cs6g06150.1	5.84	0	0	2	MASCOT	T	PLEX8
3.06E-02	0|0	Cs6g06150.1	5.84	0	0	2	MASCOT	T	PLEX8
3.52E-01	0|0	Cs6g06150.1	5.84	0	0	2	MASCOT	T	PLEX8
6.65E-02	0|0	Cs6g06150.1	6	0	0	2	MASCOT	T	PLEX8
1.98E-01	0|0	Cs6g06150.1	6	0	0	2	MASCOT	T	PLEX8
3.91E-03	0|0	Cs6g06150.1	6	0	0	2	MASCOT	T	PLEX8
2.02E-03	0|0	Cs6g06150.1	6	0	0	2	MASCOT	T	PLEX8
8.88E-04	0|0	Cs6g06150.1	6	0	0	2	MASCOT	T	PLEX8
1.49E-01	0|0	Cs6g06150.1	6	0	0	2	MASCOT	T	PLEX8
1.79E-01	0|0	Cs6g06150.1	5.72	0	0	2	MASCOT	T	PLEX8
5.54E-02	0|0	Cs6g06150.1	5.72	0	0	2	MASCOT	T	
1.15E-03	0|0	Cs6g06150.1	5.72	0	0	2	MASCOT	T	
6.48E-03	0|0	Cs6g06150.1	5.72	0	0	2	MASCOT	T	
6.93E-05	0|0	Cs6g06150.1	5.72	0	0	2	MASCOT	T	
5.62E-03	0|0	Cs6g06150.1	5.72	0	0	2	MASCOT	T	PLEX8
1.40E-04	0|0	Cs6g06150.1	8.5	0	0	2	MASCOT	T	PLEX8
1.43E-06	0|0	Cs6g06150.1	8.5	0	0	2	MASCOT	T	PLEX8
3.39E-05	0|0	Cs6g06150.1	8.5	0	0	2	MASCOT	T	PLEX8
1.19E-03	0|0	Cs6g06150.1	4.37	0	0	2	MASCOT	T	PLEX8
8.22E-04	0|0	Cs6g06150.1	4.37	0	0	2	MASCOT	T	PLEX8
7.08E-02	0|0	Cs6g06150.1	4.37	0	0	2	MASCOT	T	PLEX8
1.77E-01	0|0	Cs6g06150.1	8.47	0	0	2	MASCOT	T	PLEX8
9.25E-03	0|0	Cs6g06150.1	8.47	0	0	2	MASCOT	T	PLEX8
2.27E-02	0|0	Cs6g06150.1	8.47	0	0	2	MASCOT	T	PLEX8
5.75E-03	0|0	Cs6g06150.1	8.47	0	0	2	MASCOT	T	PLEX8
2.42E-04	0|0	Cs6g06150.1	4.53	0	0	2	MASCOT	T	PLEX8
1.07E-02	0|0	orange1.1t00333.1/ora	5.21	0	0	2	MASCOT	T	PLEX8
2.19E-01	0|0	orange1.1t00333.1/ora	5.21	0	0	2	MASCOT	T	PLEX8
3.83E-02	0|0	orange1.1t00333.1/ora	5.21	0	0	2	MASCOT	T	PLEX8
2.76E-01	0|0	orange1.1t00333.1/ora	5.21	0	0	2	MASCOT	T	PLEX8

1.04E-02	0|0	orange1.1t00333.1/ora	5.21	0	0	2	MASCOT	T	PLEX8	
8.71E-02	0|0	orange1.1t00333.1/ora	5.21	0	0	2	MASCOT	T	PLEX8	
7.92E-02	0|0	orange1.1t00333.1/ora	5.21	0	0	2	MASCOT	T	PLEX8	
2.75E-02	0|0	orange1.1t00333.1/ora	5.21	0	0	2	MASCOT	T		
2.01E-01	0|0	orange1.1t00333.1/ora	5.21	0	0	2	MASCOT	T		
4.01E-03	0|0	orange1.1t00333.1/ora	6.74	0	0	2	MASCOT	T	PLEX8	
1.83E-03	0|0	orange1.1t00333.1/ora	6.74	0	0	2	MASCOT	T	PLEX8	
8.17E-03	0|0	orange1.1t00333.1/ora	6.74	0	0	2	MASCOT	T	PLEX8	
1.23E-01	0|0	orange1.1t00333.1/ora	6.74	0	0	2	MASCOT	T		
4.89E-02	0|0	orange1.1t00333.1/ora	4.14	0	0	2	MASCOT	T		
1.03E-01	0|0	orange1.1t00333.1/ora	4.14	0	0	2	MASCOT	T		
3.99E-06	0|0	orange1.1t00333.1/ora	5.32	0	0	2	MASCOT	T	PLEX8	
2.35E-03	0|0	orange1.1t00333.1/ora	5.32	0	0	2	MASCOT	T	PLEX8	
2.34E-02	0|0	orange1.1t00333.1/ora	5.32	0	0	2	MASCOT	T	PLEX8	
6.67E-04	0|0	orange1.1t00333.1/ora	5.32	0	0	2	MASCOT	T	PLEX8	
2.52E-02	0|0	orange1.1t00333.1/ora	5.71	1	15.9	0	2	MASCOT	T	
1.08E-01	0|0	orange1.1t00333.1/ora	9.47	0	15.9	0	2	MASCOT	T	
5.37E-04	0|0	orange1.1t00333.1/ora	9.47	0	15.9	0	2	MASCOT	T	
1.51E-02	0|0	orange1.1t00333.1/ora	9.47	0	15.9	0	2	MASCOT	T	
4.35E-02	0|0	orange1.1t00333.1/ora	9.47	0	0	2	MASCOT	T		
2.76E-01	0|0	orange1.1t00333.1/ora	9.47	0	0	2	MASCOT	T		
2.65E-05	0|0	orange1.1t00333.1/ora	9.47	0	0	2	MASCOT	T		
2.57E-02	0|0	orange1.1t00333.1/ora	9.47	0	0	2	MASCOT	T		
1.24E-01	0|0	orange1.1t00333.1/ora	9.47	0	0	2	MASCOT	T		
1.24E-02	0|0	orange1.1t00333.1/ora	6.71	0	0	2	MASCOT	T	PLEX8	
1.10E-02	0|0	orange1.1t00333.1/ora	6.71	0	0	2	MASCOT	T		
2.18E-01	0|0	Cs8g09220.1/Cs8g092	4.37	0	0	2	MASCOT	T	PLEX8	
2.05E-02	0|0	Cs8g09220.1/Cs8g092	4.37	0	0	2	MASCOT	T	PLEX8	
1.69E-01	0|0	Cs8g09220.1/Cs8g092	4.37	0	0	2	MASCOT	T	PLEX8	
1.85E-01	0|0	Cs7g31100.1/Cs7g311	9.76	0	0	2	MASCOT	T	PLEX8	
2.44E-02	0|0	Cs7g31100.1/Cs7g311	9.76	0	0	2	MASCOT	T	PLEX8	
7.58E-03	0|0	Cs8g09220.1/orange1.	5.32	0	15.9	0	2	MASCOT	T	PLEX8
1.17E-05	0|0	Cs8g09220.1/orange1.	5.32	0	15.9	0	2	MASCOT	T	PLEX8
5.54E-04	0|0	Cs8g09220.1/orange1.	5.32	0	15.9	0	2	MASCOT	T	PLEX8
3.17E-05	0|0	Cs8g09220.1/orange1.	5.32	0	15.9	0	2	MASCOT	T	PLEX8
7.55E-03	0|0	Cs8g09220.1/orange1.	5.32	0	15.9	0	2	MASCOT	T	PLEX8
2.86E-01	0|0	Cs8g09220.1/orange1.	5.32	0	0	2	MASCOT	T	PLEX8	
1.78E-02	0|0	Cs8g09220.1/orange1.	5.32	0	0	2	MASCOT	T	PLEX8	
1.36E-01	0|0	Cs8g09220.1/orange1.	5.32	0	0	2	MASCOT	T	PLEX8	
4.56E-05	0|0	Cs8g09220.1/orange1.	5.32	0	0	2	MASCOT	T	PLEX8	
8.65E-03	0|0	Cs8g09220.1/orange1.	5.32	0	0	2	MASCOT	T		
1.40E-02	0|0	Cs1g16250.1/Cs1g162	5.66	0	0	2	MASCOT	T	PLEX8	
2.39E-02	0|0	Cs1g16250.1/Cs1g162	5.66	0	0	2	MASCOT	T	PLEX8	
2.18E-01	0|0	Cs8g09220.1/Cs8g092	4.37	0	0	2	MASCOT	T	PLEX8	
4.33E-01	0|0	Cs8g09220.1/Cs8g092	4.37	0	0	2	MASCOT	T	PLEX8	
1.57E-01	0|0	Cs5g30600.1/Cs5g306	6.04	0	0	2	MASCOT	T	PLEX8	
1.70E-01	0|0	Cs5g30600.1/Cs5g306	6.04	0	0	2	MASCOT	T	PLEX8	
1.53E-01	0|0	Cs5g30600.1/Cs5g306	6.04	0	0	2	MASCOT	T	PLEX8	
1.48E-01	0|0	Cs5g30600.1/Cs5g306	6.04	0	0	2	MASCOT	T	PLEX8	
8.13E-02	0|0	Cs5g30600.1/Cs5g306	6.04	0	0	2	MASCOT	T	PLEX8	
1.75E-01	0|0	Cs5g30600.1/Cs5g306	6.04	0	0	2	MASCOT	T	PLEX8	

9.30E-05	0|0	Cs8g09220.1/orange1.	5.5	0	0	2	MASCOT	T	PLEX8
1.05E-02	0|0	Cs8g09220.1/orange1.	5.5	0	0	2	MASCOT	T	PLEX8
1.51E-01	0|0	Cs8g09220.1/orange1.	5.5	0	0	2	MASCOT	T	PLEX8
6.39E-02	0|0	Cs8g09220.1/orange1.	5.5	0	0	2	MASCOT	T	PLEX8
3.23E-02	0|0	Cs5g06580.1 ! Cs9g13	6	0	0	2	MASCOT	T	PLEX8
6.60E-03	0|0	Cs5g06580.1 ! Cs9g13	6	0	0	2	MASCOT	T	PLEX8
7.81E-03	0|0	Cs5g06580.1 ! Cs9g13	6	0	0	2	MASCOT	T	PLEX8
6.51E-03	0|0	Cs5g06580.1 ! Cs9g13	6	0	0	2	MASCOT	T	PLEX8
1.31E-01	0|0	Cs5g06580.1 ! Cs9g13	6	0	0	2	MASCOT	T	PLEX8
1.52E-01	0|0	Cs5g06580.1 ! Cs9g13	6	0	0	2	MASCOT	T	PLEX8
2.80E-02	0|0	Cs5g06580.1 ! Cs9g13	6	0	0	2	MASCOT	T	PLEX8
4.13E-02	0|0	Cs5g06580.1 ! Cs9g13	6	0	0	2	MASCOT	T	PLEX8
6.10E-02	0|0	Cs5g06580.1 ! Cs9g13	6	0	0	2	MASCOT	T	PLEX8
7.65E-05	0|0	Cs9g13760.1	4.8	0	0	2	MASCOT	T	
9.14E-03	0|0	Cs9g13760.1	5.4	0	0	2	MASCOT	T	PLEX8
3.33E-03	0|0	Cs9g13760.1	5.4	0	0	2	MASCOT	T	PLEX8
1.63E-04	0|0	Cs9g13760.1	5.4	0	0	2	MASCOT	T	PLEX8
7.09E-06	0|0	Cs9g13760.1	5.4	0	0	2	MASCOT	T	PLEX8
8.27E-02	0|0	Cs9g13760.1	5.4	0	0	2	MASCOT	T	PLEX8
1.08E-02	0|0	Cs9g13760.1	6.74	0	0	2	MASCOT	T	PLEX8
2.78E-02	0|0	Cs9g13760.1	6.74	0	0	2	MASCOT	T	PLEX8
4.96E-02	0|0	Cs9g13760.1	5.84	0	0	2	MASCOT	T	PLEX8
6.35E-03	0|0	Cs9g13760.1	5.84	0	0	2	MASCOT	T	PLEX8
2.58E-02	0|0	Cs9g13760.1	5.84	0	0	2	MASCOT	T	PLEX8
6.01E-02	0|0	Cs9g13760.1	5.84	0	0	2	MASCOT	T	PLEX8
2.36E-02	0|0	Cs9g13760.1	4.53	0	0	2	MASCOT	T	PLEX8
5.28E-02	0|0	Cs9g13760.1	4.53	0	0	2	MASCOT	T	PLEX8
1.09E-02	0|0	Cs9g13760.1	4.53	0	0	2	MASCOT	T	PLEX8
1.61E-01	0|0	Cs9g13760.1	4.53	0	0	2	MASCOT	T	PLEX8
4.41E-02	0|0	Cs9g13760.1	4.53	0	0	2	MASCOT	T	PLEX8
2.72E-02	0|0	Cs9g13760.1	4.53	0	0	2	MASCOT	T	PLEX8
1.81E-01	0|0	Cs9g13760.1	4.53	0	0	2	MASCOT	T	PLEX8
6.67E-02	0|0	Cs9g13760.1	8.72	0	0	2	MASCOT	T	PLEX8
6.00E-03	0|0	Cs2g03600.1/Cs2g036	4.37	0	0	2	MASCOT	T	PLEX8
6.97E-03	0|0	Cs2g03600.1/Cs2g036	4.37	0	0	2	MASCOT	T	PLEX8
1.42E-03	0|0	Cs2g03600.1/Cs2g036	8.75	0	0	2	MASCOT	T	PLEX8
6.52E-04	0|0	Cs2g03600.1/Cs2g036	3.98	0	0	2	MASCOT	T	PLEX8
2.20E-01	0|0	Cs2g03600.1/Cs2g036	3.98	0	0	2	MASCOT	T	PLEX8
1.56E-04	0|0	Cs2g03600.1/Cs2g036	3.98	0	0	2	MASCOT	T	PLEX8
4.04E-03	0|0	Cs2g03600.1/Cs2g036	3.98	0	0	2	MASCOT	T	PLEX8
2.28E-01	0|0	Cs2g03600.1/Cs2g036	10.83	0	0	2	MASCOT	T	PLEX8
4.66E-01	0|0	Cs2g03600.1/Cs2g036	4.4	0	0	2	MASCOT	T	
2.00E-01	0|0	Cs2g03600.1/Cs2g036	4.4	0	0	2	MASCOT	T	
1.24E-03	0|0	Cs2g03600.1/Cs2g036	4.4	0	0	2	MASCOT	T	
3.53E-04	0|0	Cs2g03600.1/Cs2g036	4.4	0	0	2	MASCOT	T	
7.97E-03	0|0	Cs2g03600.1/Cs2g036	6	0	0	2	MASCOT	T	PLEX8
4.00E-02	0|0	Cs2g03600.1/Cs2g036	6	0	0	2	MASCOT	T	PLEX8
2.32E-02	0|0	Cs2g03600.1/Cs2g036	6	0	0	2	MASCOT	T	PLEX8
2.34E-01	0|0	Cs2g03600.1/Cs2g036	6	0	0	2	MASCOT	T	
7.92E-03	0|0	Cs2g03600.1/Cs2g036	6	0	0	2	MASCOT	T	PLEX8
5.69E-03	0|0	Cs2g03600.1/Cs2g036	6	0	0	2	MASCOT	T	PLEX8

3.86E-02 0|0	Cs2g03600.1/Cs2g036	6	0	0	2 MASCOT	T	PLEX8
2.31E-02 0|0	Cs2g03600.1/Cs2g036	6	0	0	2 MASCOT	T	PLEX8
9.08E-02 0|0	Cs2g03600.1/Cs2g036	4.37	0	0	2 MASCOT	T	PLEX8
2.68E-02 0|0	Cs2g03600.1/Cs2g036	4.37	0	0	2 MASCOT	T	PLEX8
9.21E-04 0|0	Cs2g03600.1/Cs2g036	4.37	0	0	2 MASCOT	T	PLEX8
6.07E-03 0|0	Cs2g03600.1/Cs2g036	4.37	0	0	2 MASCOT	T	PLEX8
6.36E-03 0|0	Cs2g03600.1/Cs2g036	4.37	0	0	2 MASCOT	T	PLEX8
3.22E-01 0|0	Cs2g03600.1/Cs2g036	4.37	0	0	2 MASCOT	T	PLEX8
8.63E-05 0|0	Cs2g03600.1/Cs2g036	4.37	0	0	2 MASCOT	T	PLEX8
1.04E-01 0|0	Cs2g03600.1/Cs2g036	4.37	0	0	2 MASCOT	T	PLEX8
2.37E-02 0|0	Cs7g02850.1	6.05	0	0	2 MASCOT	T	PLEX8
3.19E-03 0|0	Cs7g02850.1	6.05	0	0	2 MASCOT	T	PLEX8
4.80E-02 0|0	Cs7g02850.1	4.53	0	0	2 MASCOT	T	PLEX8
1.37E-03 0|0	Cs7g02850.1	4.53	0	0	2 MASCOT	T	PLEX8
6.97E-04 0|0	Cs7g02850.1	4.53	0	0	2 MASCOT	T	PLEX8
4.87E-03 0|0	Cs7g02850.1	4.53	0	0	2 MASCOT	T	PLEX8
2.01E-02 0|0	Cs7g02850.1	4.53	0	0	2 MASCOT	T	PLEX8
5.86E-03 0|0	Cs7g02850.1	4.53	0	0	2 MASCOT	T	PLEX8
2.68E-03 0|0	Cs7g02850.1	4.53	0	0	2 MASCOT	T	PLEX8
4.86E-02 0|0	Cs7g02850.1	6.79	0	0	2 MASCOT	T	PLEX8
9.98E-02 0|0	Cs7g02850.1	6.79	0	0	2 MASCOT	T	PLEX8
1.27E-02 0|0	Cs7g02850.1	6.79	0	0	2 MASCOT	T	PLEX8
2.06E-02 0|0	Cs7g02850.1	6.79	0	0	2 MASCOT	T	PLEX8
4.04E-02 0|0	Cs7g02850.1	6.79	0	0	2 MASCOT	T	PLEX8
6.86E-02 0|0	Cs7g02850.1	6.79	0	0	2 MASCOT	T	
5.56E-03 0|0	Cs7g02850.1	4.37	0	0	2 MASCOT	T	PLEX8
2.23E-02 0|0	Cs7g02850.1	4.37	0	0	2 MASCOT	T	PLEX8
8.90E-03 0|0	Cs7g02850.1	4.37	0	0	2 MASCOT	T	PLEX8
6.40E-03 0|0	Cs7g02850.1	4.37	0	0	2 MASCOT	T	PLEX8
3.71E-02 0|0	Cs7g02850.1	5.66	0	0	2 MASCOT	T	PLEX8
3.74E-03 0|0	Cs7g02850.1	8.72	0 15.9	0	2 MASCOT	T	
1.82E-06 0|0	Cs7g02850.1	8.72	0 15.9	0	2 MASCOT	T	
1.26E-04 0|0	Cs7g02850.1	8.72	0 15.9	0	2 MASCOT	T	
1.15E-01 0|0	Cs7g02850.1	8.72	0 15.9	0	2 MASCOT	T	
1.40E-02 0|0	Cs7g02850.1	8.72	0	0	2 MASCOT	T	
1.07E-05 0|0	Cs7g02850.1	8.72	0	0	2 MASCOT	T	
3.43E-02 0|0	Cs7g02850.1	8.76	0	0	2 MASCOT	T	
5.08E-02 0|0	Cs7g02850.1	8.76	0	0	2 MASCOT	T	
7.99E-03 0|0	Cs6g21940.1/Cs6g219	4.37	0	0	2 MASCOT	T	PLEX8
3.29E-02 0|0	Cs6g21940.1/Cs6g219	4.37	0	0	2 MASCOT	T	PLEX8
1.88E-02 0|0	Cs6g21940.1/Cs6g219	4.37	0	0	2 MASCOT	T	PLEX8
7.23E-03 0|0	Cs6g21940.1/Cs6g219	4.37	0	0	2 MASCOT	T	PLEX8
2.09E-01 0|0	Cs6g21940.1/Cs6g219	4.21	0	0	2 MASCOT	T	PLEX8
3.47E-02 0|0	Cs6g21940.1/Cs6g219	4.21	0	0	2 MASCOT	T	PLEX8
1.28E-01 0|0	Cs6g21940.1/Cs6g219	4.21	0	0	2 MASCOT	T	PLEX8
1.40E-02 0|0	Cs6g21940.1/Cs6g219	4.21	0	0	2 MASCOT	T	PLEX8
1.13E-02 0|0	Cs6g21940.1/Cs6g219	4.21	0	0	2 MASCOT	T	PLEX8
1.67E-01 0|0	Cs6g21940.1/Cs6g219	4.21	0	0	2 MASCOT	T	PLEX8
1.28E-02 0|0	Cs6g21940.1/Cs6g219	4.25	0 15.9	0	2 MASCOT	T	
2.62E-01 0|0	Cs6g21940.1/Cs6g219	4.25	0 15.9	0	2 MASCOT	T	
2.08E-02 0|0	Cs6g21940.1/Cs6g219	4.54	0	0	2 MASCOT	T	

1.81E-01	0|0	Cs6g21940.1/Cs6g219	5.99	0	0	2	MASCOT	T	PLEX8	
5.38E-02	0|0	Cs6g21940.1/Cs6g219	5.99	0	0	2	MASCOT	T	PLEX8	
4.45E-01	0|0	Cs6g21940.1/Cs6g219	5.99	0	0	2	MASCOT	T	PLEX8	
1.06E-03	0|0	Cs6g21940.1/Cs6g219	4.14	0	0	2	MASCOT	T		
1.58E-02	0|0	Cs6g21940.1/Cs6g219	4.14	0	0	2	MASCOT	T		
8.11E-02	0|0	Cs6g21940.1/Cs6g219	4.14	0	15.9	0	2	MASCOT	T	PLEX8
8.78E-02	0|0	Cs6g21940.1/Cs6g219	4.14	0	0	2	MASCOT	T	PLEX8	
1.15E-01	0|0	Cs6g21940.1/Cs6g219	4.14	0	0	2	MASCOT	T	PLEX8	
9.52E-02	0|0	Cs6g21940.1/Cs6g219	4.14	0	0	2	MASCOT	T	PLEX8	
1.86E-01	0|0	Cs2g21120.1/Cs2g211	5.88	0	0	2	MASCOT	T		
3.70E-02	0|0	Cs2g21120.1/Cs2g211	5.88	0	0	2	MASCOT	T		
1.25E-01	0|0	Cs2g21120.1	4.54	0	0	2	MASCOT	T	PLEX8	
7.03E-04	0|0	Cs2g21120.1	4.54	0	0	2	MASCOT	T	PLEX8	
1.68E-01	0|0	Cs2g21120.1	4.54	0	0	2	MASCOT	T	PLEX8	
2.28E-02	0|0	Cs2g21120.1/Cs2g211	6.74	0	0	2	MASCOT	T	PLEX8	
2.81E-02	0|0	Cs2g21120.1/Cs2g211	4.1	0	15.9	0	2	MASCOT	T	PLEX8
1.07E-02	0|0	Cs2g21120.1/Cs2g211	4.1	0	15.9	0	2	MASCOT	T	PLEX8
3.25E-03	0|0	Cs2g21120.1/Cs2g211	4.1	0	0	2	MASCOT	T	PLEX8	
3.92E-02	0|0	Cs2g21120.1/Cs2g211	8.75	0	0	2	MASCOT	T	PLEX8	
1.15E-02	0|0	Cs2g21120.1/Cs2g211	8.75	0	0	2	MASCOT	T	PLEX8	
4.34E-03	0|0	Cs2g21120.1/Cs2g211	8.75	0	0	2	MASCOT	T	PLEX8	
3.11E-01	0|0	Cs2g21120.1/Cs2g211	8.75	0	0	2	MASCOT	T	PLEX8	
1.16E-01	0|0	Cs2g21120.1/Cs2g211	8.75	0	0	2	MASCOT	T	PLEX8	
7.04E-03	0|0	Cs2g21120.1/Cs2g211	8.75	0	0	2	MASCOT	T	PLEX8	
2.70E-02	0|0	Cs2g21120.1/Cs2g211	8.75	0	0	2	MASCOT	T	PLEX8	
4.78E-03	0|0	Cs2g21120.1/Cs2g211	4.54	0	15.9	0	2	MASCOT	T	PLEX8
4.84E-03	0|0	Cs2g21120.1/Cs2g211	4.54	0	15.9	0	2	MASCOT	T	PLEX8
2.08E-03	0|0	Cs2g21120.1/Cs2g211	4.54	0	15.9	0	2	MASCOT	T	PLEX8
8.23E-03	0|0	Cs2g21120.1/Cs2g211	3.93	0	0	2	MASCOT	T		
1.10E-03	0|0	Cs2g21120.1/Cs2g211	3.93	0	0	2	MASCOT	T	PLEX8	
2.63E-05	0|0	Cs5g09700.1	4.02	1	0	2	MASCOT	T	PLEX8	
2.73E-02	0|0	Cs5g09700.1/Cs5g097	4.31	0	0	2	MASCOT	T		
3.05E-02	0|0	Cs5g09700.1/Cs5g097	4.31	0	0	2	MASCOT	T		
9.07E-02	0|0	Cs5g09700.1/Cs5g097	4.31	0	0	2	MASCOT	T		
4.96E-02	0|0	Cs5g09700.1/Cs5g097	4.31	0	0	2	MASCOT	T		
2.53E-04	0|0	Cs5g09700.1/Cs5g097	4.31	0	0	2	MASCOT	T		
1.03E-01	0|0	Cs5g09700.1/Cs5g097	4.31	0	0	2	MASCOT	T		
1.73E-02	0|0	Cs5g09700.1/Cs5g097	4.31	0	0	2	MASCOT	T		
1.10E-05	0|0	Cs5g09700.1/Cs5g097	4.31	0	0	2	MASCOT	T		
9.17E-04	0|0	Cs5g09700.1	4.37	0	0	2	MASCOT	T		
1.22E-03	0|0	Cs5g09700.1	4.37	0	0	2	MASCOT	T	PLEX8	
8.93E-04	0|0	Cs5g09700.1	4.37	0	0	2	MASCOT	T	PLEX8	
2.09E-02	0|0	Cs5g09700.1/Cs5g097	4.53	0	0	2	MASCOT	T	PLEX8	
5.89E-03	0|0	Cs5g09700.1/Cs5g097	4.53	0	0	2	MASCOT	T	PLEX8	
9.28E-03	0|0	Cs5g09700.1/Cs5g097	8.8	0	0	2	MASCOT	T	PLEX8	
1.86E-01	0|0	Cs5g09700.1/Cs5g097	8.8	0	0	2	MASCOT	T	PLEX8	
3.95E-04	0|0	Cs5g09700.1/Cs5g097	5.72	0	0	2	MASCOT	T	PLEX8	
3.14E-01	0|0	Cs5g09700.1/Cs5g097	5.21	0	0	2	MASCOT	T	PLEX8	
1.05E-01	0|0	Cs5g09700.1/Cs5g097	5.21	0	0	2	MASCOT	T	PLEX8	
2.29E-01	0|0	Cs5g09700.1/Cs5g097	5.21	0	0	2	MASCOT	T	PLEX8	
4.90E-03	0|0	Cs5g09700.1/Cs5g097	5.21	0	0	2	MASCOT	T	PLEX8	

4.30E-01	0|0	Cs5g15190.1	4.53	0	0	2	MASCOT	T	PLEX8	
2.61E-01	0|0	Cs5g15190.1	4.53	0	0	2	MASCOT	T	PLEX8	
7.41E-02	0|0	Cs5g15190.1	4.53	0	0	2	MASCOT	T	PLEX8	
2.87E-01	0|0	Cs5g15190.1	4.53	0	0	2	MASCOT	T	PLEX8	
9.66E-02	0|0	Cs5g15190.1	8.75	0	0	2	MASCOT	T	PLEX8	
2.31E-02	0|0	Cs5g15190.1	4.53	0	0	2	MASCOT	T	PLEX8	
6.19E-03	0|0	Cs5g15190.1	4.53	0	0	2	MASCOT	T	PLEX8	
2.59E-03	0|0	Cs5g15190.1	4.53	0	0	2	MASCOT	T	PLEX8	
2.95E-03	0|0	Cs5g15190.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.34E-01	0|0	Cs5g15160.1/Cs5g151	4.25	0	0	2	MASCOT	T	PLEX8	
1.25E-01	0|0	Cs5g15160.1/Cs5g151	4.25	0	0	2	MASCOT	T	PLEX8	
5.50E-02	0|0	Cs5g15160.1/Cs5g151	4.25	0	0	2	MASCOT	T	PLEX8	
2.20E-01	0|0	Cs1g08610.1/Cs7g141	6	0	0	2	MASCOT	T	PLEX8	
3.40E-01	0|0	Cs1g08610.1/Cs7g141	6	0	0	2	MASCOT	T	PLEX8	
3.44E-03	0|0	Cs5g15160.1/Cs5g151	8.49	0	15.9	0	2	MASCOT	T	PLEX8
5.17E-02	0|0	Cs5g15160.1/Cs5g151	8.49	0	15.9	0	2	MASCOT	T	PLEX8
1.23E-03	0|0	Cs5g15160.1/Cs5g151	8.49	0	15.9	0	2	MASCOT	T	PLEX8
3.23E-05	0|0	Cs5g15160.1/Cs5g151	8.49	0	0	2	MASCOT	T	PLEX8	
4.87E-02	0|0	Cs5g15160.1/Cs5g151	8.49	0	0	2	MASCOT	T	PLEX8	
7.80E-02	0|0	Cs5g15160.1/Cs5g151	8.49	0	0	2	MASCOT	T	PLEX8	
3.83E-01	0|0	Cs5g15170.1/Cs5g151	4.21	0	0	2	MASCOT	T	PLEX8	
1.72E-02	0|0	Cs6g02920.1/Cs6g029	8.22	0	0	2	MASCOT	T	PLEX8	
1.58E-01	0|0	Cs6g02920.1/Cs6g029	4.37	0	0	2	MASCOT	T	PLEX8	
2.00E-03	0|0	Cs6g02920.1/Cs6g029	4.37	0	0	2	MASCOT	T	PLEX8	
2.52E-02	0|0	Cs6g02920.1/Cs6g029	8.47	0	0	2	MASCOT	T	PLEX8	
5.96E-02	0|0	Cs6g02920.1/Cs6g029	4.37	0	0	2	MASCOT	T	PLEX8	
9.89E-03	0|0	Cs6g02920.1/Cs6g029	4.37	0	0	2	MASCOT	T	PLEX8	
1.19E-02	0|0	Cs6g02920.1/Cs6g029	4.37	0	0	2	MASCOT	T	PLEX8	
3.63E-03	0|0	Cs6g02920.1/Cs6g029	4.37	0	0	2	MASCOT	T	PLEX8	
1.32E-03	0|0	Cs6g02920.1/Cs6g029	4.37	0	0	2	MASCOT	T	PLEX8	
4.45E-02	0|0	Cs6g02920.1/Cs6g029	4.37	0	0	2	MASCOT	T	PLEX8	
1.24E-01	0|0	Cs6g02920.1/Cs6g029	4.37	0	0	2	MASCOT	T	PLEX8	
3.98E-01	0|0	Cs6g02920.1/Cs6g029	4.37	0	0	2	MASCOT	T	PLEX8	
2.15E-03	0|0	Cs6g02920.1/Cs6g029	4.14	0	0	2	MASCOT	T	PLEX8	
1.86E-04	0|0	Cs6g02920.1/Cs6g029	4.14	0	0	2	MASCOT	T	PLEX8	
1.39E-03	0|0	Cs6g02920.1/Cs6g029	4.14	0	0	2	MASCOT	T	PLEX8	
6.47E-02	0|0	Cs6g02920.1/Cs6g029	5.72	0	0	2	MASCOT	T	PLEX8	
1.25E-01	0|0	Cs6g02920.1/Cs6g029	5.72	0	0	2	MASCOT	T	PLEX8	
2.15E-02	0|0	Cs6g02920.1/Cs6g029	5.72	0	0	2	MASCOT	T	PLEX8	
4.81E-04	0|0	Cs6g02920.1/Cs6g029	5.72	0	0	2	MASCOT	T	PLEX8	
1.47E-01	0|0	Cs6g02920.1/Cs6g029	5.72	0	0	2	MASCOT	T	PLEX8	
3.83E-01	0|0	Cs6g02920.1/Cs6g029	5.72	0	0	2	MASCOT	T	PLEX8	
7.80E-04	0|0	Cs6g05570.1	4.53	0	0	2	MASCOT	T	PLEX8	
6.70E-02	0|0	Cs6g05570.1	4.53	0	0	2	MASCOT	T	PLEX8	
4.16E-08	0|0	Cs6g05570.1	4.53	0	0	2	MASCOT	T	PLEX8	
6.54E-04	0|0	Cs6g05570.1	4.53	0	0	2	MASCOT	T	PLEX8	
7.11E-02	0|0	Cs6g05570.1	4.53	0	0	2	MASCOT	T	PLEX8	
6.21E-02	0|0	Cs6g05570.1	6.75	0	0	2	MASCOT	T	PLEX8	
4.52E-02	0|0	Cs6g05570.1	6.75	0	0	2	MASCOT	T	PLEX8	
5.61E-03	0|0	Cs6g05570.1	8.75	0	0	2	MASCOT	T	PLEX8	
1.43E-02	0|0	Cs6g05570.1	8.75	0	0	2	MASCOT	T	PLEX8	

1.77E-02 0|0	Cs6g05570.1	8.75	0	0	2 MASCOT	T	
1.20E-02 0|0	Cs6g05570.1	8.75	0	0	2 MASCOT	T	PLEX8
6.96E-02 0|0	Cs6g05570.1	8.75	0	0	2 MASCOT	T	PLEX8
8.13E-03 0|0	Cs6g05570.1	8.75	0	0	2 MASCOT	T	PLEX8
2.41E-02 0|0	Cs6g05570.1	8.75	0	0	2 MASCOT	T	
7.90E-03 0|0	Cs6g05570.1	4	0	0	2 MASCOT	T	PLEX8
4.30E-06 0|0	Cs6g05570.1	4.37	0	0	2 MASCOT	T	PLEX8
3.36E-03 0|0	Cs6g05570.1	4.37	0	0	2 MASCOT	T	PLEX8
6.70E-02 0|0	Cs6g05570.1	4.37	0	0	2 MASCOT	T	PLEX8
2.07E-02 0|0	Cs6g05570.1	4.54	0 15.9	0	2 MASCOT	T	PLEX8
9.10E-02 0|0	Cs6g05570.1	4.54	0	0	2 MASCOT	T	PLEX8
2.66E-02 0|0	Cs6g05570.1	4.54	0	0	2 MASCOT	T	PLEX8
9.87E-03 0|0	Cs2g12680.1	4.65	0	0	2 MASCOT	T	PLEX8
4.77E-01 0|0	Cs2g12680.1	5.4	0	0	2 MASCOT	T	PLEX8
4.69E-01 0|0	Cs2g12680.1	5.4	0	0	2 MASCOT	T	PLEX8
7.68E-02 0|0	Cs2g12680.1	5.4	0	0	2 MASCOT	T	PLEX8
1.41E-01 0|0	Cs2g12680.1	5.4	0	0	2 MASCOT	T	PLEX8
1.07E-02 0|0	Cs2g12680.1	5.4	0	0	2 MASCOT	T	PLEX8
1.49E-06 0|0	Cs2g12680.1	4.54	0	0	2 MASCOT	T	PLEX8
8.33E-07 0|0	Cs2g12680.1	4.54	0	0	2 MASCOT	T	
9.52E-02 0|0	Cs2g12680.1	5.4	0	0	2 MASCOT	T	
5.57E-02 0|0	Cs2g12680.1	5.4	0	0	2 MASCOT	T	
8.18E-02 0|0	Cs2g12680.1	4.37	0	0	2 MASCOT	T	PLEX8
9.30E-03 0|0	Cs2g12680.1	4.37	0	0	2 MASCOT	T	PLEX8
9.78E-02 0|0	Cs2g12680.1	4.37	0	0	2 MASCOT	T	
4.56E-03 0|0	Cs2g12680.1	4.37	0	0	2 MASCOT	T	
2.79E-02 0|0	Cs2g12680.1	9.75	0	0	2 MASCOT	T	PLEX8
1.37E-01 0|0	Cs2g12680.1	4.53	0	0	2 MASCOT	T	PLEX8
1.17E-01 0|0	Cs2g12680.1	4.53	0	0	2 MASCOT	T	PLEX8
9.18E-03 0|0	Cs2g12680.1	4.53	0	0	2 MASCOT	T	PLEX8
2.09E-01 0|0	Cs2g12680.1	4.53	0	0	2 MASCOT	T	PLEX8
1.46E-05 0|0	Cs2g12680.1	4.53	0	0	2 MASCOT	T	PLEX8
1.36E-01 0|0	Cs3g06080.1/Cs6g189	6.12	0	0	2 MASCOT	T	PLEX8
3.47E-02 0|0	Cs3g06080.1/Cs6g189	6.12	0	0	2 MASCOT	T	PLEX8
2.67E-01 0|0	Cs3g06080.1/Cs6g189	6.12	0	0	2 MASCOT	T	PLEX8
5.26E-02 0|0	Cs3g06080.1/Cs6g189	6.12	0	0	2 MASCOT	T	PLEX8
6.48E-03 0|0	Cs6g18910.1	4.37	0	0	2 MASCOT	T	
3.35E-07 0|0	Cs6g18910.1	4.37	0	0	2 MASCOT	T	
1.04E-06 0|0	Cs6g18910.1	4.37	0	0	2 MASCOT	T	
1.48E-02 0|0	Cs6g18910.1	5.84	0	0	2 MASCOT	T	PLEX8
1.60E-01 0|0	Cs3g06080.1/Cs6g189	8.5	0	0	2 MASCOT	T	
1.54E-01 0|0	Cs3g06080.1/Cs6g189	8.5	0	0	2 MASCOT	T	
1.80E-01 0|0	Cs3g06080.1/Cs6g189	8.5	0	0	2 MASCOT	T	PLEX8
4.16E-01 0|0	Cs6g18910.1	5.84	0	0	2 MASCOT	T	
3.63E-01 0|0	Cs6g18910.1	5.84	0	0	2 MASCOT	T	
1.62E-01 0|0	Cs6g18910.1	5.84	0	0	2 MASCOT	T	
6.20E-02 0|0	Cs3g06080.1/Cs6g189	8.75	0	0	2 MASCOT	T	PLEX8
2.66E-01 0|0	Cs6g18900.1/Cs6g189	8.75	0	0	2 MASCOT	T	PLEX8
1.66E-01 0|0	Cs6g18900.1/Cs6g189	8.75	0	0	2 MASCOT	T	
1.13E-01 0|0	Cs6g18900.1/Cs6g189	8.75	0	0	2 MASCOT	T	PLEX8
1.05E-01 0|0	Cs6g18900.1/Cs6g189	8.75	0	0	2 MASCOT	T	PLEX8

1.46E-01	0|0	Cs6g18900.1/Cs6g189	8.75	0	0	2	MASCOT	T	PLEX8	
2.91E-01	0|0	Cs5g15160.1/Cs5g151	4.37	0	0	2	MASCOT	T	PLEX8	
1.65E-01	0|0	Cs5g15160.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.43E-01	0|0	Cs5g15160.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.33E-02	0|0	Cs5g15160.1	4.53	0	0	2	MASCOT	T	PLEX8	
6.72E-02	0|0	Cs5g15160.1	4.53	0	0	2	MASCOT	T	PLEX8	
5.83E-02	0|0	Cs5g15160.1	4.53	0	0	2	MASCOT	T	PLEX8	
7.10E-03	0|0	Cs5g15160.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.34E-01	0|0	Cs5g15160.1/Cs5g151	4.25	0	0	2	MASCOT	T	PLEX8	
1.25E-01	0|0	Cs5g15160.1/Cs5g151	4.25	0	0	2	MASCOT	T	PLEX8	
5.50E-02	0|0	Cs5g15160.1/Cs5g151	4.25	0	0	2	MASCOT	T	PLEX8	
2.20E-01	0|0	Cs1g08610.1/Cs7g141	6	0	0	2	MASCOT	T	PLEX8	
3.40E-01	0|0	Cs1g08610.1/Cs7g141	6	0	0	2	MASCOT	T	PLEX8	
5.77E-02	0|0	Cs5g15160.1	6.14	1	0	2	MASCOT	T	PLEX8	
3.44E-03	0|0	Cs5g15160.1/Cs5g151	8.49	0	15.9	0	2	MASCOT	T	PLEX8
5.17E-02	0|0	Cs5g15160.1/Cs5g151	8.49	0	15.9	0	2	MASCOT	T	PLEX8
1.23E-03	0|0	Cs5g15160.1/Cs5g151	8.49	0	15.9	0	2	MASCOT	T	PLEX8
3.23E-05	0|0	Cs5g15160.1/Cs5g151	8.49	0	0	2	MASCOT	T	PLEX8	
4.87E-02	0|0	Cs5g15160.1/Cs5g151	8.49	0	0	2	MASCOT	T	PLEX8	
7.80E-02	0|0	Cs5g15160.1/Cs5g151	8.49	0	0	2	MASCOT	T	PLEX8	
5.15E-01	0|0	Cs6g08680.1	6	0	0	2	MASCOT	T	PLEX8	
3.14E-01	0|0	Cs6g08680.1	6	0	0	2	MASCOT	T	PLEX8	
2.87E-02	0|0	Cs6g08680.1	6	0	0	2	MASCOT	T	PLEX8	
4.17E-02	0|0	Cs6g08680.1	6	0	0	2	MASCOT	T	PLEX8	
3.73E-02	0|0	Cs6g08680.1	6	0	0	2	MASCOT	T	PLEX8	
1.01E-01	0|0	Cs6g08680.1	5.71	0	0	2	MASCOT	T	PLEX8	
1.56E-03	0|0	Cs6g08680.1	5.71	0	0	2	MASCOT	T	PLEX8	
9.21E-03	0|0	Cs6g08680.1	5.71	0	0	2	MASCOT	T	PLEX8	
6.17E-03	0|0	Cs6g08680.1	5.71	0	0	2	MASCOT	T	PLEX8	
2.39E-01	0|0	Cs6g08680.1	5.38	0	0	2	MASCOT	T	PLEX8	
1.17E-02	0|0	Cs6g08680.1	5.38	0	0	2	MASCOT	T	PLEX8	
9.86E-02	0|0	Cs6g08680.1	8.72	0	0	2	MASCOT	T	PLEX8	
5.10E-01	0|0	Cs6g08680.1	8.76	0	0	2	MASCOT	T	PLEX8	
3.91E-03	0|0	Cs6g08680.1	8.76	0	0	2	MASCOT	T	PLEX8	
4.12E-03	0|0	Cs6g08680.1	8.76	0	0	2	MASCOT	T		
6.75E-03	0|0	Cs6g08680.1	7.94	0	0	2	MASCOT	T	PLEX8	
4.35E-02	0|0	Cs6g08680.1	7.94	0	0	2	MASCOT	T	PLEX8	
1.36E-01	0|0	Cs6g08680.1	8.41	0	0	2	MASCOT	T	PLEX8	
1.56E-01	0|0	Cs6g08680.1	8.41	0	0	2	MASCOT	T	PLEX8	
3.31E-03	0|0	Cs3g19360.1	4.37	0	0	2	MASCOT	T	PLEX8	
5.28E-04	0|0	Cs3g19360.1	4.37	0	0	2	MASCOT	T	PLEX8	
4.13E-02	0|0	Cs3g19360.1	4.37	0	0	2	MASCOT	T	PLEX8	
5.42E-03	0|0	Cs3g19360.1	5.95	1	0	2	MASCOT	T	PLEX8	
5.76E-01	0|0	Cs3g19360.1	4.53	0	0	2	MASCOT	T	PLEX8	
8.06E-02	0|0	Cs3g19360.1	8.5	0	0	2	MASCOT	T	PLEX8	
2.23E-01	0|0	Cs3g19360.1	8.5	0	0	2	MASCOT	T	PLEX8	
3.46E-03	0|0	Cs3g19360.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.97E-03	0|0	Cs3g19360.1	4.53	0	0	2	MASCOT	T	PLEX8	
7.45E-04	0|0	Cs3g19360.1	4.53	0	0	2	MASCOT	T	PLEX8	
9.59E-05	0|0	Cs3g19360.1	4.53	0	0	2	MASCOT	T	PLEX8	
4.62E-02	0|0	Cs3g19360.1	4.53	0	0	2	MASCOT	T	PLEX8	

3.65E-01	0|0	Cs3g19360.1	6.85	0	0	2	MASCOT	T	PLEX8	
8.22E-03	0|0	Cs3g19360.1	5.32	0	0	2	MASCOT	T	PLEX8	
2.13E-01	0|0	Cs3g19360.1	5.32	0	0	2	MASCOT	T	PLEX8	
1.47E-02	0|0	Cs3g19360.1	5.32	0	0	2	MASCOT	T	PLEX8	
8.93E-03	0|0	Cs3g19360.1	5.32	0	0	2	MASCOT	T	PLEX8	
6.76E-02	0|0	Cs3g19360.1	5.32	0	0	2	MASCOT	T	PLEX8	
1.91E-02	0|0	Cs7g09280.1	8.75	1	0	2	MASCOT	T	PLEX8	
5.00E-03	0|0	Cs7g09280.1	5.4	0	0	2	MASCOT	T	PLEX8	
2.33E-03	0|0	Cs7g09280.1	5.4	0	0	2	MASCOT	T	PLEX8	
2.75E-02	0|0	Cs7g09280.1	5.4	0	0	2	MASCOT	T		
2.92E-04	0|0	Cs7g09280.1	5.4	0	0	2	MASCOT	T		
8.88E-02	0|0	Cs7g09280.1 ! Cs7g17	8.73	0	0	2	MASCOT	T	PLEX8	
1.21E-02	0|0	Cs7g09280.1 ! Cs7g17	8.73	0	0	2	MASCOT	T	PLEX8	
1.15E-01	0|0	Cs7g09280.1 ! Cs7g17	8.73	0	0	2	MASCOT	T	PLEX8	
3.40E-03	0|0	Cs7g09280.1 ! Cs7g17	8.73	0	0	2	MASCOT	T	PLEX8	
1.44E-04	0|0	Cs7g09280.1	5.32	0	0	2	MASCOT	T	PLEX8	
1.34E-02	0|0	Cs7g09280.1	5.32	0	0	2	MASCOT	T	PLEX8	
9.12E-03	0|0	Cs7g09280.1	5.32	0	0	2	MASCOT	T		
3.65E-04	0|0	Cs7g09280.1	5.32	0	0	2	MASCOT	T		
5.01E-03	0|0	Cs7g09280.1	8.76	0	0	2	MASCOT	T	PLEX8	
2.19E-01	0|0	Cs7g09280.1/Cs7g170	9.75	0	0	2	MASCOT	T	PLEX8	
3.06E-01	0|0	Cs7g09280.1/Cs7g170	9.75	0	0	2	MASCOT	T		
6.43E-04	0|0	Cs7g09280.1	4.37	0	0	2	MASCOT	T		
4.65E-02	0|0	Cs7g09280.1	4.37	0	0	2	MASCOT	T		
1.67E-01	0|0	Cs5g28200.1/Cs5g282	4.53	0	0	2	MASCOT	T	PLEX8	
4.66E-02	0|0	Cs5g28200.1/Cs5g282	6.74	0	0	2	MASCOT	T	PLEX8	
1.13E-01	0|0	Cs5g28200.1/Cs5g282	6.74	0	0	2	MASCOT	T	PLEX8	
3.28E-03	0|0	Cs8g07030.1	3.93	0	0	2	MASCOT	T	PLEX8	
3.04E-03	0|0	Cs8g07030.1	3.93	0	0	2	MASCOT	T	PLEX8	
2.53E-01	0|0	Cs8g07030.1	3.93	0	0	2	MASCOT	T	PLEX8	
2.56E-01	0|0	Cs8g07030.1	3.93	0	0	2	MASCOT	T	PLEX8	
4.37E-03	0|0	Cs8g07030.1	3.93	0	0	2	MASCOT	T	PLEX8	
6.37E-03	0|0	Cs5g28200.1/Cs5g282	5.4	0	15.9	0	2	MASCOT	T	PLEX8
1.81E-02	0|0	Cs5g28200.1/Cs5g282	5.4	0	15.9	0	2	MASCOT	T	PLEX8
3.49E-01	0|0	Cs5g28200.1/Cs5g282	5.4	0	0	2	MASCOT	T	PLEX8	
3.90E-03	0|0	Cs5g28200.1/Cs5g282	5.4	0	0	2	MASCOT	T	PLEX8	
9.18E-04	0|0	Cs5g28200.1/Cs5g282	5.83	0	0	2	MASCOT	T	PLEX8	
3.13E-01	0|0	Cs8g07020.1/Cs8g070	5.97	0	0	2	MASCOT	T	PLEX8	
1.02E-01	0|0	Cs5g28200.1/Cs5g282	5.4	0	0	2	MASCOT	T	PLEX8	
9.83E-03	0|0	Cs5g28200.1/Cs5g282	5.4	0	0	2	MASCOT	T	PLEX8	
1.15E-02	0|0	Cs5g28200.1/Cs5g282	5.4	0	0	2	MASCOT	T	PLEX8	
2.57E-01	0|0	Cs5g28200.1/Cs5g282	5.4	0	0	2	MASCOT	T	PLEX8	
1.27E-01	0|0	orange1.1t01931.1	5.88	0	0	2	MASCOT	T	PLEX8	
2.21E-02	0|0	orange1.1t01931.1	5.88	0	0	2	MASCOT	T	PLEX8	
2.70E-03	0|0	orange1.1t01931.1	5.88	0	0	2	MASCOT	T	PLEX8	
3.25E-03	0|0	orange1.1t01931.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.08E-02	0|0	orange1.1t01931.1	4.53	0	0	2	MASCOT	T		
7.48E-02	0|0	orange1.1t01931.1	6	0	0	2	MASCOT	T	PLEX8	
4.39E-02	0|0	orange1.1t01931.1	6	0	0	2	MASCOT	T		
2.16E-03	0|0	orange1.1t01931.1	5.21	0	0	2	MASCOT	T	PLEX8	
6.69E-04	0|0	orange1.1t01931.1	5.21	0	0	2	MASCOT	T	PLEX8	

5.21E-05	0|0	orange1.1t01931.1	5.21	0	0	2	MASCOT	T	PLEX8	
1.12E-03	0|0	orange1.1t01931.1	5.21	0	0	2	MASCOT	T	PLEX8	
2.62E-08	0|0	orange1.1t01931.1	5.21	0	0	2	MASCOT	T	PLEX8	
1.15E-02	0|0	orange1.1t01931.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.70E-05	0|0	orange1.1t01931.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.12E-02	0|0	orange1.1t01931.1	5.5	0	0	2	MASCOT	T	PLEX8	
4.76E-04	0|0	orange1.1t01931.1	6.83	0	0	2	MASCOT	T	PLEX8	
4.32E-01	0|0	orange1.1t01931.1	6.83	0	0	2	MASCOT	T	PLEX8	
1.21E-01	0|0	orange1.1t01931.1	6.83	0	0	2	MASCOT	T	PLEX8	
1.11E-01	0|0	orange1.1t03063.1	4.53	0	0	2	MASCOT	T	PLEX8	
2.40E-01	0|0	orange1.1t03063.1	4.53	0	0	2	MASCOT	T	PLEX8	
2.18E-01	0|0	orange1.1t03063.1	9.76	0	0	2	MASCOT	T	PLEX8	
2.74E-02	0|0	orange1.1t03063.1	8.72	0	0	2	MASCOT	T	PLEX8	
3.71E-02	0|0	orange1.1t03063.1	8.72	0	0	2	MASCOT	T	PLEX8	
3.85E-02	0|0	orange1.1t03063.1	8.72	0	0	2	MASCOT	T	PLEX8	
2.30E-03	0|0	orange1.1t03063.1	4.14	0	0	2	MASCOT	T	PLEX8	
7.09E-03	0|0	orange1.1t03063.1	4.14	0	0	2	MASCOT	T	PLEX8	
2.70E-02	0|0	orange1.1t03063.1	4.14	0	0	2	MASCOT	T	PLEX8	
1.94E-01	0|0	orange1.1t03063.1	6	0	15.9	0	2	MASCOT	T	PLEX8
6.80E-03	0|0	orange1.1t03063.1	8.52	0	15.9	0	2	MASCOT	T	PLEX8
4.42E-02	0|0	orange1.1t03063.1	8.52	0	15.9	0	2	MASCOT	T	PLEX8
1.15E-01	0|0	orange1.1t03063.1	8.52	0	15.9	0	2	MASCOT	T	PLEX8
1.62E-01	0|0	orange1.1t03063.1	8.52	0	15.9	0	2	MASCOT	T	PLEX8
4.29E-02	0|0	orange1.1t03063.1	8.52	0	15.9	0	2	MASCOT	T	PLEX8
1.45E-02	0|0	orange1.1t03063.1	8.52	0	0	2	MASCOT	T	PLEX8	
3.21E-03	0|0	orange1.1t03063.1	6	0	0	2	MASCOT	T	PLEX8	
4.92E-02	0|0	orange1.1t03063.1	6	0	0	2	MASCOT	T	PLEX8	
3.67E-05	0|0	Cs4g08130.1	6.05	0	0	2	MASCOT	T	PLEX8	
3.12E-03	0|0	Cs4g08130.1	4.25	0	0	2	MASCOT	T	PLEX8	
2.80E-01	0|0	Cs4g08130.1	4.25	0	0	2	MASCOT	T	PLEX8	
7.70E-02	0|0	Cs4g08130.1	4.03	0	0	2	MASCOT	T	PLEX8	
7.64E-05	0|0	Cs4g08130.1	4.03	0	0	2	MASCOT	T	PLEX8	
2.26E-01	0|0	Cs4g08130.1	4.03	0	0	2	MASCOT	T	PLEX8	
6.28E-02	0|0	Cs4g08130.1	5.97	0	0	2	MASCOT	T	PLEX8	
2.03E-02	0|0	Cs4g08130.1	5.97	0	0	2	MASCOT	T	PLEX8	
1.52E-03	0|0	Cs4g08130.1	5.97	0	0	2	MASCOT	T	PLEX8	
3.22E-02	0|0	Cs4g08130.1	6	0	0	2	MASCOT	T	PLEX8	
1.66E-01	0|0	Cs4g08130.1	6	0	0	2	MASCOT	T	PLEX8	
4.80E-03	0|0	Cs4g08130.1	6	0	0	2	MASCOT	T	PLEX8	
5.28E-02	0|0	Cs4g08130.1	6	0	0	2	MASCOT	T	PLEX8	
9.08E-02	0|0	Cs4g08130.1	4.21	0	0	2	MASCOT	T	PLEX8	
1.28E-01	0|0	Cs4g08130.1	4.21	0	0	2	MASCOT	T	PLEX8	
1.10E-01	0|0	Cs4g08130.1	4.21	0	0	2	MASCOT	T	PLEX8	
1.32E-02	0|0	Cs4g08130.1	8.75	0	0	2	MASCOT	T	PLEX8	
6.78E-03	0|0	Cs6g09150.1/Cs6g091	4.09	0	0	2	MASCOT	T	PLEX8	
6.56E-03	0|0	Cs6g09150.1/Cs6g091	4.09	0	0	2	MASCOT	T	PLEX8	
6.65E-02	0|0	Cs7g30630.1	6	0	0	2	MASCOT	T	PLEX8	
6.32E-02	0|0	Cs7g30630.1	6	0	0	2	MASCOT	T	PLEX8	
4.36E-02	0|0	Cs7g30630.1	6	0	0	2	MASCOT	T	PLEX8	
2.16E-01	0|0	Cs7g30630.1	6	0	15.9	0	2	MASCOT	T	PLEX8
1.06E-01	0|0	Cs7g30630.1	6	0	0	2	MASCOT	T	PLEX8	

2.20E-01	0|0	Cs7g30630.1	6	0	0	2	MASCOT	T	PLEX8	
2.01E-02	0|0	Cs7g30630.1	4.65	0	15.9	0	2	MASCOT	T	PLEX8
7.99E-03	0|0	Cs7g30630.1	4.65	0	15.9	0	2	MASCOT	T	
1.09E-04	0|0	Cs7g30630.1	4.65	0	15.9	0	2	MASCOT	T	PLEX8
5.94E-04	0|0	Cs7g30630.1	4.53	0	0	0	2	MASCOT	T	
4.91E-01	0|0	Cs7g30630.1	5.84	0	0	0	2	MASCOT	T	PLEX8
1.62E-01	0|0	Cs7g30630.1	5.84	0	0	0	2	MASCOT	T	PLEX8
2.78E-01	0|0	Cs5g28600.1/Cs5g286	8.76	0	0	0	2	MASCOT	T	PLEX8
1.32E-01	0|0	Cs5g28600.1/Cs5g286	8.76	0	0	0	2	MASCOT	T	
2.23E-01	0|0	Cs5g28600.1/Cs5g286	8.76	0	0	0	2	MASCOT	T	PLEX8
3.34E-03	0|0	orange1.1t03081.1/ora	4.53	0	15.9	0	2	MASCOT	T	
6.53E-02	0|0	orange1.1t03078.1/ora	4.68	1	0	0	2	MASCOT	T	PLEX8
6.09E-03	0|0	orange1.1t03081.1/ora	4.25	0	0	0	2	MASCOT	T	PLEX8
4.18E-01	0|0	orange1.1t03081.1/ora	4.25	0	0	0	2	MASCOT	T	PLEX8
4.47E-02	0|0	orange1.1t03078.1/ora	6.84	0	0	0	2	MASCOT	T	
2.17E-03	0|0	orange1.1t03078.1/ora	6.84	0	0	0	2	MASCOT	T	
4.98E-02	0|0	orange1.1t03078.1/ora	6.84	0	0	0	2	MASCOT	T	
3.33E-02	0|0	orange1.1t03078.1/ora	6.84	0	0	0	2	MASCOT	T	PLEX8
1.58E-03	0|0	orange1.1t03078.2/ora	4.03	0	0	0	2	MASCOT	T	PLEX8
7.98E-02	0|0	orange1.1t03078.2/ora	4.03	0	0	0	2	MASCOT	T	PLEX8
2.17E-02	0|0	orange1.1t03078.2/ora	4.03	0	0	0	2	MASCOT	T	PLEX8
1.42E-03	0|0	orange1.1t03078.2/ora	4.03	0	0	0	2	MASCOT	T	
2.79E-03	0|0	orange1.1t03078.2/ora	4.03	0	0	0	2	MASCOT	T	
1.19E-02	0|0	orange1.1t03078.1/ora	4.37	0	15.9	0	2	MASCOT	T	
2.56E-03	0|0	orange1.1t03078.1/ora	4.37	0	0	0	2	MASCOT	T	
1.14E-01	0|0	orange1.1t03078.1/ora	6.71	0	0	0	2	MASCOT	T	PLEX8
5.39E-02	0|0	orange1.1t03078.1/ora	6.71	0	0	0	2	MASCOT	T	PLEX8
3.00E-03	0|0	Cs2g21190.1/Cs2g211	4.03	0	0	0	2	MASCOT	T	
8.31E-03	0|0	Cs2g21190.1/Cs2g211	4.25	0	0	0	2	MASCOT	T	PLEX8
3.17E-03	0|0	Cs2g21190.1/Cs2g211	4.25	0	0	0	2	MASCOT	T	PLEX8
9.19E-03	0|0	Cs2g21190.1/Cs2g211	9.75	0	0	0	2	MASCOT	T	PLEX8
1.29E-01	0|0	Cs2g21190.1/Cs2g211	8.75	0	15.9	0	2	MASCOT	T	PLEX8
6.16E-02	0|0	Cs2g21190.1/Cs2g211	8.75	0	15.9	0	2	MASCOT	T	PLEX8
1.83E-01	0|0	Cs2g21190.1/Cs2g211	8.75	0	0	0	2	MASCOT	T	PLEX8
5.81E-02	0|0	Cs2g21190.1/Cs2g211	4.53	0	0	0	2	MASCOT	T	PLEX8
2.75E-05	0|0	Cs2g21190.1/Cs2g211	4.53	0	0	0	2	MASCOT	T	PLEX8
2.84E-02	0|0	Cs2g21190.1/Cs2g211	4.53	0	0	0	2	MASCOT	T	PLEX8
4.85E-02	0|0	Cs2g21190.1/Cs2g211	4.53	0	0	0	2	MASCOT	T	PLEX8
7.36E-03	0|0	Cs2g21190.1/Cs2g211	4.53	0	0	0	2	MASCOT	T	PLEX8
3.07E-07	0|0	Cs2g21190.1/Cs2g211	4.53	0	0	0	2	MASCOT	T	PLEX8
5.04E-07	0|0	Cs2g21190.1/Cs2g211	4.53	0	0	0	2	MASCOT	T	PLEX8
8.07E-02	0|0	Cs2g21190.1/Cs2g211	4.53	0	0	0	2	MASCOT	T	PLEX8
3.96E-02	0|0	Cs2g21190.1/Cs2g211	4.53	0	0	0	2	MASCOT	T	PLEX8
3.96E-02	0|0	Cs3g07810.1	4.14	0	0	0	2	MASCOT	T	PLEX8
9.84E-02	0|0	Cs3g07810.1/Cs3g078	6	0	0	0	2	MASCOT	T	PLEX8
8.09E-02	0|0	Cs3g07810.1/Cs3g078	5.32	0	0	0	2	MASCOT	T	PLEX8
2.00E-03	0|0	Cs3g07810.1/Cs3g078	5.32	0	0	0	2	MASCOT	T	PLEX8
1.06E-03	0|0	Cs3g07810.1/Cs3g078	5.32	0	0	0	2	MASCOT	T	PLEX8
7.01E-02	0|0	Cs3g07810.1/Cs3g078	5.32	0	0	0	2	MASCOT	T	PLEX8
2.03E-01	0|0	Cs3g07810.1/Cs3g078	5.32	0	0	0	2	MASCOT	T	
4.66E-04	0|0	Cs3g07810.1/Cs3g078	5.32	0	0	0	2	MASCOT	T	

5.99E-02	0|0	Cs3g07810.1/Cs3g078	8.75	0	0	2	MASCOT	T	PLEX8	
7.49E-02	0|0	Cs3g07810.1/Cs3g078	8.75	0	0	2	MASCOT	T	PLEX8	
1.06E-02	0|0	Cs3g07810.1/Cs3g078	4.4	0	0	2	MASCOT	T	PLEX8	
1.14E-01	0|0	Cs3g07810.1/Cs3g078	4.4	0	0	2	MASCOT	T	PLEX8	
6.24E-03	0|0	Cs3g07810.1	4.41	0	0	2	MASCOT	T	PLEX8	
1.54E-03	0|0	Cs3g07810.1	4.41	0	0	2	MASCOT	T	PLEX8	
3.36E-01	0|0	Cs3g07810.1	4.41	0	0	2	MASCOT	T	PLEX8	
3.72E-03	0|0	Cs3g07810.1	3.77	0	0	2	MASCOT	T	PLEX8	
1.85E-02	0|0	Cs5g17500.1	4.37	0	15.9	0	2	MASCOT	T	
1.81E-01	0|0	Cs5g17500.1	4.37	0	0	2	MASCOT	T		
2.08E-01	0|0	Cs5g17500.1	5.99	0	0	2	MASCOT	T	PLEX8	
5.44E-02	0|0	Cs5g17500.1	8.75	0	0	2	MASCOT	T	PLEX8	
5.87E-03	0|0	Cs5g17500.1	8.75	0	0	2	MASCOT	T	PLEX8	
3.24E-01	0|0	Cs5g17500.1	6.74	0	0	2	MASCOT	T	PLEX8	
3.91E-01	0|0	Cs5g17500.1	4.53	0	0	2	MASCOT	T	PLEX8	
9.35E-02	0|0	Cs5g17500.1	4.53	0	0	2	MASCOT	T	PLEX8	
5.09E-02	0|0	Cs5g17500.1	4.53	0	0	2	MASCOT	T	PLEX8	
2.23E-02	0|0	Cs5g17500.1	8.75	1	0	2	MASCOT	T	PLEX8	
8.10E-03	0|0	Cs5g17500.1	8.47	0	0	2	MASCOT	T	PLEX8	
5.46E-03	0|0	Cs5g17500.1	8.47	0	0	2	MASCOT	T	PLEX8	
8.58E-02	0|0	Cs5g17500.1	8.47	0	0	2	MASCOT	T	PLEX8	
3.10E-03	0|0	Cs5g17500.1	8.47	0	0	2	MASCOT	T	PLEX8	
8.85E-02	0|0	Cs5g17500.1	8.47	0	0	2	MASCOT	T	PLEX8	
2.57E-01	0|0	Cs5g26700.1/Cs5g267	8.63	0	0	2	MASCOT	T	PLEX8	
4.48E-02	0|0	Cs5g26700.1/Cs5g267	8.63	0	0	2	MASCOT	T	PLEX8	
1.82E-02	0|0	Cs5g26700.1/Cs5g267	8.63	0	0	2	MASCOT	T	PLEX8	
1.32E-02	0|0	Cs5g26700.1/Cs5g267	8.63	0	0	2	MASCOT	T		
1.96E-02	0|0	Cs5g26700.1/Cs5g267	8.63	0	0	2	MASCOT	T	PLEX8	
7.93E-03	0|0	Cs5g26700.1/Cs5g267	5.84	0	0	2	MASCOT	T	PLEX8	
6.31E-03	0|0	Cs5g26700.1/Cs5g267	6.75	0	0	2	MASCOT	T		
2.82E-02	0|0	Cs5g26700.1/Cs5g267	4.37	0	0	2	MASCOT	T	PLEX8	
3.03E-01	0|0	Cs5g26700.1/Cs5g267	8.63	0	0	2	MASCOT	T	PLEX8	
3.42E-03	0|0	Cs5g26700.1/Cs5g267	4.54	0	0	2	MASCOT	T	PLEX8	
2.24E-02	0|0	Cs5g26700.1/Cs5g267	4.54	0	0	2	MASCOT	T	PLEX8	
2.38E-02	0|0	Cs5g26700.1/Cs5g267	8.75	0	0	2	MASCOT	T	PLEX8	
1.21E-01	0|0	Cs5g26700.1/Cs5g267	8.75	0	0	2	MASCOT	T	PLEX8	
8.16E-02	0|0	Cs5g26700.1/Cs5g267	8.75	0	0	2	MASCOT	T	PLEX8	
9.48E-03	0|0	Cs5g26700.1/Cs5g267	8.75	0	0	2	MASCOT	T	PLEX8	
1.58E-03	0|0	Cs6g14580.1	5.75	0	0	2	MASCOT	T	PLEX8	
2.83E-02	0|0	Cs6g14580.1	5.75	0	0	2	MASCOT	T	PLEX8	
2.44E-01	0|0	Cs6g14580.1	8.59	0	0	2	MASCOT	T	PLEX8	
4.76E-02	0|0	Cs6g14580.1	4.37	0	15.9	0	2	MASCOT	T	PLEX8
1.32E-01	0|0	Cs6g14580.1	4.37	0	0	2	MASCOT	T	PLEX8	
2.26E-04	0|0	Cs6g14580.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.75E-02	0|0	Cs6g14580.1	4.37	0	0	2	MASCOT	T	PLEX8	
7.91E-03	0|0	Cs6g14580.1	4.25	0	0	2	MASCOT	T	PLEX8	
5.56E-02	0|0	Cs6g14580.1	8.75	1	0	2	MASCOT	T		
7.64E-02	0|0	Cs6g14580.1	8.75	1	0	2	MASCOT	T		
3.68E-03	0|0	Cs6g14580.1	4.79	1	0	2	MASCOT	T	PLEX8	
1.28E-02	0|0	Cs6g14580.1	4.79	1	0	2	MASCOT	T		
6.82E-02	0|0	Cs6g14580.1	4.79	1	0	2	MASCOT	T	PLEX8	

1.21E-03	0|0	Cs6g14580.1	4.79	1	0	2	MASCOT	T	PLEX8
4.86E-02	0|0	Cs6g14580.1	5.5	0	0	2	MASCOT	T	PLEX8
1.54E-01	0|0	Cs7g01170.1/Cs7g011	5.21	0	0	2	MASCOT	T	PLEX8
1.12E-02	0|0	Cs7g01170.1/Cs7g011	5.21	0	0	2	MASCOT	T	PLEX8
2.63E-02	0|0	Cs7g01170.1/Cs7g011	6	0	0	2	MASCOT	T	PLEX8
2.13E-01	0|0	Cs7g01170.1/Cs7g011	4.37	0	0	2	MASCOT	T	PLEX8
1.88E-03	0|0	Cs7g01170.1/Cs7g011	4.37	0	0	2	MASCOT	T	PLEX8
3.38E-03	0|0	Cs7g01170.1/Cs7g011	4.37	0	0	2	MASCOT	T	PLEX8
7.18E-04	0|0	Cs7g01170.1/Cs7g011	4	0	0	2	MASCOT	T	PLEX8
4.02E-03	0|0	Cs7g01170.1/Cs7g011	9.73	0	0	2	MASCOT	T	PLEX8
2.58E-04	0|0	Cs7g01170.1/Cs7g011	9.73	0	0	2	MASCOT	T	PLEX8
1.98E-02	0|0	Cs7g01170.1/Cs7g011	9.73	0	0	2	MASCOT	T	PLEX8
7.49E-03	0|0	Cs7g01170.1/Cs7g011	5.88	0	0	2	MASCOT	T	PLEX8
2.93E-02	0|0	Cs7g01170.1/Cs7g011	5.88	0	0	2	MASCOT	T	PLEX8
1.49E-01	0|0	Cs7g01170.1/Cs7g011	5.99	0	0	2	MASCOT	T	PLEX8
1.42E-01	0|0	Cs7g01170.1/Cs7g011	5.99	0	0	2	MASCOT	T	PLEX8
2.16E-01	0|0	Cs7g01170.1/Cs7g011	5.99	0	0	2	MASCOT	T	PLEX8
1.32E-03	0|0	Cs7g02150.1/Cs7g021	5.4	0	0	2	MASCOT	T	PLEX8
2.19E-03	0|0	Cs7g02150.1/Cs7g021	5.4	0	0	2	MASCOT	T	PLEX8
1.17E-05	0|0	Cs7g02150.1/Cs7g021	5.4	0	0	2	MASCOT	T	PLEX8
1.07E-01	0|0	Cs7g02150.1/Cs7g021	4.37	0	0	2	MASCOT	T	PLEX8
1.71E-01	0|0	Cs7g02150.1/Cs7g021	5.84	0 15.9	0	2	MASCOT	T	PLEX8
5.05E-02	0|0	Cs7g02150.1/Cs7g021	5.84	0	0	2	MASCOT	T	PLEX8
4.66E-04	0|0	Cs7g02150.1/Cs7g021	3.84	0	0	2	MASCOT	T	PLEX8
6.69E-02	0|0	Cs7g02150.1/Cs7g021	8.41	0	0	2	MASCOT	T	PLEX8
2.42E-01	0|0	Cs7g02150.1/Cs7g021	8.44	0	0	2	MASCOT	T	PLEX8
2.96E-01	0|0	Cs7g02150.1/Cs7g021	8.44	0	0	2	MASCOT	T	PLEX8
4.27E-01	0|0	Cs7g02150.1/Cs7g021	8.44	0	0	2	MASCOT	T	PLEX8
2.66E-01	0|0	Cs7g02150.1/Cs7g021	8.44	0	0	2	MASCOT	T	PLEX8
1.10E-02	0|0	Cs7g02150.1/Cs7g021	5.97	0	0	2	MASCOT	T	PLEX8
1.93E-02	0|0	Cs7g02150.1/Cs7g021	5.97	0	0	2	MASCOT	T	PLEX8
1.31E-01	0|0	Cs7g02150.1/Cs7g021	5.97	0	0	2	MASCOT	T	PLEX8
1.76E-01	0|0	Cs7g04270.1/Cs7g042	6.05	0	0	2	MASCOT	T	PLEX8
7.87E-03	0|0	Cs7g04270.1/Cs7g042	6.05	0	0	2	MASCOT	T	PLEX8
3.85E-02	0|0	Cs7g04270.1/Cs7g042	6.05	0	0	2	MASCOT	T	PLEX8
9.53E-02	0|0	Cs7g04270.1/Cs7g042	6.05	0	0	2	MASCOT	T	PLEX8
1.50E-02	0|0	Cs7g04270.1/Cs7g042	6.05	0	0	2	MASCOT	T	PLEX8
4.49E-02	0|0	Cs7g04270.1/Cs7g042	5.55	0	0	2	MASCOT	T	PLEX8
7.51E-04	0|0	Cs7g04270.1/Cs7g042	5.32	0	0	2	MASCOT	T	PLEX8
3.37E-03	0|0	Cs7g04270.1/Cs7g042	5.32	0	0	2	MASCOT	T	PLEX8
1.04E-02	0|0	Cs7g04270.1/Cs7g042	4.65	0	0	2	MASCOT	T	PLEX8
2.38E-01	0|0	Cs7g04270.1/Cs7g042	4.37	0	0	2	MASCOT	T	PLEX8
1.81E-03	0|0	Cs7g04270.1/Cs7g042	4.37	0	0	2	MASCOT	T	PLEX8
2.36E-02	0|0	Cs7g04270.1/Cs7g042	4.53	0	0	2	MASCOT	T	PLEX8
1.18E-01	0|0	Cs7g04270.1/Cs7g042	4.53	0	0	2	MASCOT	T	PLEX8
2.13E-02	0|0	Cs7g04270.1/Cs7g042	4.53	0	0	2	MASCOT	T	PLEX8
2.17E-03	0|0	Cs7g04270.1/Cs7g042	8.48	0	0	2	MASCOT	T	PLEX8
3.51E-01	0|0	Cs1g03890.1 ! Cs4g15	5.88	0	0	2	MASCOT	T	PLEX8
1.96E-03	0|0	Cs1g03890.1 ! Cs4g15	5.88	0	0	2	MASCOT	T	PLEX8
1.88E-02	0|0	Cs1g03890.1 ! Cs4g15	5.88	0	0	2	MASCOT	T	PLEX8
8.33E-04	0|0	Cs8g06510.1	4.25	0	0	2	MASCOT	T	PLEX8

1.07E-06	0|0	Cs8g06510.1	4.25	0	0	2	MASCOT	T	PLEX8	
1.14E-02	0|0	Cs4g15940.1/Cs4g159	4.14	0	0	2	MASCOT	T	PLEX8	
1.19E-02	0|0	Cs8g06510.1	4.21	0	0	2	MASCOT	T	PLEX8	
9.41E-04	0|0	Cs8g06510.1	8.26	0	0	2	MASCOT	T	PLEX8	
6.12E-02	0|0	Cs8g06510.1	8.26	0	0	2	MASCOT	T	PLEX8	
4.56E-04	0|0	Cs4g15940.1/Cs4g159	5.81	0	0	2	MASCOT	T	PLEX8	
6.32E-03	0|0	Cs4g15940.1/Cs4g159	5.81	0	0	2	MASCOT	T	PLEX8	
2.33E-02	0|0	Cs4g15940.1/Cs4g159	5.81	0	0	2	MASCOT	T	PLEX8	
8.73E-03	0|0	Cs1g03890.1 ! Cs3g22	6	0	0	2	MASCOT	T	PLEX8	
3.44E-02	0|0	Cs1g03890.1 ! Cs3g22	6	0	0	2	MASCOT	T	PLEX8	
1.23E-01	0|0	Cs1g03890.1 ! Cs3g22	6	0	0	2	MASCOT	T	PLEX8	
2.03E-01	0|0	orange1.1t03431.1/ora	5.38	0	0	2	MASCOT	T	PLEX8	
3.73E-02	0|0	orange1.1t03431.1/ora	5.38	0	0	2	MASCOT	T		
2.04E-01	0|0	orange1.1t03431.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
6.75E-02	0|0	orange1.1t03431.1/ora	5.55	0	0	2	MASCOT	T	PLEX8	
2.65E-03	0|0	orange1.1t03431.1/ora	5.55	0	0	2	MASCOT	T	PLEX8	
5.34E-04	0|0	orange1.1t03431.1/ora	5.55	0	0	2	MASCOT	T	PLEX8	
1.71E-01	0|0	orange1.1t03431.1/ora	5.55	0	0	2	MASCOT	T	PLEX8	
1.41E-04	0|0	orange1.1t03431.1/ora	5.55	0	0	2	MASCOT	T	PLEX8	
7.04E-03	0|0	orange1.1t03431.1/ora	5.55	0	0	2	MASCOT	T	PLEX8	
1.81E-01	0|0	orange1.1t03431.1/ora	8.75	0	0	2	MASCOT	T	PLEX8	
1.32E-03	0|0	orange1.1t03431.1/ora	4.09	0	0	2	MASCOT	T	PLEX8	
6.63E-05	0|0	orange1.1t03431.1/ora	4.09	0	0	2	MASCOT	T	PLEX8	
3.00E-02	0|0	orange1.1t03431.1/ora	4.53	0	0	2	MASCOT	T	PLEX8	
1.53E-02	0|0	orange1.1t03431.1/ora	4.53	0	0	2	MASCOT	T	PLEX8	
2.37E-01	0|0	orange1.1t03431.1/ora	6	0	0	2	MASCOT	T	PLEX8	
2.75E-04	0|0	Cs2g29250.1/Cs2g292	6.79	0	0	2	MASCOT	T	PLEX8	
2.49E-03	0|0	Cs2g29250.1/Cs2g292	6.79	0	0	2	MASCOT	T	PLEX8	
1.03E-02	0|0	Cs2g29250.1/Cs2g292	6.79	0	0	2	MASCOT	T		
1.59E-03	0|0	Cs2g29250.1/Cs2g292	4.14	0	0	2	MASCOT	T		
1.35E-02	0|0	Cs2g29250.1/Cs2g292	5.4	0	0	2	MASCOT	T	PLEX8	
5.46E-02	0|0	Cs2g29250.1/Cs2g292	5.4	0	0	2	MASCOT	T	PLEX8	
2.30E-01	0|0	Cs2g29250.1/Cs2g292	5.4	0	0	2	MASCOT	T	PLEX8	
2.94E-02	0|0	Cs2g29250.1/Cs2g292	7.98	0	15.9	0	2	MASCOT	T	PLEX8
1.87E-02	0|0	Cs2g29250.1/Cs2g292	7.98	0	0	2	MASCOT	T	PLEX8	
1.25E-02	0|0	Cs2g29250.1/Cs2g292	6	0	0	2	MASCOT	T		
1.31E-02	0|0	Cs2g29250.1/Cs2g292	8.64	0	0	2	MASCOT	T	PLEX8	
5.32E-02	0|0	Cs2g29250.1/Cs2g292	8.76	0	0	2	MASCOT	T	PLEX8	
2.03E-01	0|0	Cs2g29250.1/Cs2g292	8.76	0	0	2	MASCOT	T	PLEX8	
2.85E-01	0|0	Cs2g29250.1/Cs2g292	8.76	0	0	2	MASCOT	T		
1.97E-01	0|0	Cs4g18980.1/Cs4g189	4.53	0	0	2	MASCOT	T	PLEX8	
1.88E-01	0|0	Cs1g15970.1/Cs4g130	4.21	0	0	2	MASCOT	T		
1.67E-02	0|0	Cs1g15970.1/Cs4g130	4.21	0	0	2	MASCOT	T		
2.38E-04	0|0	Cs1g15970.1/Cs4g189	4.14	0	0	2	MASCOT	T		
5.99E-04	0|0	Cs1g15970.1/Cs4g189	4.14	0	0	2	MASCOT	T		
3.11E-06	0|0	Cs1g15970.1/Cs4g189	4.14	0	0	2	MASCOT	T		
2.93E-08	0|0	Cs1g15970.1/Cs4g189	4.14	0	0	2	MASCOT	T		
4.08E-02	0|0	Cs1g15970.1/Cs1g202	5.84	0	0	2	MASCOT	T		
4.22E-03	0|0	Cs4g13070.1/Cs4g130	5.84	0	0	2	MASCOT	T	PLEX8	
3.43E-05	0|0	Cs4g13070.1/Cs4g130	5.84	0	0	2	MASCOT	T	PLEX8	
4.35E-01	0|0	Cs4g13070.1/Cs4g130	5.84	0	0	2	MASCOT	T	PLEX8	

1.56E-01	0|0	Cs4g13070.1/Cs4g130	9.76	0	0	2	MASCOT	T	PLEX8
1.81E-01	0|0	Cs4g13070.1/Cs4g130	9.76	0	0	2	MASCOT	T	PLEX8
6.21E-03	0|0	Cs4g18980.1	5.84	0	0	2	MASCOT	T	PLEX8
2.08E-01	0|0	Cs6g11970.1/Cs6g119	8.75	0	0	2	MASCOT	T	PLEX8
3.47E-03	0|0	Cs6g11970.1/Cs6g119	5.63	1	0	2	MASCOT	T	PLEX8
3.56E-04	0|0	Cs6g11970.1/Cs6g119	4.48	0	0	2	MASCOT	T	PLEX8
4.48E-08	0|0	Cs6g11970.1/Cs6g119	4.48	0	0	2	MASCOT	T	PLEX8
2.06E-02	0|0	Cs6g11970.1/Cs6g119	4.48	0	0	2	MASCOT	T	PLEX8
3.09E-02	0|0	Cs6g11970.1/Cs6g119	4.48	0	0	2	MASCOT	T	PLEX8
1.70E-06	0|0	Cs6g11970.1/Cs6g119	4.48	0	0	2	MASCOT	T	
6.66E-07	0|0	Cs6g11970.1/Cs6g119	4.48	0	0	2	MASCOT	T	
2.01E-01	0|0	Cs6g11970.1/Cs6g119	6	0	0	2	MASCOT	T	PLEX8
2.14E-02	0|0	Cs6g11970.1/Cs6g119	5.99	0	0	2	MASCOT	T	
8.35E-02	0|0	Cs6g11970.1/Cs6g119	6	0	0	2	MASCOT	T	PLEX8
3.02E-03	0|0	Cs6g11970.1/Cs6g119	6	0	0	2	MASCOT	T	PLEX8
3.55E-01	0|0	Cs6g11970.1/Cs6g119	6.72	0	0	2	MASCOT	T	PLEX8
6.02E-02	0|0	Cs6g11970.1/Cs6g119	6.72	0	0	2	MASCOT	T	PLEX8
2.50E-03	0|0	orange1.1t00096.1/ora	6.05	0	0	2	MASCOT	T	PLEX8
1.47E-04	0|0	orange1.1t00096.1/ora	6.05	0	0	2	MASCOT	T	PLEX8
2.72E-02	0|0	orange1.1t00096.1/ora	6.05	0	0	2	MASCOT	T	PLEX8
1.42E-04	0|0	orange1.1t00096.1/ora	6.05	0	0	2	MASCOT	T	PLEX8
3.17E-01	0|0	orange1.1t00096.1/ora	4.21	0	0	2	MASCOT	T	PLEX8
2.14E-02	0|0	orange1.1t00096.1/ora	4.14	0	0	2	MASCOT	T	PLEX8
2.10E-02	0|0	orange1.1t00096.1/ora	4.14	0	0	2	MASCOT	T	
1.12E-01	0|0	orange1.1t00096.1/ora	6.1	0	0	2	MASCOT	T	
8.29E-03	0|0	orange1.1t00096.1/ora	9.76	0	0	2	MASCOT	T	PLEX8
4.98E-02	0|0	orange1.1t00096.1/ora	8.47	0	0	2	MASCOT	T	PLEX8
8.72E-04	0|0	orange1.1t00096.1/ora	8.47	0	0	2	MASCOT	T	PLEX8
4.36E-03	0|0	orange1.1t00096.1/ora	8.47	0	0	2	MASCOT	T	PLEX8
4.45E-02	0|0	orange1.1t00096.1/ora	8.47	0	0	2	MASCOT	T	PLEX8
7.57E-04	0|0	orange1.1t00096.1	5.66	0	0	2	MASCOT	T	PLEX8
2.93E-01	0|0	Cs1g20730.1/Cs4g060	4.25	0	0	2	MASCOT	T	PLEX8
2.95E-04	0|0	orange1.1t00168.1/ora	6.74	0	0	2	MASCOT	T	PLEX8
1.66E-02	0|0	Cs1g20730.1/orange1.	4	0	0	2	MASCOT	T	
2.17E-02	0|0	Cs1g20730.1/orange1.	4	0	0	2	MASCOT	T	
1.17E-04	0|0	Cs1g20730.1/orange1.	4	0	0	2	MASCOT	T	
5.95E-03	0|0	Cs1g20730.1/orange1.	4	0	0	2	MASCOT	T	PLEX8
1.72E-01	0|0	Cs1g20730.1/orange1.	6.1	0	0	2	MASCOT	T	PLEX8
1.19E-01	0|0	Cs1g20730.1/orange1.	6.1	0	0	2	MASCOT	T	PLEX8
2.25E-01	0|0	Cs1g20730.1/orange1.	6	0	0	2	MASCOT	T	PLEX8
1.78E-01	0|0	Cs1g20730.1/Cs4g060	6	0	0	2	MASCOT	T	PLEX8
1.64E-01	0|0	Cs1g20730.1/orange1.	5.66	0	0	2	MASCOT	T	PLEX8
5.40E-02	0|0	Cs1g20730.1/orange1.	5.66	0	0	2	MASCOT	T	PLEX8
2.05E-01	0|0	Cs1g20730.1/orange1.	5.66	0	0	2	MASCOT	T	PLEX8
8.83E-02	0|0	Cs1g20730.1/orange1.	5.66	0	0	2	MASCOT	T	PLEX8
2.00E-02	0|0	Cs1g10630.1/Cs1g106	6.1	0	0	2	MASCOT	T	PLEX8
2.30E-01	0|0	Cs1g10630.1/Cs1g106	4.14	0	0	2	MASCOT	T	PLEX8
2.15E-01	0|0	Cs1g10630.1/Cs1g106	5.4	0	0	2	MASCOT	T	PLEX8
3.75E-01	0|0	Cs1g10630.1/Cs1g106	5.4	0	0	2	MASCOT	T	PLEX8
1.47E-01	0|0	Cs1g10630.1/Cs1g106	5.4	0	0	2	MASCOT	T	PLEX8
2.45E-03	0|0	Cs1g10630.1/Cs1g106	5.4	0	0	2	MASCOT	T	PLEX8

7.58E-02	0|0	Cs1g10630.1/Cs1g106	5.4	0	0	2	MASCOT	T	PLEX8	
1.07E-01	0|0	Cs1g10630.1/Cs1g106	6.71	0	0	2	MASCOT	T		
7.12E-03	0|0	Cs1g10630.1/Cs1g106	5.84	0	0	2	MASCOT	T	PLEX8	
7.20E-02	0|0	Cs1g10630.1	9.75	0	0	2	MASCOT	T	PLEX8	
1.98E-01	0|0	Cs1g10630.1	9.75	0	0	2	MASCOT	T	PLEX8	
1.80E-02	0|0	Cs1g10630.1/Cs1g106	4.25	0	0	2	MASCOT	T	PLEX8	
3.51E-01	0|0	Cs1g10630.1/Cs1g106	4.25	0	0	2	MASCOT	T		
5.82E-03	0|0	Cs2g11750.1	4.37	0	0	2	MASCOT	T	PLEX8	
2.39E-01	0|0	Cs2g11750.1	6	0	0	2	MASCOT	T		
2.21E-01	0|0	Cs2g11750.1	8.2	0	0	2	MASCOT	T		
2.82E-01	0|0	Cs2g11750.1	5.55	0	0	2	MASCOT	T	PLEX8	
1.14E-01	0|0	Cs2g11750.1	5.55	0	0	2	MASCOT	T		
2.05E-05	0|0	Cs2g11750.1	4.65	0	0	2	MASCOT	T	PLEX8	
3.72E-02	0|0	Cs2g11750.1	4.65	0	0	2	MASCOT	T	PLEX8	
1.59E-03	0|0	Cs2g11750.1	4.65	0	0	2	MASCOT	T		
5.98E-02	0|0	Cs2g11750.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.65E-01	0|0	Cs2g11750.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.50E-01	0|0	Cs2g11750.1	4.53	0	0	2	MASCOT	T	PLEX8	
7.37E-02	0|0	Cs2g11750.1	6.72	0	0	2	MASCOT	T		
6.01E-02	0|0	Cs2g11750.1	6.72	0	0	2	MASCOT	T		
9.63E-03	0|0	Cs2g28050.1/Cs2g280	4.14	0	0	2	MASCOT	T	PLEX8	
1.98E-03	0|0	Cs2g28050.1/Cs2g280	4.14	0	0	2	MASCOT	T	PLEX8	
3.74E-01	0|0	Cs2g28050.1/Cs2g280	9.76	0	0	2	MASCOT	T	PLEX8	
8.20E-02	0|0	Cs2g28050.1/Cs2g280	9.76	0	0	2	MASCOT	T		
7.64E-02	0|0	Cs2g28050.1/Cs2g280	9.76	0	0	2	MASCOT	T	PLEX8	
1.79E-02	0|0	Cs2g28050.1/Cs2g280	5.72	0	0	2	MASCOT	T	PLEX8	
1.13E-02	0|0	Cs2g28050.1/Cs2g280	5.72	0	0	2	MASCOT	T	PLEX8	
1.50E-01	0|0	Cs2g28050.1	4.79	0	0	2	MASCOT	T	PLEX8	
4.33E-02	0|0	Cs2g28050.1/Cs2g280	5.84	0	0	2	MASCOT	T	PLEX8	
1.13E-01	0|0	Cs2g28050.1/Cs2g280	5.84	0	0	2	MASCOT	T	PLEX8	
1.08E-01	0|0	Cs2g28050.1/Cs2g280	5.84	0	0	2	MASCOT	T	PLEX8	
1.22E-02	0|0	Cs2g28050.1/Cs2g280	5.84	0	0	2	MASCOT	T	PLEX8	
2.08E-01	0|0	Cs2g28050.1/Cs2g280	8.22	0	0	2	MASCOT	T	PLEX8	
2.07E-02	0|0	Cs7g16620.2/Cs7g166	4.14	0	0	2	MASCOT	T	PLEX8	
4.25E-02	0|0	Cs7g16620.1/Cs7g166	6.1	0	0	2	MASCOT	T	PLEX8	
4.90E-01	0|0	Cs7g16620.1/Cs7g166	6.1	0	0	2	MASCOT	T	PLEX8	
5.08E-03	0|0	Cs7g16620.1/Cs7g166	8.75	0	0	2	MASCOT	T	PLEX8	
3.80E-01	0|0	Cs7g16620.1/Cs7g166	5.84	0	0	2	MASCOT	T	PLEX8	
4.63E-01	0|0	Cs7g16620.1/Cs7g166	5.84	0	0	2	MASCOT	T	PLEX8	
1.32E-02	0|0	Cs7g16620.1/Cs7g166	5.84	0	0	2	MASCOT	T	PLEX8	
1.43E-01	0|0	Cs7g16620.1/Cs7g166	5.84	0	0	2	MASCOT	T	PLEX8	
1.72E-04	0|0	Cs7g16620.1/Cs7g166	8.03	0	0	2	MASCOT	T	PLEX8	
1.52E-01	0|0	Cs7g16620.1/Cs7g166	8.03	0	0	2	MASCOT	T	PLEX8	
1.62E-02	0|0	Cs7g16620.1/Cs7g166	8.03	0	0	2	MASCOT	T	PLEX8	
9.83E-05	0|0	Cs7g16620.1/Cs7g166	8.03	0	0	2	MASCOT	T	PLEX8	
4.75E-02	0|0	Cs7g16620.1/Cs7g166	4.18	1	0	2	MASCOT	T	PLEX8	
4.23E-03	0|0	Cs9g11250.1/Cs9g112	5.4	0	15.9	0	2	MASCOT	T	PLEX8
1.27E-03	0|0	Cs9g11250.1/Cs9g112	5.4	0	15.9	0	2	MASCOT	T	PLEX8
4.83E-06	0|0	Cs9g11250.1/Cs9g112	5.4	0	0	2	MASCOT	T	PLEX8	
5.41E-02	0|0	Cs9g11250.1/Cs9g112	4.54	0	0	2	MASCOT	T		
1.59E-03	0|0	Cs9g11250.1/Cs9g112	4.54	0	0	2	MASCOT	T	PLEX8	

8.89E-02	0|0	Cs9g11250.1/Cs9g112	4.54	0	0	2	MASCOT	T	PLEX8	
9.82E-05	0|0	Cs9g11250.1/Cs9g112	4.54	0	0	2	MASCOT	T	PLEX8	
4.58E-02	0|0	Cs9g11250.1/Cs9g112	9.76	0	0	2	MASCOT	T	PLEX8	
4.24E-04	0|0	Cs9g11250.1/Cs9g112	9.76	0	0	2	MASCOT	T		
1.68E-05	0|0	Cs9g11250.1	4.03	0	0	2	MASCOT	T		
2.21E-03	0|0	Cs9g11250.1/Cs9g112	5.38	1	0	2	MASCOT	T	PLEX8	
2.57E-03	0|0	Cs9g11250.1/Cs9g112	5.75	0	0	2	MASCOT	T		
8.95E-04	0|0	Cs9g11250.1/Cs9g112	5.83	0	0	2	MASCOT	T	PLEX8	
4.11E-02	0|0	Cs1g04990.1/Cs1g049	4.14	0	0	2	MASCOT	T		
4.04E-02	0|0	Cs1g04990.1/Cs1g049	4.53	0	0	2	MASCOT	T	PLEX8	
7.11E-03	0|0	Cs1g04990.1/Cs1g049	4.21	0	0	2	MASCOT	T		
1.17E-01	0|0	Cs1g04990.1/Cs1g049	8.25	0	0	2	MASCOT	T	PLEX8	
9.05E-02	0|0	Cs1g04990.1/Cs1g049	4.14	0	0	2	MASCOT	T	PLEX8	
2.40E-04	0|0	Cs1g04990.1/Cs1g049	4.14	0	0	2	MASCOT	T		
7.03E-03	0|0	Cs1g04990.1/orange1.	5.32	0	0	2	MASCOT	T	PLEX8	
2.16E-01	0|0	Cs1g04990.1/orange1.	5.32	0	0	2	MASCOT	T	PLEX8	
4.04E-01	0|0	Cs1g04990.1/Cs1g049	5.81	0	0	2	MASCOT	T	PLEX8	
1.70E-01	0|0	Cs1g04990.1/Cs1g049	5.81	0	0	2	MASCOT	T	PLEX8	
1.12E-02	0|0	Cs1g04990.1/Cs1g049	5.81	0	0	2	MASCOT	T	PLEX8	
2.91E-02	0|0	Cs1g04990.1/Cs1g049	5.81	0	0	2	MASCOT	T	PLEX8	
3.11E-02	0|0	Cs2g07970.1	6.85	0	0	2	MASCOT	T	PLEX8	
2.75E-02	0|0	Cs2g07970.1	6.85	0	0	2	MASCOT	T	PLEX8	
1.37E-02	0|0	Cs2g07970.1	4.37	0	0	2	MASCOT	T		
1.20E-03	0|0	Cs2g07970.1	4.37	0	0	2	MASCOT	T		
2.09E-01	0|0	Cs2g07970.1	5.32	0	0	2	MASCOT	T	PLEX8	
5.22E-02	0|0	Cs2g07970.1	5.83	0	0	2	MASCOT	T	PLEX8	
1.58E-02	0|0	Cs2g07970.1	8.75	0	0	2	MASCOT	T	PLEX8	
2.67E-03	0|0	Cs2g07970.1	4.53	0	0	2	MASCOT	T	PLEX8	
2.89E-02	0|0	Cs2g07970.1	4.53	0	0	2	MASCOT	T	PLEX8	
5.21E-02	0|0	Cs2g07970.1	5.4	0	0	2	MASCOT	T	PLEX8	
6.60E-02	0|0	Cs2g07970.1	5.4	0	0	2	MASCOT	T	PLEX8	
2.60E-03	0|0	Cs2g07970.1	5.4	0	0	2	MASCOT	T	PLEX8	
2.07E-02	0|0	Cs4g06940.1	4.54	0	0	2	MASCOT	T		
1.81E-04	0|0	Cs4g06940.1	4.54	0	0	2	MASCOT	T		
1.48E-02	0|0	Cs4g06940.1	6.06	0	0	2	MASCOT	T	PLEX8	
3.43E-01	0|0	Cs4g06940.1	8.75	0	0	2	MASCOT	T	PLEX8	
1.79E-01	0|0	Cs4g06940.1	8.75	0	0	2	MASCOT	T	PLEX8	
3.99E-02	0|0	Cs4g06940.1	5.32	0	0	2	MASCOT	T	PLEX8	
1.26E-03	0|0	Cs4g06940.1	5.32	0	0	2	MASCOT	T	PLEX8	
1.38E-01	0|0	Cs4g06940.1	5.32	0	0	2	MASCOT	T	PLEX8	
2.17E-01	0|0	Cs4g06940.1	6	0	0	2	MASCOT	T	PLEX8	
6.80E-03	0|0	Cs4g06940.1	4.37	0	0	2	MASCOT	T	PLEX8	
5.44E-01	0|0	Cs4g06940.1	5.84	0	0	2	MASCOT	T		
2.42E-01	0|0	Cs4g06940.1	5.84	0	0	2	MASCOT	T		
6.23E-02	0|0	Cs4g13050.1	5.84	0	0	2	MASCOT	T	PLEX8	
4.81E-02	0|0	Cs4g13050.1/Cs4g130	8.75	0	0	2	MASCOT	T	PLEX8	
4.81E-02	0|0	Cs4g13050.1/Cs4g130	8.75	0	0	2	MASCOT	T	PLEX8	
4.44E-03	0|0	Cs4g13050.1 ! Cs4g13	5.72	0	15.9	0	2	MASCOT	T	PLEX8
1.56E-01	0|0	Cs4g13050.1	5.66	0	0	2	MASCOT	T	PLEX8	
9.89E-04	0|0	Cs1g15960.1/Cs1g159	4.37	0	0	2	MASCOT	T	PLEX8	
1.07E-02	0|0	Cs1g15960.1/Cs1g159	4.37	0	0	2	MASCOT	T	PLEX8	

7.60E-02	0|0	Cs1g15960.1/Cs1g159	4.37	0	0	2	MASCOT	T	PLEX8	
1.26E-02	0|0	Cs1g15960.1/Cs1g159	4.37	0	0	2	MASCOT	T	PLEX8	
2.96E-02	0|0	Cs4g13050.1	8.6	0	0	2	MASCOT	T	PLEX8	
8.59E-02	0|0	Cs4g13050.1	4.37	0	15.9	0	2	MASCOT	T	
7.51E-02	0|0	Cs4g13050.1	4.37	0	0	2	MASCOT	T		
1.35E-02	0|0	Cs5g14800.2/Cs5g148	4.43	0	0	2	MASCOT	T	PLEX8	
2.99E-02	0|0	Cs5g14800.2/Cs5g148	4.43	0	0	2	MASCOT	T	PLEX8	
7.12E-02	0|0	Cs5g14800.2/Cs5g148	4.43	0	0	2	MASCOT	T	PLEX8	
4.41E-03	0|0	Cs5g14800.1/Cs5g148	8.75	0	0	2	MASCOT	T		
3.56E-05	0|0	Cs5g14800.1/Cs5g148	4.14	0	0	2	MASCOT	T	PLEX8	
1.32E-02	0|0	Cs5g14800.1/Cs5g148	8.8	0	0	2	MASCOT	T	PLEX8	
3.84E-02	0|0	Cs5g14800.1/Cs5g148	8.8	0	0	2	MASCOT	T	PLEX8	
2.93E-02	0|0	Cs5g14800.1/Cs5g148	8.8	0	0	2	MASCOT	T	PLEX8	
3.30E-01	0|0	Cs5g14800.1/Cs5g148	4.75	0	0	2	MASCOT	T	PLEX8	
1.85E-02	0|0	Cs5g14800.1/Cs5g148	5.99	0	0	2	MASCOT	T	PLEX8	
3.57E-01	0|0	Cs5g14800.2/Cs5g148	8.73	0	0	2	MASCOT	T	PLEX8	
6.71E-02	0|0	Cs5g14800.2/Cs5g148	8.73	0	0	2	MASCOT	T	PLEX8	
2.89E-02	0|0	Cs6g09140.1/Cs6g091	5.27	0	0	2	MASCOT	T		
5.63E-06	0|0	Cs6g09140.1/Cs6g091	5.27	0	0	2	MASCOT	T	PLEX8	
1.14E-02	0|0	Cs6g09140.1/Cs6g091	5.27	0	0	2	MASCOT	T		
1.31E-04	0|0	Cs6g09140.1/Cs6g091	5.27	0	0	2	MASCOT	T		
6.41E-02	0|0	Cs6g09140.1/Cs6g091	4.53	0	0	2	MASCOT	T	PLEX8	
5.77E-02	0|0	Cs6g09140.1/Cs6g091	5.5	0	0	2	MASCOT	T		
6.77E-02	0|0	Cs6g09140.1/Cs6g091	6.09	0	0	2	MASCOT	T		
2.02E-02	0|0	Cs6g09140.1/Cs6g091	6.1	0	0	2	MASCOT	T		
1.82E-01	0|0	Cs6g09140.1/Cs6g091	6.74	0	0	2	MASCOT	T	PLEX8	
6.35E-02	0|0	Cs6g09140.1/Cs6g091	6.74	0	0	2	MASCOT	T	PLEX8	
1.30E-01	0|0	Cs6g09140.1/Cs6g091	8.47	0	0	2	MASCOT	T	PLEX8	
1.02E-01	0|0	Cs6g09140.1/Cs6g091	8.47	0	0	2	MASCOT	T	PLEX8	
1.08E-02	0|0	Cs6g14990.1	4.37	0	0	2	MASCOT	T	PLEX8	
7.52E-04	0|0	Cs6g14990.1	6.74	0	0	2	MASCOT	T	PLEX8	
8.04E-02	0|0	Cs6g14990.1	6.74	0	0	2	MASCOT	T	PLEX8	
6.77E-02	0|0	Cs6g14990.1	6.74	0	0	2	MASCOT	T	PLEX8	
9.35E-05	0|0	Cs6g14990.1	7.91	0	0	2	MASCOT	T	PLEX8	
1.16E-02	0|0	Cs6g14990.1	7.91	0	0	2	MASCOT	T		
1.59E-01	0|0	Cs6g14990.1/Cs7g205	8.75	0	0	2	MASCOT	T	PLEX8	
2.22E-02	0|0	Cs6g14990.1/Cs7g205	8.75	0	0	2	MASCOT	T		
1.27E-02	0|0	Cs6g14990.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.28E-02	0|0	Cs6g14990.1/Cs7g205	9.75	0	0	2	MASCOT	T		
3.59E-03	0|0	Cs6g14990.1	5.4	0	0	2	MASCOT	T	PLEX8	
1.87E-02	0|0	Cs6g14990.1	5.4	0	0	2	MASCOT	T		
1.61E-01	0|0	Cs6g21580.1	6.07	0	0	2	MASCOT	T	PLEX8	
4.06E-02	0|0	Cs6g21580.1	6.07	0	0	2	MASCOT	T	PLEX8	
5.17E-04	0|0	Cs6g21580.1	4.79	0	0	2	MASCOT	T	PLEX8	
1.10E-03	0|0	Cs6g21580.1	4.79	0	0	2	MASCOT	T	PLEX8	
5.38E-02	0|0	Cs6g21580.1	4.49	0	0	2	MASCOT	T	PLEX8	
5.12E-04	0|0	Cs6g21580.1	6.14	0	0	2	MASCOT	T	PLEX8	
3.07E-02	0|0	Cs6g21580.1	6.14	0	0	2	MASCOT	T	PLEX8	
5.00E-02	0|0	Cs6g21580.1	3.92	0	0	2	MASCOT	T	PLEX8	
2.86E-04	0|0	Cs6g21580.1	4.53	0	0	2	MASCOT	T	PLEX8	
7.64E-03	0|0	Cs6g21580.1	4.53	0	0	2	MASCOT	T	PLEX8	

6.01E-03	0|0	Cs6g21580.1	4.53	0	0	2	MASCOT	T	PLEX8	
9.65E-05	0|0	Cs6g21580.1	4.53	0	0	2	MASCOT	T	PLEX8	
2.47E-01	0|0	Cs9g10450.1	8.8	0	15.9	0	2	MASCOT	T	PLEX8
3.05E-02	0|0	Cs9g10450.1	8.8	0	0	2	MASCOT	T	PLEX8	
8.41E-02	0|0	Cs9g10450.1	4.25	0	0	2	MASCOT	T	PLEX8	
1.64E-02	0|0	Cs9g10450.1	4.25	0	0	2	MASCOT	T	PLEX8	
1.68E-02	0|0	Cs9g10450.1	4.25	0	0	2	MASCOT	T	PLEX8	
2.31E-01	0|0	Cs9g10450.1	4.53	0	0	2	MASCOT	T	PLEX8	
5.87E-02	0|0	Cs9g10450.1	8.6	1	0	2	MASCOT	T	PLEX8	
1.66E-01	0|0	Cs9g10450.1	6.72	0	0	2	MASCOT	T	PLEX8	
5.54E-02	0|0	Cs9g10450.1	4.53	0	0	2	MASCOT	T	PLEX8	
9.41E-03	0|0	Cs9g10450.1	6	0	0	2	MASCOT	T	PLEX8	
1.11E-01	0|0	Cs9g10450.1	6	0	0	2	MASCOT	T	PLEX8	
2.13E-01	0|0	Cs9g10450.1	6	0	0	2	MASCOT	T	PLEX8	
7.07E-02	0|0	Cs1g03610.1/Cs1g036	6.1	0	0	2	MASCOT	T	PLEX8	
2.13E-01	0|0	Cs1g03610.1/Cs1g036	6	0	0	2	MASCOT	T	PLEX8	
3.14E-03	0|0	Cs1g03610.1/Cs1g036	6.74	0	0	2	MASCOT	T	PLEX8	
4.35E-04	0|0	Cs1g03610.1/Cs1g036	6.74	0	0	2	MASCOT	T	PLEX8	
5.12E-03	0|0	Cs1g03610.1/Cs1g036	6.74	0	0	2	MASCOT	T	PLEX8	
2.74E-02	0|0	Cs1g03610.1/Cs1g036	8.25	0	0	2	MASCOT	T	PLEX8	
3.40E-01	0|0	Cs1g03610.1/Cs1g036	8.59	0	0	2	MASCOT	T	PLEX8	
4.00E-02	0|0	Cs1g03610.1/Cs1g036	8.72	0	0	2	MASCOT	T		
1.43E-04	0|0	Cs1g03610.1/Cs1g036	8.72	0	0	2	MASCOT	T		
1.85E-03	0|0	Cs1g03610.1/Cs1g036	8.72	0	0	2	MASCOT	T		
3.64E-01	0|0	Cs1g03610.1/Cs1g036	8.75	0	0	2	MASCOT	T	PLEX8	
2.57E-01	0|0	Cs2g17060.1/Cs2g170	6	0	0	2	MASCOT	T	PLEX8	
1.18E-01	0|0	Cs2g17060.1/Cs2g170	4.37	0	0	2	MASCOT	T		
2.69E-02	0|0	Cs2g17060.1	4.14	0	0	2	MASCOT	T		
2.16E-01	0|0	Cs2g17060.1/Cs2g170	6	0	0	2	MASCOT	T	PLEX8	
1.13E-01	0|0	Cs2g17060.1/Cs2g170	6	0	0	2	MASCOT	T	PLEX8	
8.02E-03	0|0	Cs2g17060.1/Cs2g170	6	0	0	2	MASCOT	T	PLEX8	
6.36E-03	0|0	Cs2g17060.1/Cs2g170	6	0	0	2	MASCOT	T	PLEX8	
2.40E-01	0|0	Cs2g17060.1/Cs2g170	4.53	0	0	2	MASCOT	T		
1.29E-01	0|0	Cs2g17060.1/Cs2g170	5.55	0	15.9	0	2	MASCOT	T	PLEX8
1.00E-01	0|0	Cs2g17060.1/Cs2g170	4.03	0	0	2	MASCOT	T	PLEX8	
1.56E-03	0|0	Cs2g17060.1/Cs2g170	4.03	0	0	2	MASCOT	T	PLEX8	
7.93E-05	0|0	Cs4g10100.2	4.37	0	0	2	MASCOT	T	PLEX8	
1.72E-02	0|0	Cs4g10100.1/Cs4g101	8.8	0	0	2	MASCOT	T	PLEX8	
9.40E-02	0|0	Cs4g10100.1/Cs4g101	4.25	0	0	2	MASCOT	T	PLEX8	
1.66E-02	0|0	Cs4g10100.1/Cs4g101	4.25	0	0	2	MASCOT	T	PLEX8	
9.19E-03	0|0	Cs2g21190.1/Cs2g211	9.75	0	0	2	MASCOT	T	PLEX8	
1.29E-01	0|0	Cs2g21190.1/Cs2g211	8.75	0	15.9	0	2	MASCOT	T	PLEX8
6.16E-02	0|0	Cs2g21190.1/Cs2g211	8.75	0	15.9	0	2	MASCOT	T	PLEX8
1.83E-01	0|0	Cs2g21190.1/Cs2g211	8.75	0	0	2	MASCOT	T	PLEX8	
2.48E-01	0|0	Cs4g10100.1/Cs4g101	5.38	0	0	2	MASCOT	T	PLEX8	
6.86E-03	0|0	Cs4g10100.1/Cs4g101	5.38	0	0	2	MASCOT	T	PLEX8	
3.18E-01	0|0	Cs4g10100.1/Cs4g101	6.11	0	0	2	MASCOT	T	PLEX8	
3.11E-02	0|0	Cs5g32850.1/Cs5g328	6.04	0	0	2	MASCOT	T	PLEX8	
3.34E-02	0|0	Cs5g32850.1/Cs5g328	6.04	0	0	2	MASCOT	T	PLEX8	
2.06E-01	0|0	Cs5g32850.1/Cs5g328	6.04	0	0	2	MASCOT	T	PLEX8	
2.64E-01	0|0	Cs5g32850.1/Cs5g328	5.21	0	0	2	MASCOT	T		

1.25E-01	0|0	Cs5g32850.1/Cs5g328	5.21	0	0	2	MASCOT	T		
4.59E-01	0|0	Cs5g32850.1/Cs5g328	5.88	0	0	2	MASCOT	T	PLEX8	
2.18E-01	0|0	Cs5g32850.1/Cs5g328	5.99	0	0	2	MASCOT	T	PLEX8	
1.21E-01	0|0	Cs5g32850.1/Cs5g328	5.4	0	0	2	MASCOT	T		
5.11E-01	0|0	Cs5g32850.1/Cs5g328	4.53	0	0	2	MASCOT	T	PLEX8	
5.44E-04	0|0	Cs5g32850.1	4.54	0	0	2	MASCOT	T	PLEX8	
1.13E-01	0|0	Cs5g32850.1	4.54	0	0	2	MASCOT	T	PLEX8	
2.01E-02	0|0	Cs6g13570.1/Cs6g135	6.74	0	0	2	MASCOT	T	PLEX8	
3.10E-05	0|0	Cs6g13570.1/Cs6g135	6.74	0	0	2	MASCOT	T	PLEX8	
1.77E-04	0|0	Cs6g13570.1/Cs6g135	4.37	0	0	2	MASCOT	T	PLEX8	
1.90E-02	0|0	Cs6g13570.1/Cs6g135	5.97	0	0	2	MASCOT	T	PLEX8	
7.32E-02	0|0	Cs6g13570.1	8.8	0	0	2	MASCOT	T	PLEX8	
3.62E-02	0|0	Cs6g13570.1	8.8	0	0	2	MASCOT	T	PLEX8	
1.23E-03	0|0	Cs6g13570.1/Cs6g135	5.84	0	0	2	MASCOT	T	PLEX8	
1.12E-03	0|0	Cs6g13570.1/Cs6g135	5.84	0	0	2	MASCOT	T	PLEX8	
4.09E-04	0|0	Cs6g13570.1/Cs6g135	4.53	0	0	2	MASCOT	T	PLEX8	
2.89E-06	0|0	Cs6g13570.1/Cs6g135	4.53	0	0	2	MASCOT	T	PLEX8	
3.38E-02	0|0	Cs6g13570.1	6	0	0	2	MASCOT	T	PLEX8	
3.08E-02	0|0	Cs7g30260.1	4.14	0	15.9	0	2	MASCOT	T	PLEX8
3.13E-02	0|0	Cs7g30260.1	8.07	0	0	2	MASCOT	T	PLEX8	
2.36E-05	0|0	Cs7g30260.1	5.99	0	0	2	MASCOT	T	PLEX8	
2.00E-03	0|0	Cs7g30260.1	5.99	0	0	2	MASCOT	T		
1.07E-01	0|0	Cs7g30260.1	8.23	0	0	2	MASCOT	T	PLEX8	
2.17E-01	0|0	Cs7g30260.1	8.23	0	0	2	MASCOT	T	PLEX8	
2.20E-06	0|0	Cs7g30260.1	5.4	0	0	2	MASCOT	T	PLEX8	
3.15E-02	0|0	Cs7g30260.1	5.4	0	0	2	MASCOT	T	PLEX8	
1.14E-02	0|0	Cs7g30260.1	3.84	0	0	2	MASCOT	T	PLEX8	
5.85E-02	0|0	Cs7g30260.1	8.75	0	0	2	MASCOT	T	PLEX8	
1.62E-02	0|0	Cs7g30260.1	8.75	0	0	2	MASCOT	T	PLEX8	
6.77E-02	0|0	orange1.1t01871.1	5.32	0	0	2	MASCOT	T	PLEX8	
3.40E-01	0|0	orange1.1t01871.1	8.2	0	0	2	MASCOT	T		
5.35E-03	0|0	orange1.1t01871.1	8.2	0	0	2	MASCOT	T		
1.73E-01	0|0	orange1.1t01871.1	4.37	0	0	2	MASCOT	T	PLEX8	
3.50E-02	0|0	orange1.1t01871.1	4.37	0	0	2	MASCOT	T	PLEX8	
2.59E-01	0|0	orange1.1t01871.1	4.37	0	0	2	MASCOT	T	PLEX8	
7.84E-02	0|0	orange1.1t01871.1	8.8	0	0	2	MASCOT	T	PLEX8	
1.45E-01	0|0	orange1.1t01871.1	8.8	0	0	2	MASCOT	T	PLEX8	
1.82E-03	0|0	orange1.1t01871.1	9.75	0	0	2	MASCOT	T		
1.80E-02	0|0	orange1.1t01871.1	5.84	0	0	2	MASCOT	T	PLEX8	
1.24E-01	0|0	orange1.1t01871.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.25E-02	0|0	orange1.1t04032.1/ora	4.09	0	0	2	MASCOT	T	PLEX8	
5.53E-05	0|0	orange1.1t04032.1/ora	4.09	0	0	2	MASCOT	T	PLEX8	
1.31E-01	0|0	orange1.1t04032.1/ora	6.14	1	0	2	MASCOT	T	PLEX8	
4.85E-03	0|0	orange1.1t04032.1/ora	5.72	0	0	2	MASCOT	T	PLEX8	
5.19E-02	0|0	orange1.1t04032.1/ora	5.72	0	0	2	MASCOT	T	PLEX8	
3.79E-02	0|0	orange1.1t04032.1/ora	4.53	0	0	2	MASCOT	T	PLEX8	
2.86E-02	0|0	orange1.1t04032.1/ora	4.53	0	0	2	MASCOT	T	PLEX8	
1.01E-01	0|0	orange1.1t04032.1/ora	4.53	0	0	2	MASCOT	T	PLEX8	
2.57E-02	0|0	orange1.1t04032.1/ora	5.55	0	0	2	MASCOT	T	PLEX8	
2.88E-02	0|0	orange1.1t04032.1/ora	5.99	0	0	2	MASCOT	T	PLEX8	
5.33E-02	0|0	orange1.1t04032.1/ora	5.99	0	0	2	MASCOT	T	PLEX8	

5.23E-02	0|0	Cs2g03010.1/Cs2g030	9.8	0	0	2	MASCOT	T	PLEX8	
7.81E-02	0|0	Cs2g21240.1/Cs2g212	4.37	0	0	2	MASCOT	T	PLEX8	
1.34E-03	0|0	Cs2g21240.1/Cs2g212	4.37	0	0	2	MASCOT	T	PLEX8	
2.08E-02	0|0	Cs2g21240.1	4.37	0	0	2	MASCOT	T	PLEX8	
6.13E-02	0|0	Cs2g21240.1	5.55	0	0	2	MASCOT	T	PLEX8	
3.37E-02	0|0	Cs2g21240.1	5.55	0	0	2	MASCOT	T	PLEX8	
1.41E-02	0|0	Cs2g21240.1	5.55	0	0	2	MASCOT	T	PLEX8	
4.76E-05	0|0	Cs2g21240.1/Cs2g212	4.37	0	0	2	MASCOT	T		
3.61E-04	0|0	Cs2g21240.1/Cs2g212	4.37	0	0	2	MASCOT	T		
2.47E-02	0|0	Cs2g21240.1/Cs2g212	4.21	0	0	2	MASCOT	T	PLEX8	
5.65E-02	0|0	Cs3g21590.1/orange1.	9.8	0	15.9	0	2	MASCOT	T	PLEX8
3.19E-02	0|0	Cs3g21590.1/orange1.	9.8	0	0	2	MASCOT	T	PLEX8	
2.42E-01	0|0	Cs3g21590.1/orange1.	9.8	0	0	2	MASCOT	T	PLEX8	
1.16E-02	0|0	Cs3g21590.1/orange1.	4.03	0	15.9	0	2	MASCOT	T	PLEX8
4.07E-04	0|0	Cs3g21590.1	5.72	0	0	2	MASCOT	T	PLEX8	
3.13E-02	0|0	Cs3g21590.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.15E-01	0|0	Cs3g21590.1	4.37	0	0	2	MASCOT	T		
2.76E-02	0|0	Cs3g21590.1/orange1.	9.76	0	0	2	MASCOT	T	PLEX8	
1.78E-01	0|0	Cs3g21590.1 ! orange1	4.53	0	0	2	MASCOT	T	PLEX8	
5.38E-01	0|0	Cs3g21590.1/orange1.	9.73	0	0	2	MASCOT	T	PLEX8	
4.05E-02	0|0	Cs4g02520.1	5.88	0	0	2	MASCOT	T	PLEX8	
1.26E-01	0|0	Cs4g02520.1	6	0	0	2	MASCOT	T	PLEX8	
1.11E-03	0|0	Cs4g02520.1	4.09	0	0	2	MASCOT	T	PLEX8	
2.26E-01	0|0	Cs4g02520.1	4.53	0	0	2	MASCOT	T	PLEX8	
8.38E-02	0|0	Cs4g02520.1	4.53	0	0	2	MASCOT	T	PLEX8	
2.52E-02	0|0	Cs4g02520.1	4.14	0	0	2	MASCOT	T	PLEX8	
7.66E-02	0|0	Cs4g02520.1	4.21	0	0	2	MASCOT	T	PLEX8	
6.03E-02	0|0	Cs4g02520.1	4.21	0	0	2	MASCOT	T	PLEX8	
1.48E-01	0|0	Cs4g02520.1	6.75	0	0	2	MASCOT	T	PLEX8	
1.30E-01	0|0	Cs4g02520.1	6.75	0	0	2	MASCOT	T		
2.21E-02	0|0	Cs5g34760.1/Cs5g347	3.93	0	0	2	MASCOT	T		
2.11E-02	0|0	Cs5g34760.1/Cs5g347	5.97	0	0	2	MASCOT	T	PLEX8	
2.26E-01	0|0	Cs5g34760.1/Cs5g347	5.97	0	0	2	MASCOT	T	PLEX8	
2.34E-01	0|0	Cs5g34760.1/Cs5g347	9.73	0	0	2	MASCOT	T		
4.00E-02	0|0	Cs5g34760.1/Cs5g347	8.8	0	0	2	MASCOT	T	PLEX8	
1.09E-01	0|0	Cs5g34760.1/Cs5g347	5.99	0	15.9	0	2	MASCOT	T	PLEX8
1.53E-02	0|0	Cs5g34760.1/Cs5g347	5.99	0	0	2	MASCOT	T	PLEX8	
5.03E-03	0|0	Cs5g34760.1/Cs5g347	5.99	0	0	2	MASCOT	T	PLEX8	
1.28E-02	0|0	Cs5g34760.1/Cs5g347	4.03	0	0	2	MASCOT	T		
1.27E-04	0|0	Cs5g34760.1/Cs5g347	5.83	0	0	2	MASCOT	T	PLEX8	
6.17E-02	0|0	Cs6g15280.1	8.8	0	0	2	MASCOT	T	PLEX8	
3.42E-03	0|0	Cs1g13640.1/Cs1g136	4.37	0	0	2	MASCOT	T	PLEX8	
5.55E-04	0|0	Cs1g13640.1/Cs1g136	4.37	0	0	2	MASCOT	T	PLEX8	
2.53E-01	0|0	Cs6g15280.1	6.75	0	0	2	MASCOT	T	PLEX8	
8.79E-03	0|0	Cs1g13620.1/Cs1g136	5.5	0	0	2	MASCOT	T		
1.21E-02	0|0	Cs6g15280.1/Cs6g153	8.5	0	0	2	MASCOT	T	PLEX8	
1.43E-02	0|0	Cs6g15280.1/Cs6g153	8.5	0	0	2	MASCOT	T	PLEX8	
1.34E-01	0|0	Cs6g15280.1/Cs6g153	8.5	0	0	2	MASCOT	T		
6.79E-02	0|0	Cs6g15280.1	8.44	0	0	2	MASCOT	T	PLEX8	
1.07E-01	0|0	Cs6g15280.1 ! Cs1g13	5.81	0	0	2	MASCOT	T	PLEX8	
1.27E-01	0|0	Cs7g06620.1/Cs7g066	6.79	0	0	2	MASCOT	T		

1.04E-03	0|0	Cs7g06620.1/Cs7g066	8.8	0	0	2	MASCOT	T	PLEX8	
5.37E-02	0|0	Cs7g06620.1/Cs7g066	4.14	0	15.9	0	2	MASCOT	T	PLEX8
2.53E-01	0|0	Cs7g06620.1/Cs7g066	6.71	0	0	2	MASCOT	T	PLEX8	
3.09E-01	0|0	Cs7g06620.1/Cs7g066	6.71	0	0	2	MASCOT	T	PLEX8	
2.66E-02	0|0	Cs7g06620.1/Cs7g066	6.05	0	0	2	MASCOT	T	PLEX8	
9.85E-03	0|0	Cs7g06620.1/Cs7g066	5.82	0	0	2	MASCOT	T	PLEX8	
6.38E-02	0|0	Cs7g06620.1/Cs7g066	5.82	0	0	2	MASCOT	T	PLEX8	
1.26E-01	0|0	Cs7g06620.1/Cs7g066	8.31	0	0	2	MASCOT	T	PLEX8	
1.38E-01	0|0	Cs7g06620.1/Cs7g066	8.31	0	0	2	MASCOT	T	PLEX8	
6.48E-03	0|0	Cs7g09290.1/Cs7g092	3.93	0	0	2	MASCOT	T	PLEX8	
6.54E-04	0|0	Cs7g09290.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.96E-03	0|0	Cs7g09290.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.88E-01	0|0	Cs7g09290.1/Cs7g092	5.81	0	0	2	MASCOT	T	PLEX8	
3.33E-03	0|0	Cs7g09290.1/Cs7g092	4.21	0	0	2	MASCOT	T	PLEX8	
1.03E-01	0|0	Cs7g09290.1/Cs7g092	4.21	0	0	2	MASCOT	T	PLEX8	
2.54E-03	0|0	Cs7g09290.1/Cs7g092	4.75	0	0	2	MASCOT	T	PLEX8	
2.49E-02	0|0	Cs7g09290.1	8.76	0	0	2	MASCOT	T	PLEX8	
1.23E-01	0|0	Cs7g09290.1	8.76	0	0	2	MASCOT	T	PLEX8	
1.38E-01	0|0	Cs7g09290.1/Cs7g092	9.47	0	0	2	MASCOT	T	PLEX8	
2.80E-03	0|0	orange1.1t03252.1	6.75	0	0	2	MASCOT	T	PLEX8	
8.87E-03	0|0	orange1.1t03252.1	6.75	0	0	2	MASCOT	T	PLEX8	
2.02E-01	0|0	orange1.1t03252.1	6.75	0	0	2	MASCOT	T	PLEX8	
2.43E-02	0|0	orange1.1t03252.1	3.93	0	0	2	MASCOT	T	PLEX8	
4.51E-04	0|0	orange1.1t03252.1	3.93	0	0	2	MASCOT	T	PLEX8	
3.16E-02	0|0	orange1.1t03252.1	4.32	1	0	2	MASCOT	T	PLEX8	
2.38E-01	0|0	orange1.1t03252.1	6	0	0	2	MASCOT	T	PLEX8	
1.21E-02	0|0	orange1.1t03252.1	4.14	0	0	2	MASCOT	T	PLEX8	
2.53E-01	0|0	orange1.1t03252.1	4.25	0	0	2	MASCOT	T	PLEX8	
2.54E-02	0|0	orange1.1t03252.1	5.5	0	0	2	MASCOT	T	PLEX8	
1.16E-01	0|0	Cs1g22280.1/Cs1g222	6.79	0	0	2	MASCOT	T	PLEX8	
8.67E-03	0|0	Cs1g22280.1/Cs1g222	5.87	0	0	2	MASCOT	T	PLEX8	
3.81E-04	0|0	Cs1g22280.1/Cs1g222	4.53	0	0	2	MASCOT	T	PLEX8	
2.16E-02	0|0	Cs1g22280.1/Cs1g222	4.53	0	0	2	MASCOT	T	PLEX8	
2.90E-02	0|0	Cs1g22280.1/Cs1g222	4.53	0	0	2	MASCOT	T	PLEX8	
6.33E-03	0|0	Cs1g22280.1/Cs1g222	9.76	0	0	2	MASCOT	T	PLEX8	
2.74E-02	0|0	Cs1g22280.1/Cs1g222	8.76	0	0	2	MASCOT	T	PLEX8	
2.08E-03	0|0	Cs1g22280.1/Cs1g222	6.14	0	0	2	MASCOT	T	PLEX8	
2.22E-01	0|0	Cs1g22280.1/Cs1g222	6.74	0	0	2	MASCOT	T	PLEX8	
3.08E-02	0|0	Cs2g15520.1/Cs8g095	3.96	1	0	2	MASCOT	T	PLEX8	
2.08E-01	0|0	Cs2g15520.1	4.21	0	0	2	MASCOT	T	PLEX8	
1.83E-02	0|0	Cs2g15520.1	4.25	0	0	2	MASCOT	T	PLEX8	
1.17E-03	0|0	Cs2g15520.1	4.25	0	0	2	MASCOT	T	PLEX8	
5.06E-04	0|0	Cs2g15520.1	6.14	1	0	2	MASCOT	T	PLEX8	
7.59E-03	0|0	Cs2g15520.1	9.49	0	0	2	MASCOT	T	PLEX8	
1.88E-02	0|0	Cs2g15520.1 ! Cs8g09	4.03	0	0	2	MASCOT	T	PLEX8	
1.80E-01	0|0	Cs2g15520.1	8.75	0	0	2	MASCOT	T	PLEX8	
1.52E-01	0|0	Cs2g15520.1	8.75	0	0	2	MASCOT	T	PLEX8	
5.88E-02	0|0	Cs2g19110.1/Cs2g191	4.21	0	0	2	MASCOT	T	PLEX8	
4.60E-01	0|0	Cs2g19110.1 ! Cs2g19	6.75	0	0	2	MASCOT	T	PLEX8	
2.09E-01	0|0	Cs2g19110.1/Cs2g191	8.75	0	0	2	MASCOT	T	PLEX8	
1.24E-01	0|0	Cs2g19110.1/Cs2g191	8.59	0	0	2	MASCOT	T	PLEX8	

1.45E-01	0|0	Cs2g19110.1/Cs2g191	8.59	0	0	2	MASCOT	T	PLEX8
4.19E-02	0|0	Cs2g19110.1/Cs2g191	8.59	0	0	2	MASCOT	T	PLEX8
1.47E-02	0|0	Cs2g19110.2/Cs2g191	4.14	0	0	2	MASCOT	T	PLEX8
8.19E-04	0|0	Cs2g19110.1/Cs2g191	6.78	0	0	2	MASCOT	T	PLEX8
3.93E-01	0|0	Cs2g19110.1/Cs2g191	4.53	0	0	2	MASCOT	T	PLEX8
6.22E-03	0|0	Cs1g11870.1/Cs4g013	5.32	0	0	2	MASCOT	T	PLEX8
6.52E-03	0|0	Cs1g11870.1/Cs4g013	5.32	0	0	2	MASCOT	T	PLEX8
2.63E-02	0|0	Cs1g11870.1/Cs1g161	5.59	0	0	2	MASCOT	T	PLEX8
8.46E-02	0|0	Cs4g03700.1/Cs4g037	6.71	0	0	2	MASCOT	T	PLEX8
3.04E-02	0|0	Cs1g11870.1/Cs4g037	8.8	0	0	2	MASCOT	T	PLEX8
1.20E-02	0|0	Cs1g11870.1/Cs4g037	8.8	0	0	2	MASCOT	T	PLEX8
1.34E-01	0|0	Cs4g03700.1/Cs4g037	5.32	0	0	2	MASCOT	T	PLEX8
7.97E-02	0|0	Cs1g11870.1/Cs4g013	5.32	0	0	2	MASCOT	T	
9.76E-02	0|0	Cs1g16150.1/Cs1g161	4.37	0	0	2	MASCOT	T	PLEX8
2.46E-02	0|0	Cs6g17140.1	5.21	0	0	2	MASCOT	T	PLEX8
1.32E-03	0|0	Cs6g17140.1	5.21	0	0	2	MASCOT	T	PLEX8
1.52E-02	0|0	Cs6g17140.1	5.21	0	0	2	MASCOT	T	
2.54E-03	0|0	Cs6g17140.1	3.8	0	0	2	MASCOT	T	
1.51E-01	0|0	Cs6g17140.1	5.4	0	0	2	MASCOT	T	PLEX8
4.10E-03	0|0	Cs6g17140.1	4.37	0	0	2	MASCOT	T	
1.27E-03	0|0	Cs6g17140.1	5.81	0	0	2	MASCOT	T	PLEX8
2.30E-01	0|0	Cs6g17140.1	6.09	0	0	2	MASCOT	T	PLEX8
2.91E-05	0|0	Cs6g17140.1	3.83	0	0	2	MASCOT	T	
9.69E-02	0|0	Cs7g07740.1	5.88	0	15.9	0	2	MASCOT	T
5.26E-04	0|0	Cs7g07740.1	5.88	0	0	2	MASCOT	T	
5.84E-06	0|0	Cs7g07740.1	5.88	0	0	2	MASCOT	T	
1.10E-01	0|0	Cs7g07740.1	5.84	0	0	2	MASCOT	T	PLEX8
3.58E-02	0|0	Cs7g07740.1	6	0	0	2	MASCOT	T	PLEX8
1.77E-01	0|0	Cs7g07740.1	6	0	0	2	MASCOT	T	PLEX8
6.92E-02	0|0	Cs7g07740.1	9.47	0	0	2	MASCOT	T	PLEX8
4.15E-01	0|0	Cs7g07740.1	5.5	0	0	2	MASCOT	T	
5.46E-04	0|0	Cs7g07740.1	4.37	0	0	2	MASCOT	T	
6.01E-02	0|0	Cs8g03250.1	4.56	1	0	2	MASCOT	T	PLEX8
5.46E-02	0|0	Cs8g03250.1	4.4	0	0	2	MASCOT	T	PLEX8
1.23E-01	0|0	Cs8g03250.1	4.14	0	0	2	MASCOT	T	PLEX8
3.15E-02	0|0	Cs8g03250.1	4.21	0	0	2	MASCOT	T	
3.98E-02	0|0	Cs8g03250.1	4.21	0	0	2	MASCOT	T	
2.92E-02	0|0	Cs8g03250.1	9.76	0	0	2	MASCOT	T	PLEX8
2.53E-01	0|0	Cs8g03250.1	6.75	0	0	2	MASCOT	T	PLEX8
1.70E-02	0|0	Cs8g03250.1	5.55	0	0	2	MASCOT	T	PLEX8
2.99E-02	0|0	Cs8g03250.1	5.55	0	0	2	MASCOT	T	PLEX8
1.61E-01	0|0	Cs3g04050.1	6	0	0	2	MASCOT	T	PLEX8
1.01E-04	0|0	Cs3g04050.1/orange1.	8.75	0	0	2	MASCOT	T	PLEX8
2.15E-02	0|0	Cs3g04050.1	4	0	0	2	MASCOT	T	
4.87E-02	0|0	Cs3g04050.1	5.5	0	0	2	MASCOT	T	PLEX8
8.58E-03	0|0	Cs3g04050.1	5.84	0	0	2	MASCOT	T	PLEX8
3.07E-02	0|0	Cs3g04050.1	8.6	0	0	2	MASCOT	T	PLEX8
2.07E-01	0|0	Cs3g04050.1	8.6	0	0	2	MASCOT	T	PLEX8
4.17E-01	0|0	Cs3g04050.1	5.59	0	0	2	MASCOT	T	PLEX8
4.95E-02	0|0	Cs3g20150.1/Cs3g201	4.14	0	0	2	MASCOT	T	PLEX8
6.36E-02	0|0	Cs3g20150.1/Cs3g201	8.75	0	0	2	MASCOT	T	PLEX8

1.02E-03	0|0	Cs3g20150.1/Cs3g201	4.54	0	15.9	0	2	MASCOT	T	PLEX8
7.34E-05	0|0	Cs3g20150.1/Cs3g201	4.37	0		0	2	MASCOT	T	
5.96E-03	0|0	Cs3g20150.1/Cs3g201	5.83	0		0	2	MASCOT	T	PLEX8
1.91E-03	0|0	Cs3g20150.1/Cs3g201	5.83	0		0	2	MASCOT	T	PLEX8
4.81E-03	0|0	Cs3g20150.1/Cs3g201	4.53	0		0	2	MASCOT	T	PLEX8
2.97E-02	0|0	Cs3g20150.1/Cs3g201	4.53	0		0	2	MASCOT	T	PLEX8
6.62E-02	0|0	Cs5g31690.1	4.53	0		0	2	MASCOT	T	PLEX8
2.90E-03	0|0	Cs5g31690.1	5.84	0		0	2	MASCOT	T	PLEX8
7.47E-02	0|0	Cs5g31690.1	5.21	0		0	2	MASCOT	T	
1.33E-02	0|0	Cs5g31690.1	4.37	0		0	2	MASCOT	T	
5.88E-03	0|0	Cs5g31690.1	4.03	0		0	2	MASCOT	T	
1.41E-04	0|0	Cs5g31690.1	4.37	0		0	2	MASCOT	T	
9.17E-02	0|0	Cs5g31690.1	4.37	0		0	2	MASCOT	T	
3.57E-02	0|0	Cs5g31690.1	4.21	0		0	2	MASCOT	T	
5.73E-02	0|0	Cs8g04900.1/Cs8g049	5.21	0		0	2	MASCOT	T	
1.74E-01	0|0	Cs8g04900.2	5.84	0		0	2	MASCOT	T	PLEX8
1.75E-01	0|0	Cs8g04900.2	5.72	0		0	2	MASCOT	T	PLEX8
1.43E-01	0|0	Cs8g04900.1/Cs8g049	6.05	0		0	2	MASCOT	T	PLEX8
1.29E-02	0|0	Cs8g04900.1/Cs8g049	6.05	0		0	2	MASCOT	T	PLEX8
2.95E-02	0|0	Cs8g04900.1/Cs8g049	4.37	0		0	2	MASCOT	T	PLEX8
2.40E-03	0|0	Cs8g04900.1/Cs8g049	6	0		0	2	MASCOT	T	
1.67E-01	0|0	Cs8g04880.1/Cs8g048	6	0		0	2	MASCOT	T	PLEX8
8.74E-02	0|0	Cs8g08390.1/Cs8g083	5.84	0		0	2	MASCOT	T	PLEX8
2.89E-02	0|0	Cs8g08390.1/Cs8g083	8.76	0		0	2	MASCOT	T	PLEX8
3.65E-03	0|0	Cs8g08390.1/Cs8g083	4.03	0		0	2	MASCOT	T	PLEX8
7.95E-02	0|0	Cs8g08390.1/Cs8g083	6	0		0	2	MASCOT	T	PLEX8
3.40E-02	0|0	Cs8g08390.1/Cs8g083	5.84	0		0	2	MASCOT	T	
1.07E-02	0|0	Cs8g08390.1/Cs8g083	8.23	0		0	2	MASCOT	T	PLEX8
1.67E-01	0|0	Cs8g08390.1/Cs8g083	8.23	0		0	2	MASCOT	T	PLEX8
3.41E-04	0|0	Cs8g08390.1/Cs8g083	5.81	0		0	2	MASCOT	T	
4.73E-02	0|0	Cs8g19410.1	8.76	0		0	2	MASCOT	T	PLEX8
4.78E-02	0|0	Cs8g19410.1	4.53	0		0	2	MASCOT	T	PLEX8
3.74E-02	0|0	Cs6g07270.1/Cs8g194	5.84	0	15.9	0	2	MASCOT	T	PLEX8
2.68E-02	0|0	Cs8g19410.1	4.37	0		0	2	MASCOT	T	PLEX8
2.35E-02	0|0	Cs8g19410.1	4.68	1		0	2	MASCOT	T	PLEX8
1.28E-02	0|0	Cs8g19410.1	4.68	1		0	2	MASCOT	T	PLEX8
1.34E-01	0|0	Cs8g19410.1	9.75	0		0	2	MASCOT	T	PLEX8
6.18E-04	0|0	Cs8g19410.1	5.55	0		0	2	MASCOT	T	PLEX8
4.24E-03	0|0	orange1.1t03237.1/ora	8.63	0		0	2	MASCOT	T	PLEX8
1.42E-02	0|0	orange1.1t03237.1/ora	5.84	0		0	2	MASCOT	T	PLEX8
3.69E-03	0|0	orange1.1t03237.1/ora	5.72	0		0	2	MASCOT	T	PLEX8
1.41E-02	0|0	orange1.1t03237.1/ora	5.72	0		0	2	MASCOT	T	
2.01E-04	0|0	orange1.1t03237.1/ora	4.75	0		0	2	MASCOT	T	PLEX8
4.83E-01	0|0	orange1.1t03237.1/ora	9.76	0		0	2	MASCOT	T	PLEX8
1.34E-02	0|0	orange1.1t03237.1/ora	4.8	0		0	2	MASCOT	T	
1.66E-01	0|0	orange1.1t03237.1/ora	5.94	0		0	2	MASCOT	T	
1.52E-02	0|0	Cs3g26050.1	4.14	0	15.9	0	2	MASCOT	T	
1.53E-01	0|0	Cs3g26050.1	4.37	0		0	2	MASCOT	T	
2.94E-01	0|0	Cs3g26050.1	6.75	0		0	2	MASCOT	T	PLEX8
3.13E-04	0|0	Cs3g26050.1	4.37	0		0	2	MASCOT	T	PLEX8
3.14E-05	0|0	Cs3g26050.1	8.75	0		0	2	MASCOT	T	PLEX8

6.92E-02	0|0	Cs3g26050.1	5.55	0	0	2	MASCOT	T		
9.59E-02	0|0	Cs3g26050.1	4.53	0	0	2	MASCOT	T	PLEX8	
5.03E-02	0|0	Cs4g04430.1	4.78	0	0	2	MASCOT	T	PLEX8	
5.71E-03	0|0	Cs4g04430.1/Cs4g044	4.14	0	0	2	MASCOT	T	PLEX8	
3.36E-03	0|0	Cs4g04430.1/Cs4g044	5.32	0	0	2	MASCOT	T	PLEX8	
1.44E-01	0|0	Cs4g04430.1/Cs4g044	8.06	0	0	2	MASCOT	T	PLEX8	
1.23E-01	0|0	Cs4g04430.1/Cs4g044	5.84	0	0	2	MASCOT	T		
7.32E-02	0|0	Cs4g04430.1/Cs4g044	5.83	0	15.9	0	2	MASCOT	T	PLEX8
6.78E-02	0|0	Cs4g04430.1/Cs4g044	5.32	0	0	2	MASCOT	T	PLEX8	
1.24E-03	0|0	Cs9g16780.1	5.32	0	0	2	MASCOT	T		
1.07E-02	0|0	Cs9g16780.1	4.65	0	0	2	MASCOT	T	PLEX8	
1.73E-03	0|0	Cs9g16780.1	8.47	0	0	2	MASCOT	T	PLEX8	
6.75E-02	0|0	Cs9g16780.1	4.37	0	0	2	MASCOT	T	PLEX8	
3.49E-02	0|0	Cs9g16780.1	6.74	0	0	2	MASCOT	T	PLEX8	
3.18E-01	0|0	Cs9g16780.1	8.59	0	0	2	MASCOT	T	PLEX8	
2.03E-03	0|0	Cs1g16850.1/Cs6g202	9.44	0	0	2	MASCOT	T	PLEX8	
1.07E-01	0|0	Cs6g15550.1/Cs6g155	4.56	0	15.9	0	2	MASCOT	T	PLEX8
5.38E-02	0|0	Cs6g15550.1/Cs6g155	4.56	0	15.9	0	2	MASCOT	T	PLEX8
4.71E-01	0|0	Cs6g15550.1/Cs6g155	4.56	0	15.9	0	2	MASCOT	T	PLEX8
8.84E-02	0|0	Cs6g15550.1/Cs6g155	4.56	0	15.9	0	2	MASCOT	T	PLEX8
1.26E-01	0|0	Cs6g15550.1/Cs6g155	4.56	0	15.9	0	2	MASCOT	T	PLEX8
1.04E-01	0|0	Cs6g15550.1/Cs6g155	4.56	0	15.9	0	2	MASCOT	T	PLEX8
5.98E-02	0|0	Cs6g15550.1/Cs6g155	4.56	0	15.9	0	2	MASCOT	T	PLEX8
5.95E-03	0|0	Cs6g15550.1/Cs6g155	4.56	0	15.9	0	2	MASCOT	T	
8.62E-03	0|0	Cs6g15550.1/Cs6g155	4.56	0	15.9	0	2	MASCOT	T	
1.55E-02	0|0	Cs6g15550.1/Cs6g155	4.56	0	0	2	MASCOT	T	PLEX8	
2.95E-01	0|0	Cs6g15550.1/Cs6g155	4.56	0	0	2	MASCOT	T	PLEX8	
2.40E-02	0|0	Cs6g15550.1/Cs6g155	4.56	0	0	2	MASCOT	T	PLEX8	
1.13E-02	0|0	Cs6g15550.1/Cs6g155	4.56	0	0	2	MASCOT	T	PLEX8	
1.32E-01	0|0	Cs6g15550.1/Cs6g155	4.56	0	0	2	MASCOT	T		
1.05E-01	0|0	Cs6g15550.1/Cs6g155	8.27	0	0	2	MASCOT	T		
8.97E-04	0|0	Cs6g15550.1/Cs6g155	8.27	0	0	2	MASCOT	T		
1.28E-03	0|0	Cs6g15550.1/Cs6g155	8.27	0	0	2	MASCOT	T		
9.45E-03	0|0	Cs6g15550.1/Cs6g155	8.27	0	0	2	MASCOT	T	PLEX8	
9.67E-03	0|0	Cs6g15550.1/Cs6g155	8.27	0	0	2	MASCOT	T		
2.80E-01	0|0	Cs6g15550.1/Cs6g155	8.27	0	0	2	MASCOT	T		
9.62E-02	0|0	Cs6g15550.1/Cs6g155	8.27	0	0	2	MASCOT	T		
1.94E-02	0|0	Cs6g15550.1/Cs6g155	8.27	0	0	2	MASCOT	T		
1.62E-03	0|0	Cs6g15550.1/Cs6g155	8.27	0	0	2	MASCOT	T		
1.29E-02	0|0	Cs6g15550.1/Cs6g155	8.27	0	0	2	MASCOT	T		
3.12E-03	0|0	Cs6g15550.1/Cs6g155	8.27	0	0	2	MASCOT	T		
2.93E-03	0|0	Cs6g15550.1/Cs6g155	8.27	0	0	2	MASCOT	T		
1.20E-01	0|0	Cs6g15550.1/Cs6g155	5.88	0	0	2	MASCOT	T	PLEX8	
6.17E-02	0|0	Cs6g15550.1/Cs6g155	5.88	0	0	2	MASCOT	T	PLEX8	
6.69E-04	0|0	Cs6g15550.1/Cs6g155	5.88	0	0	2	MASCOT	T	PLEX8	
9.18E-02	0|0	Cs6g15550.1/Cs6g155	6.75	0	0	2	MASCOT	T	PLEX8	
2.20E-01	0|0	Cs6g15550.1/Cs6g155	6.75	0	0	2	MASCOT	T	PLEX8	
1.89E-03	0|0	Cs6g15550.1/Cs6g155	6.75	0	0	2	MASCOT	T	PLEX8	
1.99E-01	0|0	Cs6g15550.1/Cs6g155	6.75	0	0	2	MASCOT	T	PLEX8	
1.80E-01	0|0	Cs6g15550.1/Cs6g155	6.75	0	0	2	MASCOT	T	PLEX8	
1.58E-02	0|0	Cs6g15550.1/Cs6g155	6.75	0	0	2	MASCOT	T	PLEX8	

6.00E-02	0|0	Cs6g15550.1/Cs6g155	6.75	0	0	2	MASCOT	T	PLEX8
1.99E-02	0|0	Cs6g15550.1/Cs6g155	6.75	0	0	2	MASCOT	T	
3.21E-02	0|0	Cs6g15550.1/Cs6g155	6.75	0	0	2	MASCOT	T	PLEX8
5.13E-02	0|0	Cs6g15550.1/Cs6g155	6.75	0	0	2	MASCOT	T	PLEX8
2.91E-02	0|0	Cs6g15550.1/Cs6g155	6.75	0	0	2	MASCOT	T	PLEX8
2.30E-02	0|0	Cs6g15550.1/Cs6g155	6.75	0	0	2	MASCOT	T	PLEX8
4.65E-02	0|0	Cs6g15550.1/Cs6g155	6.75	0	0	2	MASCOT	T	PLEX8
1.39E-02	0|0	Cs6g15550.1/Cs6g155	8.59	1	0	2	MASCOT	T	PLEX8
2.29E-02	0|0	Cs6g15550.1/Cs6g155	8.59	1	0	2	MASCOT	T	PLEX8
3.51E-05	0|0	Cs6g15550.1/Cs6g155	6	0	0	2	MASCOT	T	PLEX8
8.26E-05	0|0	Cs6g15550.1/Cs6g155	6	0	0	2	MASCOT	T	PLEX8
2.84E-03	0|0	Cs6g15550.1/Cs6g155	6	0	0	2	MASCOT	T	PLEX8
8.82E-02	0|0	Cs6g15550.1/Cs6g155	6	0	0	2	MASCOT	T	PLEX8
8.18E-04	0|0	Cs6g15550.1/Cs6g155	6	0	0	2	MASCOT	T	PLEX8
1.02E-03	0|0	Cs6g15550.1/Cs6g155	6	0	0	2	MASCOT	T	PLEX8
2.44E-02	0|0	Cs6g15550.1/Cs6g155	6	0	0	2	MASCOT	T	PLEX8
2.17E-03	0|0	Cs6g15550.1/Cs6g155	6	0	0	2	MASCOT	T	PLEX8
5.46E-02	0|0	Cs6g15550.1/Cs6g155	6	0	0	2	MASCOT	T	PLEX8
1.58E-01	0|0	Cs6g15550.1/Cs6g155	6	0	0	2	MASCOT	T	PLEX8
8.04E-04	0|0	Cs6g15550.1/Cs6g155	6	0	0	2	MASCOT	T	PLEX8
6.44E-02	0|0	Cs6g15550.1/Cs6g155	6	0	0	2	MASCOT	T	PLEX8
4.68E-02	0|0	Cs6g15550.1/Cs6g155	6	0	0	2	MASCOT	T	PLEX8
2.53E-05	0|0	Cs6g15550.1/Cs6g155	6	0	0	2	MASCOT	T	PLEX8
3.85E-04	0|0	Cs6g15550.1/Cs6g155	6	0	0	2	MASCOT	T	PLEX8
1.95E-05	0|0	Cs6g15550.1/Cs6g155	6	0	0	2	MASCOT	T	PLEX8
4.19E-02	0|0	Cs6g15550.1/Cs6g155	6	0	0	2	MASCOT	T	PLEX8
2.58E-02	0|0	Cs6g15550.1/Cs6g155	6	0	0	2	MASCOT	T	PLEX8
1.63E-01	0|0	Cs6g15550.1/Cs6g155	6	0	0	2	MASCOT	T	PLEX8
9.34E-05	0|0	Cs6g15550.1/Cs6g155	6	0	0	2	MASCOT	T	PLEX8
6.35E-06	0|0	Cs6g15550.1/Cs6g155	6	0	0	2	MASCOT	T	PLEX8
6.26E-04	0|0	Cs6g15550.1/Cs6g155	6	0	0	2	MASCOT	T	PLEX8
5.23E-03	0|0	Cs6g15550.1/Cs6g155	6	0	0	2	MASCOT	T	
1.84E-01	0|0	Cs6g15550.1/Cs6g155	6	0	0	2	MASCOT	T	
3.34E-02	0|0	Cs6g07320.1/Cs7g322	5.88	0	0	2	MASCOT	T	PLEX8
1.70E-01	0|0	Cs6g07320.1/Cs7g322	5.88	0	0	2	MASCOT	T	PLEX8
4.79E-02	0|0	Cs6g07320.1/Cs7g322	5.88	0	0	2	MASCOT	T	PLEX8
6.04E-02	0|0	Cs6g07320.1/Cs7g322	5.88	0	0	2	MASCOT	T	PLEX8
5.30E-02	0|0	Cs6g07320.1/Cs7g322	5.88	0	0	2	MASCOT	T	PLEX8
1.88E-02	0|0	Cs6g07320.1/Cs7g322	5.88	0	0	2	MASCOT	T	PLEX8
1.29E-01	0|0	Cs6g07320.1/Cs7g322	5.88	0	0	2	MASCOT	T	PLEX8
1.69E-02	0|0	Cs6g07320.1/Cs7g322	5.88	0	0	2	MASCOT	T	PLEX8
1.20E-01	0|0	Cs6g07320.1/Cs7g322	5.88	0	0	2	MASCOT	T	PLEX8
3.26E-02	0|0	Cs6g07320.1/Cs7g322	5.88	0	0	2	MASCOT	T	PLEX8
1.80E-02	0|0	Cs6g07320.1/Cs7g322	5.88	0	0	2	MASCOT	T	PLEX8
1.31E-02	0|0	Cs6g07320.1/Cs7g322	5.88	0	0	2	MASCOT	T	PLEX8
1.84E-02	0|0	Cs6g07320.1/Cs7g322	5.88	0	0	2	MASCOT	T	PLEX8
1.31E-01	0|0	Cs6g07320.1/Cs7g322	5.88	0	0	2	MASCOT	T	
3.34E-02	0|0	Cs6g07320.1/Cs7g322	5.88	0	0	2	MASCOT	T	PLEX8
2.61E-02	0|0	Cs6g07320.1/Cs7g322	5.88	0	0	2	MASCOT	T	PLEX8
7.47E-02	0|0	Cs6g07320.1/Cs7g322	5.88	0	0	2	MASCOT	T	
1.65E-02	0|0	Cs6g07320.1/Cs7g322	5.88	0	0	2	MASCOT	T	

2.85E-02	0|0	Cs6g07320.1/Cs7g322	5.88	0	0	2	MASCOT	T	
9.78E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0	15.9	0	2	MASCOT	T PLEX8
6.42E-04	0|0	Cs6g07320.1/Cs8g195	6.05	0	15.9	0	2	MASCOT	T PLEX8
1.04E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0	15.9	0	2	MASCOT	T PLEX8
6.83E-03	0|0	Cs6g07320.1/Cs8g195	6.05	0	15.9	0	2	MASCOT	T PLEX8
7.32E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0	15.9	0	2	MASCOT	T PLEX8
1.19E-01	0|0	Cs6g07320.1/Cs8g195	6.05	0	15.9	0	2	MASCOT	T
4.43E-01	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	0	2	MASCOT	T PLEX8
2.14E-04	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	0	2	MASCOT	T PLEX8
1.74E-01	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	0	2	MASCOT	T PLEX8
1.17E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	0	2	MASCOT	T PLEX8
3.31E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	0	2	MASCOT	T PLEX8
8.98E-04	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	0	2	MASCOT	T PLEX8
7.46E-03	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	0	2	MASCOT	T PLEX8
4.89E-05	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	0	2	MASCOT	T PLEX8
2.27E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	0	2	MASCOT	T PLEX8
2.40E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	0	2	MASCOT	T PLEX8
2.20E-04	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	0	2	MASCOT	T PLEX8
2.81E-03	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	0	2	MASCOT	T PLEX8
3.47E-06	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	0	2	MASCOT	T
3.21E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	0	2	MASCOT	T PLEX8
3.60E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	0	2	MASCOT	T PLEX8
1.90E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	0	2	MASCOT	T PLEX8
9.12E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	0	2	MASCOT	T PLEX8
7.60E-06	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	0	2	MASCOT	T PLEX8
3.96E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	0	2	MASCOT	T PLEX8
2.74E-04	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	0	2	MASCOT	T PLEX8
6.51E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	0	2	MASCOT	T PLEX8
5.35E-03	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	0	2	MASCOT	T PLEX8
2.41E-01	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	0	2	MASCOT	T
8.05E-02	0|0	Cs3g07660.1 ! Cs6g07	5.4	0	0	0	2	MASCOT	T PLEX8
4.85E-02	0|0	Cs3g07660.1 ! Cs6g07	5.4	0	0	0	2	MASCOT	T PLEX8
3.50E-02	0|0	Cs3g07660.1 ! Cs6g07	5.4	0	0	0	2	MASCOT	T PLEX8
3.40E-02	0|0	Cs3g07660.1 ! Cs6g07	5.4	0	0	0	2	MASCOT	T PLEX8
9.44E-02	0|0	Cs3g07660.1 ! Cs6g07	5.4	0	0	0	2	MASCOT	T PLEX8
5.37E-02	0|0	Cs3g07660.1 ! Cs6g07	5.4	0	0	0	2	MASCOT	T
2.63E-01	0|0	Cs3g07660.1 ! Cs6g07	5.4	0	0	0	2	MASCOT	T PLEX8
5.79E-02	0|0	Cs2g24040.1 ! Cs6g07	6	0	0	0	2	MASCOT	T PLEX8
3.69E-02	0|0	Cs6g07320.1/Cs7g322	4.14	0	0	0	2	MASCOT	T PLEX8
1.01E-02	0|0	Cs6g07320.1/Cs7g322	4.14	0	0	0	2	MASCOT	T PLEX8
7.38E-03	0|0	Cs2g24040.1 ! Cs6g07	5.97	0	0	0	2	MASCOT	T PLEX8
6.70E-02	0|0	Cs2g24040.1 ! Cs6g07	5.97	0	0	0	2	MASCOT	T PLEX8
2.33E-01	0|0	Cs2g24040.1 ! Cs6g07	5.97	0	0	0	2	MASCOT	T PLEX8
4.76E-03	0|0	Cs1g07120.1/Cs1g071	5.84	0	0	0	2	MASCOT	T PLEX8
3.24E-02	0|0	Cs1g07120.1/Cs1g071	5.84	0	0	0	2	MASCOT	T PLEX8
8.15E-03	0|0	Cs1g07120.1/Cs1g071	5.84	0	0	0	2	MASCOT	T PLEX8
6.90E-02	0|0	Cs1g07120.1/Cs1g071	5.84	0	0	0	2	MASCOT	T PLEX8
1.38E-01	0|0	Cs1g07120.1/Cs1g071	5.84	0	0	0	2	MASCOT	T PLEX8
6.86E-02	0|0	Cs1g07120.1/Cs1g071	5.84	0	0	0	2	MASCOT	T PLEX8
3.04E-02	0|0	Cs1g07120.1/Cs1g071	8.59	1	0	0	2	MASCOT	T
1.40E-01	0|0	Cs1g07120.1/Cs1g071	5.72	0	0	0	2	MASCOT	T PLEX8

3.43E-01	0|0	Cs1g07120.1/Cs1g071	5.72	0	0	2	MASCOT	T	PLEX8	
1.88E-02	0|0	Cs1g07120.1/Cs1g071	5.72	0	0	2	MASCOT	T	PLEX8	
1.66E-03	0|0	Cs1g07120.1/Cs1g071	5.72	0	0	2	MASCOT	T	PLEX8	
4.48E-02	0|0	Cs1g07120.1/Cs1g071	5.72	0	0	2	MASCOT	T	PLEX8	
2.08E-01	0|0	Cs1g07120.1/Cs1g071	5.72	0	0	2	MASCOT	T	PLEX8	
4.69E-01	0|0	Cs1g07120.1/Cs1g071	5.72	0	0	2	MASCOT	T	PLEX8	
2.12E-01	0|0	Cs1g07120.1/Cs1g071	5.72	0	0	2	MASCOT	T	PLEX8	
1.73E-01	0|0	Cs1g07120.1/Cs1g071	5.72	0	0	2	MASCOT	T	PLEX8	
1.90E-01	0|0	Cs1g07120.1/Cs1g071	5.72	0	0	2	MASCOT	T	PLEX8	
5.45E-02	0|0	Cs1g07120.1/Cs1g071	5.72	0	0	2	MASCOT	T	PLEX8	
1.00E-01	0|0	Cs1g07120.1/Cs1g071	4.37	0	0	2	MASCOT	T	PLEX8	
3.66E-03	0|0	Cs1g07120.1/Cs1g071	4.37	0	0	2	MASCOT	T		
8.79E-02	0|0	Cs1g07120.1/Cs1g071	4.37	0	0	2	MASCOT	T		
1.95E-01	0|0	Cs1g07120.1/Cs1g071	4.37	0	0	2	MASCOT	T		
1.45E-02	0|0	Cs1g07120.1/Cs1g071	4.37	0	0	2	MASCOT	T		
1.80E-03	0|0	Cs1g07120.1/Cs1g071	4.37	0	0	2	MASCOT	T		
6.61E-05	0|0	Cs1g07120.1/Cs1g071	4.37	0	0	2	MASCOT	T		
1.50E-01	0|0	Cs1g07120.1/Cs1g071	4.37	0	0	2	MASCOT	T		
6.49E-05	0|0	Cs1g07120.1/Cs1g071	4.37	0	0	2	MASCOT	T		
5.47E-02	0|0	Cs1g07120.1/Cs1g071	5.3	0	15.9	0	2	MASCOT	T	PLEX8
7.14E-02	0|0	Cs1g07120.1/Cs1g071	5.3	0	15.9	0	2	MASCOT	T	PLEX8
3.13E-02	0|0	Cs1g07120.1/Cs1g071	5.3	0	15.9	0	2	MASCOT	T	PLEX8
4.08E-03	0|0	Cs1g07120.1/Cs1g071	5.3	0	15.9	0	2	MASCOT	T	PLEX8
6.11E-03	0|0	Cs1g07120.1/Cs1g071	5.3	0	15.9	0	2	MASCOT	T	PLEX8
2.70E-02	0|0	Cs1g07120.1/Cs1g071	5.3	0	15.9	0	2	MASCOT	T	PLEX8
1.39E-03	0|0	Cs1g07120.1/Cs1g071	5.3	0	0	2	MASCOT	T	PLEX8	
1.32E-01	0|0	Cs1g07120.1/Cs1g071	5.3	0	0	2	MASCOT	T		
1.40E-01	0|0	Cs1g07120.1/Cs1g071	5.3	0	0	2	MASCOT	T	PLEX8	
1.79E-03	0|0	Cs1g07120.1/Cs1g071	5.3	0	0	2	MASCOT	T	PLEX8	
4.73E-02	0|0	Cs1g07120.1/Cs1g071	5.3	0	0	2	MASCOT	T		
3.31E-02	0|0	Cs1g07120.1/Cs1g071	5.3	0	0	2	MASCOT	T	PLEX8	
7.51E-02	0|0	Cs1g07120.1/Cs1g071	8.47	0	15.9	0	2	MASCOT	T	PLEX8
3.69E-02	0|0	Cs1g07120.1/Cs1g071	8.47	0	15.9	0	2	MASCOT	T	PLEX8
6.36E-02	0|0	Cs1g07120.1/Cs1g071	8.47	0	15.9	0	2	MASCOT	T	PLEX8
3.64E-01	0|0	Cs1g07120.1/Cs1g071	8.47	0	15.9	0	2	MASCOT	T	PLEX8
6.02E-02	0|0	Cs1g07120.1/Cs1g071	8.47	0	15.9	0	2	MASCOT	T	PLEX8
6.18E-02	0|0	Cs1g07120.1/Cs1g071	8.47	0	15.9	0	2	MASCOT	T	PLEX8
1.04E-02	0|0	Cs1g07120.1/Cs1g071	8.47	0	15.9	0	2	MASCOT	T	PLEX8
6.55E-02	0|0	Cs1g07120.1/Cs1g071	8.47	0	15.9	0	2	MASCOT	T	PLEX8
1.08E-01	0|0	Cs1g07120.1/Cs1g071	8.47	0	15.9	0	2	MASCOT	T	
3.10E-02	0|0	Cs1g07120.1/Cs1g071	8.47	0	0	2	MASCOT	T	PLEX8	
2.16E-02	0|0	Cs1g07120.1/Cs1g071	8.47	0	0	2	MASCOT	T	PLEX8	
1.33E-02	0|0	Cs1g07120.1/Cs1g071	8.47	0	0	2	MASCOT	T	PLEX8	
1.31E-01	0|0	Cs1g07120.1/Cs1g071	8.47	0	0	2	MASCOT	T	PLEX8	
2.87E-01	0|0	Cs1g07120.1/Cs1g071	8.47	0	0	2	MASCOT	T	PLEX8	
4.75E-03	0|0	Cs1g07120.1/Cs1g071	8.47	0	0	2	MASCOT	T	PLEX8	
2.76E-02	0|0	Cs1g07120.1/Cs1g071	8.47	0	0	2	MASCOT	T		
1.83E-02	0|0	Cs1g07120.1/Cs1g071	8.47	0	0	2	MASCOT	T	PLEX8	
9.78E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0	15.9	0	2	MASCOT	T	PLEX8
6.42E-04	0|0	Cs6g07320.1/Cs8g195	6.05	0	15.9	0	2	MASCOT	T	PLEX8
1.04E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0	15.9	0	2	MASCOT	T	PLEX8

6.83E-03	0|0	Cs6g07320.1/Cs8g195	6.05	0	15.9	0	2	MASCOT	T	PLEX8
7.32E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0	15.9	0	2	MASCOT	T	PLEX8
1.19E-01	0|0	Cs6g07320.1/Cs8g195	6.05	0	15.9	0	2	MASCOT	T	
4.43E-01	0|0	Cs6g07320.1/Cs8g195	6.05	0		0	2	MASCOT	T	PLEX8
2.14E-04	0|0	Cs6g07320.1/Cs8g195	6.05	0		0	2	MASCOT	T	PLEX8
1.74E-01	0|0	Cs6g07320.1/Cs8g195	6.05	0		0	2	MASCOT	T	PLEX8
1.17E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0		0	2	MASCOT	T	PLEX8
3.31E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0		0	2	MASCOT	T	PLEX8
8.98E-04	0|0	Cs6g07320.1/Cs8g195	6.05	0		0	2	MASCOT	T	PLEX8
7.46E-03	0|0	Cs6g07320.1/Cs8g195	6.05	0		0	2	MASCOT	T	PLEX8
4.89E-05	0|0	Cs6g07320.1/Cs8g195	6.05	0		0	2	MASCOT	T	PLEX8
2.27E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0		0	2	MASCOT	T	PLEX8
2.40E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0		0	2	MASCOT	T	PLEX8
2.20E-04	0|0	Cs6g07320.1/Cs8g195	6.05	0		0	2	MASCOT	T	PLEX8
2.81E-03	0|0	Cs6g07320.1/Cs8g195	6.05	0		0	2	MASCOT	T	PLEX8
3.47E-06	0|0	Cs6g07320.1/Cs8g195	6.05	0		0	2	MASCOT	T	
3.21E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0		0	2	MASCOT	T	PLEX8
3.60E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0		0	2	MASCOT	T	PLEX8
1.90E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0		0	2	MASCOT	T	PLEX8
9.12E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0		0	2	MASCOT	T	PLEX8
7.60E-06	0|0	Cs6g07320.1/Cs8g195	6.05	0		0	2	MASCOT	T	PLEX8
3.96E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0		0	2	MASCOT	T	PLEX8
2.74E-04	0|0	Cs6g07320.1/Cs8g195	6.05	0		0	2	MASCOT	T	PLEX8
6.51E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0		0	2	MASCOT	T	PLEX8
5.35E-03	0|0	Cs6g07320.1/Cs8g195	6.05	0		0	2	MASCOT	T	PLEX8
2.41E-01	0|0	Cs6g07320.1/Cs8g195	6.05	0		0	2	MASCOT	T	
8.05E-02	0|0	Cs3g07660.1 ! Cs6g07	5.4	0		0	2	MASCOT	T	PLEX8
4.85E-02	0|0	Cs3g07660.1 ! Cs6g07	5.4	0		0	2	MASCOT	T	PLEX8
3.50E-02	0|0	Cs3g07660.1 ! Cs6g07	5.4	0		0	2	MASCOT	T	PLEX8
3.40E-02	0|0	Cs3g07660.1 ! Cs6g07	5.4	0		0	2	MASCOT	T	PLEX8
9.44E-02	0|0	Cs3g07660.1 ! Cs6g07	5.4	0		0	2	MASCOT	T	PLEX8
5.37E-02	0|0	Cs3g07660.1 ! Cs6g07	5.4	0		0	2	MASCOT	T	
2.63E-01	0|0	Cs3g07660.1 ! Cs6g07	5.4	0		0	2	MASCOT	T	PLEX8
5.79E-02	0|0	Cs2g24040.1 ! Cs6g07	6	0		0	2	MASCOT	T	PLEX8
2.01E-03	0|0	Cs8g19490.1/Cs8g195	3.92	0		0	2	MASCOT	T	PLEX8
1.36E-02	0|0	Cs8g19490.1/Cs8g195	3.92	0		0	2	MASCOT	T	PLEX8
1.18E-03	0|0	Cs8g19490.1/Cs8g195	3.92	0		0	2	MASCOT	T	
1.95E-03	0|0	Cs8g19490.1/Cs8g195	3.92	0		0	2	MASCOT	T	
2.88E-02	0|0	Cs8g19490.1/Cs8g195	3.92	0		0	2	MASCOT	T	
4.09E-03	0|0	Cs8g19490.1/Cs8g195	3.92	0		0	2	MASCOT	T	
6.88E-03	0|0	Cs8g19490.1/Cs8g195	3.92	0		0	2	MASCOT	T	
3.03E-03	0|0	Cs8g19490.1/Cs8g195	3.92	0		0	2	MASCOT	T	PLEX8
6.86E-02	0|0	Cs8g19490.1/Cs8g195	4.32	1		0	2	MASCOT	T	
3.72E-02	0|0	Cs8g19490.1/Cs8g195	4.32	1		0	2	MASCOT	T	
2.23E-02	0|0	Cs8g19490.1/Cs8g195	9.47	0	15.9	0	2	MASCOT	T	PLEX8
3.93E-02	0|0	Cs8g19490.1/Cs8g195	9.47	0		0	2	MASCOT	T	PLEX8
1.67E-02	0|0	Cs8g19490.1/Cs8g195	9.47	0		0	2	MASCOT	T	PLEX8
9.78E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0	15.9	0	2	MASCOT	T	PLEX8
6.42E-04	0|0	Cs6g07320.1/Cs8g195	6.05	0	15.9	0	2	MASCOT	T	PLEX8
1.04E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0	15.9	0	2	MASCOT	T	PLEX8
6.83E-03	0|0	Cs6g07320.1/Cs8g195	6.05	0	15.9	0	2	MASCOT	T	PLEX8

7.32E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0	15.9	0	2	MASCOT	T	PLEX8
1.19E-01	0|0	Cs6g07320.1/Cs8g195	6.05	0	15.9	0	2	MASCOT	T	
4.43E-01	0|0	Cs6g07320.1/Cs8g195	6.05	0		0	2	MASCOT	T	PLEX8
2.14E-04	0|0	Cs6g07320.1/Cs8g195	6.05	0		0	2	MASCOT	T	PLEX8
1.74E-01	0|0	Cs6g07320.1/Cs8g195	6.05	0		0	2	MASCOT	T	PLEX8
1.17E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0		0	2	MASCOT	T	PLEX8
3.31E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0		0	2	MASCOT	T	PLEX8
8.98E-04	0|0	Cs6g07320.1/Cs8g195	6.05	0		0	2	MASCOT	T	PLEX8
7.46E-03	0|0	Cs6g07320.1/Cs8g195	6.05	0		0	2	MASCOT	T	PLEX8
4.89E-05	0|0	Cs6g07320.1/Cs8g195	6.05	0		0	2	MASCOT	T	PLEX8
2.27E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0		0	2	MASCOT	T	PLEX8
2.40E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0		0	2	MASCOT	T	PLEX8
2.20E-04	0|0	Cs6g07320.1/Cs8g195	6.05	0		0	2	MASCOT	T	PLEX8
2.81E-03	0|0	Cs6g07320.1/Cs8g195	6.05	0		0	2	MASCOT	T	PLEX8
3.47E-06	0|0	Cs6g07320.1/Cs8g195	6.05	0		0	2	MASCOT	T	
3.21E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0		0	2	MASCOT	T	PLEX8
3.60E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0		0	2	MASCOT	T	PLEX8
1.90E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0		0	2	MASCOT	T	PLEX8
9.12E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0		0	2	MASCOT	T	PLEX8
7.60E-06	0|0	Cs6g07320.1/Cs8g195	6.05	0		0	2	MASCOT	T	PLEX8
3.96E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0		0	2	MASCOT	T	PLEX8
2.74E-04	0|0	Cs6g07320.1/Cs8g195	6.05	0		0	2	MASCOT	T	PLEX8
6.51E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0		0	2	MASCOT	T	PLEX8
5.35E-03	0|0	Cs6g07320.1/Cs8g195	6.05	0		0	2	MASCOT	T	PLEX8
2.41E-01	0|0	Cs6g07320.1/Cs8g195	6.05	0		0	2	MASCOT	T	
5.87E-03	0|0	Cs8g18020.1/Cs8g183	4.33	1		0	2	MASCOT	T	PLEX8
1.61E-02	0|0	Cs8g18020.1/Cs8g183	4.33	1		0	2	MASCOT	T	PLEX8
5.66E-03	0|0	Cs8g18020.1/Cs8g183	4.33	1		0	2	MASCOT	T	PLEX8
2.47E-01	0|0	Cs8g18020.1/Cs8g183	6.85	0		0	2	MASCOT	T	PLEX8
2.19E-01	0|0	Cs8g18020.1/Cs8g183	6.85	0		0	2	MASCOT	T	PLEX8
5.37E-02	0|0	Cs8g18020.1/Cs8g183	6.85	0		0	2	MASCOT	T	PLEX8
1.63E-01	0|0	Cs8g18020.1/Cs8g183	6.85	0		0	2	MASCOT	T	PLEX8
1.20E-01	0|0	Cs8g18020.1/Cs8g183	6.85	0		0	2	MASCOT	T	PLEX8
3.60E-01	0|0	Cs8g18020.1/Cs8g183	6.85	0		0	2	MASCOT	T	PLEX8
6.80E-02	0|0	Cs8g18020.1/Cs8g183	6.85	0		0	2	MASCOT	T	PLEX8
4.03E-02	0|0	Cs8g18020.1/Cs8g183	6.85	0		0	2	MASCOT	T	PLEX8
2.35E-01	0|0	Cs8g18020.1/Cs8g183	6.85	0		0	2	MASCOT	T	PLEX8
5.74E-02	0|0	Cs8g18020.1/Cs8g183	4.25	0		0	2	MASCOT	T	PLEX8
1.02E-02	0|0	Cs8g18020.1/Cs8g183	4.25	0		0	2	MASCOT	T	PLEX8
9.10E-02	0|0	Cs8g18020.1/Cs8g183	4.25	0		0	2	MASCOT	T	PLEX8
3.36E-04	0|0	Cs8g18020.1	4.37	0		0	2	MASCOT	T	PLEX8
4.71E-03	0|0	Cs8g18020.1	4.37	0		0	2	MASCOT	T	PLEX8
1.39E-01	0|0	Cs8g18020.1 ! Cs8g18	5.84	0		0	2	MASCOT	T	PLEX8
2.20E-01	0|0	Cs8g03160.1/Cs8g031	3.84	0		0	2	MASCOT	T	PLEX8
1.52E-01	0|0	Cs8g03160.1/Cs8g031	3.84	0		0	2	MASCOT	T	PLEX8
1.36E-03	0|0	Cs8g03160.1/Cs8g031	3.84	0		0	2	MASCOT	T	PLEX8
1.49E-05	0|0	Cs8g03160.1/Cs8g031	3.84	0		0	2	MASCOT	T	PLEX8
1.01E-02	0|0	Cs8g03160.1/Cs8g031	3.84	0		0	2	MASCOT	T	PLEX8
9.83E-02	0|0	Cs8g03160.1/Cs8g031	3.84	0		0	2	MASCOT	T	PLEX8
3.59E-01	0|0	Cs8g03160.1/Cs8g031	8.75	0		0	2	MASCOT	T	PLEX8
1.02E-02	0|0	Cs8g03160.1/Cs8g031	4.21	0		0	2	MASCOT	T	PLEX8

2.27E-01	0|0	Cs8g03160.1/Cs8g031	4.21	0	0	2	MASCOT	T	PLEX8	
3.51E-02	0|0	Cs8g03160.1/Cs8g031	4.21	0	0	2	MASCOT	T	PLEX8	
5.64E-02	0|0	Cs8g03160.1/Cs8g031	4.14	0	15.9	0	2	MASCOT	T	PLEX8
8.19E-02	0|0	Cs8g03160.1/Cs8g031	4.14	0	15.9	0	2	MASCOT	T	PLEX8
1.56E-01	0|0	Cs8g03160.1/Cs8g031	4.14	0	15.9	0	2	MASCOT	T	PLEX8
6.62E-03	0|0	Cs8g03160.1/Cs8g031	4.14	0	15.9	0	2	MASCOT	T	
6.33E-05	0|0	Cs8g03160.1/Cs8g031	4.14	0	0	2	MASCOT	T		
9.86E-02	0|0	Cs8g03160.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.14E-03	0|0	Cs8g03160.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.39E-03	0|0	Cs8g03160.1	4.53	0	0	2	MASCOT	T	PLEX8	
7.32E-03	0|0	Cs8g03160.1	4.53	0	0	2	MASCOT	T	PLEX8	
2.30E-03	0|0	Cs8g03160.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.50E-02	0|0	Cs8g03160.1/Cs8g031	8.72	0	0	2	MASCOT	T	PLEX8	
2.30E-02	0|0	Cs8g03160.1/Cs8g031	8.72	0	0	2	MASCOT	T	PLEX8	
4.07E-03	0|0	Cs8g03160.1/Cs8g031	8.72	0	0	2	MASCOT	T	PLEX8	
2.39E-02	0|0	Cs8g03160.1/Cs8g031	8.72	0	0	2	MASCOT	T	PLEX8	
2.27E-01	0|0	Cs8g03160.1/Cs8g031	8.72	0	0	2	MASCOT	T	PLEX8	
4.28E-02	0|0	Cs8g03160.1/Cs8g031	8.72	0	0	2	MASCOT	T	PLEX8	
3.95E-01	0|0	Cs8g03160.1/Cs8g031	8.72	0	0	2	MASCOT	T	PLEX8	
2.71E-02	0|0	Cs8g03160.1/Cs8g031	8.72	0	0	2	MASCOT	T	PLEX8	
2.37E-02	0|0	Cs8g03160.1/Cs8g031	8.72	0	0	2	MASCOT	T	PLEX8	
1.73E-01	0|0	Cs8g03160.1/Cs8g031	8.72	0	0	2	MASCOT	T		
6.62E-02	0|0	Cs8g03160.1/Cs8g031	8.72	0	0	2	MASCOT	T		
8.79E-02	0|0	Cs7g10260.1/Cs7g102	8.8	0	0	2	MASCOT	T	PLEX8	
1.60E-02	0|0	Cs7g10260.1/Cs7g102	8.8	0	0	2	MASCOT	T	PLEX8	
2.82E-01	0|0	Cs7g10260.1/Cs7g102	8.8	0	0	2	MASCOT	T	PLEX8	
2.19E-01	0|0	Cs7g10260.1/Cs7g102	8.8	0	0	2	MASCOT	T	PLEX8	
1.44E-01	0|0	Cs7g10260.1/Cs7g102	8.8	0	0	2	MASCOT	T	PLEX8	
3.91E-03	0|0	Cs7g10260.1/Cs7g102	8.8	0	0	2	MASCOT	T	PLEX8	
7.41E-02	0|0	Cs7g10260.1/Cs7g102	8.8	0	0	2	MASCOT	T	PLEX8	
2.13E-01	0|0	Cs7g10260.1/Cs7g102	4.14	0	15.9	0	2	MASCOT	T	PLEX8
4.10E-02	0|0	Cs7g10260.1/Cs7g102	4.14	0	0	2	MASCOT	T	PLEX8	
1.83E-03	0|0	Cs7g10260.1/Cs7g102	4.14	0	0	2	MASCOT	T	PLEX8	
1.97E-03	0|0	Cs7g10260.1/Cs7g102	4.14	0	0	2	MASCOT	T	PLEX8	
6.59E-02	0|0	Cs7g10260.1/Cs7g102	4.14	0	0	2	MASCOT	T	PLEX8	
3.15E-02	0|0	Cs7g10260.1/Cs7g102	4.14	0	0	2	MASCOT	T	PLEX8	
1.36E-01	0|0	Cs7g10260.1/Cs7g102	4.25	0	0	2	MASCOT	T	PLEX8	
4.29E-02	0|0	Cs7g10260.1/Cs7g102	4.25	0	0	2	MASCOT	T	PLEX8	
4.35E-03	0|0	Cs7g10260.1/Cs7g102	4.14	0	0	2	MASCOT	T		
7.65E-05	0|0	Cs7g10260.1/Cs7g102	4.14	0	0	2	MASCOT	T		
5.05E-06	0|0	Cs7g10260.1/Cs7g102	4.14	0	0	2	MASCOT	T		
2.29E-02	0|0	Cs7g10260.1/Cs7g102	8.8	0	0	2	MASCOT	T	PLEX8	
1.33E-01	0|0	Cs7g10260.1/Cs7g102	8.8	0	0	2	MASCOT	T	PLEX8	
2.04E-01	0|0	Cs7g10260.1/Cs7g102	8.8	0	0	2	MASCOT	T	PLEX8	
5.21E-02	0|0	Cs7g10260.1/Cs7g102	8.8	0	0	2	MASCOT	T	PLEX8	
1.27E-02	0|0	Cs7g10260.1/Cs7g102	8.8	0	0	2	MASCOT	T	PLEX8	
1.78E-04	0|0	Cs7g10260.1/Cs7g102	5.84	0	15.9	0	2	MASCOT	T	
1.14E-03	0|0	Cs7g10260.1/Cs7g102	5.84	0	0	2	MASCOT	T		
2.69E-07	0|0	Cs7g10260.1/Cs7g102	5.84	0	0	2	MASCOT	T		
1.98E-04	0|0	Cs7g10260.1/Cs7g102	5.84	0	0	2	MASCOT	T		
3.51E-02	0|0	Cs3g09310.1/Cs3g093	3.83	0	0	2	MASCOT	T	PLEX8	

3.54E-03	0|0	Cs3g09310.1/Cs3g093	3.83	0	0	2	MASCOT	T	PLEX8
1.17E-02	0|0	Cs3g09310.1/Cs3g093	3.83	0	0	2	MASCOT	T	PLEX8
3.71E-03	0|0	Cs3g09310.1/Cs3g093	3.83	0	0	2	MASCOT	T	PLEX8
2.66E-04	0|0	Cs3g09310.1/Cs3g093	3.98	0	0	2	MASCOT	T	
4.97E-03	0|0	Cs3g09310.1/Cs3g093	3.98	0	0	2	MASCOT	T	
4.35E-02	0|0	Cs3g09310.1/Cs3g093	3.98	0	0	2	MASCOT	T	
1.79E-04	0|0	Cs3g09310.1/Cs3g093	3.98	0	0	2	MASCOT	T	
1.18E-04	0|0	Cs3g09310.1/Cs3g093	3.98	0	0	2	MASCOT	T	
5.54E-02	0|0	Cs3g09310.1/Cs3g093	4.14	0	0	2	MASCOT	T	PLEX8
4.25E-02	0|0	Cs3g09310.1/Cs3g093	8.8	0	0	2	MASCOT	T	PLEX8
4.00E-02	0|0	Cs3g09310.1/Cs3g093	8.8	0	0	2	MASCOT	T	PLEX8
1.19E-01	0|0	Cs3g09310.1/Cs3g093	8.8	0	0	2	MASCOT	T	PLEX8
4.69E-02	0|0	Cs3g09310.1/Cs3g093	8.8	0	0	2	MASCOT	T	PLEX8
1.02E-01	0|0	Cs3g09310.1/Cs3g093	8.8	0	0	2	MASCOT	T	
1.32E-01	0|0	Cs3g09310.1/Cs3g093	4.37	0	0	2	MASCOT	T	
3.06E-02	0|0	Cs3g09310.1/Cs3g093	4.37	0	0	2	MASCOT	T	
9.54E-03	0|0	Cs3g09310.1/Cs3g093	4.37	0	0	2	MASCOT	T	
1.65E-03	0|0	Cs3g09310.1/Cs3g093	5.84	0	0	2	MASCOT	T	PLEX8
6.26E-02	0|0	Cs3g09310.1/Cs3g093	5.84	0	0	2	MASCOT	T	PLEX8
6.54E-03	0|0	Cs3g09310.1/Cs3g093	5.84	0	0	2	MASCOT	T	PLEX8
4.07E-03	0|0	Cs3g09310.1/Cs3g093	5.84	0	0	2	MASCOT	T	PLEX8
1.05E-02	0|0	Cs3g09310.1/Cs3g093	5.84	0	0	2	MASCOT	T	PLEX8
5.14E-03	0|0	Cs3g09310.1/Cs3g093	5.84	0	0	2	MASCOT	T	PLEX8
2.98E-04	0|0	Cs3g09310.1/Cs3g093	5.84	0	0	2	MASCOT	T	PLEX8
3.53E-02	0|0	Cs7g02160.1/Cs7g021	4.37	0	0	2	MASCOT	T	PLEX8
2.47E-03	0|0	Cs7g02160.1/Cs7g021	4.37	0	0	2	MASCOT	T	
1.79E-01	0|0	Cs7g02160.1/Cs7g021	5.97	0	0	2	MASCOT	T	PLEX8
1.40E-03	0|0	Cs7g02160.1/Cs7g021	5.97	0	0	2	MASCOT	T	PLEX8
1.04E-05	0|0	Cs7g02160.1/Cs7g021	5.97	0	0	2	MASCOT	T	PLEX8
4.81E-03	0|0	Cs7g02160.1/Cs7g021	5.97	0	0	2	MASCOT	T	PLEX8
9.95E-05	0|0	Cs7g02160.1/Cs7g021	5.97	0	0	2	MASCOT	T	PLEX8
2.27E-04	0|0	Cs7g02160.1/Cs7g021	5.97	0	0	2	MASCOT	T	PLEX8
4.00E-03	0|0	Cs7g02160.1/Cs7g021	5.97	0	0	2	MASCOT	T	PLEX8
2.96E-02	0|0	Cs7g02160.1/Cs7g021	5.4	0	0	2	MASCOT	T	PLEX8
1.30E-01	0|0	Cs7g02160.1/Cs7g021	5.4	0	0	2	MASCOT	T	PLEX8
9.40E-03	0|0	Cs7g02160.1/Cs7g021	5.4	0	0	2	MASCOT	T	PLEX8
7.50E-02	0|0	Cs7g02160.1/Cs7g021	5.4	0	0	2	MASCOT	T	PLEX8
2.97E-01	0|0	Cs7g02160.1/Cs7g021	5.4	0	0	2	MASCOT	T	PLEX8
1.69E-02	0|0	Cs2g30490.1/Cs7g021	4.21	0	0	2	MASCOT	T	PLEX8
3.14E-04	0|0	Cs2g30490.1/Cs7g021	4.21	0	0	2	MASCOT	T	PLEX8
3.16E-02	0|0	Cs2g30490.1/Cs7g021	4.21	0	0	2	MASCOT	T	
2.05E-02	0|0	Cs7g02160.1/Cs7g021	8.72	0	0	2	MASCOT	T	PLEX8
1.00E-02	0|0	Cs7g02160.1/Cs7g021	8.72	0	0	2	MASCOT	T	PLEX8
2.14E-04	0|0	Cs2g30490.1/Cs7g021	6	0	0	2	MASCOT	T	
2.95E-02	0|0	Cs2g30490.1/Cs7g021	6	0	0	2	MASCOT	T	
1.16E-03	0|0	Cs2g30490.1/Cs7g021	6	0	0	2	MASCOT	T	
1.85E-06	0|0	Cs2g30490.1/Cs7g021	6	0	0	2	MASCOT	T	
1.72E-04	0|0	Cs2g30490.1/Cs7g021	6	0	0	2	MASCOT	T	PLEX8
9.68E-04	0|0	Cs2g30490.1/Cs7g021	6	0	0	2	MASCOT	T	PLEX8
3.05E-01	0|0	orange1.1t05236.1 ! C:	4.37	0	0	2	MASCOT	T	PLEX8
1.40E-01	0|0	orange1.1t05236.1 ! C:	4.37	0	0	2	MASCOT	T	PLEX8

3.93E-01	0|0	orange1.1t05236.1 ! C:	4.37	0	0	2	MASCOT	T	PLEX8	
3.78E-02	0|0	Cs3g04190.1/Cs3g043	4.53	0	0	2	MASCOT	T	PLEX8	
1.15E-02	0|0	Cs3g04190.1/Cs3g043	4.53	0	0	2	MASCOT	T	PLEX8	
9.06E-03	0|0	Cs3g04190.1/Cs3g043	4.53	0	0	2	MASCOT	T	PLEX8	
2.72E-04	0|0	Cs3g04190.1/Cs3g043	4.53	0	0	2	MASCOT	T	PLEX8	
8.38E-03	0|0	Cs3g04190.1/Cs3g043	4.53	0	0	2	MASCOT	T		
6.24E-04	0|0	Cs3g04190.1/Cs3g043	4.53	0	0	2	MASCOT	T	PLEX8	
4.30E-03	0|0	Cs3g04170.1/Cs3g041	4.25	0	0	2	MASCOT	T		
5.94E-04	0|0	Cs3g04170.1/Cs3g041	6.75	0	0	2	MASCOT	T	PLEX8	
1.85E-03	0|0	Cs3g04170.1/Cs3g041	6.75	0	0	2	MASCOT	T	PLEX8	
7.76E-02	0|0	Cs3g04170.1/Cs3g041	6.75	0	0	2	MASCOT	T	PLEX8	
3.39E-03	0|0	Cs3g04170.1/Cs3g041	6.75	0	0	2	MASCOT	T	PLEX8	
9.98E-03	0|0	Cs3g04170.1/Cs3g041	6.75	0	0	2	MASCOT	T		
4.59E-04	0|0	Cs3g04170.1/Cs3g041	6.75	0	0	2	MASCOT	T		
5.32E-02	0|0	Cs3g04170.1/Cs3g041	6.75	0	0	2	MASCOT	T	PLEX8	
4.94E-04	0|0	Cs3g04170.1/Cs3g041	6.75	0	0	2	MASCOT	T	PLEX8	
2.55E-03	0|0	Cs3g04170.1/Cs3g041	6.75	0	0	2	MASCOT	T	PLEX8	
4.85E-04	0|0	Cs3g04170.1/Cs3g041	6.75	0	0	2	MASCOT	T	PLEX8	
8.32E-04	0|0	Cs3g04170.1/Cs3g041	4.75	0	0	2	MASCOT	T	PLEX8	
3.37E-03	0|0	Cs3g04170.1/Cs3g041	4.75	0	0	2	MASCOT	T	PLEX8	
1.22E-02	0|0	Cs3g04190.1/Cs3g043	6.14	1	0	2	MASCOT	T	PLEX8	
2.71E-02	0|0	Cs2g24040.1	6.05	0	15.9	0	2	MASCOT	T	PLEX8
1.19E-01	0|0	Cs2g24040.1	6.05	0	15.9	0	2	MASCOT	T	PLEX8
9.44E-04	0|0	Cs2g24040.1	6.05	0	0	2	MASCOT	T	PLEX8	
9.85E-03	0|0	Cs2g24040.1	6.05	0	0	2	MASCOT	T	PLEX8	
9.23E-04	0|0	Cs2g24040.1	6.05	0	0	2	MASCOT	T	PLEX8	
1.36E-01	0|0	Cs2g24040.1	5.83	0	0	2	MASCOT	T	PLEX8	
3.88E-02	0|0	Cs2g24040.1	5.83	0	0	2	MASCOT	T	PLEX8	
1.19E-01	0|0	Cs2g24040.1	4.65	0	0	2	MASCOT	T	PLEX8	
7.01E-05	0|0	Cs2g24040.1	4.65	0	0	2	MASCOT	T	PLEX8	
3.03E-01	0|0	Cs2g24040.1	4.65	0	0	2	MASCOT	T	PLEX8	
2.58E-03	0|0	Cs2g24040.1	4.65	0	0	2	MASCOT	T	PLEX8	
1.55E-02	0|0	Cs2g24040.1	4.65	0	0	2	MASCOT	T	PLEX8	
7.45E-03	0|0	Cs2g24040.1	4.65	0	0	2	MASCOT	T		
2.19E-01	0|0	Cs2g24040.1	4.65	0	0	2	MASCOT	T		
2.12E-01	0|0	Cs2g24040.1	4.65	0	0	2	MASCOT	T		
1.22E-01	0|0	Cs2g24040.1	4.65	0	0	2	MASCOT	T		
5.79E-02	0|0	Cs2g24040.1 ! Cs6g07	6	0	0	2	MASCOT	T	PLEX8	
9.91E-03	0|0	Cs2g24040.1	4.14	0	0	2	MASCOT	T	PLEX8	
9.94E-02	0|0	Cs2g24040.1	4.14	0	0	2	MASCOT	T	PLEX8	
7.38E-03	0|0	Cs2g24040.1 ! Cs6g07	5.97	0	0	2	MASCOT	T	PLEX8	
6.70E-02	0|0	Cs2g24040.1 ! Cs6g07	5.97	0	0	2	MASCOT	T	PLEX8	
2.33E-01	0|0	Cs2g24040.1 ! Cs6g07	5.97	0	0	2	MASCOT	T	PLEX8	
1.70E-01	0|0	Cs2g02320.1/Cs2g023	9.8	0	0	2	MASCOT	T	PLEX8	
1.67E-02	0|0	Cs2g02320.1/Cs2g023	9.75	0	0	2	MASCOT	T	PLEX8	
6.04E-02	0|0	Cs2g02320.1/Cs2g023	9.75	0	0	2	MASCOT	T	PLEX8	
2.15E-02	0|0	Cs2g02320.1/Cs2g023	9.75	0	0	2	MASCOT	T	PLEX8	
4.15E-03	0|0	Cs2g02320.1/Cs2g023	9.75	0	0	2	MASCOT	T	PLEX8	
8.91E-02	0|0	Cs2g02320.1/Cs2g023	9.75	0	0	2	MASCOT	T	PLEX8	
7.53E-02	0|0	Cs2g02320.1/Cs2g023	9.75	0	0	2	MASCOT	T	PLEX8	
9.07E-03	0|0	Cs2g02320.1/Cs2g023	5.84	0	0	2	MASCOT	T	PLEX8	

9.70E-02	0|0	Cs2g02320.1/Cs2g023	5.84	0	0	2	MASCOT	T	PLEX8
9.23E-03	0|0	Cs2g02320.1/Cs2g023	5.84	0	0	2	MASCOT	T	PLEX8
1.56E-01	0|0	Cs2g02320.1/Cs2g023	5.84	0	0	2	MASCOT	T	PLEX8
1.10E-01	0|0	Cs2g02320.1/Cs2g023	5.84	0	0	2	MASCOT	T	
3.79E-01	0|0	Cs2g02320.1/Cs2g023	8.49	0	0	2	MASCOT	T	PLEX8
7.27E-02	0|0	Cs2g02320.1/Cs2g023	5.4	0	0	2	MASCOT	T	PLEX8
2.47E-01	0|0	Cs2g02320.1/Cs2g023	5.4	0	0	2	MASCOT	T	PLEX8
1.38E-03	0|0	Cs2g02320.1/Cs2g023	5.4	0	0	2	MASCOT	T	PLEX8
4.23E-02	0|0	Cs2g02320.1/Cs2g023	5.4	0	0	2	MASCOT	T	PLEX8
2.62E-03	0|0	Cs2g02320.1/Cs2g023	5.21	0	0	2	MASCOT	T	PLEX8
4.88E-03	0|0	Cs2g02320.1/Cs2g023	5.21	0	0	2	MASCOT	T	PLEX8
1.13E-03	0|0	Cs2g02320.1/Cs2g023	5.21	0	0	2	MASCOT	T	PLEX8
3.44E-02	0|0	Cs2g02320.1/Cs2g023	5.21	0	0	2	MASCOT	T	
7.61E-03	0|0	Cs7g25390.1/Cs7g253	4.03	0	0	2	MASCOT	T	PLEX8
4.79E-02	0|0	Cs7g25390.1/Cs7g253	4.03	0	0	2	MASCOT	T	PLEX8
3.63E-03	0|0	Cs7g25390.1/Cs7g253	4.03	0	0	2	MASCOT	T	PLEX8
5.98E-02	0|0	Cs2g05040.1/Cs5g107	5.84	0	0	2	MASCOT	T	PLEX8
2.72E-01	0|0	Cs2g05040.1/Cs5g107	5.84	0	0	2	MASCOT	T	
5.96E-02	0|0	Cs2g05040.1/Cs5g107	5.84	0	0	2	MASCOT	T	
1.04E-02	0|0	Cs2g05040.1/Cs5g107	5.84	0	0	2	MASCOT	T	
2.64E-06	0|0	Cs2g05040.1/Cs5g107	5.84	0	0	2	MASCOT	T	
1.28E-02	0|0	Cs2g05040.1/Cs5g107	5.84	0	0	2	MASCOT	T	
5.50E-03	0|0	Cs7g25390.1/Cs7g253	8.72	0	15.9	0	2	MASCOT	T
6.18E-06	0|0	Cs1g21030.1/Cs1g210	4.21	0	0	2	MASCOT	T	PLEX8
1.08E-04	0|0	Cs1g21030.1/Cs1g210	4.21	0	0	2	MASCOT	T	PLEX8
2.68E-01	0|0	Cs1g21030.1/Cs1g210	4.21	0	0	2	MASCOT	T	PLEX8
1.49E-04	0|0	Cs7g25390.1/Cs7g253	5.21	0	0	2	MASCOT	T	PLEX8
7.45E-08	0|0	Cs7g25390.1/Cs7g253	5.21	0	0	2	MASCOT	T	PLEX8
1.14E-07	0|0	Cs7g25390.1/Cs7g253	5.21	0	0	2	MASCOT	T	PLEX8
6.05E-03	0|0	Cs7g25390.1/Cs7g253	5.21	0	0	2	MASCOT	T	
5.29E-07	0|0	Cs7g25390.1/Cs7g253	5.21	0	0	2	MASCOT	T	
2.74E-05	0|0	Cs7g25390.1/Cs7g253	5.21	0	0	2	MASCOT	T	
3.28E-01	0|0	Cs2g05040.1/Cs7g253	4.14	0	0	2	MASCOT	T	PLEX8
1.36E-02	0|0	Cs2g05040.1/Cs7g253	4.14	0	0	2	MASCOT	T	PLEX8
2.23E-02	0|0	Cs7g11140.1/Cs7g111	9.76	0	0	2	MASCOT	T	PLEX8
1.04E-01	0|0	Cs7g11140.1/Cs7g111	9.76	0	0	2	MASCOT	T	PLEX8
5.07E-02	0|0	Cs7g11140.1/Cs7g111	9.76	0	0	2	MASCOT	T	
3.20E-02	0|0	Cs5g30600.1/Cs5g306	8.76	0	0	2	MASCOT	T	
7.28E-02	0|0	Cs5g30600.1/Cs5g306	8.76	0	0	2	MASCOT	T	
1.40E-02	0|0	Cs1g16250.1/Cs1g162	5.66	0	0	2	MASCOT	T	PLEX8
2.39E-02	0|0	Cs1g16250.1/Cs1g162	5.66	0	0	2	MASCOT	T	PLEX8
7.00E-03	0|0	Cs8g20210.1/Cs8g202	5.81	0	0	2	MASCOT	T	PLEX8
2.26E-03	0|0	Cs8g20210.1/Cs8g202	5.81	0	0	2	MASCOT	T	PLEX8
3.97E-01	0|0	Cs8g20210.1/Cs8g202	5.81	0	0	2	MASCOT	T	PLEX8
6.75E-03	0|0	Cs8g20210.1/Cs8g202	5.81	0	0	2	MASCOT	T	PLEX8
1.57E-01	0|0	Cs5g30600.1/Cs5g306	6.04	0	0	2	MASCOT	T	PLEX8
1.70E-01	0|0	Cs5g30600.1/Cs5g306	6.04	0	0	2	MASCOT	T	PLEX8
1.53E-01	0|0	Cs5g30600.1/Cs5g306	6.04	0	0	2	MASCOT	T	PLEX8
1.48E-01	0|0	Cs5g30600.1/Cs5g306	6.04	0	0	2	MASCOT	T	PLEX8
8.13E-02	0|0	Cs5g30600.1/Cs5g306	6.04	0	0	2	MASCOT	T	PLEX8
1.75E-01	0|0	Cs5g30600.1/Cs5g306	6.04	0	0	2	MASCOT	T	PLEX8

1.78E-02 0|0	Cs8g20210.1/Cs8g202	4.53	0	0	2	MASCOT	T	PLEX8	
1.71E-01 0|0	Cs8g20210.1/Cs8g202	4.53	0	0	2	MASCOT	T	PLEX8	
3.38E-03 0|0	Cs8g20210.1/Cs8g202	4.53	0	0	2	MASCOT	T	PLEX8	
1.45E-02 0|0	orange1.1t01854.1/ora	6.74	0	15.9	0	2	MASCOT	T	PLEX8
7.18E-03 0|0	orange1.1t01854.1/ora	6.74	0	15.9	0	2	MASCOT	T	PLEX8
1.06E-02 0|0	orange1.1t01854.1/ora	6.74	0	0	2	MASCOT	T	PLEX8	
1.57E-02 0|0	orange1.1t01854.1/ora	6.75	0	0	2	MASCOT	T	PLEX8	
4.88E-02 0|0	orange1.1t01854.1/ora	6.75	0	0	2	MASCOT	T		
2.17E-01 0|0	orange1.1t01854.1/ora	6.75	0	0	2	MASCOT	T	PLEX8	
3.81E-01 0|0	orange1.1t01854.1/ora	6.75	0	0	2	MASCOT	T		
1.66E-01 0|0	orange1.1t01854.1/ora	6.75	0	0	2	MASCOT	T	PLEX8	
3.83E-02 0|0	orange1.1t01854.1/ora	6.75	0	0	2	MASCOT	T	PLEX8	
8.51E-04 0|0	orange1.1t01854.1/ora	6.75	0	0	2	MASCOT	T	PLEX8	
1.19E-01 0|0	orange1.1t01854.1/ora	5.84	0	0	2	MASCOT	T	PLEX8	
9.61E-02 0|0	orange1.1t01854.1/ora	5.84	0	0	2	MASCOT	T	PLEX8	
2.03E-01 0|0	orange1.1t01854.1/ora	5.84	0	0	2	MASCOT	T	PLEX8	
1.49E-01 0|0	orange1.1t01854.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
2.95E-01 0|0	orange1.1t01854.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
8.52E-02 0|0	orange1.1t01854.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
1.75E-01 0|0	orange1.1t01854.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
6.77E-02 0|0	orange1.1t01854.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
4.13E-02 0|0	orange1.1t01854.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
1.05E-01 0|0	orange1.1t01854.1/ora	5.83	0	0	2	MASCOT	T	PLEX8	
1.20E-03 0|0	Cs7g06000.1/orange1.	4.53	0	0	2	MASCOT	T	PLEX8	
1.38E-02 0|0	Cs7g06000.1/orange1.	4.53	0	0	2	MASCOT	T		
4.40E-03 0|0	Cs7g06000.1/orange1.	4.53	0	0	2	MASCOT	T	PLEX8	
1.60E-03 0|0	Cs7g06000.1/orange1.	4.53	0	0	2	MASCOT	T	PLEX8	
7.21E-03 0|0	Cs7g06000.1/orange1.	4.53	0	0	2	MASCOT	T	PLEX8	
3.43E-02 0|0	Cs7g06000.1/orange1.	4.53	0	0	2	MASCOT	T	PLEX8	
2.12E-03 0|0	Cs7g06000.1/orange1.	4.53	0	0	2	MASCOT	T	PLEX8	
9.77E-02 0|0	Cs7g06000.1/orange1.	4.53	0	0	2	MASCOT	T		
2.37E-02 0|0	Cs6g09690.1 ! Cs4g16	8.75	0	0	2	MASCOT	T	PLEX8	
1.00E-01 0|0	Cs7g06000.1/orange1.	6.14	1	0	2	MASCOT	T	PLEX8	
4.30E-01 0|0	Cs7g06000.1/orange1.	4.37	0	0	2	MASCOT	T		
1.49E-02 0|0	orange1.1t05559.1	9.72	0	0	2	MASCOT	T	PLEX8	
1.83E-01 0|0	orange1.1t05559.1	9.72	0	0	2	MASCOT	T	PLEX8	
7.55E-03 0|0	Cs7g06000.1/orange1.	4.14	0	0	2	MASCOT	T	PLEX8	
6.23E-02 0|0	Cs7g06000.1/orange1.	4.14	0	0	2	MASCOT	T	PLEX8	
1.39E-02 0|0	Cs7g06000.1/orange1.	4.14	0	0	2	MASCOT	T		
6.08E-02 0|0	Cs7g06000.1/orange1.	4.14	0	0	2	MASCOT	T		
3.26E-04 0|0	Cs7g06000.1/orange1.	4.14	0	0	2	MASCOT	T		
5.47E-05 0|0	Cs7g06000.1/orange1.	4.14	0	0	2	MASCOT	T		
9.18E-04 0|0	Cs1g21440.1	5.84	0	0	2	MASCOT	T	PLEX8	
2.24E-06 0|0	Cs1g21440.1	5.84	0	0	2	MASCOT	T	PLEX8	
5.88E-04 0|0	Cs1g21440.1	5.84	0	0	2	MASCOT	T	PLEX8	
2.27E-04 0|0	Cs1g21440.1	5.84	0	0	2	MASCOT	T	PLEX8	
4.96E-03 0|0	Cs1g21440.1	5.84	0	0	2	MASCOT	T	PLEX8	
2.33E-02 0|0	Cs1g21440.1	5.84	0	0	2	MASCOT	T	PLEX8	
4.03E-02 0|0	Cs1g21440.1	5.84	0	0	2	MASCOT	T	PLEX8	
2.41E-01 0|0	Cs1g21440.1	5.84	0	0	2	MASCOT	T	PLEX8	
7.27E-02 0|0	Cs1g21440.1	5.84	0	0	2	MASCOT	T	PLEX8	

7.79E-02	0|0	Cs1g21440.1	5.84	0	0	2	MASCOT	T	PLEX8
2.40E-03	0|0	Cs1g21440.1	5.84	0	0	2	MASCOT	T	PLEX8
1.73E-01	0|0	Cs1g21440.1	6.75	0	0	2	MASCOT	T	
9.24E-02	0|0	Cs1g21440.1	5.84	0	0	2	MASCOT	T	PLEX8
8.12E-02	0|0	Cs1g21440.1	5.84	0	0	2	MASCOT	T	PLEX8
9.86E-02	0|0	Cs1g21440.1	5.84	0	0	2	MASCOT	T	PLEX8
1.96E-01	0|0	Cs1g21440.1	5.84	0	0	2	MASCOT	T	
2.72E-04	0|0	Cs1g21440.1	4.37	0	0	2	MASCOT	T	PLEX8
2.59E-01	0|0	Cs1g21440.1	5.32	0	0	2	MASCOT	T	
2.13E-06	0|0	Cs2g12380.1	3.77	0	0	2	MASCOT	T	
2.80E-03	0|0	Cs2g12380.1	4.11	1	0	2	MASCOT	T	PLEX8
7.99E-02	0|0	Cs2g12380.1	4.11	1	0	2	MASCOT	T	PLEX8
4.28E-02	0|0	Cs2g12380.1	4.11	1	0	2	MASCOT	T	PLEX8
4.97E-02	0|0	Cs2g12380.1	4.11	1	0	2	MASCOT	T	PLEX8
2.29E-02	0|0	Cs2g12380.1	4.11	1	0	2	MASCOT	T	
1.42E-02	0|0	Cs2g12380.1	5.84	0	0	2	MASCOT	T	PLEX8
7.70E-05	0|0	Cs2g12380.1	5.84	0	0	2	MASCOT	T	PLEX8
1.95E-01	0|0	Cs2g12380.1	5.84	0	0	2	MASCOT	T	PLEX8
4.57E-05	0|0	Cs2g12380.1	5.84	0	0	2	MASCOT	T	PLEX8
1.54E-04	0|0	Cs2g12380.1	6	0	0	2	MASCOT	T	PLEX8
6.01E-03	0|0	Cs2g12380.1	8.75	0	0	2	MASCOT	T	PLEX8
8.10E-02	0|0	Cs2g12380.1	8.75	0	0	2	MASCOT	T	PLEX8
1.83E-04	0|0	Cs2g12380.1	4.37	0	15.9	0	2	MASCOT	T
1.43E-03	0|0	Cs2g12380.1	4.37	0	15.9	0	2	MASCOT	T
7.51E-04	0|0	Cs2g12380.1	4.37	0	0	2	MASCOT	T	
4.26E-04	0|0	Cs2g12380.1	4.37	0	0	2	MASCOT	T	
4.29E-02	0|0	Cs2g12380.1	4.37	0	0	2	MASCOT	T	
1.34E-03	0|0	Cs3g27290.1/Cs3g272	4.14	0	0	2	MASCOT	T	PLEX8
1.82E-03	0|0	Cs3g27290.1/Cs3g272	4.14	0	0	2	MASCOT	T	PLEX8
2.21E-02	0|0	Cs3g27290.1/Cs3g272	4.14	0	0	2	MASCOT	T	PLEX8
8.12E-03	0|0	Cs3g27290.1/Cs3g272	4.14	0	0	2	MASCOT	T	PLEX8
3.72E-02	0|0	Cs3g27290.1/Cs3g272	3.92	0	0	2	MASCOT	T	PLEX8
8.14E-04	0|0	Cs3g27280.1/Cs3g272	6.75	0	0	2	MASCOT	T	PLEX8
1.05E-04	0|0	Cs3g27280.1/Cs3g272	6.75	0	0	2	MASCOT	T	PLEX8
3.14E-03	0|0	Cs3g27280.1/Cs3g272	6.75	0	0	2	MASCOT	T	PLEX8
1.77E-02	0|0	Cs3g27280.1/Cs3g272	6.75	0	0	2	MASCOT	T	PLEX8
3.15E-02	0|0	Cs3g27280.1/Cs3g272	6.75	0	0	2	MASCOT	T	
2.41E-01	0|0	Cs3g27290.1/Cs3g272	4.65	0	0	2	MASCOT	T	PLEX8
3.10E-02	0|0	Cs3g27290.1/Cs3g272	4.65	0	0	2	MASCOT	T	PLEX8
2.24E-01	0|0	Cs3g27290.1/Cs3g272	4.65	0	0	2	MASCOT	T	PLEX8
2.53E-01	0|0	Cs3g27290.1/Cs3g272	4.65	0	0	2	MASCOT	T	
1.79E-01	0|0	Cs3g27290.1/Cs3g272	8.59	0	0	2	MASCOT	T	PLEX8
8.54E-04	0|0	Cs3g27290.1/Cs3g272	8.59	0	0	2	MASCOT	T	PLEX8
1.54E-01	0|0	Cs3g27290.1/Cs3g272	8.59	0	0	2	MASCOT	T	PLEX8
8.19E-02	0|0	Cs3g27290.1/Cs3g272	6.72	0	0	2	MASCOT	T	PLEX8
3.29E-03	0|0	Cs6g03310.1/Cs6g033	8.75	0	0	2	MASCOT	T	PLEX8
5.32E-03	0|0	Cs6g03310.1/Cs6g033	8.75	0	0	2	MASCOT	T	
9.45E-02	0|0	Cs6g03310.1/Cs6g033	4.53	0	0	2	MASCOT	T	PLEX8
3.04E-01	0|0	Cs6g03310.1/Cs6g033	4.53	0	0	2	MASCOT	T	PLEX8
4.27E-02	0|0	Cs6g03310.1 ! Cs6g03	5.95	0	0	2	MASCOT	T	PLEX8
2.53E-01	0|0	Cs6g03310.1 ! Cs6g03	5.95	0	0	2	MASCOT	T	PLEX8

1.06E-01	0|0	Cs6g03310.1 ! Cs6g03	5.95	0	0	2	MASCOT	T
2.05E-01	0|0	Cs6g03310.1 ! Cs6g03	5.95	0	0	2	MASCOT	T
4.83E-01	0|0	Cs6g03310.1 ! Cs6g03	5.95	0	0	2	MASCOT	T
1.47E-01	0|0	Cs6g03310.1 ! Cs6g03	5.95	0	0	2	MASCOT	T
1.27E-02	0|0	Cs6g03310.1/Cs6g033	6.11	0	0	2	MASCOT	T PLEX8
2.02E-01	0|0	Cs6g03310.1/Cs6g033	6.11	0	0	2	MASCOT	T
2.19E-01	0|0	Cs6g03310.1/Cs6g033	6.11	0	0	2	MASCOT	T
7.75E-02	0|0	Cs6g03310.1/Cs6g033	6.11	0	0	2	MASCOT	T
1.94E-01	0|0	Cs6g03310.1/Cs6g033	9.8	0	0	2	MASCOT	T PLEX8
1.82E-01	0|0	Cs6g03310.1	4.53	0	15.9	0	2	MASCOT T PLEX8
2.30E-02	0|0	Cs6g03310.1	4.53	0	15.9	0	2	MASCOT T PLEX8
6.12E-03	0|0	Cs6g03310.1	4.53	0	0	2	MASCOT	T PLEX8
9.98E-02	0|0	orange1.1t02485.1/ora	5.33	0	15.9	0	2	MASCOT T
1.64E-01	0|0	orange1.1t02485.1/ora	5.33	0	15.9	0	2	MASCOT T
7.44E-03	0|0	orange1.1t02485.1/ora	4.53	0	0	2	MASCOT	T PLEX8
9.96E-03	0|0	orange1.1t02485.1/ora	4.53	0	0	2	MASCOT	T PLEX8
1.40E-02	0|0	orange1.1t02485.1/ora	4.53	0	0	2	MASCOT	T PLEX8
1.47E-04	0|0	orange1.1t02485.1/ora	4.53	0	0	2	MASCOT	T PLEX8
7.34E-04	0|0	orange1.1t02485.1/ora	4.53	0	0	2	MASCOT	T PLEX8
4.81E-02	0|0	orange1.1t02485.1/ora	4.53	0	0	2	MASCOT	T PLEX8
1.17E-02	0|0	orange1.1t02485.1/ora	6.14	1	0	2	MASCOT	T
1.64E-01	0|0	orange1.1t02485.1/ora	9.75	0	0	2	MASCOT	T PLEX8
3.72E-01	0|0	orange1.1t02485.1/ora	6	0	0	2	MASCOT	T PLEX8
3.22E-01	0|0	orange1.1t02485.1/ora	6	0	0	2	MASCOT	T
8.02E-02	0|0	orange1.1t02485.1/ora	8.76	0	0	2	MASCOT	T PLEX8
2.69E-02	0|0	orange1.1t02485.1/ora	8.76	0	0	2	MASCOT	T PLEX8
4.70E-01	0|0	orange1.1t02485.1/ora	8.76	0	0	2	MASCOT	T PLEX8
5.57E-01	0|0	orange1.1t02485.1/ora	8.76	0	0	2	MASCOT	T PLEX8
2.55E-01	0|0	orange1.1t02485.1/ora	8.76	0	0	2	MASCOT	T PLEX8
1.28E-02	0|0	orange1.1t02485.1/ora	8.76	0	0	2	MASCOT	T
3.79E-02	0|0	Cs4g17360.1/Cs4g173	5.84	0	0	2	MASCOT	T PLEX8
2.62E-03	0|0	Cs4g17360.1/Cs4g173	6	0	0	2	MASCOT	T PLEX8
1.07E-03	0|0	Cs4g17360.1/Cs4g173	6	0	0	2	MASCOT	T PLEX8
2.57E-03	0|0	Cs4g17360.1/Cs4g173	6	0	0	2	MASCOT	T PLEX8
1.55E-03	0|0	Cs4g17360.1/Cs4g173	6	0	0	2	MASCOT	T PLEX8
6.47E-03	0|0	Cs4g17360.1/Cs4g173	6	0	0	2	MASCOT	T PLEX8
5.64E-03	0|0	Cs4g17360.1/Cs4g173	6	0	0	2	MASCOT	T PLEX8
2.59E-03	0|0	Cs4g17360.1/Cs4g173	6	0	0	2	MASCOT	T PLEX8
1.96E-02	0|0	Cs4g17360.1/Cs4g173	6	0	0	2	MASCOT	T PLEX8
1.54E-02	0|0	Cs4g17360.1/Cs4g173	9.76	0	0	2	MASCOT	T PLEX8
1.49E-02	0|0	Cs4g17360.1/Cs4g173	9.76	0	0	2	MASCOT	T
2.01E-03	0|0	Cs4g17360.1/Cs4g173	4.37	0	0	2	MASCOT	T PLEX8
1.01E-01	0|0	Cs4g17360.1/Cs4g173	5.4	0	0	2	MASCOT	T PLEX8
1.25E-01	0|0	Cs4g17360.1/Cs4g173	5.4	0	0	2	MASCOT	T
4.29E-03	0|0	Cs4g17360.1/Cs4g173	5.96	0	0	2	MASCOT	T PLEX8
5.62E-04	0|0	Cs4g17360.1/Cs4g173	5.96	0	0	2	MASCOT	T PLEX8
2.57E-01	0|0	Cs4g17360.1/Cs4g173	5.96	0	0	2	MASCOT	T PLEX8
7.28E-02	0|0	Cs6g11650.1/Cs6g116	8.76	0	0	2	MASCOT	T PLEX8
4.68E-02	0|0	Cs6g11650.1/Cs6g116	8.76	0	0	2	MASCOT	T PLEX8
8.62E-02	0|0	Cs6g11650.1/Cs6g116	8.76	0	0	2	MASCOT	T
2.55E-01	0|0	Cs6g11650.1/Cs6g116	6.92	0	0	2	MASCOT	T PLEX8

4.42E-02 0|0	Cs6g11650.1/Cs6g116	6.92	0	0	2	MASCOT	T	PLEX8	
1.71E-02 0|0	Cs6g11650.1/Cs6g116	6.92	0	0	2	MASCOT	T	PLEX8	
1.03E-01 0|0	Cs6g11650.1/Cs6g116	6.92	0	0	2	MASCOT	T	PLEX8	
4.69E-02 0|0	Cs6g11650.1/Cs6g116	5.84	0	15.9	0	2	MASCOT	T	PLEX8
1.20E-01 0|0	Cs6g11650.1/Cs6g116	5.84	0	15.9	0	2	MASCOT	T	PLEX8
3.99E-06 0|0	Cs6g11650.1/Cs6g116	4.37	0	0	2	MASCOT	T	PLEX8	
3.12E-06 0|0	Cs6g11650.1/Cs6g116	4.37	0	0	2	MASCOT	T	PLEX8	
1.65E-05 0|0	Cs6g11650.1/Cs6g116	4.37	0	0	2	MASCOT	T	PLEX8	
4.99E-02 0|0	Cs6g11650.1/Cs6g116	5.4	0	0	2	MASCOT	T	PLEX8	
1.96E-03 0|0	Cs6g11650.1/Cs6g116	5.4	0	0	2	MASCOT	T	PLEX8	
1.41E-02 0|0	Cs6g11650.1/Cs6g116	5.4	0	0	2	MASCOT	T	PLEX8	
8.32E-04 0|0	Cs6g11650.1/Cs6g116	6	0	0	2	MASCOT	T		
1.83E-04 0|0	Cs6g11650.1/Cs6g116	6	0	0	2	MASCOT	T		
2.57E-01 0|0	Cs1g22320.1/Cs2g279	9.76	0	0	2	MASCOT	T	PLEX8	
2.41E-01 0|0	Cs1g22320.1/Cs2g279	9.76	0	0	2	MASCOT	T		
6.11E-01 0|0	Cs1g22320.1/Cs2g279	9.76	0	0	2	MASCOT	T		
3.55E-04 0|0	Cs2g27930.1/Cs2g279	4.21	0	0	2	MASCOT	T	PLEX8	
3.80E-04 0|0	Cs2g27930.1/Cs2g279	4.21	0	0	2	MASCOT	T	PLEX8	
5.23E-04 0|0	Cs2g27930.1/Cs2g279	4.03	0	15.9	0	2	MASCOT	T	PLEX8
4.77E-05 0|0	Cs2g27930.1/Cs2g279	4.03	0	15.9	0	2	MASCOT	T	PLEX8
4.71E-03 0|0	Cs2g27930.1/Cs2g279	4.03	0	0	2	MASCOT	T	PLEX8	
1.08E-03 0|0	Cs2g27930.1/Cs2g279	5.84	0	0	2	MASCOT	T	PLEX8	
4.21E-02 0|0	Cs2g27930.1/Cs2g279	5.84	0	0	2	MASCOT	T	PLEX8	
4.01E-02 0|0	Cs2g27930.1/Cs2g279	5.84	0	0	2	MASCOT	T	PLEX8	
3.12E-02 0|0	Cs2g27930.1/Cs2g279	5.84	0	0	2	MASCOT	T		
7.07E-02 0|0	Cs4g18040.1/Cs4g180	5.32	0	0	2	MASCOT	T		
9.50E-02 0|0	Cs4g18040.1/Cs4g180	5.32	0	0	2	MASCOT	T		
8.79E-03 0|0	Cs1g22320.1/Cs2g279	5.84	0	15.9	0	2	MASCOT	T	PLEX8
1.74E-02 0|0	Cs1g22320.1/Cs2g279	5.84	0	0	2	MASCOT	T	PLEX8	
1.21E-02 0|0	Cs1g22320.1/Cs2g279	5.84	0	0	2	MASCOT	T	PLEX8	
2.33E-01 0|0	Cs7g30080.1/Cs7g300	8.76	0	0	2	MASCOT	T	PLEX8	
4.27E-03 0|0	Cs7g30080.1/Cs7g300	6	0	0	2	MASCOT	T	PLEX8	
3.55E-02 0|0	Cs7g30080.1/Cs7g300	5.72	0	0	2	MASCOT	T	PLEX8	
2.82E-02 0|0	Cs7g30080.1/Cs7g300	5.72	0	0	2	MASCOT	T	PLEX8	
9.87E-02 0|0	Cs7g30080.1/Cs7g300	5.72	0	0	2	MASCOT	T	PLEX8	
5.59E-02 0|0	Cs7g30080.1/Cs7g300	5.72	0	0	2	MASCOT	T	PLEX8	
6.58E-04 0|0	Cs7g30080.1/Cs7g300	4.75	0	0	2	MASCOT	T	PLEX8	
1.09E-02 0|0	Cs7g30080.1/Cs7g300	4.75	0	0	2	MASCOT	T	PLEX8	
2.67E-01 0|0	Cs7g30080.1/Cs7g300	4.75	0	0	2	MASCOT	T	PLEX8	
8.40E-04 0|0	Cs7g30080.1/Cs7g300	4.75	0	0	2	MASCOT	T	PLEX8	
7.93E-02 0|0	Cs7g30080.1/Cs7g300	4.75	0	0	2	MASCOT	T		
4.87E-02 0|0	Cs7g30080.1/Cs7g300	9.73	0	0	2	MASCOT	T	PLEX8	
7.14E-02 0|0	Cs7g30080.1/Cs7g300	9.73	0	0	2	MASCOT	T	PLEX8	
1.17E-01 0|0	Cs7g30080.1/Cs7g300	9.73	0	0	2	MASCOT	T	PLEX8	
1.08E-03 0|0	Cs7g30080.1/Cs7g300	4	0	0	2	MASCOT	T		
6.36E-02 0|0	Cs7g30080.1/Cs7g300	4	0	0	2	MASCOT	T		
4.30E-02 0|0	Cs7g30080.1/Cs7g300	4	0	0	2	MASCOT	T	PLEX8	
1.24E-01 0|0	Cs8g18970.1/Cs8g189	6.1	0	0	2	MASCOT	T	PLEX8	
3.20E-02 0|0	Cs8g18970.1/Cs8g189	6.1	0	0	2	MASCOT	T	PLEX8	
7.32E-04 0|0	Cs8g18970.1/Cs8g189	4.25	0	0	2	MASCOT	T	PLEX8	
1.07E-04 0|0	Cs8g18970.1/Cs8g189	4.25	0	0	2	MASCOT	T	PLEX8	

3.21E-01	0|0	Cs8g18970.1/Cs8g189	4.25	0	0	2	MASCOT	T	PLEX8
1.32E-03	0|0	Cs8g18970.1/Cs8g189	4.25	0	0	2	MASCOT	T	PLEX8
5.39E-03	0|0	Cs8g18970.1/Cs8g189	4.25	0	0	2	MASCOT	T	PLEX8
3.20E-01	0|0	Cs8g18970.1/Cs8g189	4.25	0	0	2	MASCOT	T	
1.01E-01	0|0	Cs8g18970.1/Cs8g189	6	0	0	2	MASCOT	T	PLEX8
5.86E-02	0|0	Cs8g18970.1/Cs8g189	6	0	0	2	MASCOT	T	PLEX8
8.52E-02	0|0	Cs8g18970.1/Cs8g189	6	0	0	2	MASCOT	T	PLEX8
1.11E-01	0|0	Cs8g18970.1/Cs8g189	6	0	0	2	MASCOT	T	PLEX8
9.47E-03	0|0	Cs8g18970.1/Cs8g189	4.53	0	0	2	MASCOT	T	PLEX8
1.72E-02	0|0	Cs8g18970.1/Cs8g189	4	0	0	2	MASCOT	T	
1.53E-04	0|0	Cs8g18970.1/Cs8g189	4	0	0	2	MASCOT	T	
2.43E-05	0|0	Cs8g18970.1/Cs8g189	4	0	0	2	MASCOT	T	
1.81E-03	0|0	Cs8g18970.1/Cs8g189	4.37	0	0	2	MASCOT	T	PLEX8
2.34E-01	0|0	Cs3g09730.1/Cs3g097	8.25	0	0	2	MASCOT	T	PLEX8
2.47E-05	0|0	Cs3g09750.1/Cs3g097	4.53	0	0	2	MASCOT	T	PLEX8
4.64E-03	0|0	Cs3g09750.1/Cs3g097	4.53	0	0	2	MASCOT	T	PLEX8
1.45E-01	0|0	Cs3g09750.1/Cs3g097	4.37	0	0	2	MASCOT	T	PLEX8
2.25E-01	0|0	Cs3g09730.1/Cs3g097	5.4	0	0	2	MASCOT	T	PLEX8
6.29E-02	0|0	Cs3g09730.1/Cs3g097	5.4	0	0	2	MASCOT	T	PLEX8
1.89E-01	0|0	Cs3g09730.1/Cs3g097	5.4	0	0	2	MASCOT	T	PLEX8
2.38E-01	0|0	Cs3g09730.1/Cs3g097	5.4	0	0	2	MASCOT	T	PLEX8
2.61E-02	0|0	Cs3g09730.1/Cs3g097	5.4	0	0	2	MASCOT	T	PLEX8
1.99E-02	0|0	Cs3g09750.1/Cs3g097	4.53	0	0	2	MASCOT	T	PLEX8
5.74E-02	0|0	Cs3g09750.1/Cs3g097	4.53	0	0	2	MASCOT	T	PLEX8
1.53E-01	0|0	Cs3g09750.1/Cs3g097	4.53	0	0	2	MASCOT	T	PLEX8
3.92E-03	0|0	Cs3g09750.1/Cs3g097	4.53	0	0	2	MASCOT	T	PLEX8
9.80E-02	0|0	Cs3g09750.1/Cs3g097	4.53	0	0	2	MASCOT	T	PLEX8
4.48E-04	0|0	Cs3g09750.1/Cs3g097	4.25	0	0	2	MASCOT	T	
9.60E-04	0|0	Cs3g09750.1/Cs3g097	4.25	0	0	2	MASCOT	T	
4.90E-01	0|0	Cs1g21050.1/Cs3g166	5.83	0	0	2	MASCOT	T	
3.21E-03	0|0	Cs1g21050.1/Cs3g166	5.83	0	0	2	MASCOT	T	
7.34E-04	0|0	Cs1g21050.1/Cs3g166	5.84	0	0	2	MASCOT	T	PLEX8
6.54E-02	0|0	Cs1g21050.1/Cs3g166	5.84	0	0	2	MASCOT	T	PLEX8
9.22E-04	0|0	Cs1g21050.1/Cs3g166	5.84	0	0	2	MASCOT	T	PLEX8
5.68E-04	0|0	Cs1g21050.1/Cs3g166	5.84	0	0	2	MASCOT	T	PLEX8
1.17E-03	0|0	Cs1g21050.1/Cs3g166	5.84	0	0	2	MASCOT	T	PLEX8
7.51E-02	0|0	Cs1g21050.1/Cs3g166	5.84	0	0	2	MASCOT	T	PLEX8
1.66E-01	0|0	Cs1g21050.1/Cs3g166	4.14	0	0	2	MASCOT	T	PLEX8
2.11E-01	0|0	Cs1g21050.1/Cs3g166	4.14	0	0	2	MASCOT	T	PLEX8
6.75E-03	0|0	Cs1g21050.1/Cs3g166	6.75	0	0	2	MASCOT	T	PLEX8
1.75E-02	0|0	Cs1g21050.1/Cs3g166	6.75	0	0	2	MASCOT	T	PLEX8
1.28E-02	0|0	Cs1g21050.1/Cs3g166	6.75	0	0	2	MASCOT	T	PLEX8
4.77E-03	0|0	Cs1g21050.1/Cs3g166	6.75	0	0	2	MASCOT	T	PLEX8
7.29E-04	0|0	Cs9g03120.1	5.5	0	0	2	MASCOT	T	PLEX8
2.24E-04	0|0	Cs9g03120.1	5.5	0	0	2	MASCOT	T	PLEX8
2.01E-01	0|0	Cs2g12320.1/Cs2g123	6.74	0	0	2	MASCOT	T	PLEX8
1.63E-06	0|0	Cs2g12320.1/Cs2g123	6.74	0	0	2	MASCOT	T	PLEX8
2.90E-05	0|0	Cs2g12320.1/Cs2g123	6.74	0	0	2	MASCOT	T	PLEX8
9.87E-06	0|0	Cs2g12320.1/Cs2g123	6.74	0	0	2	MASCOT	T	
3.57E-01	0|0	Cs2g12320.1/Cs2g123	8.25	0	0	2	MASCOT	T	PLEX8
7.27E-04	0|0	Cs2g12320.1/Cs2g123	8.25	0	0	2	MASCOT	T	PLEX8

1.59E-02	0|0	Cs2g12320.1/Cs2g123	8.73	0	0	2	MASCOT	T	PLEX8	
1.91E-01	0|0	Cs2g12320.1/Cs2g123	4.14	0	15.9	0	2	MASCOT	T	PLEX8
5.75E-03	0|0	Cs2g12320.1/Cs2g123	4.14	0	0	2	MASCOT	T	PLEX8	
1.18E-02	0|0	Cs2g12320.1/Cs2g123	6	0	0	2	MASCOT	T	PLEX8	
1.48E-01	0|0	Cs2g12320.1/Cs2g123	6	0	0	2	MASCOT	T	PLEX8	
1.43E-01	0|0	Cs2g12320.1/Cs2g123	6	0	0	2	MASCOT	T	PLEX8	
8.23E-02	0|0	Cs2g12320.1/Cs2g123	8.75	0	0	2	MASCOT	T	PLEX8	
4.41E-02	0|0	Cs2g12320.1/Cs2g123	8.75	0	0	2	MASCOT	T	PLEX8	
1.20E-01	0|0	Cs2g12320.1/Cs2g123	8.75	0	0	2	MASCOT	T	PLEX8	
4.99E-02	0|0	Cs2g19440.1/Cs2g194	6.05	0	0	2	MASCOT	T	PLEX8	
1.70E-01	0|0	Cs2g19440.1/Cs2g194	6.05	0	0	2	MASCOT	T	PLEX8	
2.82E-01	0|0	Cs2g19440.1/Cs2g194	4.53	0	0	2	MASCOT	T		
8.52E-02	0|0	Cs2g19440.1/Cs2g194	4.53	0	0	2	MASCOT	T		
1.65E-01	0|0	Cs2g19440.1/Cs2g194	4.53	0	0	2	MASCOT	T		
3.54E-01	0|0	Cs2g19440.1/Cs2g194	6.74	0	0	2	MASCOT	T	PLEX8	
2.36E-01	0|0	Cs2g19440.1/Cs2g194	6.74	0	0	2	MASCOT	T	PLEX8	
2.58E-02	0|0	Cs2g19440.1/Cs2g194	6.74	0	0	2	MASCOT	T	PLEX8	
2.35E-01	0|0	Cs2g19440.1/Cs2g194	6.74	0	0	2	MASCOT	T	PLEX8	
2.45E-02	0|0	Cs2g19440.1/Cs2g194	6.74	0	0	2	MASCOT	T		
9.57E-03	0|0	Cs2g19440.1/Cs2g194	4.37	0	0	2	MASCOT	T	PLEX8	
2.60E-02	0|0	Cs2g19440.1/Cs2g194	4.37	0	0	2	MASCOT	T	PLEX8	
2.66E-03	0|0	Cs2g19440.1/Cs2g194	4.14	0	0	2	MASCOT	T		
4.41E-03	0|0	Cs2g19440.1/Cs2g194	4.14	0	0	2	MASCOT	T		
1.95E-01	0|0	Cs2g19440.1/Cs2g194	5.84	0	15.9	0	2	MASCOT	T	PLEX8
5.98E-06	0|0	Cs3g18030.1/Cs3g180	4.37	0	0	2	MASCOT	T	PLEX8	
3.11E-02	0|0	Cs3g18030.1/Cs3g180	6.05	0	0	2	MASCOT	T	PLEX8	
6.69E-03	0|0	Cs3g18030.1/Cs3g180	8.75	0	0	2	MASCOT	T	PLEX8	
5.35E-03	0|0	Cs3g18030.1/Cs3g180	8.75	0	0	2	MASCOT	T	PLEX8	
1.65E-03	0|0	Cs3g18030.1/Cs3g180	8.75	0	0	2	MASCOT	T	PLEX8	
1.05E-01	0|0	Cs3g18030.1/Cs3g180	8.75	0	0	2	MASCOT	T	PLEX8	
2.52E-02	0|0	Cs3g18030.1/Cs3g180	8.75	0	0	2	MASCOT	T		
5.18E-02	0|0	Cs1g19830.1/Cs1g198	9.76	0	0	2	MASCOT	T	PLEX8	
1.43E-01	0|0	Cs1g19830.1/Cs1g198	9.76	0	0	2	MASCOT	T	PLEX8	
2.17E-01	0|0	Cs1g19830.1/Cs1g198	9.76	0	0	2	MASCOT	T		
6.67E-02	0|0	Cs3g18030.1/Cs3g180	8.79	0	15.9	0	2	MASCOT	T	PLEX8
1.60E-04	0|0	Cs3g18030.1/Cs3g180	8.79	0	0	2	MASCOT	T	PLEX8	
7.73E-03	0|0	Cs3g18030.1/Cs3g180	8.79	0	0	2	MASCOT	T	PLEX8	
1.17E-02	0|0	Cs1g19830.1/Cs3g180	6.91	0	0	2	MASCOT	T	PLEX8	
5.42E-03	0|0	Cs1g19830.1/Cs3g180	6.91	0	0	2	MASCOT	T	PLEX8	
3.77E-02	0|0	Cs1g10550.1/Cs4g042	8.8	0	0	2	MASCOT	T	PLEX8	
1.08E-01	0|0	Cs1g10550.1/Cs4g042	8.8	0	0	2	MASCOT	T	PLEX8	
1.52E-01	0|0	Cs1g10550.1/Cs4g042	6.1	0	0	2	MASCOT	T	PLEX8	
1.02E-02	0|0	Cs1g10550.1/Cs4g042	6.1	0	0	2	MASCOT	T	PLEX8	
9.95E-02	0|0	Cs4g04280.1/Cs4g042	6	0	0	2	MASCOT	T	PLEX8	
3.47E-03	0|0	Cs4g04280.1/Cs4g042	6	0	0	2	MASCOT	T	PLEX8	
4.16E-02	0|0	Cs4g04280.1/Cs4g042	6	0	0	2	MASCOT	T	PLEX8	
3.93E-03	0|0	Cs1g10550.1/Cs4g042	5.32	0	0	2	MASCOT	T	PLEX8	
1.01E-02	0|0	Cs1g10550.1/Cs4g042	5.32	0	0	2	MASCOT	T		
1.03E-01	0|0	Cs1g10550.1/Cs1g105	8.75	0	0	2	MASCOT	T	PLEX8	
5.74E-04	0|0	Cs1g10550.1/Cs1g105	8.75	0	0	2	MASCOT	T	PLEX8	
3.45E-02	0|0	Cs1g10550.1/Cs1g105	8.75	0	0	2	MASCOT	T	PLEX8	

2.10E-04	0|0	Cs1g10550.1/Cs1g105	5.97	0	0	2	MASCOT	T	PLEX8	
1.95E-02	0|0	Cs1g10550.1/Cs1g105	5.97	0	0	2	MASCOT	T	PLEX8	
3.56E-03	0|0	Cs1g10550.1/Cs1g105	5.97	0	0	2	MASCOT	T	PLEX8	
2.91E-01	0|0	Cs5g15160.1/Cs5g151	4.37	0	0	2	MASCOT	T	PLEX8	
1.68E-01	0|0	Cs5g15170.1	4.53	0	0	2	MASCOT	T	PLEX8	
3.53E-01	0|0	Cs5g15170.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.34E-01	0|0	Cs5g15160.1/Cs5g151	4.25	0	0	2	MASCOT	T	PLEX8	
1.25E-01	0|0	Cs5g15160.1/Cs5g151	4.25	0	0	2	MASCOT	T	PLEX8	
5.50E-02	0|0	Cs5g15160.1/Cs5g151	4.25	0	0	2	MASCOT	T	PLEX8	
2.20E-01	0|0	Cs1g08610.1/Cs7g141	6	0	0	2	MASCOT	T	PLEX8	
3.40E-01	0|0	Cs1g08610.1/Cs7g141	6	0	0	2	MASCOT	T	PLEX8	
3.44E-03	0|0	Cs5g15160.1/Cs5g151	8.49	0	15.9	0	2	MASCOT	T	PLEX8
5.17E-02	0|0	Cs5g15160.1/Cs5g151	8.49	0	15.9	0	2	MASCOT	T	PLEX8
1.23E-03	0|0	Cs5g15160.1/Cs5g151	8.49	0	15.9	0	2	MASCOT	T	PLEX8
3.23E-05	0|0	Cs5g15160.1/Cs5g151	8.49	0	0	2	MASCOT	T	PLEX8	
4.87E-02	0|0	Cs5g15160.1/Cs5g151	8.49	0	0	2	MASCOT	T	PLEX8	
7.80E-02	0|0	Cs5g15160.1/Cs5g151	8.49	0	0	2	MASCOT	T	PLEX8	
3.83E-01	0|0	Cs5g15170.1/Cs5g151	4.21	0	0	2	MASCOT	T		
3.04E-02	0|0	Cs2g30490.1	5.84	0	0	2	MASCOT	T	PLEX8	
5.85E-03	0|0	Cs2g30490.1	4.79	1	0	2	MASCOT	T	PLEX8	
8.55E-04	0|0	Cs2g30490.1	4.25	0	0	2	MASCOT	T	PLEX8	
3.70E-01	0|0	Cs2g30490.1	4.25	0	0	2	MASCOT	T	PLEX8	
1.69E-02	0|0	Cs2g30490.1/Cs7g021	4.21	0	0	2	MASCOT	T	PLEX8	
3.14E-04	0|0	Cs2g30490.1/Cs7g021	4.21	0	0	2	MASCOT	T	PLEX8	
3.16E-02	0|0	Cs2g30490.1/Cs7g021	4.21	0	0	2	MASCOT	T		
1.29E-01	0|0	Cs2g30490.1	8.49	0	0	2	MASCOT	T		
2.14E-04	0|0	Cs2g30490.1/Cs7g021	6	0	0	2	MASCOT	T		
2.95E-02	0|0	Cs2g30490.1/Cs7g021	6	0	0	2	MASCOT	T		
1.16E-03	0|0	Cs2g30490.1/Cs7g021	6	0	0	2	MASCOT	T		
1.85E-06	0|0	Cs2g30490.1/Cs7g021	6	0	0	2	MASCOT	T		
1.72E-04	0|0	Cs2g30490.1/Cs7g021	6	0	0	2	MASCOT	T	PLEX8	
9.68E-04	0|0	Cs2g30490.1/Cs7g021	6	0	0	2	MASCOT	T	PLEX8	
2.14E-01	0|0	Cs3g18830.1/Cs3g188	4	0	0	2	MASCOT	T	PLEX8	
3.20E-02	0|0	Cs3g18830.1/Cs3g188	4	0	0	2	MASCOT	T	PLEX8	
4.86E-02	0|0	Cs3g18830.1/Cs3g188	4.54	0	15.9	0	2	MASCOT	T	PLEX8
4.35E-02	0|0	Cs3g18830.1/Cs3g188	4.54	0	15.9	0	2	MASCOT	T	PLEX8
2.49E-04	0|0	Cs3g18830.1/Cs3g188	4.54	0	15.9	0	2	MASCOT	T	PLEX8
1.48E-01	0|0	Cs3g18830.1/Cs3g188	4.54	0	15.9	0	2	MASCOT	T	PLEX8
6.60E-02	0|0	Cs3g18830.1/Cs3g188	5.5	0	0	2	MASCOT	T		
3.82E-02	0|0	Cs3g18830.1/Cs3g188	3.92	0	15.9	0	2	MASCOT	T	PLEX8
4.55E-02	0|0	Cs3g18830.1/Cs3g188	3.92	0	15.9	0	2	MASCOT	T	PLEX8
4.04E-03	0|0	Cs3g18830.1/Cs3g188	3.92	0	0	2	MASCOT	T	PLEX8	
1.50E-02	0|0	Cs3g18830.1/Cs3g188	3.92	0	0	2	MASCOT	T	PLEX8	
3.82E-02	0|0	Cs3g18830.2	4.54	0	0	2	MASCOT	T	PLEX8	
7.62E-02	0|0	Cs3g18830.2	4.54	0	0	2	MASCOT	T	PLEX8	
1.05E-01	0|0	Cs3g18830.2	3.92	0	0	2	MASCOT	T	PLEX8	
1.66E-02	0|0	Cs7g31800.1/Cs7g318	4.53	0	0	2	MASCOT	T		
1.93E-01	0|0	Cs7g31800.1/Cs7g318	8.76	0	0	2	MASCOT	T	PLEX8	
9.19E-02	0|0	Cs7g31800.1/Cs7g318	8.75	0	0	2	MASCOT	T	PLEX8	
2.67E-02	0|0	Cs6g06660.1/Cs6g066	5.72	0	0	2	MASCOT	T	PLEX8	
1.49E-01	0|0	Cs6g06660.1/Cs6g066	5.72	0	0	2	MASCOT	T	PLEX8	

2.20E-01	0|0	Cs6g06660.1/Cs6g066	5.72	0	0	2	MASCOT	T	PLEX8	
1.29E-01	0|0	Cs6g06660.1/Cs6g066	5.72	0	0	2	MASCOT	T	PLEX8	
1.07E-01	0|0	Cs6g06660.1/Cs6g066	5.72	0	0	2	MASCOT	T	PLEX8	
2.67E-02	0|0	Cs6g06660.1/Cs6g066	5.72	0	0	2	MASCOT	T	PLEX8	
1.53E-02	0|0	Cs6g06660.1/Cs6g066	5.72	0	0	2	MASCOT	T	PLEX8	
1.15E-02	0|0	Cs6g06660.1/Cs6g066	8.72	0	0	2	MASCOT	T	PLEX8	
8.42E-02	0|0	Cs6g06660.1/Cs6g066	4.03	0	0	2	MASCOT	T	PLEX8	
8.82E-02	0|0	Cs6g06660.1/Cs6g066	4.03	0	0	2	MASCOT	T		
9.75E-02	0|0	Cs6g06660.1/Cs6g066	4.03	0	0	2	MASCOT	T	PLEX8	
4.73E-03	0|0	orange1.1t01775.1	4.03	0	0	2	MASCOT	T	PLEX8	
1.71E-01	0|0	orange1.1t01775.1	4.03	0	0	2	MASCOT	T	PLEX8	
2.38E-02	0|0	orange1.1t01775.1	4.14	0	0	2	MASCOT	T		
2.09E-02	0|0	orange1.1t01775.1	6.74	0	0	2	MASCOT	T	PLEX8	
3.33E-03	0|0	orange1.1t01775.1	6.74	0	0	2	MASCOT	T	PLEX8	
2.99E-01	0|0	orange1.1t01775.1	6.74	0	0	2	MASCOT	T	PLEX8	
7.82E-04	0|0	orange1.1t01775.1	6.74	0	0	2	MASCOT	T	PLEX8	
1.63E-02	0|0	orange1.1t01775.1	6.74	0	0	2	MASCOT	T	PLEX8	
2.13E-04	0|0	orange1.1t01775.1	4.14	0	0	2	MASCOT	T		
2.01E-03	0|0	orange1.1t01775.1	4.14	0	0	2	MASCOT	T		
3.73E-01	0|0	orange1.1t01775.1	4.54	0	0	2	MASCOT	T	PLEX8	
3.61E-02	0|0	orange1.1t01775.1	4.54	0	0	2	MASCOT	T	PLEX8	
1.93E-01	0|0	orange1.1t01775.1	4.54	0	0	2	MASCOT	T	PLEX8	
7.13E-03	0|0	orange1.1t01775.1	4.14	0	0	2	MASCOT	T	PLEX8	
3.19E-01	0|0	Cs1g21030.1/Cs1g210	6.1	0	0	2	MASCOT	T	PLEX8	
3.46E-01	0|0	Cs1g21030.1/Cs1g210	6.1	0	0	2	MASCOT	T	PLEX8	
1.96E-02	0|0	Cs1g21030.1/Cs1g210	5.66	0	0	2	MASCOT	T	PLEX8	
2.49E-02	0|0	Cs1g21030.1/Cs1g210	5.66	0	0	2	MASCOT	T	PLEX8	
2.49E-01	0|0	Cs1g21030.1/Cs1g210	5.66	0	0	2	MASCOT	T	PLEX8	
2.98E-01	0|0	Cs1g21030.1/Cs1g210	5.66	0	0	2	MASCOT	T	PLEX8	
1.50E-05	0|0	Cs1g21030.1/Cs1g210	4.37	0	0	2	MASCOT	T		
6.18E-06	0|0	Cs1g21030.1/Cs1g210	4.21	0	0	2	MASCOT	T	PLEX8	
1.08E-04	0|0	Cs1g21030.1/Cs1g210	4.21	0	0	2	MASCOT	T	PLEX8	
2.68E-01	0|0	Cs1g21030.1/Cs1g210	4.21	0	0	2	MASCOT	T	PLEX8	
6.54E-03	0|0	Cs1g21030.1/Cs1g210	4.53	0	0	2	MASCOT	T	PLEX8	
2.70E-01	0|0	Cs1g21030.1/Cs1g210	5.84	0	15.9	0	2	MASCOT	T	
1.42E-01	0|0	Cs1g21030.1/Cs1g210	5.84	0	0	2	MASCOT	T		
6.17E-02	0|0	Cs2g24620.1/Cs2g246	9.75	0	15.9	0	2	MASCOT	T	
5.24E-03	0|0	Cs2g24620.1/Cs2g246	9.75	0	0	2	MASCOT	T		
9.56E-03	0|0	Cs2g24620.1/Cs2g246	9.75	0	0	2	MASCOT	T		
1.04E-02	0|0	Cs2g24620.1/Cs2g246	4.53	0	0	2	MASCOT	T	PLEX8	
2.30E-02	0|0	Cs2g24620.1/Cs2g246	5.97	0	0	2	MASCOT	T	PLEX8	
1.51E-01	0|0	Cs2g24620.1/Cs2g246	5.97	0	0	2	MASCOT	T	PLEX8	
1.98E-02	0|0	Cs2g24620.1/Cs2g246	5.97	0	0	2	MASCOT	T	PLEX8	
1.32E-04	0|0	Cs2g24620.1/Cs2g246	4.09	0	0	2	MASCOT	T	PLEX8	
1.36E-01	0|0	Cs2g24620.1/Cs2g246	5.88	0	0	2	MASCOT	T	PLEX8	
1.52E-01	0|0	Cs2g24620.1/Cs2g246	5.88	0	0	2	MASCOT	T	PLEX8	
4.09E-01	0|0	Cs2g24620.1/Cs2g246	8.33	0	0	2	MASCOT	T	PLEX8	
1.67E-01	0|0	Cs2g24620.1/Cs2g246	8.33	0	0	2	MASCOT	T		
3.24E-01	0|0	Cs2g24620.1/Cs2g246	8.33	0	0	2	MASCOT	T		
2.70E-01	0|0	Cs3g19600.1/Cs3g196	6.1	0	0	2	MASCOT	T	PLEX8	
1.00E-02	0|0	Cs3g19600.1/Cs3g196	5.32	0	15.9	0	2	MASCOT	T	PLEX8

5.28E-02	0|0	Cs3g19600.1/Cs3g196	5.32	0	0	2	MASCOT	T	PLEX8
1.51E-03	0|0	Cs3g19600.1/Cs3g196	5.32	0	0	2	MASCOT	T	
2.17E-02	0|0	Cs3g19600.1/Cs3g196	6.75	0	0	2	MASCOT	T	PLEX8
4.57E-02	0|0	Cs3g19600.1/Cs3g196	6.75	0	0	2	MASCOT	T	PLEX8
1.54E-04	0|0	Cs3g19600.1/Cs3g196	4.21	0	0	2	MASCOT	T	
1.15E-02	0|0	Cs3g19600.1/Cs3g196	5.32	0	0	2	MASCOT	T	PLEX8
9.51E-04	0|0	Cs3g19600.1/Cs3g196	5.32	0	0	2	MASCOT	T	PLEX8
1.25E-01	0|0	Cs3g19600.1/Cs3g196	5.32	0	0	2	MASCOT	T	PLEX8
3.62E-02	0|0	Cs3g19600.1/Cs3g196	5.32	0	0	2	MASCOT	T	
4.58E-05	0|0	Cs3g19600.1/Cs3g196	5.32	0	0	2	MASCOT	T	
5.04E-02	0|0	Cs3g19600.1/Cs3g196	5.81	0	0	2	MASCOT	T	
3.88E-01	0|0	Cs3g25060.1/Cs3g250	6.79	0	0	2	MASCOT	T	PLEX8
1.46E-01	0|0	Cs3g25060.1/Cs3g250	7.92	0	0	2	MASCOT	T	PLEX8
3.53E-01	0|0	Cs3g25060.1/Cs3g250	7.92	0	0	2	MASCOT	T	PLEX8
9.75E-02	0|0	Cs3g25060.1/Cs3g250	7.92	0	0	2	MASCOT	T	PLEX8
2.22E-01	0|0	Cs3g25060.1/Cs3g250	4.41	0	0	2	MASCOT	T	PLEX8
2.41E-02	0|0	Cs3g25060.1/Cs3g250	4.41	0	0	2	MASCOT	T	PLEX8
1.52E-05	0|0	Cs3g25060.1/Cs3g250	4.41	0	0	2	MASCOT	T	PLEX8
8.15E-03	0|0	Cs3g25060.1/Cs3g250	4.41	0	0	2	MASCOT	T	PLEX8
1.04E-02	0|0	Cs3g25060.1/Cs3g250	4.53	0	0	2	MASCOT	T	PLEX8
1.23E-02	0|0	Cs3g25060.1/Cs3g250	4.53	0	0	2	MASCOT	T	PLEX8
2.66E-02	0|0	Cs3g25060.1/Cs3g250	4.53	0	0	2	MASCOT	T	PLEX8
9.65E-02	0|0	Cs3g25060.1/Cs3g250	5.84	0	0	2	MASCOT	T	PLEX8
6.23E-02	0|0	Cs3g25060.1/Cs3g250	5.84	0	0	2	MASCOT	T	PLEX8
1.44E-02	0|0	Cs7g27610.1	4.25	0	0	2	MASCOT	T	PLEX8
1.54E-02	0|0	Cs7g27610.1	4.25	0	0	2	MASCOT	T	PLEX8
3.00E-03	0|0	Cs7g27610.1	4.37	0	0	2	MASCOT	T	PLEX8
1.08E-01	0|0	Cs7g27610.1	4.37	0	0	2	MASCOT	T	
8.23E-05	0|0	Cs7g27610.1	4.25	0	0	2	MASCOT	T	PLEX8
2.34E-03	0|0	Cs7g27610.1	4.25	0	0	2	MASCOT	T	PLEX8
2.94E-02	0|0	Cs7g27610.1	4.25	0	0	2	MASCOT	T	PLEX8
7.43E-02	0|0	Cs7g27610.1	4.25	0	0	2	MASCOT	T	PLEX8
1.21E-03	0|0	Cs7g27610.1	4.53	0	0	2	MASCOT	T	PLEX8
6.90E-02	0|0	Cs7g27610.1	4.37	0	0	2	MASCOT	T	PLEX8
1.33E-03	0|0	Cs7g27610.1	4.37	0	0	2	MASCOT	T	PLEX8
1.39E-01	0|0	Cs7g27610.1	4.37	0	0	2	MASCOT	T	PLEX8
1.01E-01	0|0	Cs7g27610.1	4.37	0	0	2	MASCOT	T	PLEX8
5.99E-02	0|0	Cs9g17130.1	4.14	0	0	2	MASCOT	T	PLEX8
2.28E-01	0|0	Cs9g17130.1	4.14	0	0	2	MASCOT	T	PLEX8
2.76E-01	0|0	Cs9g17130.1	4.14	0	0	2	MASCOT	T	PLEX8
5.45E-02	0|0	Cs9g17130.1	4.14	0	0	2	MASCOT	T	PLEX8
7.06E-02	0|0	Cs9g17130.1	4.37	0	0	2	MASCOT	T	PLEX8
6.36E-03	0|0	Cs9g17130.1	4.37	0	0	2	MASCOT	T	PLEX8
3.12E-02	0|0	Cs9g17130.1	10	0	0	2	MASCOT	T	PLEX8
5.62E-02	0|0	Cs9g17130.1	10	0	0	2	MASCOT	T	PLEX8
1.31E-01	0|0	Cs9g17130.1	5.55	0	0	2	MASCOT	T	PLEX8
8.05E-04	0|0	Cs9g17130.1	4.14	0	0	2	MASCOT	T	
4.36E-07	0|0	Cs9g17130.1	4.14	0	0	2	MASCOT	T	
3.60E-02	0|0	Cs9g17130.1	8.25	0 15.9	0	2	MASCOT	T	PLEX8
1.13E-02	0|0	Cs9g17130.1	8.25	0	0	2	MASCOT	T	PLEX8
1.52E-02	0|0	gij|113952607	4.37	0	0	2	MASCOT	T	PLEX8

8.11E-02 0|0	gi|113952607	6.05	0	0	2	MASCOT	T
1.40E-02 0|0	gi|113952607	6.05	0	0	2	MASCOT	T
2.68E-01 0|0	gi|113952607	6.05	0	0	2	MASCOT	T
1.29E-03 0|0	gi|113952607	5.32	0	0	2	MASCOT	T PLEX8
2.27E-04 0|0	gi|113952607	5.32	0	0	2	MASCOT	T PLEX8
6.46E-03 0|0	gi|113952607	5.32	0	0	2	MASCOT	T PLEX8
1.75E-01 0|0	gi|113952607	4.37	0	0	2	MASCOT	T PLEX8
4.04E-02 0|0	gi|113952607	4.53	0	0	2	MASCOT	T PLEX8
2.05E-01 0|0	gi|113952607	8.72	0	0	2	MASCOT	T PLEX8
7.89E-02 0|0	gi|113952607	8.72	0	0	2	MASCOT	T PLEX8
1.15E-01 0|0	gi|113952607	8.72	0	0	2	MASCOT	T PLEX8
4.09E-01 0|0	gi|113952607	8.72	0	0	2	MASCOT	T PLEX8
1.57E-01 0|0	orange1.1t02570.1/ora	8.63	0	0	2	MASCOT	T PLEX8
3.65E-03 0|0	orange1.1t02570.1/ora	8.63	0	0	2	MASCOT	T PLEX8
1.29E-02 0|0	orange1.1t02570.1/ora	8.63	0	0	2	MASCOT	T PLEX8
1.09E-01 0|0	orange1.1t02570.1/ora	8.63	0	0	2	MASCOT	T PLEX8
1.70E-04 0|0	orange1.1t02570.1/ora	4.25	1	0	2	MASCOT	T PLEX8
2.47E-01 0|0	orange1.1t02570.1/ora	5.4	0	0	2	MASCOT	T
1.61E-02 0|0	orange1.1t02570.1/ora	4.37	0	0	2	MASCOT	T PLEX8
1.39E-02 0|0	orange1.1t02570.1/ora	4.37	0	0	2	MASCOT	T PLEX8
2.15E-02 0|0	orange1.1t02570.1/ora	4.37	0	0	2	MASCOT	T PLEX8
2.56E-02 0|0	orange1.1t02570.1/ora	5.99	0	0	2	MASCOT	T PLEX8
2.11E-01 0|0	orange1.1t02570.1/ora	5.99	0	0	2	MASCOT	T PLEX8
3.17E-01 0|0	orange1.1t02570.1/ora	4.25	0	0	2	MASCOT	T PLEX8
3.67E-04 0|0	orange1.1t02570.1/ora	4.25	0	0	2	MASCOT	T PLEX8
4.52E-03 0|0	orange1.1t03464.1	4.21	0	0	2	MASCOT	T
6.85E-02 0|0	orange1.1t03464.1	6.1	0	0	2	MASCOT	T PLEX8
5.66E-02 0|0	orange1.1t03464.1	6.1	0	0	2	MASCOT	T PLEX8
1.49E-01 0|0	orange1.1t03464.1	6.1	0	0	2	MASCOT	T PLEX8
7.71E-02 0|0	orange1.1t03464.1	6.1	0	0	2	MASCOT	T PLEX8
2.44E-01 0|0	orange1.1t03464.1	6.1	0	0	2	MASCOT	T PLEX8
2.93E-01 0|0	orange1.1t03464.1	5.4	0	0	2	MASCOT	T PLEX8
3.37E-04 0|0	orange1.1t03464.1	5.4	0	0	2	MASCOT	T PLEX8
7.19E-02 0|0	orange1.1t03464.1	5.4	0	0	2	MASCOT	T PLEX8
7.80E-07 0|0	orange1.1t03464.1	8.07	0	0	2	MASCOT	T
1.75E-01 0|0	orange1.1t03464.1	4.53	0	0	2	MASCOT	T PLEX8
2.18E-01 0|0	orange1.1t03464.1	4.53	0	0	2	MASCOT	T PLEX8
1.07E-02 0|0	orange1.1t03464.1	6.74	0	0	2	MASCOT	T
3.52E-02 0|0	Cs1g08920.1	5.84	0 15.9	0	2	MASCOT	T
1.92E-03 0|0	Cs1g08920.1	5.84	0 15.9	0	2	MASCOT	T
4.16E-01 0|0	Cs1g08920.1	5.84	0	0	2	MASCOT	T PLEX8
2.05E-02 0|0	Cs1g08920.1	5.84	0	0	2	MASCOT	T PLEX8
2.49E-02 0|0	Cs1g08920.1	5.84	0	0	2	MASCOT	T PLEX8
3.91E-01 0|0	Cs1g08920.1	5.72	0	0	2	MASCOT	T PLEX8
8.58E-03 0|0	Cs1g08920.1	5.72	0	0	2	MASCOT	T PLEX8
4.49E-02 0|0	Cs1g08920.1	6.79	0	0	2	MASCOT	T
7.86E-02 0|0	Cs1g08920.1	5.21	0	0	2	MASCOT	T PLEX8
1.75E-02 0|0	Cs1g08920.1	5.21	0	0	2	MASCOT	T PLEX8
3.56E-02 0|0	Cs1g08920.1	4.4	0 15.9	0	2	MASCOT	T PLEX8
9.84E-03 0|0	Cs1g08920.1	4.4	0	0	2	MASCOT	T PLEX8
9.68E-02 0|0	Cs3g15750.1	6.85	0	0	2	MASCOT	T

2.33E-01	0|0	Cs3g15750.1	6.75	0	0	2	MASCOT	T	PLEX8	
1.11E-01	0|0	Cs3g15750.1	6.75	0	0	2	MASCOT	T		
3.61E-02	0|0	Cs3g15750.1	6.75	0	0	2	MASCOT	T	PLEX8	
8.26E-03	0|0	Cs3g15750.1	6.75	0	0	2	MASCOT	T	PLEX8	
6.25E-02	0|0	Cs3g15750.1	6.75	0	0	2	MASCOT	T	PLEX8	
1.25E-02	0|0	Cs3g15750.1	6.75	0	0	2	MASCOT	T	PLEX8	
4.51E-03	0|0	Cs3g15750.1	4.37	0	0	2	MASCOT	T	PLEX8	
8.05E-02	0|0	Cs3g15750.1	5.84	0	0	2	MASCOT	T	PLEX8	
2.51E-02	0|0	Cs3g15750.1	5.84	0	0	2	MASCOT	T	PLEX8	
6.42E-02	0|0	Cs3g15750.1	4.53	0	0	2	MASCOT	T	PLEX8	
2.33E-03	0|0	Cs3g15750.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.17E-02	0|0	Cs3g23880.1/Cs3g238	4.25	0	0	2	MASCOT	T	PLEX8	
7.18E-04	0|0	Cs3g23880.1/Cs3g238	4.25	0	0	2	MASCOT	T	PLEX8	
2.28E-02	0|0	Cs3g23880.1/Cs3g238	5.83	0	0	2	MASCOT	T	PLEX8	
5.25E-03	0|0	Cs3g23880.1/Cs3g238	5.83	0	0	2	MASCOT	T	PLEX8	
1.85E-01	0|0	Cs3g23880.1/Cs3g238	8.2	0	0	2	MASCOT	T	PLEX8	
2.96E-02	0|0	Cs3g23880.1/Cs3g238	8.2	0	0	2	MASCOT	T	PLEX8	
3.12E-02	0|0	Cs3g23880.1/Cs3g238	8.2	0	0	2	MASCOT	T	PLEX8	
1.16E-02	0|0	Cs3g23880.1/Cs3g238	6	0	0	2	MASCOT	T	PLEX8	
2.31E-01	0|0	Cs3g23880.1/Cs3g238	4.22	0	0	2	MASCOT	T	PLEX8	
7.98E-04	0|0	Cs3g23880.1/Cs3g238	4.22	0	0	2	MASCOT	T		
4.49E-02	0|0	Cs3g23880.1/Cs3g238	5.99	0	0	2	MASCOT	T	PLEX8	
6.05E-03	0|0	Cs3g23880.1/Cs3g238	5.99	0	0	2	MASCOT	T		
7.45E-03	0|0	Cs5g27960.1/Cs5g279	4.37	0	0	2	MASCOT	T	PLEX8	
4.63E-03	0|0	Cs5g27960.1/Cs5g279	4.37	0	0	2	MASCOT	T	PLEX8	
1.12E-02	0|0	Cs5g27960.1	5.84	0	0	2	MASCOT	T		
2.32E-04	0|0	Cs5g27960.1	5.84	0	0	2	MASCOT	T	PLEX8	
3.15E-03	0|0	Cs5g27960.1	5.84	0	0	2	MASCOT	T	PLEX8	
1.59E-02	0|0	Cs5g27960.1/Cs5g279	8.19	0	0	2	MASCOT	T	PLEX8	
1.85E-01	0|0	Cs5g27960.1/Cs5g279	8.76	0	0	2	MASCOT	T	PLEX8	
4.04E-01	0|0	Cs5g27960.1/Cs5g279	8.76	0	0	2	MASCOT	T	PLEX8	
1.06E-01	0|0	Cs5g27960.1/Cs5g279	8.75	0	0	2	MASCOT	T	PLEX8	
3.82E-02	0|0	Cs5g27960.1/Cs5g279	5.59	0	0	2	MASCOT	T	PLEX8	
2.18E-02	0|0	Cs5g27960.1/Cs5g279	5.59	0	0	2	MASCOT	T	PLEX8	
1.17E-01	0|0	Cs5g27960.1/Cs5g279	5.59	0	0	2	MASCOT	T	PLEX8	
7.32E-02	0|0	Cs6g17920.1	5.88	0	0	2	MASCOT	T	PLEX8	
8.87E-03	0|0	Cs6g17920.1	5.88	0	0	2	MASCOT	T	PLEX8	
2.73E-02	0|0	Cs6g17920.1	5.45	1	0	2	MASCOT	T	PLEX8	
7.28E-03	0|0	Cs6g17920.1	4.65	0	0	2	MASCOT	T	PLEX8	
1.37E-03	0|0	Cs6g17920.1	4.03	0	0	2	MASCOT	T	PLEX8	
1.37E-01	0|0	Cs6g17920.1	6.85	0	0	2	MASCOT	T		
2.13E-01	0|0	Cs6g17920.1	6.85	0	0	2	MASCOT	T		
1.79E-02	0|0	Cs6g17920.1	8.73	0	15.9	0	2	MASCOT	T	PLEX8
6.81E-03	0|0	Cs6g17920.1	8.73	0	15.9	0	2	MASCOT	T	PLEX8
3.16E-02	0|0	Cs6g17920.1	8.73	0	0	2	MASCOT	T	PLEX8	
9.15E-03	0|0	Cs6g17920.1	8.73	0	0	2	MASCOT	T	PLEX8	
9.43E-03	0|0	Cs6g17920.1	8.73	0	0	2	MASCOT	T	PLEX8	
1.59E-01	0|0	Cs7g06680.1/Cs7g066	5.84	0	0	2	MASCOT	T	PLEX8	
2.21E-01	0|0	Cs7g06680.1/Cs7g066	5.84	0	0	2	MASCOT	T	PLEX8	
4.97E-02	0|0	Cs7g06680.1/Cs7g066	4.37	0	0	2	MASCOT	T	PLEX8	
1.51E-02	0|0	Cs7g06680.1/Cs7g066	4.41	1	0	2	MASCOT	T	PLEX8	

3.09E-06	0|0	Cs7g06680.1/Cs7g066	4.41	1	0	2	MASCOT	T	PLEX8
1.21E-02	0|0	Cs7g06680.1/Cs7g066	4.41	1	0	2	MASCOT	T	PLEX8
4.00E-03	0|0	Cs7g06680.1/Cs7g066	4.41	1	0	2	MASCOT	T	PLEX8
4.09E-02	0|0	Cs7g06680.1	6.72	0	0	2	MASCOT	T	PLEX8
9.10E-02	0|0	Cs7g06680.1/Cs7g066	6	0	0	2	MASCOT	T	PLEX8
3.53E-01	0|0	Cs7g06680.1/Cs7g066	8.24	0	0	2	MASCOT	T	PLEX8
2.12E-01	0|0	Cs7g06680.1/Cs7g066	8.24	0	0	2	MASCOT	T	PLEX8
2.76E-01	0|0	Cs7g06680.1/Cs7g066	8.24	0	0	2	MASCOT	T	PLEX8
7.75E-04	0|0	Cs7g23510.1/Cs7g235	4.41	1	0	2	MASCOT	T	PLEX8
3.57E-04	0|0	Cs7g23510.1/Cs7g235	4.41	1	0	2	MASCOT	T	PLEX8
9.18E-03	0|0	Cs7g23510.1/Cs7g235	4.53	0	0	2	MASCOT	T	PLEX8
1.12E-01	0|0	Cs7g23510.1/Cs7g235	4.53	0	0	2	MASCOT	T	PLEX8
1.60E-01	0|0	Cs1g03500.1 ! Cs7g23	6	0	0	2	MASCOT	T	PLEX8
2.69E-02	0|0	Cs1g03500.1 ! Cs7g23	6	0	0	2	MASCOT	T	PLEX8
2.57E-01	0|0	Cs1g03500.1 ! Cs7g23	6	0	0	2	MASCOT	T	PLEX8
5.48E-02	0|0	Cs1g03500.1 ! Cs7g23	6	0	0	2	MASCOT	T	PLEX8
4.87E-02	0|0	Cs1g03500.1 ! Cs7g23	6	0	0	2	MASCOT	T	PLEX8
3.28E-03	0|0	Cs7g23510.1/Cs7g235	3.92	0	0	2	MASCOT	T	PLEX8
3.12E-01	0|0	Cs7g23510.1/Cs7g235	5.32	0	0	2	MASCOT	T	PLEX8
1.18E-01	0|0	Cs7g23510.1/Cs7g235	6.75	1	0	2	MASCOT	T	PLEX8
1.89E-02	0|0	orange1.1t01588.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
2.53E-04	0|0	orange1.1t01588.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
2.40E-02	0|0	orange1.1t01588.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
1.76E-05	0|0	orange1.1t01588.1/ora	8.79	0	0	2	MASCOT	T	PLEX8
1.42E-01	0|0	orange1.1t01588.1/ora	8.79	0	0	2	MASCOT	T	PLEX8
4.48E-02	0|0	orange1.1t01588.1/ora	3.84	0	0	2	MASCOT	T	PLEX8
8.90E-02	0|0	orange1.1t01588.1/ora	6.14	1	0	2	MASCOT	T	PLEX8
8.67E-02	0|0	orange1.1t01588.1/ora	9.75	0	0	2	MASCOT	T	PLEX8
6.39E-03	0|0	orange1.1t01588.1/ora	6	0	0	2	MASCOT	T	PLEX8
5.79E-02	0|0	orange1.1t01588.1/ora	6	0	0	2	MASCOT	T	PLEX8
9.05E-04	0|0	orange1.1t01588.1/ora	6	0	0	2	MASCOT	T	PLEX8
8.31E-02	0|0	orange1.1t01588.1/ora	6	0	0	2	MASCOT	T	PLEX8
4.67E-04	0|0	orange1.1t04543.1/ora	5.21	0	0	2	MASCOT	T	PLEX8
1.61E-01	0|0	orange1.1t04543.1/ora	5.21	0	0	2	MASCOT	T	PLEX8
3.31E-03	0|0	orange1.1t04543.1/ora	8.76	0	0	2	MASCOT	T	PLEX8
9.31E-04	0|0	orange1.1t04543.1/ora	8.76	0	0	2	MASCOT	T	PLEX8
6.80E-02	0|0	orange1.1t04543.1/ora	8.76	0	0	2	MASCOT	T	PLEX8
4.99E-02	0|0	orange1.1t04543.1/ora	4.11	1	0	2	MASCOT	T	PLEX8
8.07E-03	0|0	orange1.1t04543.1/ora	4.13	0	0	2	MASCOT	T	PLEX8
4.23E-02	0|0	orange1.1t04543.1/ora	4.03	0	0	2	MASCOT	T	PLEX8
4.40E-02	0|0	orange1.1t04543.1/ora	4.03	0	0	2	MASCOT	T	PLEX8
6.99E-03	0|0	orange1.1t04543.1/ora	4.03	0	0	2	MASCOT	T	PLEX8
2.18E-02	0|0	orange1.1t04543.1/ora	4.03	0	0	2	MASCOT	T	PLEX8
3.54E-03	0|0	orange1.1t04543.1/ora	4.03	0	0	2	MASCOT	T	PLEX8
1.72E-01	0|0	Cs2g05100.1/Cs2g051	5.83	0	0	2	MASCOT	T	PLEX8
3.66E-02	0|0	Cs2g05100.1/Cs2g051	6.85	0	0	2	MASCOT	T	PLEX8
8.23E-02	0|0	Cs2g05100.1/Cs2g051	6.85	0	0	2	MASCOT	T	PLEX8
1.53E-01	0|0	Cs2g05100.1/Cs2g051	9.76	0 15.9	0	2	MASCOT	T	PLEX8
2.56E-02	0|0	Cs2g05100.1/Cs2g051	5.55	0	0	2	MASCOT	T	PLEX8
3.83E-01	0|0	Cs2g05100.1/Cs2g051	5.19	0	0	2	MASCOT	T	PLEX8
2.75E-03	0|0	Cs2g05100.1/Cs2g051	5.19	0	0	2	MASCOT	T	PLEX8

4.25E-04	0|0	Cs2g05100.1/Cs2g051	5.19	0	0	2	MASCOT	T	PLEX8	
1.45E-03	0|0	Cs2g05100.1/Cs2g051	5.19	0	0	2	MASCOT	T	PLEX8	
4.79E-04	0|0	Cs2g05100.1/Cs2g051	5.19	0	0	2	MASCOT	T	PLEX8	
3.23E-02	0|0	Cs2g05100.1/Cs2g051	4.37	0	0	2	MASCOT	T	PLEX8	
2.62E-02	0|0	Cs5g08520.1	6	0	0	2	MASCOT	T	PLEX8	
3.26E-01	0|0	Cs5g08520.1/Cs5g085	8.59	0	0	2	MASCOT	T	PLEX8	
1.29E-02	0|0	Cs5g08520.1/Cs5g085	6.74	0	0	2	MASCOT	T	PLEX8	
1.82E-01	0|0	Cs5g08520.1/Cs5g085	6.74	0	0	2	MASCOT	T		
2.49E-02	0|0	Cs5g08520.1/Cs5g085	6.74	0	0	2	MASCOT	T	PLEX8	
1.95E-03	0|0	Cs5g08520.1/Cs5g085	6.74	0	0	2	MASCOT	T		
6.46E-02	0|0	Cs5g08520.1/Cs5g085	5.21	0	0	2	MASCOT	T	PLEX8	
1.05E-03	0|0	Cs5g08520.1/Cs5g085	5.32	0	0	2	MASCOT	T	PLEX8	
1.34E-02	0|0	Cs5g08520.1/Cs5g085	5.32	0	0	2	MASCOT	T	PLEX8	
1.76E-02	0|0	Cs5g08520.1/Cs5g085	5.32	0	0	2	MASCOT	T		
2.12E-03	0|0	Cs5g08520.1/Cs5g085	5.84	0	0	2	MASCOT	T		
1.03E-01	0|0	Cs5g14770.1/Cs5g147	5.21	0	0	2	MASCOT	T	PLEX8	
4.82E-04	0|0	Cs5g14770.1/Cs5g147	5.21	0	0	2	MASCOT	T	PLEX8	
1.00E-02	0|0	Cs5g14770.1/Cs5g147	5.21	0	0	2	MASCOT	T	PLEX8	
4.70E-01	0|0	Cs5g14770.1/Cs5g147	5.21	0	0	2	MASCOT	T	PLEX8	
2.82E-01	0|0	Cs5g14770.1/Cs5g147	5.21	0	0	2	MASCOT	T	PLEX8	
8.88E-04	0|0	Cs5g14770.1/Cs5g147	4.53	0	0	2	MASCOT	T		
1.66E-01	0|0	Cs5g14770.1	5.72	0	15.9	0	2	MASCOT	T	PLEX8
5.29E-02	0|0	Cs5g14770.1	5.72	0	0	2	MASCOT	T	PLEX8	
2.57E-01	0|0	Cs5g14770.1/Cs5g147	8.49	0	0	2	MASCOT	T	PLEX8	
2.66E-03	0|0	Cs5g14770.1/Cs5g147	5.32	0	0	2	MASCOT	T	PLEX8	
1.73E-01	0|0	Cs5g14770.1/Cs5g147	5.32	0	0	2	MASCOT	T		
7.17E-02	0|0	Cs5g18090.1/Cs8g032	8.63	0	0	2	MASCOT	T	PLEX8	
3.19E-01	0|0	Cs1g21030.1/Cs1g210	6.1	0	0	2	MASCOT	T	PLEX8	
3.46E-01	0|0	Cs1g21030.1/Cs1g210	6.1	0	0	2	MASCOT	T	PLEX8	
1.96E-02	0|0	Cs1g21030.1/Cs1g210	5.66	0	0	2	MASCOT	T	PLEX8	
2.49E-02	0|0	Cs1g21030.1/Cs1g210	5.66	0	0	2	MASCOT	T	PLEX8	
2.49E-01	0|0	Cs1g21030.1/Cs1g210	5.66	0	0	2	MASCOT	T	PLEX8	
2.98E-01	0|0	Cs1g21030.1/Cs1g210	5.66	0	0	2	MASCOT	T	PLEX8	
1.50E-05	0|0	Cs1g21030.1/Cs1g210	4.37	0	0	2	MASCOT	T		
6.54E-03	0|0	Cs1g21030.1/Cs1g210	4.53	0	0	2	MASCOT	T	PLEX8	
2.70E-01	0|0	Cs1g21030.1/Cs1g210	5.84	0	15.9	0	2	MASCOT	T	
1.42E-01	0|0	Cs1g21030.1/Cs1g210	5.84	0	0	2	MASCOT	T		
3.01E-03	0|0	Cs8g07530.1/Cs8g075	4.14	0	0	2	MASCOT	T	PLEX8	
1.52E-01	0|0	Cs8g07530.1/Cs8g075	4.37	0	0	2	MASCOT	T		
2.69E-04	0|0	Cs8g07530.1/Cs8g075	4.37	0	0	2	MASCOT	T		
2.78E-05	0|0	Cs8g07530.1/Cs8g075	5.08	0	0	2	MASCOT	T	PLEX8	
2.77E-02	0|0	Cs8g07530.1/Cs8g075	5.08	0	0	2	MASCOT	T		
1.99E-03	0|0	Cs8g07530.1/Cs8g075	5.88	0	0	2	MASCOT	T	PLEX8	
1.78E-06	0|0	Cs8g07530.1/Cs8g075	5.88	0	0	2	MASCOT	T	PLEX8	
2.05E-05	0|0	Cs8g07530.1/Cs8g075	5.88	0	0	2	MASCOT	T	PLEX8	
1.14E-02	0|0	Cs8g07530.1/Cs8g075	5.88	0	0	2	MASCOT	T	PLEX8	
3.55E-04	0|0	Cs8g07530.1/Cs8g075	4.03	0	0	2	MASCOT	T		
8.89E-02	0|0	Cs8g07530.1/Cs8g075	4.53	0	0	2	MASCOT	T	PLEX8	
2.50E-03	0|0	Cs8g10180.1	4.37	0	0	2	MASCOT	T		
3.73E-02	0|0	Cs8g10110.1/Cs8g101	6	0	0	2	MASCOT	T	PLEX8	
3.12E-02	0|0	Cs8g10110.1/Cs8g101	6	0	0	2	MASCOT	T	PLEX8	

1.34E-01	0|0	Cs8g10180.1	4.53	0	0	2	MASCOT	T		
5.26E-02	0|0	Cs8g10180.1	4.53	0	0	2	MASCOT	T	PLEX8	
5.18E-03	0|0	Cs8g07290.1/Cs8g072	6	0	0	2	MASCOT	T		
2.32E-01	0|0	Cs8g07290.1/Cs8g072	6	0	0	2	MASCOT	T	PLEX8	
1.11E-01	0|0	Cs8g07290.1/Cs8g072	6.04	0	0	2	MASCOT	T	PLEX8	
2.33E-01	0|0	Cs8g07290.1/Cs8g072	6.04	0	0	2	MASCOT	T	PLEX8	
9.30E-02	0|0	Cs8g07290.1/Cs8g072	6.04	0	0	2	MASCOT	T	PLEX8	
4.98E-02	0|0	Cs3g10600.1/Cs3g106	4.41	0	0	2	MASCOT	T	PLEX8	
2.51E-02	0|0	Cs9g04170.1	8.8	0	0	2	MASCOT	T	PLEX8	
4.46E-02	0|0	Cs9g04170.1	8.8	0	0	2	MASCOT	T	PLEX8	
4.88E-02	0|0	Cs9g04170.1	8.8	0	0	2	MASCOT	T	PLEX8	
3.81E-02	0|0	Cs9g04170.1	8.8	0	0	2	MASCOT	T	PLEX8	
5.36E-03	0|0	Cs9g04170.1/Cs9g041	4.37	0	0	2	MASCOT	T	PLEX8	
5.70E-02	0|0	Cs9g04170.1/Cs9g041	4.37	0	0	2	MASCOT	T	PLEX8	
8.52E-02	0|0	Cs9g04170.1/Cs9g041	4.37	0	0	2	MASCOT	T	PLEX8	
1.46E-01	0|0	Cs9g04170.1/Cs9g041	6	0	0	2	MASCOT	T	PLEX8	
3.37E-01	0|0	Cs9g04170.1/Cs9g041	5.32	0	0	2	MASCOT	T	PLEX8	
1.11E-03	0|0	Cs9g04170.1/Cs9g041	5.32	0	0	2	MASCOT	T		
1.36E-02	0|0	Cs9g04170.1/Cs9g041	4.21	0	0	2	MASCOT	T		
1.30E-01	0|0	Cs2g14120.1	8.8	0	0	2	MASCOT	T	PLEX8	
1.59E-01	0|0	Cs2g14120.1	5.32	0	0	2	MASCOT	T	PLEX8	
1.35E-01	0|0	Cs2g14120.1	4.41	0	0	2	MASCOT	T		
1.41E-05	0|0	Cs2g14120.1	4.41	0	0	2	MASCOT	T	PLEX8	
7.08E-04	0|0	Cs2g14120.1	4.41	0	0	2	MASCOT	T		
4.55E-03	0|0	Cs2g14120.1	4.41	0	0	2	MASCOT	T		
5.58E-02	0|0	Cs2g14120.1	9.76	0	15.9	0	2	MASCOT	T	PLEX8
1.79E-02	0|0	Cs2g14120.1	8.59	0	0	2	MASCOT	T	PLEX8	
5.77E-04	0|0	Cs2g14120.1	4.25	0	0	2	MASCOT	T	PLEX8	
7.24E-02	0|0	Cs2g14120.1	4.25	0	0	2	MASCOT	T	PLEX8	
1.35E-01	0|0	Cs2g23290.1/Cs2g232	6.85	0	0	2	MASCOT	T	PLEX8	
4.30E-02	0|0	Cs2g23290.1/Cs2g232	6.85	0	0	2	MASCOT	T	PLEX8	
1.76E-02	0|0	Cs2g23290.1/Cs2g232	6.85	0	0	2	MASCOT	T		
9.66E-06	0|0	Cs2g23290.1/Cs2g232	6.85	0	0	2	MASCOT	T	PLEX8	
2.41E-05	0|0	Cs2g23290.1/Cs2g232	5.32	0	0	2	MASCOT	T	PLEX8	
2.92E-02	0|0	Cs2g23290.1/Cs2g232	4.14	0	0	2	MASCOT	T	PLEX8	
2.29E-01	0|0	Cs2g23290.1/Cs2g232	4.14	0	0	2	MASCOT	T	PLEX8	
2.66E-02	0|0	Cs2g23290.1/Cs2g232	5.32	0	0	2	MASCOT	T	PLEX8	
3.73E-02	0|0	Cs2g23290.1/Cs2g232	10	1	0	2	MASCOT	T		
1.26E-05	0|0	Cs2g23290.1/Cs2g232	9.75	0	0	2	MASCOT	T	PLEX8	
6.37E-05	0|0	Cs4g03750.1/Cs4g037	3.84	0	0	2	MASCOT	T	PLEX8	
3.07E-01	0|0	Cs4g03750.1/Cs4g037	5.99	0	0	2	MASCOT	T	PLEX8	
4.44E-01	0|0	Cs4g03750.1/Cs4g037	5.99	0	0	2	MASCOT	T	PLEX8	
1.35E-01	0|0	Cs4g03750.1/Cs4g037	5.99	0	0	2	MASCOT	T	PLEX8	
4.13E-02	0|0	Cs2g27270.1/Cs2g272	5.32	0	0	2	MASCOT	T	PLEX8	
1.80E-02	0|0	Cs2g27270.1/Cs2g272	5.32	0	0	2	MASCOT	T	PLEX8	
1.73E-01	0|0	Cs4g03750.1/Cs4g037	6.75	0	0	2	MASCOT	T		
2.41E-02	0|0	Cs4g03750.1/Cs4g037	6.75	0	0	2	MASCOT	T	PLEX8	
1.18E-01	0|0	Cs4g03750.1/Cs4g037	4.65	0	0	2	MASCOT	T	PLEX8	
1.80E-02	0|0	Cs4g03750.1/Cs4g037	3.92	0	0	2	MASCOT	T		
2.26E-01	0|0	Cs5g09380.1/Cs5g093	6	0	0	2	MASCOT	T	PLEX8	
4.89E-03	0|0	Cs5g09380.1/Cs5g093	4.03	0	15.9	0	2	MASCOT	T	PLEX8

2.89E-02	0|0	Cs5g09380.1/Cs5g093	5.4	0	0	2	MASCOT	T	PLEX8	
1.83E-03	0|0	Cs5g09380.1/Cs5g093	4.53	0	0	2	MASCOT	T	PLEX8	
1.39E-02	0|0	Cs5g09380.1/Cs5g093	4.53	0	0	2	MASCOT	T	PLEX8	
1.68E-01	0|0	Cs5g09380.1/Cs5g093	4.53	0	0	2	MASCOT	T	PLEX8	
4.44E-03	0|0	Cs5g09380.1/Cs5g093	4.53	0	0	2	MASCOT	T	PLEX8	
3.16E-02	0|0	Cs5g09380.1/Cs5g093	6.75	0	0	2	MASCOT	T	PLEX8	
1.86E-01	0|0	Cs5g09380.1/Cs5g093	6.75	0	0	2	MASCOT	T	PLEX8	
1.71E-05	0|0	Cs5g09380.1/Cs5g093	4.37	0	0	2	MASCOT	T	PLEX8	
6.06E-03	0|0	Cs5g12250.1/Cs6g196	8.8	0	0	2	MASCOT	T	PLEX8	
4.00E-02	0|0	Cs5g12250.1/Cs6g196	8.8	0	0	2	MASCOT	T	PLEX8	
3.63E-03	0|0	Cs5g12250.1/Cs6g196	8.8	0	0	2	MASCOT	T	PLEX8	
2.46E-02	0|0	Cs5g12250.1/Cs5g122	5.4	0	0	2	MASCOT	T	PLEX8	
2.70E-02	0|0	Cs5g12250.1	6.71	0	0	2	MASCOT	T	PLEX8	
2.42E-02	0|0	Cs5g12250.1	6.71	0	0	2	MASCOT	T	PLEX8	
6.43E-02	0|0	Cs5g12250.1/Cs5g122	4.14	0	0	2	MASCOT	T	PLEX8	
1.15E-03	0|0	Cs5g12250.1/Cs5g122	3.93	0	0	2	MASCOT	T		
3.14E-01	0|0	Cs5g12250.1/Cs5g122	5.84	0	0	2	MASCOT	T	PLEX8	
6.48E-04	0|0	Cs5g12250.1/Cs5g122	5.84	0	0	2	MASCOT	T	PLEX8	
4.96E-04	0|0	Cs5g15110.1	3.92	0	0	2	MASCOT	T	PLEX8	
3.29E-02	0|0	Cs5g15110.1	8.22	0	0	2	MASCOT	T	PLEX8	
9.40E-02	0|0	Cs5g15110.1	5.83	0	0	2	MASCOT	T		
2.15E-03	0|0	Cs5g15110.1	5.83	0	0	2	MASCOT	T		
2.75E-02	0|0	Cs5g15110.1	5.83	0	0	2	MASCOT	T		
4.10E-02	0|0	Cs5g15110.1	5.83	0	0	2	MASCOT	T		
1.10E-02	0|0	Cs5g15110.1	8.41	0	0	2	MASCOT	T	PLEX8	
2.70E-02	0|0	Cs5g15110.1	8.41	0	0	2	MASCOT	T	PLEX8	
4.73E-02	0|0	Cs5g15110.1	5.84	0	0	2	MASCOT	T	PLEX8	
7.10E-02	0|0	Cs5g15110.1	4.37	0	0	2	MASCOT	T	PLEX8	
7.88E-02	0|0	Cs7g04580.1/Cs7g046	4.03	0	0	2	MASCOT	T	PLEX8	
2.69E-01	0|0	Cs7g04600.1	8.75	0	0	2	MASCOT	T	PLEX8	
1.45E-02	0|0	Cs7g04600.1	4.37	0	0	2	MASCOT	T	PLEX8	
3.18E-04	0|0	Cs7g04600.1	4.37	0	0	2	MASCOT	T	PLEX8	
2.68E-03	0|0	Cs7g04580.1/Cs7g046	4.09	0	0	2	MASCOT	T	PLEX8	
6.64E-05	0|0	Cs7g04580.1/Cs7g046	4.09	0	0	2	MASCOT	T	PLEX8	
3.34E-01	0|0	Cs7g04580.1/Cs7g046	5.83	0	0	2	MASCOT	T	PLEX8	
1.05E-01	0|0	Cs7g04580.1/Cs7g046	5.83	0	0	2	MASCOT	T	PLEX8	
1.67E-01	0|0	Cs7g04580.1 ! Cs7g04	4.37	0	0	2	MASCOT	T	PLEX8	
3.55E-01	0|0	Cs7g04580.1 ! Cs7g04	4.37	0	0	2	MASCOT	T		
4.61E-04	0|0	Cs8g17500.1/Cs8g175	4	0	0	2	MASCOT	T		
1.06E-04	0|0	Cs8g17500.1	10	0	0	2	MASCOT	T	PLEX8	
4.37E-04	0|0	Cs8g17500.1	10	0	0	2	MASCOT	T	PLEX8	
1.83E-02	0|0	Cs8g17500.1/Cs8g175	4.53	0	15.9	0	2	MASCOT	T	PLEX8
5.33E-02	0|0	Cs8g17500.1/Cs8g175	4.53	0	15.9	0	2	MASCOT	T	PLEX8
5.29E-02	0|0	Cs8g17500.1/Cs8g175	4.37	0	0	2	MASCOT	T	PLEX8	
3.27E-02	0|0	Cs8g17500.1/Cs8g175	9.76	0	0	2	MASCOT	T	PLEX8	
4.12E-02	0|0	Cs8g17500.1/Cs8g175	9.76	0	0	2	MASCOT	T	PLEX8	
7.55E-02	0|0	Cs8g17500.1/Cs8g175	9.76	0	0	2	MASCOT	T	PLEX8	
1.27E-01	0|0	Cs8g17500.1/Cs8g175	8.59	0	0	2	MASCOT	T	PLEX8	
2.89E-02	0|0	Cs6g09140.1/Cs6g091	5.27	0	0	2	MASCOT	T		
5.63E-06	0|0	Cs6g09140.1/Cs6g091	5.27	0	0	2	MASCOT	T	PLEX8	
1.14E-02	0|0	Cs6g09140.1/Cs6g091	5.27	0	0	2	MASCOT	T		

1.31E-04	0|0	Cs6g09140.1/Cs6g091	5.27	0	0	2	MASCOT	T		
6.41E-02	0|0	Cs6g09140.1/Cs6g091	4.53	0	0	2	MASCOT	T	PLEX8	
5.77E-02	0|0	Cs6g09140.1/Cs6g091	5.5	0	0	2	MASCOT	T		
2.02E-02	0|0	Cs6g09140.1/Cs6g091	6.1	0	0	2	MASCOT	T		
2.89E-01	0|0	Cs8g20680.1	6.74	0	0	2	MASCOT	T	PLEX8	
1.30E-01	0|0	Cs6g09140.1/Cs6g091	8.47	0	0	2	MASCOT	T	PLEX8	
1.02E-01	0|0	Cs6g09140.1/Cs6g091	8.47	0	0	2	MASCOT	T	PLEX8	
1.39E-01	0|0	Cs9g02340.1	5.84	0	0	2	MASCOT	T	PLEX8	
2.40E-05	0|0	Cs9g02340.1	8.25	0	0	2	MASCOT	T		
3.30E-02	0|0	Cs9g02340.1	8.75	0	0	2	MASCOT	T	PLEX8	
2.42E-02	0|0	Cs9g02340.1	4.56	0	0	2	MASCOT	T	PLEX8	
6.00E-02	0|0	Cs9g02340.1	4.56	0	0	2	MASCOT	T		
3.92E-02	0|0	Cs9g02340.1	4.65	0	0	2	MASCOT	T	PLEX8	
2.96E-02	0|0	Cs9g02340.1	4.65	0	0	2	MASCOT	T	PLEX8	
9.60E-02	0|0	Cs9g02340.1	4.65	0	0	2	MASCOT	T		
3.61E-03	0|0	Cs9g02340.1	5.8	0	0	2	MASCOT	T	PLEX8	
1.73E-05	0|0	Cs9g02340.1	5.8	0	0	2	MASCOT	T	PLEX8	
2.36E-01	0|0	Cs1g17300.1	9.8	0	0	2	MASCOT	T	PLEX8	
2.00E-01	0|0	Cs1g17300.1/Cs1g173	6.91	0	0	2	MASCOT	T	PLEX8	
1.92E-02	0|0	Cs1g17300.1/Cs4g072	5.83	0	0	2	MASCOT	T	PLEX8	
9.91E-02	0|0	Cs1g17300.1/Cs1g173	4.25	0	0	2	MASCOT	T	PLEX8	
1.16E-04	0|0	Cs1g17300.1/Cs1g173	4.25	0	0	2	MASCOT	T	PLEX8	
8.44E-04	0|0	Cs1g17300.1/Cs1g173	4.25	0	0	2	MASCOT	T	PLEX8	
1.50E-02	0|0	Cs1g17300.1/Cs1g173	4.25	0	0	2	MASCOT	T	PLEX8	
1.27E-01	0|0	Cs1g17300.1/Cs1g173	4.37	0	15.9	0	2	MASCOT	T	PLEX8
2.87E-03	0|0	Cs1g17300.1/Cs4g072	6.75	0	0	2	MASCOT	T	PLEX8	
2.03E-02	0|0	Cs4g04310.1	6.05	0	0	2	MASCOT	T	PLEX8	
1.93E-02	0|0	Cs4g04310.1	6.05	0	0	2	MASCOT	T	PLEX8	
4.77E-03	0|0	Cs4g04310.1	8.27	0	0	2	MASCOT	T	PLEX8	
8.24E-03	0|0	Cs4g04310.1	8.27	0	0	2	MASCOT	T	PLEX8	
1.20E-02	0|0	Cs4g04310.1	4.53	0	0	2	MASCOT	T		
1.46E-04	0|0	Cs4g04310.1	4.31	0	0	2	MASCOT	T		
2.33E-04	0|0	Cs4g04310.1	4.31	0	0	2	MASCOT	T		
1.54E-02	0|0	Cs4g04310.1	5.99	0	0	2	MASCOT	T	PLEX8	
6.46E-02	0|0	Cs4g04310.1	4.53	0	0	2	MASCOT	T		
3.98E-04	0|0	Cs5g07060.1	4.14	0	0	2	MASCOT	T	PLEX8	
4.54E-02	0|0	Cs5g07060.1	4.14	0	0	2	MASCOT	T	PLEX8	
1.18E-02	0|0	Cs5g07060.1	4.14	0	0	2	MASCOT	T	PLEX8	
1.13E-01	0|0	Cs5g07060.1/Cs5g070	8.76	0	0	2	MASCOT	T	PLEX8	
1.38E-06	0|0	Cs5g07060.1/Cs5g070	6.74	0	0	2	MASCOT	T	PLEX8	
2.44E-05	0|0	Cs5g07060.1/Cs5g070	6.74	0	0	2	MASCOT	T	PLEX8	
1.31E-01	0|0	Cs5g07060.1/Cs5g070	8.22	0	0	2	MASCOT	T	PLEX8	
1.15E-01	0|0	Cs5g07060.1/Cs5g070	5.82	0	0	2	MASCOT	T	PLEX8	
5.25E-02	0|0	Cs5g07060.1/Cs5g070	6	0	0	2	MASCOT	T		
1.12E-01	0|0	Cs6g13030.1/Cs6g130	8.59	0	0	2	MASCOT	T	PLEX8	
2.35E-03	0|0	Cs6g13030.1/Cs6g130	4.14	0	0	2	MASCOT	T	PLEX8	
1.40E-01	0|0	Cs6g13030.1/Cs6g130	9.75	0	0	2	MASCOT	T	PLEX8	
5.47E-02	0|0	Cs6g13030.1/Cs6g130	9.76	0	15.9	0	2	MASCOT	T	PLEX8
1.02E-03	0|0	Cs6g13030.1/Cs6g130	9.76	0	0	2	MASCOT	T	PLEX8	
1.67E-01	0|0	Cs6g13030.1/Cs6g130	5.84	0	0	2	MASCOT	T	PLEX8	
1.45E-01	0|0	Cs6g13030.1/Cs6g130	8.72	0	0	2	MASCOT	T		

5.22E-04	0|0	Cs6g13030.1/Cs6g130	8.72	0	0	2	MASCOT	T
7.30E-02	0|0	Cs6g13030.1/Cs6g130	8.72	0	0	2	MASCOT	T
2.24E-01	0|0	Cs7g09890.1	8.8	0	0	2	MASCOT	T PLEX8
3.43E-03	0|0	Cs7g09890.1	5.4	0	0	2	MASCOT	T PLEX8
2.42E-02	0|0	Cs7g09890.1	5.4	0	0	2	MASCOT	T PLEX8
1.42E-01	0|0	Cs7g09890.1	4.37	0	0	2	MASCOT	T PLEX8
1.35E-03	0|0	Cs7g09890.1	4.37	0	0	2	MASCOT	T PLEX8
8.70E-03	0|0	Cs7g09890.1	4.48	0	0	2	MASCOT	T PLEX8
1.47E-02	0|0	Cs7g09890.1	4.48	0	0	2	MASCOT	T PLEX8
1.22E-01	0|0	Cs7g09890.1	6.1	0	0	2	MASCOT	T PLEX8
2.76E-02	0|0	Cs7g09890.1	4.35	1	0	2	MASCOT	T PLEX8
5.99E-02	0|0	Cs8g07230.1	8.18	0	0	2	MASCOT	T PLEX8
3.14E-02	0|0	Cs8g07230.1	9.75	0	0	2	MASCOT	T
2.76E-01	0|0	Cs8g07230.1	5.88	0	0	2	MASCOT	T PLEX8
9.43E-05	0|0	Cs8g07230.1	4.75	0	0	2	MASCOT	T PLEX8
3.99E-03	0|0	Cs8g07230.1	4.75	0	0	2	MASCOT	T PLEX8
2.40E-02	0|0	Cs8g07230.1	4.37	0	0	2	MASCOT	T PLEX8
1.30E-01	0|0	Cs8g07230.1	4.37	0	0	2	MASCOT	T PLEX8
1.20E-02	0|0	Cs8g07230.1	4.37	0	0	2	MASCOT	T PLEX8
1.86E-01	0|0	Cs8g07230.1	4.37	0	0	2	MASCOT	T PLEX8
2.68E-03	0|0	orange1.1t03287.1/ora	8.75	0	0	2	MASCOT	T PLEX8
7.17E-02	0|0	orange1.1t03287.1/ora	8.75	0	0	2	MASCOT	T PLEX8
4.05E-03	0|0	orange1.1t03287.1/ora	5.55	0	0	2	MASCOT	T PLEX8
3.83E-02	0|0	orange1.1t03287.1/ora	5.55	0	0	2	MASCOT	T PLEX8
3.22E-01	0|0	orange1.1t03287.1/ora	6.74	0	0	2	MASCOT	T PLEX8
1.04E-01	0|0	orange1.1t03287.1	4.53	0	0	2	MASCOT	T PLEX8
2.43E-02	0|0	orange1.1t03287.1	8.75	0	0	2	MASCOT	T PLEX8
4.35E-04	0|0	orange1.1t03287.1	8.75	0	0	2	MASCOT	T PLEX8
2.49E-02	0|0	orange1.1t03287.1/ora	4.41	0	0	2	MASCOT	T PLEX8
4.12E-03	0|0	Cs3g11310.1/Cs3g113	6.74	0	0	2	MASCOT	T PLEX8
3.76E-02	0|0	Cs3g11310.1/Cs3g113	4.14	0	0	2	MASCOT	T PLEX8
3.27E-03	0|0	Cs3g11310.1/Cs3g113	4.37	0	0	2	MASCOT	T PLEX8
1.25E-02	0|0	Cs3g11310.1/Cs3g113	4.37	0	0	2	MASCOT	T PLEX8
2.89E-02	0|0	Cs3g11320.1	5.72	0	0	2	MASCOT	T PLEX8
4.81E-03	0|0	Cs3g11310.1/Cs3g113	4.25	0	0	2	MASCOT	T PLEX8
8.50E-03	0|0	Cs3g11310.1/Cs3g113	4.25	0	0	2	MASCOT	T PLEX8
1.95E-01	0|0	Cs3g11310.1/Cs3g113	4.53	0 15.9	0	2	MASCOT	T PLEX8
8.87E-02	0|0	Cs3g18930.1/Cs3g189	4.37	0	0	2	MASCOT	T PLEX8
9.99E-03	0|0	Cs3g18930.1/Cs3g189	4.14	0	0	2	MASCOT	T PLEX8
3.01E-02	0|0	Cs3g18930.1/Cs3g189	4.14	0	0	2	MASCOT	T PLEX8
1.08E-03	0|0	Cs3g18930.1/Cs3g189	4.17	0	0	2	MASCOT	T
6.67E-02	0|0	Cs3g18930.1/Cs3g189	5.83	0	0	2	MASCOT	T PLEX8
6.21E-02	0|0	Cs3g18930.1/Cs3g189	9.6	1	0	2	MASCOT	T
2.32E-02	0|0	Cs3g18930.1/Cs3g189	4.14	0	0	2	MASCOT	T
1.02E-03	0|0	Cs3g18930.1/Cs3g189	4.14	0	0	2	MASCOT	T
7.77E-02	0|0	Cs5g02060.1	4.54	0	0	2	MASCOT	T
1.11E-01	0|0	Cs5g02060.1	4.53	0	0	2	MASCOT	T PLEX8
8.50E-03	0|0	Cs5g02060.1	9.75	0	0	2	MASCOT	T
5.70E-02	0|0	Cs5g02060.1	4.37	0	0	2	MASCOT	T PLEX8
1.44E-01	0|0	Cs5g02060.1	4.37	0	0	2	MASCOT	T PLEX8
4.60E-02	0|0	Cs5g02060.1	6.79	0 15.9	0	2	MASCOT	T PLEX8

3.07E-04 0|0	Cs5g02060.1	9.76	0	0	2 MASCOT	T	PLEX8
7.14E-04 0|0	Cs5g02060.1	9.76	0	0	2 MASCOT	T	PLEX8
2.52E-01 0|0	Cs6g07270.1	6.1	0	0	2 MASCOT	T	PLEX8
1.79E-03 0|0	Cs6g07270.1	4.54	0	0	2 MASCOT	T	PLEX8
4.50E-03 0|0	Cs6g07270.1	5.84	0	0	2 MASCOT	T	PLEX8
3.74E-02 0|0	Cs6g07270.1/Cs8g194	5.84	0 15.9	0	2 MASCOT	T	PLEX8
3.33E-02 0|0	Cs6g07270.1	5.72	0	0	2 MASCOT	T	
4.57E-02 0|0	Cs6g07270.1	5.72	0	0	2 MASCOT	T	
3.97E-02 0|0	Cs6g07270.1	5.72	0	0	2 MASCOT	T	
8.86E-04 0|0	Cs6g07270.1	4.14	0	0	2 MASCOT	T	PLEX8
1.28E-01 0|0	Cs7g05800.1/Cs7g058	8.25	0	0	2 MASCOT	T	PLEX8
1.72E-01 0|0	Cs7g05800.1/Cs7g058	8.47	0	0	2 MASCOT	T	PLEX8
8.11E-02 0|0	Cs7g05800.1/Cs7g058	8.47	0	0	2 MASCOT	T	PLEX8
3.60E-01 0|0	Cs7g05800.1/Cs7g058	8.72	0	0	2 MASCOT	T	PLEX8
4.58E-03 0|0	Cs7g05800.1/Cs7g058	8.72	0	0	2 MASCOT	T	PLEX8
5.40E-04 0|0	Cs7g05800.1/Cs7g058	8.72	0	0	2 MASCOT	T	PLEX8
1.88E-02 0|0	Cs7g05800.1/Cs7g058	8.27	0	0	2 MASCOT	T	
2.74E-01 0|0	Cs7g05800.1/Cs7g058	8.6	0	0	2 MASCOT	T	PLEX8
6.00E-04 0|0	Cs7g12630.1	4.14	0	0	2 MASCOT	T	PLEX8
1.20E-01 0|0	Cs7g12630.1	8.8	0	0	2 MASCOT	T	PLEX8
4.14E-04 0|0	Cs7g12630.1	5.32	0	0	2 MASCOT	T	PLEX8
1.04E-04 0|0	Cs7g12630.1	5.32	0	0	2 MASCOT	T	PLEX8
2.50E-01 0|0	Cs7g12630.1	6.75	0	0	2 MASCOT	T	PLEX8
9.62E-03 0|0	Cs7g12630.1	5.32	0	0	2 MASCOT	T	PLEX8
9.26E-02 0|0	Cs7g12630.1	5.32	0	0	2 MASCOT	T	PLEX8
4.32E-02 0|0	Cs7g12630.1	4.53	0	0	2 MASCOT	T	PLEX8
7.76E-04 0|0	Cs8g15500.1	8.8	0	0	2 MASCOT	T	PLEX8
1.25E-04 0|0	Cs8g15500.1	8.8	0	0	2 MASCOT	T	PLEX8
2.17E-02 0|0	Cs8g15500.1	4.14	0	0	2 MASCOT	T	PLEX8
4.73E-02 0|0	Cs8g15500.1	4.37	0	0	2 MASCOT	T	
1.57E-01 0|0	Cs8g15500.1	6.75	0	0	2 MASCOT	T	PLEX8
8.79E-03 0|0	Cs8g15500.1	4.53	0	0	2 MASCOT	T	PLEX8
4.37E-03 0|0	Cs8g15500.1	4.53	0	0	2 MASCOT	T	PLEX8
2.29E-01 0|0	Cs8g15500.1	8.6	0	0	2 MASCOT	T	PLEX8
2.23E-01 0|0	Cs9g03130.1/Cs9g031	6.11	0	0	2 MASCOT	T	PLEX8
1.31E-03 0|0	Cs9g03130.1/Cs9g031	9.75	0	0	2 MASCOT	T	PLEX8
3.30E-02 0|0	Cs9g03130.1/Cs9g031	6	0	0	2 MASCOT	T	PLEX8
4.17E-02 0|0	Cs9g03130.1/Cs9g031	6	0	0	2 MASCOT	T	PLEX8
1.42E-02 0|0	Cs9g03130.1	8.75	0	0	2 MASCOT	T	PLEX8
4.88E-04 0|0	Cs9g03130.1	8.75	0	0	2 MASCOT	T	PLEX8
5.68E-04 0|0	Cs9g03130.1/Cs9g031	4.37	0	0	2 MASCOT	T	PLEX8
3.14E-02 0|0	Cs9g03130.1/Cs9g031	8.59	0	0	2 MASCOT	T	PLEX8
3.83E-04 0|0	orange1.1t03206.1/ora	4.37	0	0	2 MASCOT	T	PLEX8
1.25E-02 0|0	orange1.1t03206.1/ora	9.76	0	0	2 MASCOT	T	PLEX8
2.71E-01 0|0	orange1.1t03206.1/ora	8.75	0	0	2 MASCOT	T	PLEX8
2.34E-01 0|0	orange1.1t03206.1/ora	8.75	0	0	2 MASCOT	T	PLEX8
1.46E-01 0|0	orange1.1t03206.1/ora	9.76	0	0	2 MASCOT	T	
5.75E-02 0|0	orange1.1t03206.1/ora	5.84	0 15.9	0	2 MASCOT	T	
6.81E-02 0|0	orange1.1t03206.1/ora	8.75	0	0	2 MASCOT	T	PLEX8
2.68E-01 0|0	orange1.1t03206.1/ora	8.75	0	0	2 MASCOT	T	PLEX8
1.81E-02 0|0	Cs6g11490.1	5.4	0	0	2 MASCOT	T	PLEX8

1.02E-02 0|0	Cs6g11490.1	5.4	0	0	2 MASCOT	T	PLEX8	
8.62E-02 0|0	Cs6g11490.1	4.23	1	0	2 MASCOT	T		
4.69E-02 0|0	Cs6g11490.1	3.92	0	0	2 MASCOT	T	PLEX8	
2.63E-05 0|0	Cs6g11490.1	4.75	0	15.9	0	2 MASCOT	T	PLEX8
1.80E-06 0|0	Cs6g11490.1	6.74	0	0	2 MASCOT	T	PLEX8	
2.30E-01 0|0	Cs6g11490.1	8.72	0	0	2 MASCOT	T	PLEX8	
3.88E-03 0|0	Cs7g30660.1/Cs7g306	4.37	0	0	2 MASCOT	T	PLEX8	
4.54E-03 0|0	Cs7g30660.1	4.53	0	0	2 MASCOT	T	PLEX8	
2.75E-03 0|0	Cs7g30660.1	4.53	0	0	2 MASCOT	T	PLEX8	
2.63E-02 0|0	Cs7g30660.1/Cs7g306	4.14	0	0	2 MASCOT	T	PLEX8	
1.15E-01 0|0	Cs7g30660.1/Cs7g306	4.53	0	0	2 MASCOT	T	PLEX8	
6.47E-03 0|0	Cs7g30660.1/Cs7g306	6.06	1	0	2 MASCOT	T	PLEX8	
6.35E-04 0|0	Cs7g30660.1/Cs7g306	3.91	0	0	2 MASCOT	T		
1.44E-06 0|0	Cs8g14070.1/Cs8g140	4.31	0	0	2 MASCOT	T	PLEX8	
9.83E-03 0|0	Cs6g13160.1/Cs6g131	3.98	0	0	2 MASCOT	T	PLEX8	
3.37E-02 0|0	Cs8g14070.1/Cs8g140	3.84	0	0	2 MASCOT	T	PLEX8	
1.71E-03 0|0	Cs6g13160.1/Cs6g131	4.13	0	0	2 MASCOT	T	PLEX8	
6.42E-02 0|0	Cs6g13160.1/Cs6g131	6.75	0	0	2 MASCOT	T	PLEX8	
5.22E-03 0|0	Cs8g14070.1/Cs8g140	9.76	0	0	2 MASCOT	T		
5.60E-02 0|0	Cs8g14070.1/Cs8g140	9.76	0	0	2 MASCOT	T		
3.13E-02 0|0	Cs9g17470.1/Cs9g174	5.84	0	0	2 MASCOT	T	PLEX8	
7.17E-02 0|0	Cs9g17470.1/Cs9g174	5.84	0	0	2 MASCOT	T	PLEX8	
2.74E-01 0|0	Cs9g17470.1/Cs9g174	9.75	0	0	2 MASCOT	T	PLEX8	
1.06E-03 0|0	Cs9g17470.1/Cs9g174	4.37	0	0	2 MASCOT	T	PLEX8	
2.45E-03 0|0	Cs9g17470.1	4.37	0	0	2 MASCOT	T		
1.96E-02 0|0	Cs9g17470.1/Cs9g174	4.1	0	0	2 MASCOT	T		
7.57E-04 0|0	Cs9g17470.1/Cs9g174	4.21	0	0	2 MASCOT	T	PLEX8	
5.53E-02 0|0	Cs9g18420.1/Cs9g184	4.37	0	0	2 MASCOT	T	PLEX8	
1.28E-02 0|0	Cs9g18420.1/Cs9g184	6	0	0	2 MASCOT	T	PLEX8	
1.41E-02 0|0	Cs9g18420.1/Cs9g184	6.14	1	0	2 MASCOT	T	PLEX8	
3.00E-02 0|0	Cs9g18420.1/Cs9g184	4.54	0	0	2 MASCOT	T		
4.82E-05 0|0	Cs9g18420.1/Cs9g184	6.74	0	0	2 MASCOT	T	PLEX8	
8.51E-05 0|0	Cs9g18420.1/Cs9g184	6.74	0	0	2 MASCOT	T	PLEX8	
3.17E-03 0|0	Cs9g18420.1/Cs9g184	4.53	0	0	2 MASCOT	T	PLEX8	
1.99E-03 0|0	Cs1g09490.1/Cs1g094	5.88	0	0	2 MASCOT	T	PLEX8	
5.29E-02 0|0	Cs1g09490.1/Cs1g094	6.47	0	0	2 MASCOT	T		
1.29E-01 0|0	Cs1g09490.1 ! Cs1g09	5.84	0	0	2 MASCOT	T	PLEX8	
1.88E-01 0|0	Cs1g09490.1/Cs1g094	4.03	0	0	2 MASCOT	T	PLEX8	
5.36E-03 0|0	Cs1g09490.1/Cs1g094	5.21	0	0	2 MASCOT	T	PLEX8	
1.22E-01 0|0	Cs1g09490.1/Cs1g094	4.14	0	0	2 MASCOT	T	PLEX8	
3.41E-03 0|0	Cs1g20950.1/Cs1g209	8.59	0	0	2 MASCOT	T	PLEX8	
3.60E-02 0|0	Cs1g20950.1/Cs1g209	4.25	0	0	2 MASCOT	T	PLEX8	
7.08E-04 0|0	Cs1g20950.1/Cs1g209	8.72	0	0	2 MASCOT	T	PLEX8	
1.43E-03 0|0	Cs1g20950.1/Cs1g209	4.53	0	0	2 MASCOT	T	PLEX8	
1.76E-03 0|0	Cs1g20950.1 ! Cs1g20	3.92	0	0	2 MASCOT	T		
2.56E-01 0|0	Cs6g14550.1 ! Cs5g30	6	0	0	2 MASCOT	T	PLEX8	
4.22E-02 0|0	Cs3g15120.1/Cs3g151	8.22	0	0	2 MASCOT	T	PLEX8	
2.48E-01 0|0	Cs3g15120.1/Cs3g151	6	0	0	2 MASCOT	T	PLEX8	
9.52E-02 0|0	Cs3g15120.1/Cs3g151	4.14	0	0	2 MASCOT	T	PLEX8	
2.68E-02 0|0	Cs3g15120.1/Cs3g151	4.03	0	0	2 MASCOT	T		
9.31E-02 0|0	Cs3g15120.1/Cs3g151	9.47	0	0	2 MASCOT	T	PLEX8	

1.38E-02	0|0	Cs3g15120.1/Cs3g151	4.14	0	0	2	MASCOT	T		
4.04E-02	0|0	Cs5g01850.1/orange1.	6.74	0	0	2	MASCOT	T	PLEX8	
2.35E-02	0|0	Cs5g01850.1	3.93	0	0	2	MASCOT	T	PLEX8	
1.69E-01	0|0	Cs5g01850.1	4.37	0	0	2	MASCOT	T	PLEX8	
2.55E-02	0|0	Cs5g01850.1/orange1.	8.75	0	0	2	MASCOT	T	PLEX8	
7.69E-04	0|0	Cs5g01850.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.22E-01	0|0	Cs5g01850.1	5.84	0	0	2	MASCOT	T	PLEX8	
2.66E-02	0|0	Cs7g15030.1/Cs7g150	5.94	0	0	2	MASCOT	T	PLEX8	
2.02E-02	0|0	Cs7g15030.1/Cs7g150	3.93	0	0	2	MASCOT	T	PLEX8	
1.76E-03	0|0	Cs7g15030.1/Cs7g150	4.37	0	0	2	MASCOT	T		
9.65E-03	0|0	Cs7g15030.1/Cs7g150	5.32	0	0	2	MASCOT	T	PLEX8	
1.09E-01	0|0	Cs7g15030.1/Cs7g150	4.03	0	0	2	MASCOT	T	PLEX8	
1.16E-01	0|0	Cs7g15030.1/Cs7g150	4.43	1	0	2	MASCOT	T	PLEX8	
4.03E-01	0|0	Cs8g20610.1	6.05	0	0	2	MASCOT	T	PLEX8	
1.45E-02	0|0	Cs8g20610.1	5.32	0	0	2	MASCOT	T	PLEX8	
5.76E-03	0|0	Cs8g20610.1	4.37	0	0	2	MASCOT	T	PLEX8	
7.16E-02	0|0	Cs8g20610.1	6.85	0	0	2	MASCOT	T	PLEX8	
2.85E-02	0|0	Cs8g20610.1	6	0	0	2	MASCOT	T	PLEX8	
2.03E-01	0|0	Cs8g20610.1	8.72	0	0	2	MASCOT	T	PLEX8	
7.45E-02	0|0	Cs6g09050.1/Cs6g090	8.75	0	0	2	MASCOT	T	PLEX8	
2.39E-01	0|0	Cs8g20660.1	6	0	0	2	MASCOT	T		
2.92E-02	0|0	Cs6g09050.1/Cs6g090	3.84	0	0	2	MASCOT	T		
7.27E-02	0|0	Cs6g09050.1/Cs6g090	8.75	0	0	2	MASCOT	T	PLEX8	
1.98E-01	0|0	Cs8g20660.1	9.47	0	0	2	MASCOT	T		
3.59E-03	0|0	Cs8g20660.1	5.97	0	0	2	MASCOT	T		
7.09E-02	0|0	Cs8g19540.1	5.88	0	0	2	MASCOT	T	PLEX8	
9.78E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0	15.9	0	2	MASCOT	T	PLEX8
6.42E-04	0|0	Cs6g07320.1/Cs8g195	6.05	0	15.9	0	2	MASCOT	T	PLEX8
1.04E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0	15.9	0	2	MASCOT	T	PLEX8
6.83E-03	0|0	Cs6g07320.1/Cs8g195	6.05	0	15.9	0	2	MASCOT	T	PLEX8
7.32E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0	15.9	0	2	MASCOT	T	PLEX8
1.19E-01	0|0	Cs6g07320.1/Cs8g195	6.05	0	15.9	0	2	MASCOT	T	
4.43E-01	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	2	MASCOT	T	PLEX8	
2.14E-04	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	2	MASCOT	T	PLEX8	
1.74E-01	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	2	MASCOT	T	PLEX8	
1.17E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	2	MASCOT	T	PLEX8	
3.31E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	2	MASCOT	T	PLEX8	
8.98E-04	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	2	MASCOT	T	PLEX8	
7.46E-03	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	2	MASCOT	T	PLEX8	
4.89E-05	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	2	MASCOT	T	PLEX8	
2.27E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	2	MASCOT	T	PLEX8	
2.40E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	2	MASCOT	T	PLEX8	
2.20E-04	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	2	MASCOT	T	PLEX8	
2.81E-03	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	2	MASCOT	T	PLEX8	
3.47E-06	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	2	MASCOT	T		
3.21E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	2	MASCOT	T	PLEX8	
3.60E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	2	MASCOT	T	PLEX8	
1.90E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	2	MASCOT	T	PLEX8	
9.12E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	2	MASCOT	T	PLEX8	
7.60E-06	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	2	MASCOT	T	PLEX8	
3.96E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	2	MASCOT	T	PLEX8	

2.74E-04	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	2	MASCOT	T	PLEX8
6.51E-02	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	2	MASCOT	T	PLEX8
5.35E-03	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	2	MASCOT	T	PLEX8
2.41E-01	0|0	Cs6g07320.1/Cs8g195	6.05	0	0	2	MASCOT	T	
8.05E-02	0|0	Cs3g07660.1 ! Cs6g07	5.4	0	0	2	MASCOT	T	PLEX8
4.85E-02	0|0	Cs3g07660.1 ! Cs6g07	5.4	0	0	2	MASCOT	T	PLEX8
3.50E-02	0|0	Cs3g07660.1 ! Cs6g07	5.4	0	0	2	MASCOT	T	PLEX8
3.40E-02	0|0	Cs3g07660.1 ! Cs6g07	5.4	0	0	2	MASCOT	T	PLEX8
9.44E-02	0|0	Cs3g07660.1 ! Cs6g07	5.4	0	0	2	MASCOT	T	PLEX8
5.37E-02	0|0	Cs3g07660.1 ! Cs6g07	5.4	0	0	2	MASCOT	T	
2.63E-01	0|0	Cs3g07660.1 ! Cs6g07	5.4	0	0	2	MASCOT	T	PLEX8
2.01E-03	0|0	Cs8g19490.1/Cs8g195	3.92	0	0	2	MASCOT	T	PLEX8
1.36E-02	0|0	Cs8g19490.1/Cs8g195	3.92	0	0	2	MASCOT	T	PLEX8
1.18E-03	0|0	Cs8g19490.1/Cs8g195	3.92	0	0	2	MASCOT	T	
1.95E-03	0|0	Cs8g19490.1/Cs8g195	3.92	0	0	2	MASCOT	T	
2.88E-02	0|0	Cs8g19490.1/Cs8g195	3.92	0	0	2	MASCOT	T	
4.09E-03	0|0	Cs8g19490.1/Cs8g195	3.92	0	0	2	MASCOT	T	
6.88E-03	0|0	Cs8g19490.1/Cs8g195	3.92	0	0	2	MASCOT	T	
3.03E-03	0|0	Cs8g19490.1/Cs8g195	3.92	0	0	2	MASCOT	T	PLEX8
6.86E-02	0|0	Cs8g19490.1/Cs8g195	4.32	1	0	2	MASCOT	T	
3.72E-02	0|0	Cs8g19490.1/Cs8g195	4.32	1	0	2	MASCOT	T	
4.84E-02	0|0	Cs1g12560.1	4.03	0	0	2	MASCOT	T	PLEX8
6.31E-03	0|0	Cs1g12560.1	4.03	0	0	2	MASCOT	T	PLEX8
6.53E-03	0|0	Cs1g12560.1	4.03	0	0	2	MASCOT	T	PLEX8
1.30E-01	0|0	Cs1g12560.1	6.74	0	0	2	MASCOT	T	PLEX8
1.99E-02	0|0	Cs1g12560.1	6.74	0	0	2	MASCOT	T	PLEX8
5.86E-03	0|0	Cs1g12560.1	6.74	0	0	2	MASCOT	T	PLEX8
2.86E-03	0|0	Cs1g12560.1	6.74	0	0	2	MASCOT	T	PLEX8
2.78E-01	0|0	Cs1g12560.1	6.74	0	0	2	MASCOT	T	PLEX8
2.24E-03	0|0	Cs1g12560.1	6.74	0	0	2	MASCOT	T	PLEX8
3.84E-03	0|0	Cs1g12560.1	6.74	0	0	2	MASCOT	T	PLEX8
3.62E-03	0|0	Cs1g12560.1	6.74	0	0	2	MASCOT	T	PLEX8
1.30E-01	0|0	Cs1g12560.1	6.74	0	0	2	MASCOT	T	PLEX8
1.74E-01	0|0	Cs1g12560.1	6.74	0	0	2	MASCOT	T	
3.02E-01	0|0	Cs1g12560.1	6.74	0	0	2	MASCOT	T	PLEX8
7.74E-04	0|0	Cs1g12560.1	6.74	0	0	2	MASCOT	T	PLEX8
5.04E-03	0|0	Cs1g12560.1	6.74	0	0	2	MASCOT	T	PLEX8
3.23E-03	0|0	Cs1g12560.1	6.74	0	0	2	MASCOT	T	PLEX8
2.95E-02	0|0	Cs1g12560.1	6.74	0	0	2	MASCOT	T	PLEX8
1.97E-02	0|0	Cs1g12560.1	6.74	0	0	2	MASCOT	T	PLEX8
8.01E-03	0|0	Cs1g12560.1	6.74	0	0	2	MASCOT	T	
1.13E-01	0|0	Cs1g12560.1	6.74	0	0	2	MASCOT	T	
3.99E-02	0|0	Cs1g12560.1	6.74	0	0	2	MASCOT	T	
7.17E-02	0|0	Cs1g12560.1	6.74	0	0	2	MASCOT	T	
1.35E-01	0|0	Cs1g12560.1	9.75	0	0	2	MASCOT	T	PLEX8
2.80E-04	0|0	Cs1g12560.1	9.75	0	0	2	MASCOT	T	
8.86E-02	0|0	Cs1g12560.1	9.75	0	0	2	MASCOT	T	PLEX8
1.09E-01	0|0	Cs1g12560.1	4.21	0	0	2	MASCOT	T	PLEX8
8.37E-02	0|0	Cs1g12560.1	4.21	0	0	2	MASCOT	T	PLEX8
3.22E-02	0|0	Cs1g12560.1	4.21	0	0	2	MASCOT	T	PLEX8
1.47E-02	0|0	Cs1g12560.1	4.21	0	0	2	MASCOT	T	PLEX8

1.33E-03 0|0	Cs1g12560.1	4.21	0	0	2	MASCOT	T	PLEX8
7.66E-04 0|0	Cs1g12560.1	4.21	0	0	2	MASCOT	T	PLEX8
2.23E-02 0|0	Cs1g12560.1	4.21	0	0	2	MASCOT	T	PLEX8
9.10E-04 0|0	Cs1g12560.1	4.21	0	0	2	MASCOT	T	PLEX8
4.78E-07 0|0	Cs1g12560.1	4.21	0	0	2	MASCOT	T	PLEX8
5.51E-04 0|0	Cs1g12560.1	4.21	0	0	2	MASCOT	T	PLEX8
1.48E-04 0|0	Cs1g12560.1	4.21	0	0	2	MASCOT	T	PLEX8
2.78E-04 0|0	Cs1g12560.1	4.21	0	0	2	MASCOT	T	PLEX8
6.31E-02 0|0	Cs1g12560.1	5.84	0	0	2	MASCOT	T	PLEX8
1.12E-01 0|0	Cs1g12560.1	5.84	0	0	2	MASCOT	T	PLEX8
5.33E-01 0|0	Cs1g12560.1	5.84	0	0	2	MASCOT	T	PLEX8
6.69E-02 0|0	Cs1g12560.1	5.84	0	0	2	MASCOT	T	PLEX8
3.13E-01 0|0	Cs1g12560.1	5.84	0	0	2	MASCOT	T	PLEX8
1.39E-01 0|0	Cs1g12560.1	5.84	0	0	2	MASCOT	T	PLEX8
5.06E-01 0|0	Cs1g12560.1	5.84	0	0	2	MASCOT	T	PLEX8
2.13E-01 0|0	Cs8g05060.1/orange1.	5.97	0	0	2	MASCOT	T	PLEX8
2.40E-02 0|0	orange1.1t04497.1	4.53	0	0	2	MASCOT	T	PLEX8
7.83E-03 0|0	Cs8g05060.1/orange1.	8.59	0	0	2	MASCOT	T	PLEX8
7.31E-02 0|0	Cs8g05060.1/orange1.	8.59	0	0	2	MASCOT	T	PLEX8
7.76E-02 0|0	Cs8g05060.1/orange1.	8.59	0	0	2	MASCOT	T	PLEX8
1.07E-02 0|0	Cs8g05060.1/orange1.	8.59	0	0	2	MASCOT	T	PLEX8
1.95E-01 0|0	Cs8g05060.1/orange1.	8.59	0	0	2	MASCOT	T	PLEX8
6.93E-02 0|0	Cs8g05060.1/orange1.	8.59	0	0	2	MASCOT	T	PLEX8
7.43E-02 0|0	Cs8g05060.1/orange1.	8.59	0	0	2	MASCOT	T	PLEX8
6.97E-02 0|0	Cs8g05060.1/orange1.	8.59	0	0	2	MASCOT	T	PLEX8
9.90E-03 0|0	Cs8g05060.1/orange1.	8.59	0	0	2	MASCOT	T	PLEX8
1.48E-01 0|0	Cs8g05060.1/orange1.	8.59	0	0	2	MASCOT	T	PLEX8
3.69E-02 0|0	Cs8g05060.1/orange1.	8.59	0	0	2	MASCOT	T	PLEX8
2.10E-01 0|0	Cs8g05060.1/orange1.	8.59	0	0	2	MASCOT	T	PLEX8
5.79E-03 0|0	Cs8g05060.1/orange1.	8.59	0	0	2	MASCOT	T	PLEX8
4.08E-01 0|0	Cs8g05060.1/orange1.	8.59	0	0	2	MASCOT	T	PLEX8
1.29E-02 0|0	Cs8g05060.1/orange1.	8.59	0	0	2	MASCOT	T	PLEX8
6.53E-03 0|0	Cs8g05060.1/orange1.	8.59	0	0	2	MASCOT	T	PLEX8
1.74E-01 0|0	Cs8g05060.1/orange1.	8.59	0	0	2	MASCOT	T	PLEX8
1.60E-02 0|0	Cs8g05060.1/orange1.	8.59	0	0	2	MASCOT	T	PLEX8
1.74E-01 0|0	Cs8g05060.1/orange1.	8.59	0	0	2	MASCOT	T	PLEX8
1.08E-01 0|0	Cs8g05060.1/orange1.	8.59	0	0	2	MASCOT	T	PLEX8
9.21E-03 0|0	Cs8g05060.1/orange1.	8.59	0	0	2	MASCOT	T	PLEX8
3.09E-03 0|0	Cs8g05060.1/orange1.	8.59	0	0	2	MASCOT	T	PLEX8
2.26E-02 0|0	Cs8g05060.1/orange1.	4.14	0	0	2	MASCOT	T	PLEX8
6.82E-02 0|0	Cs8g05060.1/orange1.	4.14	0	0	2	MASCOT	T	PLEX8
1.26E-02 0|0	Cs8g05060.1/orange1.	4.14	0	0	2	MASCOT	T	PLEX8
3.54E-04 0|0	Cs8g05060.1/orange1.	4.14	0	0	2	MASCOT	T	PLEX8
1.65E-05 0|0	Cs8g05060.1/orange1.	4.14	0	0	2	MASCOT	T	PLEX8
9.12E-02 0|0	Cs8g05060.1/orange1.	4.14	0	0	2	MASCOT	T	PLEX8
3.09E-02 0|0	Cs8g05060.1/orange1.	4.14	0	0	2	MASCOT	T	PLEX8
6.71E-04 0|0	Cs8g05060.1/orange1.	4.14	0	0	2	MASCOT	T	PLEX8
7.51E-02 0|0	Cs8g05060.1/orange1.	5.84	0 15.9	0	2	MASCOT	T	PLEX8
6.80E-02 0|0	Cs8g05060.1/orange1.	5.84	0 15.9	0	2	MASCOT	T	PLEX8
2.06E-01 0|0	Cs8g05060.1/orange1.	5.84	0 15.9	0	2	MASCOT	T	PLEX8
9.14E-02 0|0	Cs8g05060.1/orange1.	5.84	0 15.9	0	2	MASCOT	T	PLEX8

1.49E-02	0|0	Cs8g05060.1/orange1.	5.84	0	0	2	MASCOT	T	PLEX8	
2.06E-02	0|0	Cs8g05060.1/orange1.	5.84	0	0	2	MASCOT	T	PLEX8	
1.48E-02	0|0	Cs8g05060.1/orange1.	5.84	0	0	2	MASCOT	T	PLEX8	
4.69E-02	0|0	Cs8g05060.1/orange1.	5.84	0	0	2	MASCOT	T	PLEX8	
2.14E-01	0|0	Cs8g05060.1/orange1.	5.84	0	0	2	MASCOT	T	PLEX8	
1.09E-01	0|0	Cs8g05060.1/orange1.	5.84	0	0	2	MASCOT	T	PLEX8	
1.24E-02	0|0	Cs1g25910.1	4.75	0	0	2	MASCOT	T	PLEX8	
1.25E-02	0|0	Cs1g25910.1	4.75	0	0	2	MASCOT	T	PLEX8	
1.95E-02	0|0	Cs1g25910.1	4.75	0	0	2	MASCOT	T	PLEX8	
1.16E-02	0|0	Cs1g25910.1	4.75	0	0	2	MASCOT	T	PLEX8	
2.27E-05	0|0	Cs1g25910.1	5.32	0	0	2	MASCOT	T	PLEX8	
1.88E-05	0|0	Cs1g25910.1	5.32	0	0	2	MASCOT	T	PLEX8	
1.20E-02	0|0	Cs1g25910.1	5.32	0	0	2	MASCOT	T	PLEX8	
1.46E-02	0|0	Cs1g25910.1	5.32	0	0	2	MASCOT	T	PLEX8	
4.57E-03	0|0	Cs1g25910.1	5.32	0	0	2	MASCOT	T	PLEX8	
1.42E-05	0|0	Cs1g25910.1	5.32	0	0	2	MASCOT	T	PLEX8	
4.38E-02	0|0	Cs1g25910.1	5.32	0	0	2	MASCOT	T	PLEX8	
2.21E-04	0|0	Cs1g25910.1	5.32	0	0	2	MASCOT	T		
5.55E-02	0|0	Cs1g25910.1	5.32	0	0	2	MASCOT	T		
4.94E-05	0|0	Cs1g25910.1	5.32	0	0	2	MASCOT	T		
4.43E-03	0|0	Cs1g25910.1	5.32	0	0	2	MASCOT	T		
8.52E-04	0|0	Cs1g25910.1	5.32	0	0	2	MASCOT	T	PLEX8	
2.74E-02	0|0	Cs1g25910.1	5.32	0	0	2	MASCOT	T		
1.51E-05	0|0	Cs1g25910.1	5.32	0	0	2	MASCOT	T		
8.84E-02	0|0	Cs1g25910.1	5.32	0	0	2	MASCOT	T		
4.14E-03	0|0	Cs1g25910.1	5.32	0	0	2	MASCOT	T		
4.05E-02	0|0	Cs1g25910.1	5.32	0	0	2	MASCOT	T		
2.41E-01	0|0	Cs1g25910.1	5.32	0	0	2	MASCOT	T		
5.41E-05	0|0	Cs1g25910.1	5.32	0	0	2	MASCOT	T		
9.72E-05	0|0	Cs1g25910.1	5.32	0	0	2	MASCOT	T		
1.31E-05	0|0	Cs1g25910.1	5.32	0	0	2	MASCOT	T		
1.85E-02	0|0	Cs1g25910.1	8.75	0	0	2	MASCOT	T	PLEX8	
9.20E-02	0|0	Cs1g25910.1	8.75	0	0	2	MASCOT	T	PLEX8	
3.46E-03	0|0	Cs1g25910.1	8.75	0	0	2	MASCOT	T	PLEX8	
9.84E-03	0|0	Cs1g25910.1	8.75	0	0	2	MASCOT	T	PLEX8	
3.29E-04	0|0	Cs1g25910.1	8.75	0	0	2	MASCOT	T	PLEX8	
4.77E-03	0|0	Cs1g25910.1	5.5	1	0	2	MASCOT	T	PLEX8	
2.66E-02	0|0	Cs1g25910.1	5.4	0	0	2	MASCOT	T	PLEX8	
7.72E-02	0|0	Cs1g25910.1	5.4	0	0	2	MASCOT	T	PLEX8	
1.41E-03	0|0	Cs1g25910.1	5.4	0	0	2	MASCOT	T		
5.32E-01	0|0	Cs8g19490.1/Cs8g195	6.05	0	15.9	0	2	MASCOT	T	PLEX8
1.69E-01	0|0	Cs8g19490.1/Cs8g195	6.05	0	15.9	0	2	MASCOT	T	PLEX8
2.07E-01	0|0	Cs8g19490.1/Cs8g195	6.05	0	0	2	MASCOT	T	PLEX8	
5.44E-02	0|0	Cs8g19490.1/Cs8g195	6.05	0	0	2	MASCOT	T	PLEX8	
4.92E-02	0|0	Cs8g19490.1/Cs8g195	6.05	0	0	2	MASCOT	T	PLEX8	
1.55E-01	0|0	Cs8g19490.1/Cs8g195	6.05	0	0	2	MASCOT	T	PLEX8	
1.71E-01	0|0	Cs8g19490.1/Cs8g195	6.05	0	0	2	MASCOT	T	PLEX8	
7.79E-04	0|0	Cs8g19490.1/Cs8g195	6.05	0	0	2	MASCOT	T	PLEX8	
5.22E-06	0|0	Cs8g19490.1/Cs8g195	6.05	0	0	2	MASCOT	T	PLEX8	
4.48E-02	0|0	Cs8g19490.1/Cs8g195	6.05	0	0	2	MASCOT	T	PLEX8	
6.29E-04	0|0	Cs8g19490.1/Cs8g195	6.05	0	0	2	MASCOT	T	PLEX8	

8.31E-02	0|0	Cs8g19490.1/Cs8g195	6.05	0	0	2	MASCOT	T	PLEX8	
8.05E-02	0|0	Cs3g07660.1 ! Cs6g07	5.4	0	0	2	MASCOT	T	PLEX8	
4.85E-02	0|0	Cs3g07660.1 ! Cs6g07	5.4	0	0	2	MASCOT	T	PLEX8	
3.50E-02	0|0	Cs3g07660.1 ! Cs6g07	5.4	0	0	2	MASCOT	T	PLEX8	
3.40E-02	0|0	Cs3g07660.1 ! Cs6g07	5.4	0	0	2	MASCOT	T	PLEX8	
9.44E-02	0|0	Cs3g07660.1 ! Cs6g07	5.4	0	0	2	MASCOT	T	PLEX8	
5.37E-02	0|0	Cs3g07660.1 ! Cs6g07	5.4	0	0	2	MASCOT	T		
2.63E-01	0|0	Cs3g07660.1 ! Cs6g07	5.4	0	0	2	MASCOT	T	PLEX8	
2.01E-03	0|0	Cs8g19490.1/Cs8g195	3.92	0	0	2	MASCOT	T	PLEX8	
1.36E-02	0|0	Cs8g19490.1/Cs8g195	3.92	0	0	2	MASCOT	T	PLEX8	
1.18E-03	0|0	Cs8g19490.1/Cs8g195	3.92	0	0	2	MASCOT	T		
1.95E-03	0|0	Cs8g19490.1/Cs8g195	3.92	0	0	2	MASCOT	T		
2.88E-02	0|0	Cs8g19490.1/Cs8g195	3.92	0	0	2	MASCOT	T		
4.09E-03	0|0	Cs8g19490.1/Cs8g195	3.92	0	0	2	MASCOT	T		
6.88E-03	0|0	Cs8g19490.1/Cs8g195	3.92	0	0	2	MASCOT	T		
3.03E-03	0|0	Cs8g19490.1/Cs8g195	3.92	0	0	2	MASCOT	T	PLEX8	
6.86E-02	0|0	Cs8g19490.1/Cs8g195	4.32	1	0	2	MASCOT	T		
3.72E-02	0|0	Cs8g19490.1/Cs8g195	4.32	1	0	2	MASCOT	T		
2.23E-02	0|0	Cs8g19490.1/Cs8g195	9.47	0	15.9	0	2	MASCOT	T	PLEX8
3.93E-02	0|0	Cs8g19490.1/Cs8g195	9.47	0	0	2	MASCOT	T	PLEX8	
1.67E-02	0|0	Cs8g19490.1/Cs8g195	9.47	0	0	2	MASCOT	T	PLEX8	
3.74E-03	0|0	Cs3g09230.1	6	0	0	2	MASCOT	T		
2.90E-02	0|0	Cs3g09230.1	6	0	0	2	MASCOT	T		
6.49E-05	0|0	Cs3g09230.1	6	0	0	2	MASCOT	T		
1.10E-01	0|0	Cs3g09230.1	6	0	0	2	MASCOT	T		
2.40E-02	0|0	Cs3g09230.1	4.03	0	0	2	MASCOT	T		
2.13E-05	0|0	Cs3g09230.1	4.03	0	0	2	MASCOT	T		
6.95E-03	0|0	Cs3g09230.1	6	0	0	2	MASCOT	T	PLEX8	
8.67E-06	0|0	Cs3g09230.1	6	0	0	2	MASCOT	T	PLEX8	
1.06E-05	0|0	Cs3g09230.1	6	0	0	2	MASCOT	T	PLEX8	
2.53E-02	0|0	Cs3g09230.1	6	0	0	2	MASCOT	T	PLEX8	
1.28E-01	0|0	Cs3g09230.1	4.21	0	0	2	MASCOT	T	PLEX8	
5.56E-02	0|0	Cs3g09230.1	4.21	0	0	2	MASCOT	T	PLEX8	
1.11E-02	0|0	Cs3g09230.1	4.21	0	0	2	MASCOT	T	PLEX8	
1.58E-04	0|0	Cs3g09230.1	4.21	0	0	2	MASCOT	T	PLEX8	
1.21E-03	0|0	Cs3g09230.1	4.21	0	0	2	MASCOT	T	PLEX8	
1.13E-01	0|0	Cs3g09230.1	4.21	0	0	2	MASCOT	T	PLEX8	
2.47E-01	0|0	Cs3g09230.1	4.21	0	0	2	MASCOT	T	PLEX8	
5.11E-03	0|0	Cs3g09230.1	4.21	0	0	2	MASCOT	T	PLEX8	
5.39E-02	0|0	Cs3g09230.1	4.21	0	0	2	MASCOT	T	PLEX8	
2.87E-02	0|0	Cs3g09230.1	4.21	0	0	2	MASCOT	T	PLEX8	
3.70E-03	0|0	Cs3g09230.1	8.19	0	0	2	MASCOT	T	PLEX8	
5.80E-05	0|0	Cs3g09230.1	8.19	0	0	2	MASCOT	T	PLEX8	
9.50E-04	0|0	Cs3g09230.1	8.19	0	0	2	MASCOT	T	PLEX8	
1.68E-02	0|0	Cs3g09230.1	8.19	0	0	2	MASCOT	T	PLEX8	
1.59E-01	0|0	Cs3g15040.2	5.21	0	0	2	MASCOT	T	PLEX8	
1.68E-01	0|0	Cs3g15040.2	5.21	0	0	2	MASCOT	T		
3.48E-01	0|0	Cs3g15040.2	5.21	0	0	2	MASCOT	T	PLEX8	
9.04E-05	0|0	Cs3g15040.2	6.74	0	0	2	MASCOT	T	PLEX8	
4.67E-03	0|0	Cs3g15040.2	6.74	0	0	2	MASCOT	T	PLEX8	
1.90E-02	0|0	Cs3g15040.2	6.74	0	0	2	MASCOT	T	PLEX8	

5.76E-04	0|0	Cs3g15040.2	6.74	0	0	2	MASCOT	T	PLEX8	
2.32E-04	0|0	Cs3g15040.2	6.74	0	0	2	MASCOT	T	PLEX8	
3.01E-04	0|0	Cs3g15040.2	6.74	0	0	2	MASCOT	T		
4.81E-04	0|0	Cs3g15040.2	6.74	0	0	2	MASCOT	T		
3.21E-02	0|0	Cs5g21755.1 ! Cs4g15	6	0	0	2	MASCOT	T	PLEX8	
2.91E-02	0|0	Cs3g15040.2	5.21	0	0	2	MASCOT	T	PLEX8	
6.35E-03	0|0	Cs3g15040.2	5.21	0	0	2	MASCOT	T	PLEX8	
2.34E-02	0|0	Cs3g15040.2	5.21	0	0	2	MASCOT	T	PLEX8	
1.90E-02	0|0	Cs3g15040.2	5.21	0	0	2	MASCOT	T	PLEX8	
5.97E-02	0|0	Cs3g15040.2	4.37	0	15.9	0	2	MASCOT	T	PLEX8
1.17E-04	0|0	Cs3g15040.2	4.37	0	0	2	MASCOT	T	PLEX8	
8.06E-03	0|0	Cs3g15040.2	4.37	0	0	2	MASCOT	T	PLEX8	
1.32E-04	0|0	Cs3g15040.2	4.37	0	0	2	MASCOT	T	PLEX8	
2.11E-04	0|0	Cs3g15040.2	4.37	0	0	2	MASCOT	T	PLEX8	
7.32E-02	0|0	Cs3g15040.2	4.37	0	0	2	MASCOT	T	PLEX8	
7.17E-02	0|0	orange1.1t03425.1	4.25	0	0	2	MASCOT	T	PLEX8	
6.55E-04	0|0	orange1.1t03425.1	4.25	0	0	2	MASCOT	T		
6.56E-04	0|0	orange1.1t03425.1	4.25	0	0	2	MASCOT	T		
8.44E-03	0|0	orange1.1t03425.1	4.25	0	0	2	MASCOT	T		
3.61E-02	0|0	orange1.1t03425.1	8.47	0	0	2	MASCOT	T	PLEX8	
1.92E-05	0|0	Cs2g07720.1/Cs2g077	5.72	0	0	2	MASCOT	T		
2.93E-04	0|0	Cs2g07720.1/Cs2g077	5.72	0	0	2	MASCOT	T		
4.76E-03	0|0	Cs2g07720.1/Cs2g077	8.73	0	0	2	MASCOT	T	PLEX8	
2.61E-02	0|0	Cs2g07720.1/Cs2g077	8.73	0	0	2	MASCOT	T	PLEX8	
9.44E-04	0|0	Cs2g07720.1/Cs2g077	8.73	0	0	2	MASCOT	T	PLEX8	
4.51E-02	0|0	Cs2g07720.1/Cs2g077	8.73	0	0	2	MASCOT	T	PLEX8	
4.55E-02	0|0	Cs2g07720.1/Cs2g077	8.73	0	0	2	MASCOT	T	PLEX8	
1.24E-03	0|0	Cs2g07720.1/Cs2g077	8.73	0	0	2	MASCOT	T	PLEX8	
1.76E-03	0|0	Cs2g07720.1/Cs2g077	8.73	0	0	2	MASCOT	T	PLEX8	
3.17E-03	0|0	Cs2g07720.1/Cs2g077	8.73	0	0	2	MASCOT	T	PLEX8	
9.42E-03	0|0	Cs2g07720.1/Cs2g077	8.73	0	0	2	MASCOT	T	PLEX8	
8.19E-03	0|0	Cs2g07720.1/Cs2g077	8.73	0	0	2	MASCOT	T		
2.56E-02	0|0	orange1.1t03425.1	4.14	0	0	2	MASCOT	T	PLEX8	
2.47E-03	0|0	orange1.1t03425.1	4.14	0	0	2	MASCOT	T	PLEX8	
2.56E-01	0|0	orange1.1t03425.1	4.14	0	0	2	MASCOT	T	PLEX8	
1.30E-01	0|0	orange1.1t03425.1	4.14	0	0	2	MASCOT	T	PLEX8	
1.29E-01	0|0	Cs6g03820.1/Cs6g038	4.37	0	0	2	MASCOT	T	PLEX8	
4.73E-03	0|0	Cs6g03820.1/Cs6g038	4.37	0	0	2	MASCOT	T	PLEX8	
2.80E-02	0|0	Cs6g03820.1/Cs6g038	4.37	0	0	2	MASCOT	T	PLEX8	
6.77E-05	0|0	Cs6g03820.1/Cs6g038	4.37	0	0	2	MASCOT	T	PLEX8	
1.68E-02	0|0	Cs6g03820.1/Cs6g038	4.37	0	0	2	MASCOT	T	PLEX8	
2.28E-01	0|0	Cs6g03820.1/Cs6g038	4.37	0	0	2	MASCOT	T	PLEX8	
2.37E-02	0|0	Cs6g03820.1/Cs6g038	4.37	0	0	2	MASCOT	T	PLEX8	
1.79E-01	0|0	Cs6g03820.1/Cs6g038	4.37	0	0	2	MASCOT	T	PLEX8	
6.93E-04	0|0	Cs6g03820.1/Cs6g038	4.37	0	0	2	MASCOT	T	PLEX8	
6.00E-03	0|0	Cs6g03820.1/Cs6g038	4.37	0	0	2	MASCOT	T	PLEX8	
4.86E-03	0|0	Cs6g03820.1/Cs6g038	4.37	0	0	2	MASCOT	T	PLEX8	
4.92E-03	0|0	Cs6g03820.1/Cs6g038	4.37	0	0	2	MASCOT	T	PLEX8	
8.65E-02	0|0	Cs6g03820.1/Cs6g038	4.37	0	0	2	MASCOT	T	PLEX8	
2.77E-02	0|0	Cs6g03820.1/Cs6g038	6.72	0	0	2	MASCOT	T	PLEX8	
2.01E-01	0|0	Cs6g03820.1/Cs6g038	8.59	0	0	2	MASCOT	T	PLEX8	

3.43E-05	0|0	Cs6g03820.1/Cs6g038	4.11	1	0	2	MASCOT	T	PLEX8
4.42E-02	0|0	Cs6g03820.1/Cs6g038	4.11	1	0	2	MASCOT	T	PLEX8
2.48E-02	0|0	Cs6g03820.1/Cs6g038	4.11	1	0	2	MASCOT	T	PLEX8
5.53E-05	0|0	Cs6g03820.1/Cs6g038	4.11	1	0	2	MASCOT	T	
1.57E-03	0|0	Cs6g03820.1/Cs6g038	4.11	1	0	2	MASCOT	T	
3.96E-01	0|0	Cs7g32500.1/Cs7g325	8.75	0	0	2	MASCOT	T	PLEX8
3.44E-03	0|0	Cs7g32500.1/Cs7g325	5.4	0	0	2	MASCOT	T	PLEX8
3.08E-02	0|0	Cs7g32500.1/Cs7g325	5.4	0	0	2	MASCOT	T	
6.85E-07	0|0	Cs7g32500.1/Cs7g325	5.4	0	0	2	MASCOT	T	
4.16E-03	0|0	Cs7g32500.1/Cs7g325	8.56	0	0	2	MASCOT	T	PLEX8
2.24E-03	0|0	Cs7g32500.1/Cs7g325	8.56	0	0	2	MASCOT	T	PLEX8
1.19E-01	0|0	Cs7g32500.1/Cs7g325	8.56	0	0	2	MASCOT	T	PLEX8
8.97E-03	0|0	Cs7g32500.1/Cs7g325	8.56	0	0	2	MASCOT	T	
2.16E-01	0|0	Cs7g32500.1/Cs7g325	8.56	0	0	2	MASCOT	T	
5.71E-03	0|0	Cs7g32500.1/Cs7g325	8.56	0	0	2	MASCOT	T	PLEX8
2.95E-03	0|0	Cs7g32500.1/Cs7g325	4.53	0	0	2	MASCOT	T	
1.03E-05	0|0	Cs7g32500.1/Cs7g325	4.53	0	0	2	MASCOT	T	
1.69E-03	0|0	Cs7g32500.1/Cs7g325	4.53	0	0	2	MASCOT	T	
1.77E-05	0|0	Cs7g32500.1/Cs7g325	4.53	0	0	2	MASCOT	T	
3.68E-04	0|0	Cs7g32500.1/Cs7g325	4.53	0	0	2	MASCOT	T	
8.57E-06	0|0	Cs7g32500.1/Cs7g325	4.53	0	0	2	MASCOT	T	
7.28E-03	0|0	Cs7g32500.1/Cs7g325	4.53	0	0	2	MASCOT	T	
5.93E-04	0|0	Cs7g32500.1/Cs7g325	4.53	0	0	2	MASCOT	T	
2.11E-02	0|0	Cs7g32500.1/Cs7g325	4.14	0	0	2	MASCOT	T	PLEX8
5.33E-05	0|0	Cs7g32500.1/Cs7g325	4.14	0	0	2	MASCOT	T	PLEX8
2.02E-01	0|0	Cs1g20220.1/Cs1g202	5.84	0	0	2	MASCOT	T	
1.53E-01	0|0	Cs1g20220.1/Cs1g202	4.53	0	0	2	MASCOT	T	PLEX8
1.04E-01	0|0	Cs1g20220.1/Cs1g202	6.1	0	0	2	MASCOT	T	PLEX8
7.05E-04	0|0	Cs1g20220.1/Cs1g202	6.1	0	0	2	MASCOT	T	PLEX8
1.62E-02	0|0	Cs1g20220.1/Cs1g202	6.1	0	0	2	MASCOT	T	PLEX8
6.24E-03	0|0	Cs1g20220.1/Cs1g202	6.1	0	0	2	MASCOT	T	PLEX8
6.45E-02	0|0	Cs1g20220.1/Cs1g202	6.1	0	0	2	MASCOT	T	PLEX8
2.16E-01	0|0	Cs1g20220.1/Cs1g202	8.59	0	0	2	MASCOT	T	PLEX8
7.83E-03	0|0	Cs1g20220.1/Cs1g202	8.59	0	0	2	MASCOT	T	PLEX8
2.11E-02	0|0	Cs1g20220.1/Cs1g202	8.59	0	0	2	MASCOT	T	PLEX8
4.75E-02	0|0	Cs1g20220.1/Cs1g202	8.59	0	0	2	MASCOT	T	PLEX8
2.21E-01	0|0	Cs1g20220.1/Cs1g202	8.59	0	0	2	MASCOT	T	PLEX8
4.29E-03	0|0	Cs1g20220.1/Cs1g202	8.59	0	0	2	MASCOT	T	PLEX8
1.78E-02	0|0	Cs1g20220.1/Cs1g202	8.59	0	0	2	MASCOT	T	PLEX8
1.09E-01	0|0	Cs1g20220.1/Cs1g202	8.59	0	0	2	MASCOT	T	PLEX8
4.07E-02	0|0	Cs1g20220.1/Cs1g202	8.59	0	0	2	MASCOT	T	PLEX8
5.17E-02	0|0	Cs1g20220.1/Cs1g202	8.59	0	0	2	MASCOT	T	
5.08E-02	0|0	Cs1g20220.1/Cs1g202	8.59	0	0	2	MASCOT	T	
5.35E-02	0|0	Cs3g17470.1/Cs3g174	4.25	0	0	2	MASCOT	T	PLEX8
1.64E-01	0|0	Cs7g24780.1/Cs7g247	6.75	0	0	2	MASCOT	T	
1.77E-02	0|0	Cs7g24780.1/Cs7g247	6.74	0	0	2	MASCOT	T	PLEX8
4.35E-02	0|0	Cs7g24780.1/Cs7g247	6.74	0	0	2	MASCOT	T	PLEX8
1.73E-01	0|0	Cs7g24780.1/Cs7g247	6.74	0	0	2	MASCOT	T	PLEX8
2.44E-03	0|0	Cs7g24780.1/Cs7g247	6.74	0	0	2	MASCOT	T	PLEX8
3.88E-03	0|0	Cs7g24780.1/Cs7g247	6.74	0	0	2	MASCOT	T	
8.16E-04	0|0	Cs7g24780.1/Cs7g247	6.75	0	0	2	MASCOT	T	PLEX8

2.02E-01	0|0	Cs7g24780.1/Cs7g247	6.75	0	0	2	MASCOT	T	PLEX8
1.38E-03	0|0	Cs7g24780.1/Cs7g247	5.72	0	0	2	MASCOT	T	PLEX8
1.22E-01	0|0	Cs7g24780.1/Cs7g247	5.72	0	0	2	MASCOT	T	PLEX8
9.41E-03	0|0	Cs7g24780.1/Cs7g247	5.72	0	0	2	MASCOT	T	PLEX8
1.07E-01	0|0	Cs7g24780.1/Cs7g247	5.72	0	0	2	MASCOT	T	PLEX8
2.42E-04	0|0	Cs7g24780.1/Cs7g247	6.74	0	0	2	MASCOT	T	PLEX8
7.07E-02	0|0	Cs7g24780.1/Cs7g247	6.74	0	0	2	MASCOT	T	PLEX8
1.11E-04	0|0	Cs7g24780.1/Cs7g247	6.74	0	0	2	MASCOT	T	PLEX8
1.46E-03	0|0	Cs7g24780.1/Cs7g247	6.74	0	0	2	MASCOT	T	PLEX8
2.62E-03	0|0	Cs7g24780.1/Cs7g247	6.74	0	0	2	MASCOT	T	PLEX8
2.77E-04	0|0	Cs7g24780.1/Cs7g247	6.74	0	0	2	MASCOT	T	PLEX8
2.13E-04	0|0	Cs7g29850.1/Cs7g298	6.05	0	0	2	MASCOT	T	PLEX8
1.28E-02	0|0	Cs7g29850.1/Cs7g298	6.05	0	0	2	MASCOT	T	
6.36E-05	0|0	Cs7g29850.1/Cs7g298	6.05	0	0	2	MASCOT	T	PLEX8
3.04E-03	0|0	Cs7g29850.1/Cs7g298	6.05	0	0	2	MASCOT	T	
2.19E-02	0|0	Cs7g29850.1/Cs7g298	8.51	0	0	2	MASCOT	T	PLEX8
9.07E-02	0|0	Cs7g29850.1/Cs7g298	8.51	0	0	2	MASCOT	T	PLEX8
2.62E-02	0|0	Cs7g29850.1/Cs7g298	8.51	0	0	2	MASCOT	T	PLEX8
4.08E-02	0|0	Cs7g29850.1/Cs7g298	8.51	0	0	2	MASCOT	T	PLEX8
2.75E-03	0|0	Cs7g29850.1/Cs7g298	8.51	0	0	2	MASCOT	T	
1.26E-02	0|0	Cs7g29850.1/Cs7g298	5.81	0	0	2	MASCOT	T	
9.26E-05	0|0	Cs7g29850.1/Cs7g298	5.81	0	0	2	MASCOT	T	
1.56E-01	0|0	Cs7g29850.1/Cs7g298	5.81	0	0	2	MASCOT	T	
3.38E-03	0|0	Cs7g29850.1/Cs7g298	5.81	0	0	2	MASCOT	T	
1.19E-01	0|0	Cs7g29850.1/Cs7g298	5.83	0	0	2	MASCOT	T	PLEX8
1.55E-01	0|0	Cs7g29850.1/Cs7g298	5.83	0	0	2	MASCOT	T	
1.32E-01	0|0	Cs7g29850.1/Cs7g298	4.37	0	0	2	MASCOT	T	
2.35E-04	0|0	Cs7g29850.1/Cs7g298	4.37	0	0	2	MASCOT	T	
2.41E-04	0|0	Cs7g29850.1/Cs7g298	4.37	0	0	2	MASCOT	T	
4.40E-02	0|0	Cs9g09470.1	6.74	0	0	2	MASCOT	T	PLEX8
6.40E-03	0|0	Cs9g09470.1	6.74	0	0	2	MASCOT	T	PLEX8
4.31E-06	0|0	Cs9g09470.1	6.74	0	0	2	MASCOT	T	PLEX8
1.59E-03	0|0	Cs9g09470.1	6.74	0	0	2	MASCOT	T	PLEX8
9.12E-06	0|0	Cs9g09470.1	6.74	0	0	2	MASCOT	T	PLEX8
2.58E-02	0|0	Cs9g09470.1	4.37	0	0	2	MASCOT	T	PLEX8
1.91E-03	0|0	Cs9g09470.1	4.37	0	0	2	MASCOT	T	PLEX8
1.10E-02	0|0	Cs9g09470.1	4.37	0	0	2	MASCOT	T	PLEX8
7.23E-02	0|0	Cs9g09470.1	4.37	0	0	2	MASCOT	T	PLEX8
2.84E-04	0|0	Cs9g09470.1	4.37	0	0	2	MASCOT	T	PLEX8
4.93E-04	0|0	Cs9g09470.1	4.37	0	0	2	MASCOT	T	PLEX8
3.16E-02	0|0	Cs9g09470.1	4.37	0	0	2	MASCOT	T	PLEX8
3.53E-01	0|0	Cs9g09470.1	4.37	0	0	2	MASCOT	T	PLEX8
3.05E-01	0|0	Cs9g09470.1	8.72	0	0	2	MASCOT	T	PLEX8
3.28E-01	0|0	Cs9g09470.1	8.72	0	0	2	MASCOT	T	PLEX8
6.73E-02	0|0	Cs9g09470.1	8.72	0	0	2	MASCOT	T	PLEX8
1.75E-02	0|0	Cs9g09470.1/Cs9g094	5.81	0	0	2	MASCOT	T	PLEX8
6.66E-03	0|0	Cs9g09470.1/Cs9g094	5.81	0	0	2	MASCOT	T	PLEX8
1.19E-01	0|0	Cs3g17940.1/Cs9g098	5.88	0	0	2	MASCOT	T	PLEX8
4.30E-01	0|0	Cs9g09850.1	6	0	0	2	MASCOT	T	PLEX8
1.22E-02	0|0	Cs9g09850.1	6	0	0	2	MASCOT	T	PLEX8
1.48E-02	0|0	Cs9g09850.1	6	0	0	2	MASCOT	T	PLEX8

2.88E-02	0|0	Cs9g09850.1	6	0	0	2	MASCOT	T	PLEX8
5.05E-01	0|0	Cs9g09850.1	6	0	0	2	MASCOT	T	PLEX8
4.17E-04	0|0	Cs3g17940.1/Cs9g098	4.21	0	0	2	MASCOT	T	PLEX8
4.67E-02	0|0	Cs3g17940.1/Cs9g098	4.21	0	0	2	MASCOT	T	PLEX8
8.58E-03	0|0	Cs3g17940.1/Cs9g098	4.21	0	0	2	MASCOT	T	PLEX8
4.60E-03	0|0	Cs3g17940.1/Cs9g098	4.21	0	0	2	MASCOT	T	PLEX8
3.96E-01	0|0	Cs3g17940.1/Cs9g098	4.21	0	0	2	MASCOT	T	PLEX8
7.79E-04	0|0	Cs3g17940.1/Cs9g098	4.21	0	0	2	MASCOT	T	PLEX8
9.41E-02	0|0	Cs3g17940.1/Cs9g098	4.21	0	0	2	MASCOT	T	PLEX8
1.23E-02	0|0	Cs3g17940.1/Cs9g098	4.21	0	0	2	MASCOT	T	PLEX8
3.21E-01	0|0	Cs3g17940.1/Cs9g098	8.75	0	0	2	MASCOT	T	PLEX8
2.79E-03	0|0	Cs3g17940.1/Cs9g098	8.75	0	0	2	MASCOT	T	PLEX8
2.61E-03	0|0	Cs3g17940.1/Cs9g098	8.75	0	0	2	MASCOT	T	PLEX8
4.20E-03	0|0	Cs9g09850.1	3.92	0	0	2	MASCOT	T	PLEX8
9.04E-02	0|0	Cs7g30370.1/Cs7g303	8.8	0	0	2	MASCOT	T	PLEX8
6.84E-02	0|0	Cs7g30370.1/Cs7g303	8.8	0	0	2	MASCOT	T	PLEX8
3.39E-03	0|0	Cs7g30370.1/Cs7g303	4.37	0	0	2	MASCOT	T	PLEX8
1.34E-02	0|0	Cs7g30370.1/Cs7g303	4.37	0	0	2	MASCOT	T	PLEX8
1.84E-02	0|0	Cs7g30370.1/Cs7g303	4.37	0	0	2	MASCOT	T	PLEX8
4.75E-02	0|0	Cs7g30370.1/Cs7g303	3.91	0	0	2	MASCOT	T	PLEX8
3.53E-03	0|0	Cs7g30370.1/Cs7g303	3.91	0	0	2	MASCOT	T	PLEX8
1.87E-04	0|0	Cs7g30370.1/Cs7g303	3.91	0	0	2	MASCOT	T	PLEX8
5.06E-04	0|0	Cs7g30370.1/Cs7g303	3.91	0	0	2	MASCOT	T	PLEX8
9.99E-02	0|0	Cs7g30370.1/Cs7g303	5.66	0	0	2	MASCOT	T	PLEX8
4.92E-02	0|0	Cs7g30370.1/Cs7g303	5.66	0	0	2	MASCOT	T	PLEX8
2.50E-01	0|0	Cs7g30370.1/Cs7g303	5.66	0	0	2	MASCOT	T	PLEX8
1.35E-02	0|0	Cs7g30370.1/Cs7g303	5.66	0	0	2	MASCOT	T	PLEX8
3.28E-01	0|0	Cs7g30370.1/Cs7g303	5.66	0	0	2	MASCOT	T	PLEX8
3.74E-02	0|0	Cs7g30370.1/Cs7g303	5.32	0 15.9	0	2	MASCOT	T	PLEX8
1.36E-01	0|0	Cs7g30370.1/Cs7g303	5.32	0	0	2	MASCOT	T	PLEX8
1.56E-02	0|0	Cs7g30370.1/Cs7g303	5.32	0	0	2	MASCOT	T	PLEX8
4.52E-03	0|0	Cs3g21500.1/Cs3g215	5.99	0	0	2	MASCOT	T	PLEX8
3.28E-03	0|0	Cs3g21500.1/Cs3g215	5.99	0	0	2	MASCOT	T	PLEX8
9.61E-03	0|0	Cs3g21500.1/Cs3g215	4.4	0	0	2	MASCOT	T	PLEX8
4.07E-02	0|0	Cs3g21500.1/Cs3g215	4.4	0	0	2	MASCOT	T	PLEX8
1.23E-01	0|0	Cs3g21500.1	4	0	0	2	MASCOT	T	PLEX8
2.63E-02	0|0	Cs3g21500.1	4.68	0	0	2	MASCOT	T	PLEX8
3.36E-02	0|0	Cs3g21500.1	4.68	0	0	2	MASCOT	T	PLEX8
5.42E-02	0|0	Cs3g21500.1	4.68	0	0	2	MASCOT	T	PLEX8
1.25E-03	0|0	Cs3g21500.1	4.68	0	0	2	MASCOT	T	PLEX8
1.30E-02	0|0	Cs3g21500.1	4.68	0	0	2	MASCOT	T	PLEX8
1.61E-02	0|0	Cs3g21500.1	6.18	1	0	2	MASCOT	T	PLEX8
1.37E-02	0|0	Cs3g21500.1	6.18	1	0	2	MASCOT	T	PLEX8
5.71E-03	0|0	Cs3g21500.1	6.18	1	0	2	MASCOT	T	PLEX8
1.70E-02	0|0	Cs3g21500.1	6.18	1	0	2	MASCOT	T	PLEX8
2.10E-02	0|0	Cs3g21500.1	6.18	1	0	2	MASCOT	T	PLEX8
1.37E-02	0|0	Cs3g21500.1	6.18	1	0	2	MASCOT	T	PLEX8
1.67E-02	0|0	Cs2g03260.1	5.88	0	0	2	MASCOT	T	PLEX8
9.96E-03	0|0	Cs2g03260.1	5.88	0	0	2	MASCOT	T	PLEX8
7.59E-04	0|0	Cs2g03260.1	5.88	0	0	2	MASCOT	T	PLEX8
1.02E-02	0|0	Cs2g03260.1	5.88	0	0	2	MASCOT	T	PLEX8

5.56E-02	0|0	Cs2g03260.1/Cs2g032	4.03	0	0	2	MASCOT	T	PLEX8	
7.39E-03	0|0	Cs2g03260.1	5.4	0	0	2	MASCOT	T	PLEX8	
7.30E-02	0|0	Cs2g03260.1	5.4	0	0	2	MASCOT	T	PLEX8	
1.61E-01	0|0	Cs2g03260.1	5.4	0	0	2	MASCOT	T		
2.97E-02	0|0	Cs2g03260.1	5.4	0	0	2	MASCOT	T		
5.51E-02	0|0	Cs2g03260.1	5.4	0	0	2	MASCOT	T		
1.60E-03	0|0	Cs2g03260.1/Cs2g032	6.75	0	0	2	MASCOT	T	PLEX8	
2.01E-03	0|0	Cs2g03260.1/Cs2g032	6.75	0	0	2	MASCOT	T	PLEX8	
6.88E-03	0|0	Cs2g03260.1/Cs2g032	8.6	0	15.9	0	2	MASCOT	T	PLEX8
4.49E-02	0|0	Cs2g03260.1/Cs2g032	8.6	0	15.9	0	2	MASCOT	T	
3.34E-03	0|0	Cs2g03260.1/Cs2g032	8.6	0	0	2	MASCOT	T	PLEX8	
1.11E-01	0|0	Cs2g13560.1/Cs2g135	8.22	0	0	2	MASCOT	T	PLEX8	
2.88E-04	0|0	Cs2g13560.1/Cs2g135	8.22	0	0	2	MASCOT	T	PLEX8	
4.33E-06	0|0	Cs2g13560.1/Cs2g135	8.22	0	0	2	MASCOT	T	PLEX8	
2.51E-02	0|0	Cs2g13560.1/Cs2g135	6.07	1	15.9	0	2	MASCOT	T	PLEX8
2.49E-02	0|0	Cs2g13560.1/Cs2g135	6.07	1	0	2	MASCOT	T	PLEX8	
3.42E-02	0|0	Cs2g13560.1/Cs2g135	6.07	1	0	2	MASCOT	T	PLEX8	
1.63E-05	0|0	Cs2g13560.2	4.09	0	15.9	0	2	MASCOT	T	
1.34E-04	0|0	Cs2g13560.2	4.09	0	0	2	MASCOT	T		
1.11E-04	0|0	Cs2g13560.1/Cs2g135	5.72	0	0	2	MASCOT	T	PLEX8	
1.24E-07	0|0	Cs2g13560.1/Cs2g135	5.72	0	0	2	MASCOT	T	PLEX8	
7.18E-02	0|0	Cs2g13560.1/Cs2g135	5.72	0	0	2	MASCOT	T	PLEX8	
1.03E-02	0|0	Cs2g13560.1/Cs2g135	5.72	0	0	2	MASCOT	T	PLEX8	
7.79E-02	0|0	Cs2g13560.1/Cs2g135	5.72	0	0	2	MASCOT	T	PLEX8	
4.27E-03	0|0	Cs2g13560.1/Cs2g135	5.72	0	0	2	MASCOT	T	PLEX8	
2.75E-03	0|0	Cs2g13560.1/Cs2g135	5.72	0	0	2	MASCOT	T	PLEX8	
1.56E-02	0|0	Cs3g19770.1/Cs3g197	6.46	0	0	2	MASCOT	T		
1.39E-02	0|0	Cs3g19770.1/Cs3g197	6.46	0	0	2	MASCOT	T		
5.14E-02	0|0	Cs3g19770.1/Cs3g197	4.03	0	0	2	MASCOT	T	PLEX8	
2.27E-02	0|0	Cs3g19770.1/Cs3g197	5.84	0	0	2	MASCOT	T	PLEX8	
3.30E-02	0|0	Cs3g19770.1/Cs3g197	5.84	0	0	2	MASCOT	T	PLEX8	
5.77E-03	0|0	Cs3g19770.1/Cs3g197	5.84	0	0	2	MASCOT	T	PLEX8	
4.62E-02	0|0	Cs3g19770.1/Cs3g197	4.31	0	15.9	0	2	MASCOT	T	PLEX8
1.81E-02	0|0	Cs3g19770.1/Cs3g197	4.31	0	15.9	0	2	MASCOT	T	
1.56E-01	0|0	Cs3g19770.1/Cs3g197	4.31	0	0	2	MASCOT	T	PLEX8	
2.48E-03	0|0	Cs3g19770.1/Cs3g197	4.31	0	0	2	MASCOT	T	PLEX8	
1.19E-04	0|0	Cs3g19770.1/Cs3g197	4.31	0	0	2	MASCOT	T		
9.27E-02	0|0	Cs3g19770.1/Cs3g197	4.31	0	0	2	MASCOT	T		
2.84E-02	0|0	Cs3g19770.1/Cs3g197	6.75	0	0	2	MASCOT	T	PLEX8	
5.78E-02	0|0	Cs3g19770.1/Cs3g197	6.75	0	0	2	MASCOT	T	PLEX8	
2.89E-02	0|0	Cs3g19770.1/Cs3g197	6.75	0	0	2	MASCOT	T		
6.83E-02	0|0	Cs3g20800.1/Cs3g208	4.25	0	0	2	MASCOT	T	PLEX8	
9.43E-02	0|0	Cs3g20800.1/Cs3g208	6.75	0	0	2	MASCOT	T	PLEX8	
1.47E-03	0|0	Cs3g20800.1/Cs3g208	6.75	0	0	2	MASCOT	T	PLEX8	
4.24E-01	0|0	Cs3g20800.1/Cs3g208	6.75	0	0	2	MASCOT	T	PLEX8	
1.78E-01	0|0	Cs3g20800.1/Cs3g208	5.84	0	0	2	MASCOT	T	PLEX8	
7.54E-02	0|0	Cs3g20800.1/Cs3g208	6.41	0	15.9	0	2	MASCOT	T	PLEX8
4.22E-02	0|0	Cs3g20800.1/Cs3g208	6.41	0	15.9	0	2	MASCOT	T	PLEX8
8.08E-03	0|0	Cs3g20800.1/Cs3g208	6.41	0	15.9	0	2	MASCOT	T	PLEX8
9.51E-02	0|0	Cs3g20800.1/Cs3g208	6.41	0	0	2	MASCOT	T	PLEX8	
4.98E-04	0|0	Cs3g20800.1/Cs3g208	6.41	0	0	2	MASCOT	T	PLEX8	

6.14E-02	0|0	Cs3g20800.1/Cs3g208	4.37	0	0	2	MASCOT	T	PLEX8	
1.98E-01	0|0	Cs3g20800.1/Cs3g208	4.37	0	0	2	MASCOT	T	PLEX8	
6.49E-02	0|0	Cs3g20800.1/Cs3g208	4.37	0	0	2	MASCOT	T	PLEX8	
6.95E-02	0|0	Cs3g20800.1/Cs3g208	4.37	0	0	2	MASCOT	T	PLEX8	
5.69E-02	0|0	Cs3g20800.1/Cs3g208	4.37	0	0	2	MASCOT	T	PLEX8	
2.46E-02	0|0	Cs5g20670.1	4.21	0	0	2	MASCOT	T	PLEX8	
6.03E-02	0|0	Cs5g20670.1	4.21	0	0	2	MASCOT	T		
1.13E-02	0|0	Cs5g20670.1	6.75	0	0	2	MASCOT	T	PLEX8	
4.09E-07	0|0	Cs5g20670.1	3.94	0	0	2	MASCOT	T	PLEX8	
5.16E-03	0|0	Cs5g20670.1	3.94	0	0	2	MASCOT	T		
5.75E-08	0|0	Cs5g20670.1	3.94	0	0	2	MASCOT	T		
3.36E-03	0|0	Cs5g20670.1	3.94	0	0	2	MASCOT	T		
2.93E-01	0|0	Cs5g20670.1	8.22	0	0	2	MASCOT	T	PLEX8	
2.67E-01	0|0	Cs5g20670.1	8.22	0	0	2	MASCOT	T	PLEX8	
3.39E-01	0|0	Cs5g20670.1	8.22	0	0	2	MASCOT	T	PLEX8	
3.17E-03	0|0	Cs5g20670.1	11	0	0	2	MASCOT	T	PLEX8	
2.76E-02	0|0	Cs5g20670.1	11	0	0	2	MASCOT	T	PLEX8	
8.86E-02	0|0	Cs5g20670.1	11	0	0	2	MASCOT	T	PLEX8	
6.89E-03	0|0	Cs5g20670.1	11	0	0	2	MASCOT	T	PLEX8	
1.70E-01	0|0	Cs5g20670.1	11	0	0	2	MASCOT	T	PLEX8	
6.77E-03	0|0	Cs8g04260.1/Cs8g042	4.37	0	0	2	MASCOT	T	PLEX8	
4.89E-03	0|0	Cs8g04260.1/Cs8g042	4.37	0	0	2	MASCOT	T	PLEX8	
1.40E-02	0|0	Cs8g04260.1/Cs8g042	4.37	0	0	2	MASCOT	T	PLEX8	
1.59E-01	0|0	Cs8g04260.1/Cs8g042	4.37	0	0	2	MASCOT	T	PLEX8	
1.14E-02	0|0	Cs8g04260.1/Cs8g042	4.37	0	0	2	MASCOT	T	PLEX8	
7.70E-04	0|0	Cs8g04260.1/Cs8g042	4.03	0	0	2	MASCOT	T	PLEX8	
1.68E-04	0|0	Cs8g04260.1/Cs8g042	4.03	0	0	2	MASCOT	T	PLEX8	
1.77E-01	0|0	Cs8g04260.1/Cs8g042	4.03	0	0	2	MASCOT	T	PLEX8	
3.23E-01	0|0	Cs8g04260.1/Cs8g042	4.03	0	0	2	MASCOT	T		
6.50E-03	0|0	Cs8g04260.1/Cs8g042	8.75	0	0	2	MASCOT	T		
1.90E-02	0|0	Cs8g04260.1/Cs8g042	6.1	0	0	2	MASCOT	T	PLEX8	
9.83E-02	0|0	Cs8g04260.1/Cs8g042	6.1	0	0	2	MASCOT	T	PLEX8	
1.96E-04	0|0	Cs8g04260.1/Cs8g042	6.1	0	0	2	MASCOT	T	PLEX8	
1.36E-01	0|0	Cs8g04260.1/Cs8g042	8.75	0	0	2	MASCOT	T	PLEX8	
5.23E-02	0|0	Cs8g04260.1/Cs8g042	8.75	0	0	2	MASCOT	T	PLEX8	
2.26E-03	0|0	orange1.1t01419.1/ora	4.22	0	0	2	MASCOT	T	PLEX8	
1.25E-04	0|0	orange1.1t01419.1/ora	4.22	0	0	2	MASCOT	T	PLEX8	
1.06E-03	0|0	orange1.1t01419.1/ora	4.22	0	0	2	MASCOT	T	PLEX8	
9.75E-05	0|0	orange1.1t01419.1/ora	4.22	0	0	2	MASCOT	T	PLEX8	
5.47E-03	0|0	orange1.1t01416.1/ora	4.21	0	0	2	MASCOT	T	PLEX8	
1.34E-02	0|0	orange1.1t01416.1/ora	4.21	0	0	2	MASCOT	T	PLEX8	
3.88E-02	0|0	orange1.1t01416.1/ora	4.21	0	0	2	MASCOT	T		
2.89E-03	0|0	orange1.1t01419.1/ora	4.53	0	0	2	MASCOT	T	PLEX8	
4.72E-03	0|0	orange1.1t01426.1/ora	6.61	0	0	2	MASCOT	T	PLEX8	
3.13E-02	0|0	orange1.1t01426.1/ora	6.61	0	0	2	MASCOT	T	PLEX8	
2.84E-02	0|0	orange1.1t01426.1/ora	6.61	0	0	2	MASCOT	T	PLEX8	
1.24E-02	0|0	orange1.1t01426.1/ora	6.61	0	0	2	MASCOT	T	PLEX8	
2.15E-01	0|0	orange1.1t01416.1/ora	5.75	0	0	2	MASCOT	T	PLEX8	
1.90E-01	0|0	orange1.1t01416.1/ora	5.75	0	0	2	MASCOT	T	PLEX8	
7.07E-02	0|0	orange1.1t01416.1/ora	5.75	0	0	2	MASCOT	T	PLEX8	
1.22E-01	0|0	orange1.1t02665.1/ora	6.74	0	15.9	0	2	MASCOT	T	PLEX8

4.75E-02	0|0	orange1.1t02665.1/ora	6.74	0	15.9	0	2	MASCOT	T	PLEX8
1.93E-02	0|0	orange1.1t02665.1/ora	6.74	0		0	2	MASCOT	T	PLEX8
7.94E-03	0|0	orange1.1t02665.1/ora	6.74	0		0	2	MASCOT	T	PLEX8
1.57E-01	0|0	orange1.1t02665.1/ora	4.41	0		0	2	MASCOT	T	
8.55E-04	0|0	orange1.1t02665.1/ora	4.41	0		0	2	MASCOT	T	
6.77E-02	0|0	orange1.1t02665.1/ora	8.59	0		0	2	MASCOT	T	PLEX8
2.44E-02	0|0	orange1.1t02665.1/ora	8.59	0		0	2	MASCOT	T	PLEX8
2.06E-02	0|0	orange1.1t02665.1/ora	8.59	0		0	2	MASCOT	T	PLEX8
1.12E-03	0|0	orange1.1t02665.1/ora	4.75	0		0	2	MASCOT	T	PLEX8
1.03E-01	0|0	orange1.1t02665.1/ora	4.75	0		0	2	MASCOT	T	PLEX8
1.69E-02	0|0	orange1.1t02665.1/ora	4.75	0		0	2	MASCOT	T	PLEX8
1.19E-03	0|0	orange1.1t02665.1/ora	4.75	0		0	2	MASCOT	T	PLEX8
1.81E-01	0|0	orange1.1t02665.1/ora	4.75	0		0	2	MASCOT	T	PLEX8
8.81E-05	0|0	orange1.1t02665.1/ora	6	0	15.9	0	2	MASCOT	T	
2.43E-01	0|0	Cs1g25210.1/Cs2g221	8.64	0		0	2	MASCOT	T	PLEX8
4.18E-03	0|0	Cs1g25210.1	5.32	0		0	2	MASCOT	T	PLEX8
3.00E-05	0|0	Cs1g25210.1	5.32	0		0	2	MASCOT	T	PLEX8
7.08E-04	0|0	Cs1g25210.1	5.32	0		0	2	MASCOT	T	PLEX8
3.24E-03	0|0	Cs1g25210.1	5.32	0		0	2	MASCOT	T	
1.66E-01	0|0	Cs1g25210.1	5.32	0		0	2	MASCOT	T	
3.21E-05	0|0	Cs1g25210.1	4.41	0		0	2	MASCOT	T	PLEX8
2.70E-04	0|0	Cs1g25210.1	4.41	0		0	2	MASCOT	T	PLEX8
1.03E-04	0|0	Cs1g25210.1	4.41	0		0	2	MASCOT	T	PLEX8
9.57E-03	0|0	Cs1g25210.1/Cs2g221	8.75	0		0	2	MASCOT	T	PLEX8
8.25E-03	0|0	Cs1g25210.1/Cs2g221	8.75	0		0	2	MASCOT	T	PLEX8
3.69E-02	0|0	Cs1g25210.1/Cs2g221	5.26	0		0	2	MASCOT	T	PLEX8
8.27E-06	0|0	Cs1g25210.1/Cs2g221	5.26	0		0	2	MASCOT	T	PLEX8
6.62E-06	0|0	Cs1g25210.1/Cs2g221	5.26	0		0	2	MASCOT	T	PLEX8
6.25E-03	0|0	Cs3g14290.1	8.63	0		0	2	MASCOT	T	
4.70E-03	0|0	Cs3g14290.1	8.63	0		0	2	MASCOT	T	
3.23E-03	0|0	Cs3g14290.1	8.63	0		0	2	MASCOT	T	PLEX8
3.67E-02	0|0	Cs3g14290.1	4.37	0		0	2	MASCOT	T	PLEX8
2.79E-01	0|0	Cs3g14290.1	4.37	0		0	2	MASCOT	T	PLEX8
4.84E-02	0|0	Cs3g14290.1	4.37	0		0	2	MASCOT	T	PLEX8
8.23E-02	0|0	Cs3g14290.1	4.37	0		0	2	MASCOT	T	PLEX8
5.89E-02	0|0	Cs3g14290.1	4.37	0		0	2	MASCOT	T	PLEX8
3.73E-02	0|0	Cs3g14290.1	4.37	0		0	2	MASCOT	T	PLEX8
3.94E-02	0|0	Cs3g14290.1	5.4	0		0	2	MASCOT	T	PLEX8
2.40E-02	0|0	Cs3g14290.1	5.4	0		0	2	MASCOT	T	PLEX8
1.19E-02	0|0	Cs3g14290.1	3.91	0	15.9	0	2	MASCOT	T	
4.49E-03	0|0	Cs3g14290.1	3.91	0		0	2	MASCOT	T	
1.57E-02	0|0	Cs3g14290.1	5.95	0		0	2	MASCOT	T	
1.36E-02	0|0	Cs5g07190.1/Cs5g071	6.05	0		0	2	MASCOT	T	PLEX8
3.19E-03	0|0	Cs5g07190.1/Cs5g071	4.21	0		0	2	MASCOT	T	PLEX8
4.84E-03	0|0	Cs5g07190.1/Cs5g071	4.21	0		0	2	MASCOT	T	PLEX8
3.67E-02	0|0	Cs5g07190.1/Cs5g071	4.21	0		0	2	MASCOT	T	PLEX8
3.93E-01	0|0	Cs5g07190.1/Cs5g071	6.74	0		0	2	MASCOT	T	PLEX8
3.52E-01	0|0	Cs5g07190.1/Cs5g071	8.59	0		0	2	MASCOT	T	PLEX8
1.91E-01	0|0	Cs5g07190.1/Cs5g071	8.59	0		0	2	MASCOT	T	PLEX8
1.43E-01	0|0	Cs5g07190.1/Cs5g071	8.59	0		0	2	MASCOT	T	PLEX8
3.77E-01	0|0	Cs5g07190.1/Cs5g071	8.59	0		0	2	MASCOT	T	PLEX8

1.02E-03	0|0	Cs5g07190.1/Cs5g071	8.22	0	0	2	MASCOT	T	PLEX8	
6.88E-02	0|0	Cs5g07190.1/Cs5g071	8.22	0	0	2	MASCOT	T	PLEX8	
3.76E-02	0|0	Cs5g07190.1/Cs5g071	8.22	0	0	2	MASCOT	T	PLEX8	
2.38E-03	0|0	Cs5g07190.1/Cs5g071	8.22	0	0	2	MASCOT	T	PLEX8	
3.48E-02	0|0	Cs5g07190.1/Cs5g071	8.22	0	0	2	MASCOT	T	PLEX8	
1.02E-01	0|0	Cs6g14710.1/Cs6g147	5.32	0	0	2	MASCOT	T	PLEX8	
8.89E-05	0|0	Cs6g14710.1/Cs6g147	9.72	0	0	2	MASCOT	T	PLEX8	
5.08E-05	0|0	Cs6g14710.1/Cs6g147	9.72	0	0	2	MASCOT	T	PLEX8	
4.16E-09	0|0	Cs6g14710.1/Cs6g147	9.72	0	0	2	MASCOT	T	PLEX8	
4.61E-02	0|0	Cs6g14710.1/Cs6g147	6	0	0	2	MASCOT	T	PLEX8	
1.59E-03	0|0	Cs6g14710.1/Cs6g147	6	0	0	2	MASCOT	T	PLEX8	
2.15E-02	0|0	Cs6g14710.1/Cs6g147	6	0	0	2	MASCOT	T	PLEX8	
1.43E-04	0|0	Cs6g14710.1/Cs6g147	6	0	15.9	0	2	MASCOT	T	PLEX8
6.36E-06	0|0	Cs6g14710.1/Cs6g147	6	0	0	2	MASCOT	T	PLEX8	
1.16E-04	0|0	Cs6g14710.1/Cs6g147	6	0	0	2	MASCOT	T	PLEX8	
2.52E-04	0|0	Cs6g14710.1/Cs6g147	6	0	0	2	MASCOT	T	PLEX8	
5.39E-06	0|0	Cs6g14710.1/Cs6g147	6	0	0	2	MASCOT	T	PLEX8	
2.18E-02	0|0	Cs6g14710.1/Cs6g147	6	0	0	2	MASCOT	T	PLEX8	
2.90E-02	0|0	Cs6g14710.1/Cs6g147	6	0	0	2	MASCOT	T	PLEX8	
2.66E-02	0|0	Cs6g17430.1/Cs7g140	4.37	0	0	2	MASCOT	T	PLEX8	
2.82E-04	0|0	Cs6g17430.1/Cs7g140	4.37	0	0	2	MASCOT	T	PLEX8	
2.92E-03	0|0	Cs7g14020.1/Cs7g140	6.74	0	0	2	MASCOT	T	PLEX8	
7.60E-02	0|0	Cs7g14020.1/Cs7g140	6.74	0	0	2	MASCOT	T	PLEX8	
7.36E-02	0|0	Cs7g14020.1/Cs7g140	6.74	0	0	2	MASCOT	T	PLEX8	
2.85E-02	0|0	Cs7g14020.1/Cs7g140	6.74	0	0	2	MASCOT	T	PLEX8	
3.68E-03	0|0	Cs7g14020.1/Cs7g140	5.32	0	0	2	MASCOT	T	PLEX8	
1.61E-02	0|0	Cs7g14020.1/Cs7g140	5.32	0	0	2	MASCOT	T	PLEX8	
5.12E-04	0|0	Cs7g14020.1/Cs7g140	5.33	0	0	2	MASCOT	T	PLEX8	
4.43E-02	0|0	Cs7g14020.1/Cs7g140	5.33	0	0	2	MASCOT	T	PLEX8	
3.12E-02	0|0	Cs7g14020.1/Cs7g140	5.33	0	0	2	MASCOT	T	PLEX8	
2.72E-03	0|0	Cs7g14020.1/Cs7g140	5.33	0	0	2	MASCOT	T	PLEX8	
3.52E-01	0|0	Cs7g14020.1/Cs7g140	5.5	0	0	2	MASCOT	T	PLEX8	
2.55E-02	0|0	Cs7g14020.1/Cs7g140	5.5	0	0	2	MASCOT	T	PLEX8	
2.23E-02	0|0	Cs7g11140.1/Cs7g111	9.76	0	0	2	MASCOT	T	PLEX8	
1.04E-01	0|0	Cs7g11140.1/Cs7g111	9.76	0	0	2	MASCOT	T	PLEX8	
5.07E-02	0|0	Cs7g11140.1/Cs7g111	9.76	0	0	2	MASCOT	T	PLEX8	
3.20E-02	0|0	Cs5g30600.1/Cs5g306	8.76	0	0	2	MASCOT	T	PLEX8	
7.28E-02	0|0	Cs5g30600.1/Cs5g306	8.76	0	0	2	MASCOT	T	PLEX8	
1.40E-02	0|0	Cs1g16250.1/Cs1g162	5.66	0	0	2	MASCOT	T	PLEX8	
2.39E-02	0|0	Cs1g16250.1/Cs1g162	5.66	0	0	2	MASCOT	T	PLEX8	
6.56E-02	0|0	Cs8g12840.1	5.81	0	0	2	MASCOT	T	PLEX8	
1.57E-01	0|0	Cs5g30600.1/Cs5g306	6.04	0	0	2	MASCOT	T	PLEX8	
1.70E-01	0|0	Cs5g30600.1/Cs5g306	6.04	0	0	2	MASCOT	T	PLEX8	
1.53E-01	0|0	Cs5g30600.1/Cs5g306	6.04	0	0	2	MASCOT	T	PLEX8	
1.48E-01	0|0	Cs5g30600.1/Cs5g306	6.04	0	0	2	MASCOT	T	PLEX8	
8.13E-02	0|0	Cs5g30600.1/Cs5g306	6.04	0	0	2	MASCOT	T	PLEX8	
1.75E-01	0|0	Cs5g30600.1/Cs5g306	6.04	0	0	2	MASCOT	T	PLEX8	
3.14E-02	0|0	Cs2g11210.1/Cs2g112	4.37	0	0	2	MASCOT	T	PLEX8	
2.21E-03	0|0	Cs2g11210.1/Cs2g112	4.37	0	0	2	MASCOT	T	PLEX8	
1.11E-07	0|0	Cs2g11210.1/Cs2g112	4.37	0	0	2	MASCOT	T	PLEX8	
7.87E-07	0|0	Cs2g11210.1/Cs2g112	4.37	0	0	2	MASCOT	T	PLEX8	

5.30E-02	0|0	Cs2g11210.1/Cs2g112	4	0	0	2	MASCOT	T	PLEX8	
9.70E-04	0|0	Cs2g11210.1/Cs2g112	4	0	0	2	MASCOT	T	PLEX8	
2.06E-01	0|0	Cs2g11210.1/Cs2g112	5.84	0	0	2	MASCOT	T	PLEX8	
1.15E-02	0|0	Cs2g11210.1/Cs2g112	6.74	0	0	2	MASCOT	T	PLEX8	
6.74E-02	0|0	Cs2g11210.1/Cs2g112	6.74	0	0	2	MASCOT	T		
3.11E-03	0|0	Cs2g11210.1/Cs2g112	6.74	0	0	2	MASCOT	T		
2.07E-01	0|0	Cs2g11210.1/Cs2g112	6.91	0	0	2	MASCOT	T	PLEX8	
1.43E-01	0|0	Cs2g11210.1/Cs2g112	6.91	0	0	2	MASCOT	T	PLEX8	
7.11E-03	0|0	Cs2g11210.1/Cs2g112	6.91	0	0	2	MASCOT	T	PLEX8	
1.75E-03	0|0	Cs6g14700.1	4.87	1	0	2	MASCOT	T	PLEX8	
6.86E-04	0|0	Cs6g14700.1	8.8	0	15.9	0	2	MASCOT	T	PLEX8
1.88E-08	0|0	Cs6g14700.1	8.8	0	0	2	MASCOT	T	PLEX8	
1.83E-04	0|0	Cs6g14700.1/Cs6g147	6.05	0	0	2	MASCOT	T	PLEX8	
7.80E-02	0|0	Cs6g14700.1/Cs6g147	6.05	0	0	2	MASCOT	T	PLEX8	
2.41E-01	0|0	Cs6g14700.1/Cs6g147	6.05	0	0	2	MASCOT	T	PLEX8	
6.74E-02	0|0	Cs6g14700.1/Cs6g147	6.05	0	0	2	MASCOT	T		
1.42E-01	0|0	Cs6g14700.1/Cs6g147	3.93	0	0	2	MASCOT	T		
1.44E-01	0|0	Cs6g14700.1/Cs6g147	3.93	0	0	2	MASCOT	T	PLEX8	
4.11E-03	0|0	Cs6g14700.1/Cs6g147	3.93	0	0	2	MASCOT	T		
2.20E-04	0|0	Cs6g14700.1/Cs6g147	3.93	0	0	2	MASCOT	T		
3.38E-04	0|0	Cs6g14700.1	4.41	0	0	2	MASCOT	T	PLEX8	
1.83E-04	0|0	Cs6g14700.1	4.41	0	0	2	MASCOT	T	PLEX8	
7.17E-04	0|0	Cs7g29380.1/Cs7g293	4	0	0	2	MASCOT	T	PLEX8	
2.34E-04	0|0	Cs7g29380.1/Cs7g293	4	0	0	2	MASCOT	T	PLEX8	
1.67E-02	0|0	Cs7g29380.1/Cs7g293	4	0	0	2	MASCOT	T		
9.67E-02	0|0	Cs7g29380.1/Cs7g293	5.32	0	0	2	MASCOT	T	PLEX8	
7.95E-03	0|0	Cs7g29380.1/Cs7g293	8.5	0	0	2	MASCOT	T	PLEX8	
1.90E-02	0|0	Cs7g29380.1/Cs7g293	8.5	0	0	2	MASCOT	T	PLEX8	
4.77E-02	0|0	Cs7g29380.1/Cs7g293	8.5	0	0	2	MASCOT	T		
5.98E-04	0|0	Cs7g29380.1/Cs7g293	6	0	0	2	MASCOT	T	PLEX8	
1.26E-02	0|0	Cs7g29380.1/Cs7g293	5.81	0	0	2	MASCOT	T	PLEX8	
6.68E-02	0|0	Cs7g29380.1/Cs7g293	5.81	0	0	2	MASCOT	T	PLEX8	
1.16E-01	0|0	Cs7g29380.1/Cs7g293	5.81	0	0	2	MASCOT	T	PLEX8	
1.61E-01	0|0	Cs7g29380.1/Cs7g293	5.81	0	0	2	MASCOT	T	PLEX8	
5.13E-03	0|0	Cs7g29380.1/Cs7g293	5.81	0	0	2	MASCOT	T		
1.42E-01	0|0	Cs5g01620.1	5.32	0	15.9	0	2	MASCOT	T	PLEX8
1.79E-02	0|0	Cs5g01620.1	5.32	0	15.9	0	2	MASCOT	T	PLEX8
9.19E-02	0|0	Cs5g01620.1	5.32	0	15.9	0	2	MASCOT	T	PLEX8
3.42E-01	0|0	Cs5g01620.1	5.32	0	15.9	0	2	MASCOT	T	
1.33E-02	0|0	Cs5g01620.1	5.32	0	0	2	MASCOT	T		
1.60E-02	0|0	Cs5g01620.1	9.76	0	0	2	MASCOT	T	PLEX8	
9.64E-04	0|0	Cs5g01620.1	6.74	0	15.9	0	2	MASCOT	T	PLEX8
2.48E-01	0|0	Cs5g01620.1	5.99	0	0	2	MASCOT	T	PLEX8	
1.43E-03	0|0	Cs5g01620.1	5.99	0	0	2	MASCOT	T	PLEX8	
2.38E-02	0|0	Cs5g01620.1	4.37	0	0	2	MASCOT	T	PLEX8	
3.07E-03	0|0	Cs5g01620.1	4.37	0	0	2	MASCOT	T	PLEX8	
3.96E-02	0|0	Cs5g01620.1	4.37	0	0	2	MASCOT	T	PLEX8	
3.58E-03	0|0	Cs5g15660.1/Cs5g209	4.21	0	0	2	MASCOT	T	PLEX8	
2.88E-02	0|0	Cs5g15660.1/Cs5g209	4.21	0	0	2	MASCOT	T	PLEX8	
6.70E-04	0|0	Cs5g20910.1/Cs5g210	5.59	0	15.9	0	2	MASCOT	T	
2.17E-05	0|0	Cs5g20910.1/Cs5g210	5.59	0	15.9	0	2	MASCOT	T	

2.48E-02	0|0	Cs5g20910.1/Cs5g210	5.59	0	15.9	0	2	MASCOT	T
4.70E-02	0|0	Cs5g20910.1/Cs5g210	5.59	0	15.9	0	2	MASCOT	T
3.52E-01	0|0	Cs5g20910.1	8.75	0		0	2	MASCOT	T PLEX8
1.06E-02	0|0	Cs5g20910.1	4.53	0		0	2	MASCOT	T PLEX8
1.27E-02	0|0	Cs5g20910.1	4.53	0		0	2	MASCOT	T PLEX8
3.83E-01	0|0	Cs5g20910.1	4.53	0		0	2	MASCOT	T PLEX8
4.01E-02	0|0	Cs5g20910.1	5.32	0		0	2	MASCOT	T PLEX8
3.14E-01	0|0	Cs5g20910.1	5.32	0		0	2	MASCOT	T PLEX8
2.26E-01	0|0	Cs6g05710.1/Cs6g057	6	0		0	2	MASCOT	T PLEX8
5.48E-03	0|0	Cs6g05710.1/Cs6g057	4.37	0		0	2	MASCOT	T PLEX8
2.09E-01	0|0	Cs7g21860.1/orange1.	5.84	0		0	2	MASCOT	T PLEX8
2.33E-03	0|0	Cs7g21860.1/orange1.	5.84	0		0	2	MASCOT	T PLEX8
3.35E-03	0|0	Cs7g21860.1/orange1.	5.84	0		0	2	MASCOT	T PLEX8
3.73E-02	0|0	Cs7g21860.1/orange1.	5.84	0		0	2	MASCOT	T PLEX8
8.18E-02	0|0	Cs7g21860.1/orange1.	5.84	0		0	2	MASCOT	T
3.25E-09	0|0	Cs6g05710.1/Cs6g057	5.84	0		0	2	MASCOT	T
8.50E-03	0|0	Cs6g05710.1/Cs6g057	4.21	0		0	2	MASCOT	T PLEX8
3.21E-02	0|0	Cs6g05710.1/Cs6g057	4.21	0		0	2	MASCOT	T PLEX8
2.13E-01	0|0	Cs6g05710.1/Cs6g057	4.21	0		0	2	MASCOT	T PLEX8
6.55E-02	0|0	Cs6g05710.1/Cs6g057	4.21	0		0	2	MASCOT	T PLEX8
1.87E-02	0|0	Cs6g20820.1/Cs6g208	4.25	0		0	2	MASCOT	T PLEX8
4.14E-02	0|0	Cs6g20820.1/Cs6g208	4.37	0		0	2	MASCOT	T PLEX8
7.33E-02	0|0	Cs6g20820.1/Cs6g208	4.37	0		0	2	MASCOT	T PLEX8
1.64E-01	0|0	Cs6g20820.1/Cs6g208	4.37	0		0	2	MASCOT	T PLEX8
6.29E-02	0|0	Cs6g20820.1/Cs6g208	4.37	0		0	2	MASCOT	T
1.50E-02	0|0	Cs6g20820.1/Cs6g208	4.37	0		0	2	MASCOT	T
6.06E-02	0|0	Cs6g20820.1/Cs6g208	4.37	0		0	2	MASCOT	T PLEX8
1.70E-01	0|0	Cs6g20820.1/Cs6g208	4.37	0		0	2	MASCOT	T
3.33E-04	0|0	Cs6g20820.1/Cs6g208	4.37	0		0	2	MASCOT	T PLEX8
1.75E-02	0|0	Cs6g20820.1/Cs6g208	4.37	0		0	2	MASCOT	T PLEX8
1.44E-01	0|0	Cs6g20820.1/Cs6g208	8.5	0		0	2	MASCOT	T PLEX8
1.57E-02	0|0	Cs6g20820.1	5.08	0		0	2	MASCOT	T
2.26E-01	0|0	Cs6g05710.1/Cs6g057	6	0		0	2	MASCOT	T PLEX8
5.48E-03	0|0	Cs6g05710.1/Cs6g057	4.37	0		0	2	MASCOT	T PLEX8
2.09E-01	0|0	Cs7g21860.1/orange1.	5.84	0		0	2	MASCOT	T PLEX8
2.33E-03	0|0	Cs7g21860.1/orange1.	5.84	0		0	2	MASCOT	T PLEX8
3.35E-03	0|0	Cs7g21860.1/orange1.	5.84	0		0	2	MASCOT	T PLEX8
3.73E-02	0|0	Cs7g21860.1/orange1.	5.84	0		0	2	MASCOT	T PLEX8
8.18E-02	0|0	Cs7g21860.1/orange1.	5.84	0		0	2	MASCOT	T
2.67E-03	0|0	Cs7g28780.1	4.53	0		0	2	MASCOT	T
8.50E-03	0|0	Cs6g05710.1/Cs6g057	4.21	0		0	2	MASCOT	T PLEX8
3.21E-02	0|0	Cs6g05710.1/Cs6g057	4.21	0		0	2	MASCOT	T PLEX8
2.13E-01	0|0	Cs6g05710.1/Cs6g057	4.21	0		0	2	MASCOT	T PLEX8
6.55E-02	0|0	Cs6g05710.1/Cs6g057	4.21	0		0	2	MASCOT	T PLEX8
3.73E-02	0|0	Cs8g10110.1/Cs8g101	6	0		0	2	MASCOT	T PLEX8
3.12E-02	0|0	Cs8g10110.1/Cs8g101	6	0		0	2	MASCOT	T PLEX8
8.85E-03	0|0	Cs8g07290.1/Cs8g072	5.3	1		0	2	MASCOT	T PLEX8
5.18E-03	0|0	Cs8g07290.1/Cs8g072	6	0		0	2	MASCOT	T
2.32E-01	0|0	Cs8g07290.1/Cs8g072	6	0		0	2	MASCOT	T PLEX8
1.11E-01	0|0	Cs8g07290.1/Cs8g072	6.04	0		0	2	MASCOT	T PLEX8
2.33E-01	0|0	Cs8g07290.1/Cs8g072	6.04	0		0	2	MASCOT	T PLEX8

9.30E-02	0|0	Cs8g07290.1/Cs8g072	6.04	0	0	2	MASCOT	T	PLEX8
1.62E-02	0|0	Cs8g10020.1 ! Cs8g10	4.53	0	0	2	MASCOT	T	
6.60E-02	0|0	Cs8g10020.1 ! Cs8g10	4.53	0	0	2	MASCOT	T	PLEX8
1.30E-01	0|0	Cs8g10020.1 ! Cs8g10	4.53	0	0	2	MASCOT	T	PLEX8
2.27E-02	0|0	Cs8g10020.1 ! Cs8g10	4.53	0	0	2	MASCOT	T	PLEX8
1.60E-01	0|0	Cs5g30590.1/Cs9g078	4.09	0	0	2	MASCOT	T	PLEX8
5.82E-02	0|0	Cs5g30590.1/Cs9g078	4.09	0	0	2	MASCOT	T	PLEX8
3.20E-04	0|0	Cs5g30590.1/Cs9g078	6.74	0	0	2	MASCOT	T	PLEX8
6.72E-05	0|0	Cs5g30590.1/Cs9g078	6.74	0	0	2	MASCOT	T	PLEX8
3.52E-05	0|0	Cs5g30590.1/Cs9g078	6.74	0	0	2	MASCOT	T	PLEX8
5.19E-02	0|0	Cs5g30590.1/Cs9g078	6.74	0	0	2	MASCOT	T	PLEX8
2.19E-05	0|0	Cs5g30590.1/Cs9g078	6.74	0	0	2	MASCOT	T	PLEX8
6.47E-03	0|0	Cs5g30590.1/Cs9g078	6.74	0	0	2	MASCOT	T	
1.91E-01	0|0	Cs5g30590.1/Cs9g078	8.76	0	0	2	MASCOT	T	PLEX8
7.82E-03	0|0	Cs9g07820.1	5.81	0	0	2	MASCOT	T	
1.56E-06	0|0	Cs9g07820.1	5.81	0	0	2	MASCOT	T	
3.36E-02	0|0	Cs5g30590.1/Cs9g078	4.37	0	0	2	MASCOT	T	PLEX8
7.51E-02	0|0	orange1.1t00601.1/ora	8.75	0	0	2	MASCOT	T	PLEX8
3.68E-01	0|0	orange1.1t00601.1/ora	8.75	0	0	2	MASCOT	T	PLEX8
3.08E-03	0|0	orange1.1t00601.1/ora	5.84	0	0	2	MASCOT	T	PLEX8
1.87E-03	0|0	orange1.1t00601.1/ora	4.4	0	0	2	MASCOT	T	PLEX8
2.45E-02	0|0	orange1.1t00601.1/ora	4.4	0	0	2	MASCOT	T	PLEX8
2.06E-02	0|0	orange1.1t00601.1/ora	4.4	0	0	2	MASCOT	T	PLEX8
1.90E-01	0|0	orange1.1t00601.1/ora	4.4	0	0	2	MASCOT	T	
2.16E-01	0|0	orange1.1t00601.1/ora	4.4	0	0	2	MASCOT	T	
4.87E-02	0|0	Cs6g10920.1/Cs6g109	6	0	0	2	MASCOT	T	PLEX8
1.21E-01	0|0	orange1.1t00601.1/ora	5.72	0	0	2	MASCOT	T	PLEX8
1.54E-01	0|0	orange1.1t00601.1/ora	5.72	0	0	2	MASCOT	T	PLEX8
1.29E-01	0|0	orange1.1t00601.1/ora	5.72	0	0	2	MASCOT	T	PLEX8
3.33E-02	0|0	Cs1g24740.1/Cs1g247	4.53	0	0	2	MASCOT	T	PLEX8
8.97E-03	0|0	Cs1g24740.1/Cs1g247	6.74	0	0	2	MASCOT	T	
1.03E-02	0|0	Cs1g24740.1/Cs1g247	8.75	0	0	2	MASCOT	T	PLEX8
5.37E-02	0|0	Cs1g24740.1/Cs1g247	8.75	0	0	2	MASCOT	T	PLEX8
1.99E-02	0|0	Cs1g24740.1/Cs1g247	8.75	0	0	2	MASCOT	T	PLEX8
1.23E-01	0|0	Cs1g24740.1/Cs1g247	4.03	0	0	2	MASCOT	T	PLEX8
1.81E-01	0|0	Cs1g24740.1/Cs1g247	4.03	0	0	2	MASCOT	T	PLEX8
3.44E-01	0|0	Cs1g24740.1/Cs1g247	4.03	0	0	2	MASCOT	T	PLEX8
5.87E-02	0|0	Cs1g24740.1/Cs1g247	4.03	0	0	2	MASCOT	T	PLEX8
5.90E-01	0|0	Cs1g24740.1/Cs1g247	4.03	0	0	2	MASCOT	T	PLEX8
1.01E-01	0|0	Cs1g24740.1/Cs1g247	6	0	0	2	MASCOT	T	PLEX8
3.54E-03	0|0	Cs2g05050.1/Cs2g050	9.8	0	0	2	MASCOT	T	PLEX8
5.68E-03	0|0	Cs2g05050.1/Cs2g050	9.8	0	0	2	MASCOT	T	
1.56E-01	0|0	Cs2g05050.1/Cs2g050	5.84	0	0	2	MASCOT	T	
4.87E-02	0|0	Cs2g05050.1/Cs2g050	8.59	0	0	2	MASCOT	T	PLEX8
6.39E-02	0|0	Cs2g05050.1/Cs2g050	8.59	0	0	2	MASCOT	T	PLEX8
5.16E-02	0|0	Cs2g05050.1/Cs2g050	8.72	0	0	2	MASCOT	T	PLEX8
1.62E-02	0|0	Cs2g05050.1/Cs2g050	8.72	0	0	2	MASCOT	T	PLEX8
2.04E-01	0|0	Cs2g05050.1/Cs2g050	8.72	0	0	2	MASCOT	T	PLEX8
2.84E-03	0|0	Cs2g05050.1/Cs6g088	9.72	0	0	2	MASCOT	T	PLEX8
1.08E-01	0|0	Cs2g05050.1/Cs6g088	9.72	0	0	2	MASCOT	T	PLEX8
1.92E-02	0|0	Cs2g05050.1/Cs6g088	9.72	0	0	2	MASCOT	T	PLEX8

9.61E-02	0|0	Cs2g14330.1/Cs2g143	6.74	0	0	2	MASCOT	T	PLEX8	
3.72E-02	0|0	Cs2g14330.1/Cs2g143	6.74	0	0	2	MASCOT	T	PLEX8	
2.28E-01	0|0	Cs2g14330.1/Cs2g143	5.32	0	0	2	MASCOT	T	PLEX8	
4.66E-02	0|0	Cs2g14330.1/Cs2g143	5.32	0	0	2	MASCOT	T	PLEX8	
1.50E-03	0|0	Cs2g14330.1/Cs2g143	6.47	0	0	2	MASCOT	T	PLEX8	
1.11E-01	0|0	Cs2g14330.1/Cs2g143	6.47	0	0	2	MASCOT	T		
8.52E-03	0|0	Cs2g14330.1/Cs2g143	4	0	0	2	MASCOT	T	PLEX8	
4.14E-04	0|0	Cs2g14330.1/Cs2g143	4	0	0	2	MASCOT	T		
3.51E-05	0|0	Cs2g14330.1/Cs2g143	4	0	0	2	MASCOT	T		
9.88E-02	0|0	Cs2g14330.1/Cs2g143	5.32	0	0	2	MASCOT	T	PLEX8	
1.65E-01	0|0	Cs2g14330.1/Cs2g143	5.32	0	0	2	MASCOT	T	PLEX8	
5.86E-02	0|0	Cs2g29530.1	4.37	0	0	2	MASCOT	T	PLEX8	
2.15E-01	0|0	Cs2g29530.1	6.5	0	15.9	0	2	MASCOT	T	PLEX8
1.77E-01	0|0	Cs2g29530.1	6.5	0	0	2	MASCOT	T	PLEX8	
2.89E-01	0|0	Cs2g29530.1	6.5	0	0	2	MASCOT	T	PLEX8	
1.69E-01	0|0	Cs2g29530.1	6.5	0	0	2	MASCOT	T	PLEX8	
1.71E-02	0|0	Cs2g29530.1	4.65	0	0	2	MASCOT	T		
2.03E-01	0|0	Cs2g29530.1	6.85	0	0	2	MASCOT	T	PLEX8	
1.15E-04	0|0	Cs2g29530.1	6.85	0	0	2	MASCOT	T	PLEX8	
6.26E-03	0|0	Cs2g29530.1	4.31	0	0	2	MASCOT	T	PLEX8	
1.28E-04	0|0	Cs2g29530.1	4.31	0	0	2	MASCOT	T	PLEX8	
9.52E-03	0|0	Cs2g29530.1	4.31	0	0	2	MASCOT	T	PLEX8	
2.33E-04	0|0	Cs3g21480.1	4.21	0	0	2	MASCOT	T	PLEX8	
7.25E-05	0|0	Cs3g21480.1	4.21	0	0	2	MASCOT	T	PLEX8	
3.33E-03	0|0	Cs3g21480.1	5.84	0	0	2	MASCOT	T	PLEX8	
8.53E-02	0|0	Cs3g21480.1	5.84	0	0	2	MASCOT	T	PLEX8	
4.19E-01	0|0	Cs3g21480.1	6	0	0	2	MASCOT	T	PLEX8	
1.68E-01	0|0	Cs3g21480.1	6	0	0	2	MASCOT	T	PLEX8	
1.42E-01	0|0	Cs3g21480.1	6	0	0	2	MASCOT	T	PLEX8	
1.43E-02	0|0	Cs3g21480.1	6	0	0	2	MASCOT	T	PLEX8	
2.16E-01	0|0	Cs3g21480.1	6	0	0	2	MASCOT	T	PLEX8	
5.99E-02	0|0	Cs3g21480.1	6	0	0	2	MASCOT	T	PLEX8	
9.66E-02	0|0	Cs3g21480.1	6	0	0	2	MASCOT	T	PLEX8	
5.48E-02	0|0	Cs4g06850.1/Cs4g068	6.83	0	0	2	MASCOT	T	PLEX8	
3.33E-02	0|0	Cs4g06850.1/Cs4g068	6.74	0	0	2	MASCOT	T	PLEX8	
4.08E-02	0|0	Cs4g06850.1/Cs4g068	6.74	0	0	2	MASCOT	T	PLEX8	
1.13E-02	0|0	Cs4g06850.1/Cs4g068	9.76	0	0	2	MASCOT	T	PLEX8	
1.76E-06	0|0	Cs4g06850.1/Cs4g068	9.76	0	0	2	MASCOT	T	PLEX8	
3.52E-02	0|0	Cs4g06850.1/Cs4g068	5.32	0	0	2	MASCOT	T	PLEX8	
4.88E-02	0|0	Cs4g06850.1/Cs4g068	5.32	0	0	2	MASCOT	T	PLEX8	
5.29E-04	0|0	Cs4g06850.1/Cs4g068	5.21	0	0	2	MASCOT	T	PLEX8	
1.56E-03	0|0	Cs4g06850.1/Cs4g068	5.21	0	0	2	MASCOT	T	PLEX8	
7.32E-03	0|0	Cs4g06850.1/Cs4g068	5.21	0	0	2	MASCOT	T	PLEX8	
4.64E-01	0|0	Cs4g06850.1/Cs4g068	5.21	0	0	2	MASCOT	T	PLEX8	
1.09E-04	0|0	Cs4g11860.1	4.53	0	0	2	MASCOT	T	PLEX8	
2.08E-03	0|0	Cs4g11860.1	4.53	0	0	2	MASCOT	T	PLEX8	
2.89E-03	0|0	Cs4g11860.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.31E-03	0|0	Cs2g07170.1/Cs2g071	5.84	0	0	2	MASCOT	T		
1.17E-04	0|0	Cs2g07170.1/Cs2g071	5.84	0	0	2	MASCOT	T		
5.16E-02	0|0	Cs2g07170.1/Cs2g071	5.84	0	0	2	MASCOT	T		
1.33E-02	0|0	Cs4g11860.1/Cs4g118	8.76	0	0	2	MASCOT	T	PLEX8	

1.13E-02	0|0	Cs4g11860.1/Cs4g118	8.76	0	0	2	MASCOT	T	
2.10E-02	0|0	Cs4g11860.1/Cs4g118	8.76	0	0	2	MASCOT	T	
3.91E-02	0|0	Cs2g07170.1/Cs2g071	8.75	0	0	2	MASCOT	T	PLEX8
1.33E-02	0|0	Cs4g11860.1/Cs4g118	4.75	0	0	2	MASCOT	T	PLEX8
3.51E-01	0|0	Cs1g03890.1 ! Cs4g15	5.88	0	0	2	MASCOT	T	PLEX8
1.96E-03	0|0	Cs1g03890.1 ! Cs4g15	5.88	0	0	2	MASCOT	T	PLEX8
1.88E-02	0|0	Cs1g03890.1 ! Cs4g15	5.88	0	0	2	MASCOT	T	PLEX8
1.56E-03	0|0	Cs4g15940.1/Cs4g159	4.25	0	0	2	MASCOT	T	PLEX8
1.14E-02	0|0	Cs4g15940.1/Cs4g159	4.14	0	0	2	MASCOT	T	PLEX8
4.56E-04	0|0	Cs4g15940.1/Cs4g159	5.81	0	0	2	MASCOT	T	PLEX8
6.32E-03	0|0	Cs4g15940.1/Cs4g159	5.81	0	0	2	MASCOT	T	PLEX8
2.33E-02	0|0	Cs4g15940.1/Cs4g159	5.81	0	0	2	MASCOT	T	PLEX8
8.73E-03	0|0	Cs1g03890.1 ! Cs3g22	6	0	0	2	MASCOT	T	PLEX8
3.44E-02	0|0	Cs1g03890.1 ! Cs3g22	6	0	0	2	MASCOT	T	PLEX8
1.23E-01	0|0	Cs1g03890.1 ! Cs3g22	6	0	0	2	MASCOT	T	PLEX8
3.58E-03	0|0	Cs5g15660.1/Cs5g209	4.21	0	0	2	MASCOT	T	PLEX8
2.88E-02	0|0	Cs5g15660.1/Cs5g209	4.21	0	0	2	MASCOT	T	PLEX8
8.63E-02	0|0	Cs5g21000.1	8.2	0	0	2	MASCOT	T	PLEX8
7.07E-03	0|0	Cs5g21000.1	8.2	0	0	2	MASCOT	T	PLEX8
6.70E-04	0|0	Cs5g20910.1/Cs5g210	5.59	0	15.9	0	2	MASCOT	T
2.17E-05	0|0	Cs5g20910.1/Cs5g210	5.59	0	15.9	0	2	MASCOT	T
2.48E-02	0|0	Cs5g20910.1/Cs5g210	5.59	0	15.9	0	2	MASCOT	T
4.70E-02	0|0	Cs5g20910.1/Cs5g210	5.59	0	15.9	0	2	MASCOT	T
4.04E-01	0|0	Cs5g21000.1	6.71	0	0	2	MASCOT	T	PLEX8
6.04E-05	0|0	Cs5g21000.1	8.56	0	0	2	MASCOT	T	PLEX8
2.11E-05	0|0	Cs5g21000.1	8.56	0	0	2	MASCOT	T	PLEX8
1.60E-01	0|0	Cs5g30590.1/Cs9g078	4.09	0	0	2	MASCOT	T	PLEX8
5.82E-02	0|0	Cs5g30590.1/Cs9g078	4.09	0	0	2	MASCOT	T	PLEX8
2.64E-03	0|0	Cs5g30590.1	3.66	0	0	2	MASCOT	T	
3.20E-04	0|0	Cs5g30590.1/Cs9g078	6.74	0	0	2	MASCOT	T	PLEX8
6.72E-05	0|0	Cs5g30590.1/Cs9g078	6.74	0	0	2	MASCOT	T	PLEX8
3.52E-05	0|0	Cs5g30590.1/Cs9g078	6.74	0	0	2	MASCOT	T	PLEX8
5.19E-02	0|0	Cs5g30590.1/Cs9g078	6.74	0	0	2	MASCOT	T	PLEX8
2.19E-05	0|0	Cs5g30590.1/Cs9g078	6.74	0	0	2	MASCOT	T	PLEX8
6.47E-03	0|0	Cs5g30590.1/Cs9g078	6.74	0	0	2	MASCOT	T	
1.91E-01	0|0	Cs5g30590.1/Cs9g078	8.76	0	0	2	MASCOT	T	PLEX8
3.36E-02	0|0	Cs5g30590.1/Cs9g078	4.37	0	0	2	MASCOT	T	PLEX8
7.04E-04	0|0	Cs6g20130.1/Cs6g201	5.82	0	0	2	MASCOT	T	
1.12E-03	0|0	Cs6g20130.1/Cs6g201	5.82	0	0	2	MASCOT	T	
1.84E-01	0|0	Cs6g20130.1/Cs6g201	6.74	0	0	2	MASCOT	T	
3.24E-01	0|0	Cs6g20130.1/Cs6g201	6.74	0	0	2	MASCOT	T	
3.14E-02	0|0	Cs6g20130.1/Cs6g201	8.47	0	0	2	MASCOT	T	PLEX8
1.28E-01	0|0	Cs6g20130.1/Cs6g201	8.47	0	0	2	MASCOT	T	PLEX8
1.13E-01	0|0	Cs6g20130.1/Cs6g201	8.47	0	0	2	MASCOT	T	PLEX8
4.11E-02	0|0	Cs6g20130.1/Cs6g201	5.95	1	0	2	MASCOT	T	PLEX8
4.67E-02	0|0	Cs6g20130.1/Cs6g201	4.21	0	0	2	MASCOT	T	PLEX8
1.64E-01	0|0	Cs6g20130.1/Cs6g201	4.21	0	0	2	MASCOT	T	PLEX8
1.01E-01	0|0	Cs6g20130.1/Cs6g201	4.21	0	0	2	MASCOT	T	PLEX8
2.90E-01	0|0	Cs7g02910.1	6.05	0	0	2	MASCOT	T	PLEX8
5.03E-01	0|0	Cs7g02910.1	6.05	0	0	2	MASCOT	T	PLEX8
6.99E-02	0|0	Cs7g02910.1	6.05	0	0	2	MASCOT	T	PLEX8

5.29E-01	0|0	Cs7g02910.1	6.05	0	0	2	MASCOT	T	PLEX8
1.26E-02	0|0	Cs7g02910.1	5.84	0	0	2	MASCOT	T	PLEX8
4.06E-03	0|0	Cs7g02910.1	4.53	0	0	2	MASCOT	T	PLEX8
1.35E-01	0|0	Cs7g02910.1	4.53	0	0	2	MASCOT	T	
9.88E-02	0|0	Cs7g02910.1	8.46	0	0	2	MASCOT	T	
1.02E-02	0|0	Cs7g02910.1	8.46	0	0	2	MASCOT	T	
3.29E-03	0|0	Cs7g02910.1	4.37	0	0	2	MASCOT	T	
2.06E-02	0|0	Cs7g02910.1	4.37	0	0	2	MASCOT	T	
2.76E-02	0|0	Cs2g14350.1/Cs2g143	5.83	0	0	2	MASCOT	T	PLEX8
6.58E-02	0|0	Cs2g14350.1/Cs2g143	5.83	0	0	2	MASCOT	T	PLEX8
2.11E-02	0|0	Cs2g14350.1	5.84	0	0	2	MASCOT	T	PLEX8
4.29E-02	0|0	Cs2g14350.1	5.84	0	0	2	MASCOT	T	PLEX8
7.29E-02	0|0	Cs2g14350.1/Cs2g143	8.47	0	0	2	MASCOT	T	PLEX8
5.69E-04	0|0	Cs2g14350.1/Cs2g143	8.47	0	0	2	MASCOT	T	PLEX8
2.48E-04	0|0	Cs2g14350.1/Cs2g143	8.47	0	0	2	MASCOT	T	PLEX8
3.96E-03	0|0	Cs2g14350.1/Cs2g143	8.47	0	0	2	MASCOT	T	PLEX8
1.83E-04	0|0	Cs2g14350.1/Cs2g143	4.37	0	0	2	MASCOT	T	PLEX8
8.80E-02	0|0	Cs2g14350.1/Cs2g143	5.84	0	0	2	MASCOT	T	PLEX8
1.70E-01	0|0	Cs2g17350.1	5.4	0	0	2	MASCOT	T	PLEX8
2.46E-04	0|0	Cs2g17350.1	5.84	0	0	2	MASCOT	T	
1.94E-02	0|0	Cs2g17350.1	6.74	0	0	2	MASCOT	T	PLEX8
1.38E-05	0|0	Cs2g17350.1	6.74	0	0	2	MASCOT	T	PLEX8
1.59E-02	0|0	Cs2g17350.1	4.68	0	0	2	MASCOT	T	PLEX8
2.04E-01	0|0	Cs2g17350.1	4.68	0	0	2	MASCOT	T	PLEX8
1.54E-01	0|0	Cs2g17350.1	4.68	0	0	2	MASCOT	T	
6.65E-02	0|0	Cs2g17350.1	4.68	0	0	2	MASCOT	T	
4.89E-04	0|0	Cs2g17350.1	4.68	0	0	2	MASCOT	T	
1.29E-01	0|0	Cs2g17350.1	6.74	0	0	2	MASCOT	T	PLEX8
2.46E-02	0|0	Cs1g03160.1/Cs1g031	4.14	0	0	2	MASCOT	T	
3.68E-04	0|0	Cs1g03160.1/Cs1g031	4.14	0	0	2	MASCOT	T	
1.53E-01	0|0	Cs1g03160.1/Cs1g031	5.83	0	0	2	MASCOT	T	PLEX8
2.09E-01	0|0	Cs7g21860.1/orange1.	5.84	0	0	2	MASCOT	T	PLEX8
2.33E-03	0|0	Cs7g21860.1/orange1.	5.84	0	0	2	MASCOT	T	PLEX8
3.35E-03	0|0	Cs7g21860.1/orange1.	5.84	0	0	2	MASCOT	T	PLEX8
3.73E-02	0|0	Cs7g21860.1/orange1.	5.84	0	0	2	MASCOT	T	PLEX8
8.18E-02	0|0	Cs7g21860.1/orange1.	5.84	0	0	2	MASCOT	T	
5.49E-02	0|0	Cs1g03160.1/Cs1g031	5.97	0	0	2	MASCOT	T	PLEX8
1.25E-01	0|0	Cs5g08010.1/Cs5g080	6	0	0	2	MASCOT	T	PLEX8
3.20E-02	0|0	Cs5g16480.1	4.53	0	0	2	MASCOT	T	PLEX8
2.09E-04	0|0	Cs5g16480.1	4.03	0	0	2	MASCOT	T	PLEX8
1.07E-02	0|0	Cs5g16480.1	4.03	0	0	2	MASCOT	T	PLEX8
1.06E-03	0|0	Cs5g16480.1	8.75	0	0	2	MASCOT	T	PLEX8
6.51E-05	0|0	Cs5g16480.1	8.75	0	0	2	MASCOT	T	PLEX8
4.40E-04	0|0	Cs5g16480.1	8.75	0	0	2	MASCOT	T	PLEX8
2.24E-03	0|0	Cs5g16480.1	8.75	0	0	2	MASCOT	T	PLEX8
1.10E-01	0|0	Cs5g16480.1	5.96	1	0	2	MASCOT	T	PLEX8
3.68E-01	0|0	Cs5g16480.1	6.75	0	0	2	MASCOT	T	PLEX8
4.68E-02	0|0	Cs5g16480.1	6.75	0	0	2	MASCOT	T	PLEX8
2.50E-02	0|0	Cs5g17830.1/Cs5g178	4.56	1	0	2	MASCOT	T	PLEX8
2.76E-01	0|0	Cs5g17830.1/Cs5g178	5.75	0	0	2	MASCOT	T	PLEX8
2.04E-01	0|0	Cs5g17830.1/Cs5g178	5.84	0	0	2	MASCOT	T	PLEX8

1.51E-02 0|0	Cs5g17830.1/Cs5g178	5.84	0	0	2 MASCOT	T	PLEX8
3.30E-01 0|0	Cs5g17830.1/Cs5g178	5.84	0	0	2 MASCOT	T	PLEX8
3.45E-02 0|0	Cs5g17830.1/Cs5g178	5.84	0	0	2 MASCOT	T	PLEX8
5.71E-04 0|0	Cs5g17830.1/Cs5g178	5.38	0	0	2 MASCOT	T	PLEX8
3.37E-02 0|0	Cs5g17830.1/Cs5g178	5.38	0	0	2 MASCOT	T	PLEX8
1.30E-02 0|0	Cs5g17830.1/Cs5g178	5.38	0	0	2 MASCOT	T	PLEX8
1.93E-02 0|0	Cs5g17830.1/Cs5g178	4.37	0	0	2 MASCOT	T	PLEX8
6.27E-02 0|0	Cs5g26760.1	5.84	0	0	2 MASCOT	T	PLEX8
8.19E-02 0|0	Cs5g26760.1	5.84	0	0	2 MASCOT	T	PLEX8
1.27E-01 0|0	Cs5g26760.1/Cs6g210	5.84	0	0	2 MASCOT	T	PLEX8
6.80E-03 0|0	Cs5g26760.1	5.87	0	0	2 MASCOT	T	
1.66E-01 0|0	Cs1g21050.1/Cs3g166	4.14	0	0	2 MASCOT	T	PLEX8
2.11E-01 0|0	Cs1g21050.1/Cs3g166	4.14	0	0	2 MASCOT	T	PLEX8
6.75E-03 0|0	Cs1g21050.1/Cs3g166	6.75	0	0	2 MASCOT	T	PLEX8
1.75E-02 0|0	Cs1g21050.1/Cs3g166	6.75	0	0	2 MASCOT	T	PLEX8
1.28E-02 0|0	Cs1g21050.1/Cs3g166	6.75	0	0	2 MASCOT	T	PLEX8
4.77E-03 0|0	Cs1g21050.1/Cs3g166	6.75	0	0	2 MASCOT	T	PLEX8
1.23E-02 0|0	Cs6g15910.1/Cs6g159	8.59	0	0	2 MASCOT	T	PLEX8
6.13E-04 0|0	Cs6g15910.1/Cs6g159	8.59	0	0	2 MASCOT	T	PLEX8
1.41E-02 0|0	Cs6g15910.1/Cs6g159	8.59	0	0	2 MASCOT	T	PLEX8
5.88E-02 0|0	Cs6g15910.1/Cs6g159	8.75	0	0	2 MASCOT	T	PLEX8
2.02E-04 0|0	Cs6g15910.1/Cs6g159	4.53	0	0	2 MASCOT	T	PLEX8
2.82E-04 0|0	Cs6g15910.1/Cs6g159	4.53	0	0	2 MASCOT	T	PLEX8
5.68E-04 0|0	Cs6g15910.1/Cs6g159	4.53	0	0	2 MASCOT	T	PLEX8
1.05E-02 0|0	Cs6g15910.1/Cs6g159	4.66	1	0	2 MASCOT	T	
1.56E-03 0|0	Cs6g15910.1/Cs6g159	4.22	0	0	2 MASCOT	T	PLEX8
5.34E-02 0|0	Cs6g15910.1/Cs6g159	4.22	0	0	2 MASCOT	T	PLEX8
1.07E-01 0|0	Cs6g20640.1/Cs7g043	5.21	0	0	2 MASCOT	T	
8.41E-02 0|0	Cs6g20640.1/Cs7g043	5.21	0	0	2 MASCOT	T	
2.63E-04 0|0	Cs6g20640.1	8.59	0	0	2 MASCOT	T	
4.62E-06 0|0	Cs6g20640.1	8.59	0	0	2 MASCOT	T	
1.24E-01 0|0	Cs6g20640.1	5.84	0	0	2 MASCOT	T	PLEX8
4.01E-02 0|0	Cs6g20640.1	5.84	0	0	2 MASCOT	T	PLEX8
3.94E-01 0|0	Cs6g20640.1	5.84	0	0	2 MASCOT	T	PLEX8
1.05E-01 0|0	Cs1g10230.1/Cs1g102	8.41	0	0	2 MASCOT	T	PLEX8
4.77E-04 0|0	Cs6g20640.1	8.73	0	0	2 MASCOT	T	PLEX8
1.99E-04 0|0	Cs6g20640.1	8.73	0	0	2 MASCOT	T	PLEX8
2.59E-01 0|0	Cs7g02240.1	6.75	0	0	2 MASCOT	T	PLEX8
4.32E-01 0|0	Cs7g02240.1	6.75	0	0	2 MASCOT	T	
3.26E-03 0|0	Cs7g02240.1	4.14	0	0	2 MASCOT	T	
1.97E-02 0|0	Cs7g02240.1	5.84	0	0	2 MASCOT	T	PLEX8
3.62E-02 0|0	Cs7g02240.1	5.84	0	0	2 MASCOT	T	PLEX8
6.23E-02 0|0	Cs7g02240.1	5.84	0	0	2 MASCOT	T	PLEX8
1.26E-02 0|0	Cs7g02240.1	5.21	0	0	2 MASCOT	T	PLEX8
4.78E-03 0|0	Cs7g02240.1	5.21	0	0	2 MASCOT	T	PLEX8
2.42E-02 0|0	Cs7g02240.1	5.21	0	0	2 MASCOT	T	PLEX8
1.53E-01 0|0	Cs7g02240.1	8.05	0	0	2 MASCOT	T	PLEX8
7.37E-03 0|0	Cs8g02140.1	4.25	0 15.9	0	2 MASCOT	T	PLEX8
2.44E-02 0|0	Cs8g02140.1	4.25	0	0	2 MASCOT	T	PLEX8
1.43E-02 0|0	Cs8g02140.1	5.72	0	0	2 MASCOT	T	PLEX8
1.94E-02 0|0	Cs8g02140.1	5.72	0	0	2 MASCOT	T	PLEX8

3.33E-04 0|0	Cs8g02140.1	5.72	0	0	2 MASCOT	T	PLEX8
1.41E-01 0|0	Cs8g02140.1	5.72	0	0	2 MASCOT	T	PLEX8
4.10E-03 0|0	Cs8g02140.1	5.72	0	0	2 MASCOT	T	PLEX8
2.33E-03 0|0	Cs8g02140.1	4.53	0	0	2 MASCOT	T	PLEX8
9.12E-02 0|0	Cs8g02140.1	4.37	0	0	2 MASCOT	T	PLEX8
8.70E-02 0|0	Cs8g02140.1	5.97	0	0	2 MASCOT	T	PLEX8
5.25E-04 0|0	Cs8g04920.1	4.53	0	0	2 MASCOT	T	PLEX8
6.86E-02 0|0	Cs8g04920.1	5.99	0	0	2 MASCOT	T	PLEX8
3.38E-03 0|0	Cs8g04920.1	5.99	0	0	2 MASCOT	T	PLEX8
2.96E-01 0|0	Cs8g04920.1	4.37	0	0	2 MASCOT	T	PLEX8
1.77E-01 0|0	Cs8g04920.1	4.37	0	0	2 MASCOT	T	PLEX8
2.28E-01 0|0	Cs8g04920.1	4.37	0	0	2 MASCOT	T	PLEX8
3.04E-02 0|0	Cs8g04920.1	4.37	0	0	2 MASCOT	T	PLEX8
2.24E-01 0|0	Cs8g04920.1	4.03	0	0	2 MASCOT	T	PLEX8
1.01E-02 0|0	Cs8g04920.1	4.37	0	0	2 MASCOT	T	PLEX8
1.63E-02 0|0	Cs8g04920.1	4.37	0	0	2 MASCOT	T	PLEX8
3.30E-02 0|0	Cs8g05790.1/Cs8g057	8.8	0	0	2 MASCOT	T	PLEX8
2.45E-02 0|0	Cs8g05790.1/Cs8g057	8.8	0	0	2 MASCOT	T	PLEX8
1.77E-03 0|0	Cs8g05790.1/Cs8g057	8.8	0	0	2 MASCOT	T	PLEX8
2.15E-02 0|0	Cs8g05790.1/Cs8g057	4.53	0	0	2 MASCOT	T	PLEX8
9.83E-02 0|0	Cs8g05790.1/Cs8g057	4.14	0	0	2 MASCOT	T	PLEX8
1.02E-02 0|0	Cs8g05800.1/Cs8g058	4.14	0	0	2 MASCOT	T	
3.61E-03 0|0	Cs8g05790.1/Cs8g057	8.8	0	0	2 MASCOT	T	PLEX8
3.29E-02 0|0	Cs8g05790.1/Cs8g057	8.8	0	0	2 MASCOT	T	PLEX8
1.78E-01 0|0	Cs8g05790.1/Cs8g057	8.8	0	0	2 MASCOT	T	PLEX8
6.50E-03 0|0	Cs8g05790.1/Cs8g057	8.8	0	0	2 MASCOT	T	PLEX8
8.98E-02 0|0	orange1.1t00569.1/ora	6.75	0	0	2 MASCOT	T	PLEX8
3.51E-02 0|0	orange1.1t00569.1/ora	6.75	0	0	2 MASCOT	T	PLEX8
9.40E-02 0|0	orange1.1t00569.1/ora	8.1	0	0	2 MASCOT	T	PLEX8
1.24E-01 0|0	orange1.1t00569.1/ora	8.1	0	0	2 MASCOT	T	PLEX8
5.03E-02 0|0	orange1.1t00569.1/ora	8.1	0	0	2 MASCOT	T	PLEX8
4.81E-02 0|0	orange1.1t00569.1/ora	4.21	0	0	2 MASCOT	T	
1.86E-01 0|0	orange1.1t00569.1/ora	4.21	0	0	2 MASCOT	T	
5.29E-02 0|0	orange1.1t00569.1/ora	9.75	0	0	2 MASCOT	T	PLEX8
7.03E-02 0|0	orange1.1t00569.1/ora	6	0	0	2 MASCOT	T	PLEX8
1.03E-02 0|0	orange1.1t00569.1/ora	6	0	0	2 MASCOT	T	PLEX8
2.78E-01 0|0	Cs1g26330.1	5.88	0	0	2 MASCOT	T	PLEX8
4.20E-04 0|0	Cs1g26330.1	4.37	0	0	2 MASCOT	T	PLEX8
6.86E-04 0|0	Cs1g26330.1	4.37	0	0	2 MASCOT	T	PLEX8
6.70E-03 0|0	Cs1g26330.1	4.37	0	0	2 MASCOT	T	PLEX8
1.45E-02 0|0	Cs1g26330.1	5.83	0	0	2 MASCOT	T	PLEX8
1.56E-02 0|0	Cs1g26330.1	5.83	0	0	2 MASCOT	T	PLEX8
1.83E-04 0|0	Cs1g26330.1	4.21	0	0	2 MASCOT	T	PLEX8
1.47E-02 0|0	Cs1g26330.1	4.21	0	0	2 MASCOT	T	PLEX8
1.72E-02 0|0	Cs1g26330.1	4.21	0	0	2 MASCOT	T	
1.12E-02 0|0	Cs2g06360.1	6	0	0	2 MASCOT	T	PLEX8
3.72E-03 0|0	Cs2g06360.1	5.97	0	0	2 MASCOT	T	PLEX8
7.34E-06 0|0	Cs2g06360.1	5.97	0	0	2 MASCOT	T	PLEX8
5.81E-02 0|0	Cs2g06360.1	5.97	0	0	2 MASCOT	T	PLEX8
6.06E-02 0|0	Cs2g06360.1 ! Cs2g06	4.14	0	0	2 MASCOT	T	PLEX8
8.14E-02 0|0	Cs2g06360.1 ! Cs2g06	4.14	0	0	2 MASCOT	T	PLEX8

4.45E-02	0|0	Cs2g06360.1	9.76	0	15.9	0	2	MASCOT	T	PLEX8
6.02E-02	0|0	Cs2g06360.1/Cs2g063	4.53	0		0	2	MASCOT	T	PLEX8
2.66E-01	0|0	Cs2g06360.1/Cs2g063	4.53	0		0	2	MASCOT	T	PLEX8
1.53E-01	0|0	Cs2g24540.1/Cs2g245	4.41	0		0	2	MASCOT	T	PLEX8
3.21E-02	0|0	Cs2g24540.1	6.74	0		0	2	MASCOT	T	PLEX8
4.27E-02	0|0	Cs2g24540.1	4.14	0		0	2	MASCOT	T	PLEX8
3.54E-01	0|0	Cs2g19440.1/Cs2g194	6.74	0		0	2	MASCOT	T	PLEX8
2.36E-01	0|0	Cs2g19440.1/Cs2g194	6.74	0		0	2	MASCOT	T	PLEX8
2.58E-02	0|0	Cs2g19440.1/Cs2g194	6.74	0		0	2	MASCOT	T	PLEX8
2.35E-01	0|0	Cs2g19440.1/Cs2g194	6.74	0		0	2	MASCOT	T	PLEX8
2.45E-02	0|0	Cs2g19440.1/Cs2g194	6.74	0		0	2	MASCOT	T	
3.12E-03	0|0	Cs2g24540.1	4.53	0		0	2	MASCOT	T	
5.63E-03	0|0	Cs2g27470.1	4.53	0		0	2	MASCOT	T	PLEX8
6.47E-04	0|0	Cs2g27470.1	5.4	0		0	2	MASCOT	T	PLEX8
1.69E-01	0|0	Cs2g27470.1	5.4	0		0	2	MASCOT	T	PLEX8
1.21E-02	0|0	Cs2g27470.1	6	0		0	2	MASCOT	T	PLEX8
2.04E-02	0|0	Cs2g27470.1	6	0		0	2	MASCOT	T	PLEX8
2.66E-01	0|0	Cs2g27470.1	6	0		0	2	MASCOT	T	PLEX8
1.41E-02	0|0	Cs2g27470.1	6	0		0	2	MASCOT	T	PLEX8
4.10E-02	0|0	Cs2g27470.1	4.25	0		0	2	MASCOT	T	PLEX8
9.44E-05	0|0	Cs2g27470.1	4.37	0		0	2	MASCOT	T	PLEX8
1.66E-01	0|0	Cs3g10670.1/Cs3g106	4.37	0		0	2	MASCOT	T	PLEX8
1.27E-01	0|0	Cs3g10670.1/Cs3g106	4.37	0		0	2	MASCOT	T	
4.71E-02	0|0	Cs3g10670.1/Cs3g106	4.37	0		0	2	MASCOT	T	
5.06E-04	0|0	Cs3g10630.1/Cs3g106	4.21	0		0	2	MASCOT	T	PLEX8
6.30E-04	0|0	Cs3g10630.1/Cs3g106	4.21	0		0	2	MASCOT	T	PLEX8
1.97E-01	0|0	Cs3g10580.1/Cs3g105	8.76	0		0	2	MASCOT	T	
4.38E-02	0|0	Cs3g10630.1/Cs3g106	6	0		0	2	MASCOT	T	PLEX8
3.20E-03	0|0	Cs3g10630.1/Cs3g106	6	0		0	2	MASCOT	T	PLEX8
1.18E-02	0|0	Cs3g10630.1/Cs3g106	6.1	0		0	2	MASCOT	T	PLEX8
1.08E-05	0|0	Cs3g17920.1	4	0		0	2	MASCOT	T	PLEX8
1.67E-05	0|0	Cs3g17920.1	4	0		0	2	MASCOT	T	PLEX8
3.43E-03	0|0	Cs3g17920.1	8.41	0		0	2	MASCOT	T	PLEX8
1.94E-02	0|0	Cs3g17920.1	8.41	0		0	2	MASCOT	T	PLEX8
2.96E-02	0|0	Cs3g17920.1	8.23	0		0	2	MASCOT	T	PLEX8
1.96E-04	0|0	Cs3g17920.1	8.26	0		0	2	MASCOT	T	PLEX8
3.87E-04	0|0	Cs3g17920.1	8.26	0		0	2	MASCOT	T	PLEX8
1.60E-04	0|0	Cs3g17920.1	8.26	0		0	2	MASCOT	T	PLEX8
1.14E-01	0|0	Cs3g17920.1	5.66	0		0	2	MASCOT	T	PLEX8
4.04E-03	0|0	Cs3g24040.1/orange1.	5.88	0		0	2	MASCOT	T	PLEX8
7.83E-06	0|0	Cs3g24040.1/orange1.	5.88	0		0	2	MASCOT	T	PLEX8
4.43E-04	0|0	Cs3g24040.1/orange1.	5.88	0		0	2	MASCOT	T	PLEX8
8.62E-02	0|0	Cs3g24040.1	4.37	0		0	2	MASCOT	T	PLEX8
1.51E-03	0|0	Cs3g24040.1/orange1.	4.37	0		0	2	MASCOT	T	PLEX8
6.87E-04	0|0	Cs3g24040.1	8.59	0		0	2	MASCOT	T	PLEX8
5.53E-03	0|0	Cs3g24040.1	8.59	0		0	2	MASCOT	T	PLEX8
5.72E-02	0|0	Cs3g24040.1	8.59	0		0	2	MASCOT	T	PLEX8
2.67E-02	0|0	Cs3g24040.1	5.84	0		0	2	MASCOT	T	PLEX8
7.36E-02	0|0	Cs4g14530.1/Cs4g145	5.84	0		0	2	MASCOT	T	PLEX8
1.57E-01	0|0	Cs4g14530.1/Cs4g145	5.84	0		0	2	MASCOT	T	PLEX8
6.15E-02	0|0	Cs4g14530.1/Cs4g145	4.37	0		0	2	MASCOT	T	

6.53E-03	0|0	Cs4g14530.1/Cs4g145	5.32	0	0	2	MASCOT	T	PLEX8
8.24E-02	0|0	Cs4g14530.1/Cs4g145	5.32	0	0	2	MASCOT	T	PLEX8
5.04E-02	0|0	Cs4g14530.1/Cs4g145	4	0	0	2	MASCOT	T	
7.20E-05	0|0	Cs4g14530.1/Cs4g145	4	0	0	2	MASCOT	T	
4.36E-03	0|0	Cs4g14530.1/Cs4g145	5.88	0	0	2	MASCOT	T	PLEX8
1.14E-02	0|0	Cs4g14530.1/Cs4g145	5.88	0	0	2	MASCOT	T	PLEX8
1.40E-02	0|0	Cs4g15310.1 ! Cs5g01	4.37	0	0	2	MASCOT	T	PLEX8
1.15E-02	0|0	Cs4g15310.1 ! Cs5g01	4.37	0	0	2	MASCOT	T	PLEX8
8.63E-02	0|0	Cs4g15310.1 ! Cs5g01	4.37	0	0	2	MASCOT	T	PLEX8
2.57E-02	0|0	Cs4g15310.1/Cs4g153	4.03	0	0	2	MASCOT	T	
1.13E-02	0|0	Cs4g15310.1 ! Cs5g01	6.07	1	0	2	MASCOT	T	PLEX8
1.88E-02	0|0	Cs4g15310.1/Cs5g011	8.47	0	0	2	MASCOT	T	PLEX8
8.12E-03	0|0	Cs4g15310.1/Cs5g011	8.47	0	0	2	MASCOT	T	PLEX8
6.48E-02	0|0	Cs4g15310.1/Cs5g011	8.47	0	0	2	MASCOT	T	PLEX8
3.59E-02	0|0	Cs4g15310.1/Cs4g153	8.44	0	0	2	MASCOT	T	PLEX8
2.80E-02	0|0	Cs4g19200.1/Cs4g192	4.53	0	0	2	MASCOT	T	PLEX8
1.29E-03	0|0	Cs4g19200.1/Cs4g192	4.37	0	0	2	MASCOT	T	
3.21E-02	0|0	Cs5g21755.1 ! Cs4g15	6	0	0	2	MASCOT	T	PLEX8
2.09E-01	0|0	Cs4g15270.1/Cs4g152	6.74	0	0	2	MASCOT	T	PLEX8
5.26E-02	0|0	Cs4g15270.1/Cs4g152	6.74	0	0	2	MASCOT	T	
1.01E-02	0|0	Cs4g15270.1/Cs4g152	6.74	0	0	2	MASCOT	T	PLEX8
6.01E-05	0|0	Cs4g15270.1/Cs4g152	5.83	0	15.9	0	2	MASCOT	T
8.36E-03	0|0	Cs4g15270.1/Cs4g152	5.83	0	0	2	MASCOT	T	
1.76E-05	0|0	Cs4g15270.1/Cs4g152	5.83	0	0	2	MASCOT	T	
4.42E-01	0|0	Cs6g06590.1	9.8	0	0	2	MASCOT	T	PLEX8
1.62E-01	0|0	Cs6g06590.1	5.84	0	0	2	MASCOT	T	PLEX8
2.39E-01	0|0	Cs6g06590.1	5.84	0	0	2	MASCOT	T	PLEX8
8.83E-04	0|0	Cs6g06590.1	9.47	0	0	2	MASCOT	T	PLEX8
2.23E-01	0|0	Cs6g06590.1	9.47	0	0	2	MASCOT	T	PLEX8
1.78E-05	0|0	Cs6g06590.1	4.18	1	0	2	MASCOT	T	PLEX8
1.48E-01	0|0	Cs6g06590.1	4.18	1	0	2	MASCOT	T	PLEX8
1.55E-01	0|0	Cs6g06590.1	4.18	1	0	2	MASCOT	T	
1.77E-01	0|0	Cs6g06590.1	8.26	0	0	2	MASCOT	T	PLEX8
6.77E-03	0|0	Cs7g03610.1/Cs7g036	6	0	0	2	MASCOT	T	
5.44E-03	0|0	Cs7g03610.1/Cs7g036	8.59	1	0	2	MASCOT	T	PLEX8
2.12E-02	0|0	Cs7g03610.1/Cs7g036	4.53	0	0	2	MASCOT	T	PLEX8
1.63E-01	0|0	Cs7g03610.1/Cs7g036	4.53	0	0	2	MASCOT	T	PLEX8
2.32E-01	0|0	Cs7g03610.1/Cs7g036	5.97	0	0	2	MASCOT	T	PLEX8
9.56E-06	0|0	Cs7g03610.1/Cs7g036	5.97	0	0	2	MASCOT	T	PLEX8
4.31E-04	0|0	Cs7g03610.1/Cs7g036	5.97	0	0	2	MASCOT	T	PLEX8
1.53E-03	0|0	Cs7g03610.1/Cs7g036	8.59	0	0	2	MASCOT	T	PLEX8
1.38E-05	0|0	Cs7g03610.1/Cs7g036	8.59	0	0	2	MASCOT	T	PLEX8
7.24E-05	0|0	Cs7g09840.1/Cs7g098	4.37	0	0	2	MASCOT	T	
8.12E-03	0|0	Cs7g09840.1/Cs7g098	4.37	0	0	2	MASCOT	T	
5.66E-02	0|0	Cs7g09840.1	8.75	0	0	2	MASCOT	T	PLEX8
2.17E-01	0|0	Cs7g09840.1	8.75	0	0	2	MASCOT	T	PLEX8
6.82E-02	0|0	Cs7g09840.1	8.75	0	0	2	MASCOT	T	PLEX8
3.95E-01	0|0	Cs7g09840.1	4.53	0	0	2	MASCOT	T	PLEX8
1.36E-03	0|0	Cs7g09840.1	4.53	0	0	2	MASCOT	T	PLEX8
4.28E-02	0|0	Cs7g09840.1/Cs7g098	9.76	0	0	2	MASCOT	T	
9.24E-04	0|0	Cs7g09840.1/Cs7g098	5.4	0	0	2	MASCOT	T	PLEX8

1.45E-02	0|0	Cs7g20440.1/Cs7g204	4.21	0	0	2	MASCOT	T	PLEX8	
2.45E-01	0|0	Cs7g20440.1/Cs7g204	4.21	0	0	2	MASCOT	T	PLEX8	
1.95E-01	0|0	Cs7g20440.1/Cs7g204	4.21	0	0	2	MASCOT	T	PLEX8	
2.93E-02	0|0	Cs7g20440.1/Cs7g204	6	0	0	2	MASCOT	T	PLEX8	
1.23E-01	0|0	Cs7g20440.1/Cs7g204	5.84	0	15.9	0	2	MASCOT	T	
1.56E-02	0|0	Cs7g20440.1/Cs7g204	5.84	0	0	2	MASCOT	T	PLEX8	
1.03E-03	0|0	Cs7g20440.1/Cs7g204	5.84	0	0	2	MASCOT	T	PLEX8	
4.19E-03	0|0	Cs7g20440.1/Cs7g204	8.75	0	0	2	MASCOT	T	PLEX8	
3.26E-02	0|0	Cs7g20440.1/Cs7g204	4.03	0	0	2	MASCOT	T	PLEX8	
5.23E-03	0|0	Cs7g24590.2	5.84	0	15.9	0	2	MASCOT	T	PLEX8
8.81E-02	0|0	Cs7g24590.1/Cs7g245	5.4	0	0	2	MASCOT	T	PLEX8	
4.53E-03	0|0	Cs7g24590.1/Cs7g245	5.4	0	0	2	MASCOT	T	PLEX8	
3.12E-02	0|0	Cs7g24590.1/Cs7g245	5.8	0	0	2	MASCOT	T		
4.03E-01	0|0	Cs7g24590.2	5.4	0	15.9	0	2	MASCOT	T	PLEX8
1.23E-01	0|0	Cs7g24590.2	5.4	0	0	2	MASCOT	T	PLEX8	
8.34E-02	0|0	Cs7g24590.2	5.4	0	0	2	MASCOT	T	PLEX8	
7.30E-05	0|0	Cs7g24590.2	4.14	0	0	2	MASCOT	T		
6.31E-03	0|0	Cs7g24590.2	4.14	0	0	2	MASCOT	T		
3.07E-03	0|0	Cs9g07320.1	6.74	0	0	2	MASCOT	T	PLEX8	
1.72E-01	0|0	Cs9g07320.1	6	0	0	2	MASCOT	T	PLEX8	
2.29E-01	0|0	Cs9g07320.1	6	0	0	2	MASCOT	T	PLEX8	
6.64E-02	0|0	Cs9g07320.1	8.75	0	0	2	MASCOT	T	PLEX8	
8.82E-03	0|0	Cs9g07320.1	8.75	0	0	2	MASCOT	T	PLEX8	
1.53E-02	0|0	Cs9g07320.1	8.75	0	0	2	MASCOT	T	PLEX8	
7.53E-03	0|0	Cs9g07320.1	9.75	0	0	2	MASCOT	T		
9.31E-02	0|0	Cs9g07320.1	5.97	0	0	2	MASCOT	T	PLEX8	
2.89E-02	0|0	Cs9g07320.1	5.97	0	0	2	MASCOT	T	PLEX8	
1.96E-01	0|0	orange1.1t02506.1	6	0	0	2	MASCOT	T	PLEX8	
1.54E-03	0|0	orange1.1t02506.1	6	0	0	2	MASCOT	T	PLEX8	
1.02E-01	0|0	orange1.1t02506.1	5.84	0	0	2	MASCOT	T	PLEX8	
1.18E-01	0|0	orange1.1t02506.1	5.84	0	0	2	MASCOT	T	PLEX8	
2.66E-01	0|0	orange1.1t02506.1	5.84	0	0	2	MASCOT	T	PLEX8	
1.38E-01	0|0	orange1.1t02506.1	5.84	0	0	2	MASCOT	T	PLEX8	
1.58E-01	0|0	orange1.1t02506.1	5.55	0	0	2	MASCOT	T	PLEX8	
4.61E-01	0|0	orange1.1t02506.1	6.79	0	0	2	MASCOT	T		
1.45E-03	0|0	orange1.1t02506.1	4.54	0	0	2	MASCOT	T	PLEX8	
7.45E-03	0|0	Cs5g27960.1/Cs5g279	4.37	0	0	2	MASCOT	T	PLEX8	
4.63E-03	0|0	Cs5g27960.1/Cs5g279	4.37	0	0	2	MASCOT	T	PLEX8	
1.59E-02	0|0	Cs5g27960.1/Cs5g279	8.19	0	0	2	MASCOT	T	PLEX8	
1.85E-01	0|0	Cs5g27960.1/Cs5g279	8.76	0	0	2	MASCOT	T	PLEX8	
4.04E-01	0|0	Cs5g27960.1/Cs5g279	8.76	0	0	2	MASCOT	T	PLEX8	
4.96E-02	0|0	orange1.1t03290.1/ora	6	0	0	2	MASCOT	T	PLEX8	
3.82E-02	0|0	Cs5g27960.1/Cs5g279	5.59	0	0	2	MASCOT	T	PLEX8	
2.18E-02	0|0	Cs5g27960.1/Cs5g279	5.59	0	0	2	MASCOT	T	PLEX8	
1.17E-01	0|0	Cs5g27960.1/Cs5g279	5.59	0	0	2	MASCOT	T	PLEX8	
7.78E-03	0|0	Cs1g26380.1/Cs1g263	4.37	0	0	2	MASCOT	T		
2.68E-03	0|0	Cs1g26380.1/Cs1g263	4.37	0	0	2	MASCOT	T		
7.36E-02	0|0	Cs1g26380.1/Cs1g263	8.73	0	0	2	MASCOT	T	PLEX8	
2.71E-02	0|0	Cs1g26380.1/Cs1g263	5.32	0	0	2	MASCOT	T	PLEX8	
5.48E-02	0|0	Cs1g26380.1/Cs1g263	5.32	0	0	2	MASCOT	T	PLEX8	
3.19E-02	0|0	Cs1g26380.1/Cs1g263	5.32	0	0	2	MASCOT	T	PLEX8	

1.44E-01	0|0	Cs1g26380.1/Cs8g016	6.74	0	0	2	MASCOT	T	PLEX8	
1.19E-03	0|0	Cs1g26380.1/Cs8g016	6.74	0	0	2	MASCOT	T	PLEX8	
1.70E-01	0|0	Cs2g02740.1/Cs2g027	4.53	0	0	2	MASCOT	T	PLEX8	
5.27E-04	0|0	Cs2g02740.1/Cs2g027	4.53	0	0	2	MASCOT	T	PLEX8	
3.29E-03	0|0	Cs2g02740.1/Cs2g027	4.53	0	0	2	MASCOT	T	PLEX8	
5.95E-04	0|0	Cs2g02740.1/Cs2g027	4.53	0	0	2	MASCOT	T	PLEX8	
7.86E-03	0|0	Cs2g02740.1/Cs2g027	4.25	0	0	2	MASCOT	T	PLEX8	
8.22E-03	0|0	Cs2g02740.1/Cs2g027	4.25	0	0	2	MASCOT	T	PLEX8	
2.03E-02	0|0	Cs2g02740.1/Cs2g027	6.75	0	0	2	MASCOT	T	PLEX8	
1.25E-01	0|0	Cs2g02740.1/Cs2g027	6.72	0	0	2	MASCOT	T	PLEX8	
3.35E-03	0|0	Cs2g26760.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.30E-02	0|0	Cs2g26760.1	6.79	0	15.9	0	2	MASCOT	T	PLEX8
1.15E-02	0|0	Cs2g26760.1	6.79	0	0	2	MASCOT	T	PLEX8	
6.66E-03	0|0	Cs2g26760.1	6.74	0	15.9	0	2	MASCOT	T	PLEX8
2.14E-02	0|0	Cs2g26760.1	6.74	0	15.9	0	2	MASCOT	T	PLEX8
1.95E-02	0|0	Cs2g26760.1	6.74	0	0	2	MASCOT	T	PLEX8	
1.28E-02	0|0	Cs2g26760.1	12	0	0	2	MASCOT	T	PLEX8	
5.08E-05	0|0	Cs2g26760.1	5.21	0	0	2	MASCOT	T	PLEX8	
1.34E-02	0|0	Cs3g17100.1/Cs3g171	5.88	0	0	2	MASCOT	T	PLEX8	
9.10E-03	0|0	Cs3g17100.1/Cs3g171	5.88	0	0	2	MASCOT	T	PLEX8	
8.38E-04	0|0	Cs3g17100.1/Cs3g171	5.88	0	0	2	MASCOT	T	PLEX8	
7.64E-03	0|0	Cs3g17100.1/Cs3g171	4.53	0	0	2	MASCOT	T	PLEX8	
8.46E-02	0|0	Cs3g17100.1/Cs3g171	4.53	0	0	2	MASCOT	T	PLEX8	
1.12E-01	0|0	Cs3g17100.1/Cs3g171	6.74	0	0	2	MASCOT	T	PLEX8	
1.29E-02	0|0	Cs3g17100.1/Cs3g171	4.14	0	0	2	MASCOT	T	PLEX8	
7.18E-06	0|0	Cs3g17100.1/Cs3g171	3.84	0	0	2	MASCOT	T	PLEX8	
1.74E-03	0|0	Cs4g09560.1/Cs4g095	4.37	0	0	2	MASCOT	T	PLEX8	
2.64E-01	0|0	Cs4g09560.1/Cs4g095	5.84	0	0	2	MASCOT	T	PLEX8	
4.24E-02	0|0	Cs4g09560.1/Cs4g095	5.84	0	0	2	MASCOT	T	PLEX8	
6.62E-09	0|0	Cs4g09560.1/Cs4g095	9.72	0	0	2	MASCOT	T	PLEX8	
1.57E-01	0|0	Cs4g09560.1/Cs4g095	9.72	0	0	2	MASCOT	T	PLEX8	
5.96E-03	0|0	Cs4g09560.1/Cs4g095	4.25	0	0	2	MASCOT	T	PLEX8	
4.04E-02	0|0	Cs4g09560.1/Cs4g095	4.25	0	0	2	MASCOT	T	PLEX8	
3.96E-01	0|0	Cs4g09560.1	12	0	0	2	MASCOT	T	PLEX8	
1.26E-02	0|0	Cs4g18730.1/Cs4g187	6.1	0	0	2	MASCOT	T	PLEX8	
9.55E-04	0|0	Cs4g18730.1/Cs4g187	6.1	0	0	2	MASCOT	T	PLEX8	
5.26E-03	0|0	Cs4g18730.1/Cs4g187	4.37	0	0	2	MASCOT	T	PLEX8	
1.35E-02	0|0	Cs4g18730.1/Cs4g187	4.37	0	0	2	MASCOT	T	PLEX8	
5.68E-03	0|0	Cs4g18730.1	4.54	0	0	2	MASCOT	T	PLEX8	
9.55E-03	0|0	Cs4g18730.1	4.54	0	0	2	MASCOT	T	PLEX8	
1.05E-01	0|0	Cs4g18730.1/Cs4g187	6.74	0	0	2	MASCOT	T	PLEX8	
5.47E-02	0|0	Cs4g18730.1/Cs4g187	4.53	0	0	2	MASCOT	T	PLEX8	
3.69E-02	0|0	Cs5g02290.1/Cs5g022	4.65	0	0	2	MASCOT	T	PLEX8	
4.17E-02	0|0	Cs5g02290.1/Cs5g022	4.65	0	0	2	MASCOT	T	PLEX8	
4.86E-01	0|0	Cs5g02290.1/Cs5g022	4.65	0	0	2	MASCOT	T	PLEX8	
2.82E-03	0|0	Cs5g02290.1/Cs5g022	4.65	0	0	2	MASCOT	T	PLEX8	
8.35E-02	0|0	Cs5g02290.1/Cs5g022	4.53	0	0	2	MASCOT	T	PLEX8	
4.17E-02	0|0	Cs5g02290.1/Cs5g022	4.53	0	0	2	MASCOT	T	PLEX8	
1.10E-01	0|0	Cs5g02290.1/Cs5g022	8.5	0	0	2	MASCOT	T	PLEX8	
2.45E-02	0|0	Cs5g02290.1/Cs5g022	8.59	0	0	2	MASCOT	T	PLEX8	
1.03E-01	0|0	Cs5g03400.1	6	0	0	2	MASCOT	T	PLEX8	

2.08E-02	0|0	Cs5g03400.1	8.47	0	0	2	MASCOT	T	PLEX8
4.50E-01	0|0	Cs5g03400.1	8.47	0	0	2	MASCOT	T	PLEX8
1.66E-02	0|0	Cs5g03400.1	4.37	0	0	2	MASCOT	T	
2.28E-01	0|0	Cs5g03400.1	5.84	0	0	2	MASCOT	T	PLEX8
6.99E-02	0|0	Cs5g03400.1	5.21	0	0	2	MASCOT	T	PLEX8
3.87E-01	0|0	Cs5g03400.1	5.21	0	0	2	MASCOT	T	PLEX8
8.74E-02	0|0	Cs5g03400.1	5.21	0	0	2	MASCOT	T	PLEX8
6.22E-03	0|0	Cs1g11870.1/Cs4g013	5.32	0	0	2	MASCOT	T	PLEX8
6.52E-03	0|0	Cs1g11870.1/Cs4g013	5.32	0	0	2	MASCOT	T	PLEX8
1.55E-02	0|0	Cs5g04360.1	6.75	0	0	2	MASCOT	T	PLEX8
5.07E-03	0|0	Cs5g04360.1	6.75	0	0	2	MASCOT	T	PLEX8
3.04E-02	0|0	Cs1g11870.1/Cs4g037	8.8	0	0	2	MASCOT	T	PLEX8
1.20E-02	0|0	Cs1g11870.1/Cs4g037	8.8	0	0	2	MASCOT	T	PLEX8
7.97E-02	0|0	Cs1g11870.1/Cs4g013	5.32	0	0	2	MASCOT	T	
9.76E-02	0|0	Cs1g16150.1/Cs1g161	4.37	0	0	2	MASCOT	T	PLEX8
1.82E-01	0|0	Cs4g01700.1/Cs5g112	5.88	0	0	2	MASCOT	T	PLEX8
1.06E-01	0|0	Cs4g01700.1/Cs5g112	5.88	0	0	2	MASCOT	T	PLEX8
1.17E-02	0|0	Cs5g11260.1	6.73	0	0	2	MASCOT	T	PLEX8
2.00E-01	0|0	Cs5g11260.1	6.73	0	0	2	MASCOT	T	PLEX8
1.47E-01	0|0	Cs5g11260.1	8.41	0	0	2	MASCOT	T	PLEX8
1.90E-01	0|0	Cs4g01700.1/Cs5g112	5.97	0	0	2	MASCOT	T	PLEX8
2.59E-02	0|0	Cs4g01700.1/Cs5g112	5.97	0	0	2	MASCOT	T	PLEX8
1.49E-02	0|0	Cs5g11260.1	4.37	0	0	2	MASCOT	T	
3.79E-03	0|0	Cs6g04070.1/Cs6g040	9.76	0	0	2	MASCOT	T	PLEX8
2.50E-01	0|0	Cs6g04070.1/Cs6g040	4.37	0	0	2	MASCOT	T	PLEX8
2.89E-02	0|0	Cs6g04070.1/Cs6g040	4.37	0	0	2	MASCOT	T	PLEX8
9.20E-02	0|0	Cs6g04070.1/Cs6g040	4.37	0	0	2	MASCOT	T	PLEX8
1.58E-02	0|0	Cs6g04070.1/Cs6g040	8.29	0	0	2	MASCOT	T	PLEX8
1.96E-01	0|0	Cs6g04070.1/Cs6g040	5.75	0	0	2	MASCOT	T	PLEX8
5.08E-02	0|0	Cs6g04070.1/Cs6g040	5.75	0	0	2	MASCOT	T	PLEX8
2.35E-04	0|0	Cs6g04070.1/Cs6g040	4.53	0	0	2	MASCOT	T	
2.89E-02	0|0	Cs7g04020.1/Cs7g040	9.61	0	0	2	MASCOT	T	
2.24E-01	0|0	Cs6g21070.1/Cs7g040	9.51	0	0	2	MASCOT	T	
5.09E-02	0|0	Cs7g04020.1/Cs7g040	8.75	0	0	2	MASCOT	T	PLEX8
2.84E-01	0|0	Cs7g04020.1/Cs7g040	9.75	0	0	2	MASCOT	T	
1.48E-02	0|0	Cs7g04020.1/Cs7g040	4.53	0	0	2	MASCOT	T	PLEX8
1.58E-03	0|0	Cs7g04020.1/Cs7g040	4.53	0	0	2	MASCOT	T	PLEX8
1.22E-01	0|0	Cs7g04020.1/Cs7g040	4.53	0	0	2	MASCOT	T	PLEX8
1.95E-01	0|0	Cs7g04020.1/Cs7g040	4.53	0	0	2	MASCOT	T	
1.33E-01	0|0	Cs1g08840.1/Cs7g294	6.74	0	0	2	MASCOT	T	
1.13E-01	0|0	Cs1g08840.1/Cs7g294	4.25	0	0	2	MASCOT	T	PLEX8
9.80E-05	0|0	Cs1g08840.1/Cs7g294	4.25	0	0	2	MASCOT	T	
2.62E-02	0|0	Cs7g29400.1	8.26	0	0	2	MASCOT	T	PLEX8
5.34E-04	0|0	Cs1g08840.1/Cs7g294	9.72	0	0	2	MASCOT	T	
1.96E-02	0|0	Cs1g08840.1/Cs7g294	9.73	0	0	2	MASCOT	T	PLEX8
1.64E-02	0|0	Cs1g08840.1/Cs7g294	9.73	0	0	2	MASCOT	T	PLEX8
3.67E-01	0|0	Cs1g08840.1/Cs7g294	9.73	0	0	2	MASCOT	T	PLEX8
8.38E-03	0|0	Cs8g07290.1/Cs8g072	4.53	0	0	2	MASCOT	T	PLEX8
8.85E-03	0|0	Cs8g07290.1/Cs8g072	5.3	1	0	2	MASCOT	T	PLEX8
5.18E-03	0|0	Cs8g07290.1/Cs8g072	6	0	0	2	MASCOT	T	
2.32E-01	0|0	Cs8g07290.1/Cs8g072	6	0	0	2	MASCOT	T	PLEX8

1.11E-01 0|0	Cs8g07290.1/Cs8g072	6.04	0	0	2	MASCOT	T	PLEX8
2.33E-01 0|0	Cs8g07290.1/Cs8g072	6.04	0	0	2	MASCOT	T	PLEX8
9.30E-02 0|0	Cs8g07290.1/Cs8g072	6.04	0	0	2	MASCOT	T	PLEX8
2.26E-01 0|0	Cs8g07290.1/Cs8g072	6.75	0	0	2	MASCOT	T	PLEX8
2.08E-02 0|0	orange1.1t00028.1/ora	8.75	0	0	2	MASCOT	T	PLEX8
3.52E-03 0|0	orange1.1t00028.1/ora	4.21	0	0	2	MASCOT	T	
1.18E-02 0|0	orange1.1t00028.1/ora	6.74	0	0	2	MASCOT	T	PLEX8
1.04E-03 0|0	orange1.1t00028.1/ora	6.74	0	0	2	MASCOT	T	PLEX8
9.53E-02 0|0	orange1.1t00028.1/ora	6.75	0	0	2	MASCOT	T	PLEX8
2.22E-01 0|0	orange1.1t00028.1/ora	6.75	0	0	2	MASCOT	T	
8.81E-02 0|0	orange1.1t00028.1/ora	5.99	0	0	2	MASCOT	T	PLEX8
7.64E-03 0|0	orange1.1t00028.1/ora	5.99	0	0	2	MASCOT	T	PLEX8
5.99E-02 0|0	orange1.1t01723.1	4.14	0	0	2	MASCOT	T	
6.02E-06 0|0	orange1.1t01723.1	4.14	0	0	2	MASCOT	T	PLEX8
3.26E-03 0|0	orange1.1t01723.1	5.84	0	0	2	MASCOT	T	
2.35E-02 0|0	orange1.1t01723.1	6.79	0	0	2	MASCOT	T	PLEX8
3.95E-01 0|0	orange1.1t01723.1	6.79	0	0	2	MASCOT	T	
1.53E-02 0|0	orange1.1t01723.1	5.45	0	0	2	MASCOT	T	
6.19E-02 0|0	orange1.1t01723.1	4.14	0	0	2	MASCOT	T	PLEX8
1.16E-01 0|0	orange1.1t01723.1	4.14	0	0	2	MASCOT	T	PLEX8
1.74E-01 0|0	Cs1g15150.1	5.84	0	0	2	MASCOT	T	PLEX8
1.57E-02 0|0	Cs1g15150.1	9.41	0	0	2	MASCOT	T	
2.55E-03 0|0	Cs1g15150.1	4.53	0	0	2	MASCOT	T	
2.27E-03 0|0	Cs1g15150.1	4.53	0	0	2	MASCOT	T	
4.53E-03 0|0	Cs1g15150.1	4.37	0	0	2	MASCOT	T	PLEX8
2.08E-03 0|0	Cs1g15150.1	5.32	0	0	2	MASCOT	T	PLEX8
8.18E-03 0|0	Cs1g15150.1	5.32	0	0	2	MASCOT	T	
4.32E-02 0|0	Cs1g20530.1/Cs1g205	4.37	0	0	2	MASCOT	T	
2.44E-02 0|0	Cs1g20530.1/Cs1g205	6.75	0	0	2	MASCOT	T	PLEX8
2.61E-02 0|0	Cs1g20530.1/Cs1g205	4.21	0	0	2	MASCOT	T	
1.58E-01 0|0	Cs1g20530.1/Cs1g205	4.21	0	0	2	MASCOT	T	
1.88E-01 0|0	Cs1g20530.1/Cs1g205	4.41	0	0	2	MASCOT	T	PLEX8
2.59E-02 0|0	Cs1g20530.1/Cs1g205	4.41	0	0	2	MASCOT	T	PLEX8
4.39E-03 0|0	Cs1g20530.1/Cs1g205	4.31	0	0	2	MASCOT	T	PLEX8
8.61E-04 0|0	Cs1g24020.1	6.78	0	0	2	MASCOT	T	PLEX8
2.98E-01 0|0	Cs1g24020.1	8.79	0	0	2	MASCOT	T	PLEX8
3.99E-03 0|0	Cs1g24020.1	5.88	0	0	2	MASCOT	T	PLEX8
3.66E-03 0|0	Cs1g24020.1	5.88	0	0	2	MASCOT	T	PLEX8
1.38E-03 0|0	Cs1g24020.1	5.88	0	0	2	MASCOT	T	PLEX8
2.46E-04 0|0	Cs1g24020.1	4	0	0	2	MASCOT	T	PLEX8
1.51E-01 0|0	Cs1g24020.1	9.72	0	0	2	MASCOT	T	PLEX8
2.00E-02 0|0	Cs2g02260.1/Cs2g022	8.8	0	0	2	MASCOT	T	PLEX8
4.06E-03 0|0	Cs2g02260.1/Cs2g022	4.21	0	0	2	MASCOT	T	PLEX8
7.02E-02 0|0	Cs2g02260.1/Cs2g022	4.37	0	0	2	MASCOT	T	PLEX8
1.79E-01 0|0	Cs2g02260.1/Cs2g022	9.64	0	0	2	MASCOT	T	PLEX8
2.21E-02 0|0	Cs2g02260.1/Cs2g022	9.64	0	0	2	MASCOT	T	PLEX8
1.14E-01 0|0	Cs2g02260.1/Cs2g022	9.64	0	0	2	MASCOT	T	PLEX8
7.30E-02 0|0	Cs2g02260.1/Cs2g022	8.75	0	0	2	MASCOT	T	PLEX8
3.04E-01 0|0	Cs2g10080.1	4.21	0	0	2	MASCOT	T	PLEX8
6.92E-03 0|0	Cs2g10080.1	4.21	0	0	2	MASCOT	T	PLEX8
2.08E-02 0|0	Cs2g10080.1	8.59	0	0	2	MASCOT	T	PLEX8

9.58E-02 0|0	Cs2g10080.1	5.38	0	0	2 MASCOT	T	PLEX8
6.49E-04 0|0	Cs2g10080.1	5.38	0	0	2 MASCOT	T	
2.50E-01 0|0	Cs2g10080.1	6	0	0	2 MASCOT	T	PLEX8
2.09E-01 0|0	Cs2g10080.1	4.42	0	0	2 MASCOT	T	PLEX8
1.24E-03 0|0	Cs2g25350.1/Cs2g253	4.53	0	0	2 MASCOT	T	PLEX8
1.49E-01 0|0	Cs2g25350.1/Cs2g253	4.53	0	0	2 MASCOT	T	PLEX8
6.17E-02 0|0	Cs2g25350.1/Cs2g253	5.59	0	0	2 MASCOT	T	PLEX8
7.05E-02 0|0	Cs2g25350.1/Cs2g253	6.47	0	0	2 MASCOT	T	
7.52E-02 0|0	Cs2g25350.1/Cs2g253	6.47	0	0	2 MASCOT	T	
4.69E-02 0|0	Cs2g25350.1/Cs2g253	6.74	0	0	2 MASCOT	T	PLEX8
4.27E-02 0|0	Cs2g25350.1/Cs2g253	5.83	0	0	2 MASCOT	T	PLEX8
1.18E-01 0|0	Cs3g11480.1	4.37	0	0	2 MASCOT	T	PLEX8
3.60E-01 0|0	Cs3g11480.1	5.4	0	0	2 MASCOT	T	PLEX8
8.29E-02 0|0	Cs3g11480.1	5.4	0	0	2 MASCOT	T	
2.21E-01 0|0	Cs3g11480.1	5.4	0	0	2 MASCOT	T	
7.66E-02 0|0	Cs3g11480.1	6.76	0	0	2 MASCOT	T	
6.11E-05 0|0	Cs3g11480.1	5.66	0	0	2 MASCOT	T	PLEX8
1.48E-01 0|0	Cs3g11480.1	6	0	0	2 MASCOT	T	
2.55E-02 0|0	Cs4g06880.1/Cs4g068	4.53	0	0	2 MASCOT	T	PLEX8
5.54E-03 0|0	Cs4g06880.1/Cs4g068	4.53	0	0	2 MASCOT	T	PLEX8
7.78E-02 0|0	Cs4g06880.1/Cs4g068	4.03	0	0	2 MASCOT	T	
8.58E-03 0|0	Cs4g06880.1/Cs4g068	4.21	0	0	2 MASCOT	T	PLEX8
1.19E-02 0|0	Cs4g06880.1/Cs4g068	3.93	0	0	2 MASCOT	T	PLEX8
1.98E-01 0|0	Cs4g06880.1/Cs4g068	5.32	0	0	2 MASCOT	T	PLEX8
2.30E-01 0|0	Cs4g06880.1/Cs4g068	5.32	0	0	2 MASCOT	T	PLEX8
1.54E-01 0|0	Cs2g17490.1/Cs2g174	5.84	0	0	2 MASCOT	T	PLEX8
9.89E-02 0|0	Cs5g02140.1/Cs5g021	6.74	0	0	2 MASCOT	T	PLEX8
3.47E-01 0|0	Cs5g02140.1/Cs5g021	5.72	0	0	2 MASCOT	T	PLEX8
1.69E-02 0|0	Cs5g02140.1/Cs5g021	5.4	0	0	2 MASCOT	T	
1.13E-03 0|0	Cs5g02140.1/Cs5g021	5.4	0	0	2 MASCOT	T	PLEX8
5.57E-03 0|0	Cs5g02140.1/Cs5g021	5.4	0	0	2 MASCOT	T	PLEX8
1.47E-01 0|0	Cs5g02140.1/Cs5g021	4.53	0	0	2 MASCOT	T	PLEX8
1.23E-01 0|0	Cs5g06820.1	8.59	0	0	2 MASCOT	T	PLEX8
1.01E-01 0|0	Cs5g06820.1	4.37	0	0	2 MASCOT	T	
3.27E-03 0|0	Cs5g06820.1/orange1.	4.54	0	0	2 MASCOT	T	PLEX8
8.16E-02 0|0	Cs5g06820.1/orange1.	4.54	0	0	2 MASCOT	T	PLEX8
3.76E-03 0|0	Cs5g06820.1/orange1.	4.54	0	0	2 MASCOT	T	PLEX8
1.05E-01 0|0	Cs5g06820.1	5.66	0	0	2 MASCOT	T	PLEX8
2.95E-01 0|0	Cs5g06820.1	8.6	0	0	2 MASCOT	T	PLEX8
1.86E-03 0|0	Cs5g29630.1/Cs5g296	6.79	0	0	2 MASCOT	T	PLEX8
4.66E-01 0|0	Cs5g29630.1/Cs5g296	6.79	0	0	2 MASCOT	T	
4.13E-02 0|0	Cs5g29630.1/Cs5g296	5.84	0	0	2 MASCOT	T	PLEX8
1.52E-03 0|0	Cs5g29630.1	5.72	0	0	2 MASCOT	T	PLEX8
2.09E-02 0|0	Cs5g29630.1/Cs5g296	9.73	0	0	2 MASCOT	T	PLEX8
9.11E-02 0|0	Cs5g29630.1	4.53	0	0	2 MASCOT	T	PLEX8
4.62E-03 0|0	Cs5g29630.1	4.53	0	0	2 MASCOT	T	PLEX8
1.07E-02 0|0	Cs6g08790.1/Cs6g087	4.37	0	0	2 MASCOT	T	PLEX8
2.43E-03 0|0	Cs6g08790.1/Cs6g087	4.14	0	0	2 MASCOT	T	
1.80E-02 0|0	Cs6g08790.1/Cs6g087	6.75	0	0	2 MASCOT	T	PLEX8
3.38E-04 0|0	Cs6g08790.1/Cs6g087	6.75	0	0	2 MASCOT	T	PLEX8
6.91E-02 0|0	Cs6g08790.1/Cs6g087	5.72	0	0	2 MASCOT	T	PLEX8

3.28E-01	0|0	Cs6g08790.1/Cs6g087	6	0	0	2	MASCOT	T	PLEX8	
6.89E-02	0|0	Cs6g08790.1/Cs6g087	6	0	0	2	MASCOT	T	PLEX8	
3.03E-01	0|0	Cs6g09120.1	6.05	0	0	2	MASCOT	T	PLEX8	
1.48E-01	0|0	Cs6g09120.1/Cs6g091	8.75	0	0	2	MASCOT	T	PLEX8	
7.29E-03	0|0	Cs6g09120.1/Cs6g091	3.91	0	0	2	MASCOT	T	PLEX8	
2.95E-01	0|0	Cs6g09120.1	6	0	0	2	MASCOT	T	PLEX8	
1.02E-02	0|0	Cs6g09120.1/Cs6g091	8.76	0	0	2	MASCOT	T	PLEX8	
8.92E-04	0|0	Cs6g09120.1/Cs6g091	8.76	0	0	2	MASCOT	T	PLEX8	
7.36E-02	0|0	Cs6g09120.1/Cs6g091	8.76	0	0	2	MASCOT	T	PLEX8	
2.63E-02	0|0	Cs6g19770.1/Cs6g197	6	0	0	2	MASCOT	T	PLEX8	
2.93E-02	0|0	Cs6g19770.1/Cs6g197	6	0	0	2	MASCOT	T	PLEX8	
1.62E-01	0|0	Cs6g10920.1/Cs6g109	4.53	0	0	2	MASCOT	T	PLEX8	
2.63E-02	0|0	Cs6g10920.1/Cs6g109	4.53	0	0	2	MASCOT	T	PLEX8	
4.87E-02	0|0	Cs6g10920.1/Cs6g109	6	0	0	2	MASCOT	T	PLEX8	
5.06E-03	0|0	Cs6g10920.1/Cs6g109	8.72	0	0	2	MASCOT	T	PLEX8	
7.79E-04	0|0	Cs6g10920.1/Cs6g109	4.37	0	0	2	MASCOT	T	PLEX8	
5.18E-05	0|0	Cs6g14020.1	4.37	0	0	2	MASCOT	T		
2.81E-01	0|0	Cs6g14020.1	4.37	0	0	2	MASCOT	T		
1.11E-03	0|0	Cs6g14020.1	4.21	0	0	2	MASCOT	T	PLEX8	
1.25E-01	0|0	Cs6g14020.1	8.59	0	0	2	MASCOT	T	PLEX8	
6.14E-03	0|0	Cs6g14020.1	8.59	0	0	2	MASCOT	T		
1.30E-03	0|0	Cs6g14020.1	8.75	0	0	2	MASCOT	T	PLEX8	
8.94E-02	0|0	Cs6g14020.1	5.55	0	0	2	MASCOT	T	PLEX8	
2.10E-01	0|0	Cs7g02290.1/Cs7g022	8.76	0	0	2	MASCOT	T	PLEX8	
6.01E-03	0|0	Cs7g02290.1/Cs7g022	4.03	0	15.9	0	2	MASCOT	T	PLEX8
1.10E-01	0|0	Cs7g02290.1/Cs7g022	4.03	0	0	2	MASCOT	T	PLEX8	
2.64E-01	0|0	Cs7g02290.1/Cs7g022	5.38	0	0	2	MASCOT	T	PLEX8	
6.98E-03	0|0	Cs7g02290.1/Cs7g022	5.38	0	0	2	MASCOT	T	PLEX8	
1.54E-02	0|0	Cs7g02290.1/Cs7g022	4.09	0	0	2	MASCOT	T	PLEX8	
5.36E-02	0|0	Cs7g02290.1/Cs7g022	5.84	0	0	2	MASCOT	T		
1.09E-01	0|0	Cs7g07510.1/Cs7g075	5.4	0	0	2	MASCOT	T		
1.22E-01	0|0	Cs7g07510.1/Cs7g075	5.4	0	0	2	MASCOT	T	PLEX8	
1.65E-05	0|0	Cs7g07510.1/Cs7g075	4.14	0	0	2	MASCOT	T	PLEX8	
3.11E-01	0|0	Cs7g07510.1/Cs7g075	4.37	0	0	2	MASCOT	T	PLEX8	
4.51E-02	0|0	Cs7g07510.1/Cs7g075	4.53	0	0	2	MASCOT	T	PLEX8	
1.13E-03	0|0	Cs7g07510.1/Cs7g075	4.53	0	0	2	MASCOT	T	PLEX8	
1.18E-01	0|0	Cs7g07510.1/Cs7g075	4.14	0	0	2	MASCOT	T		
1.56E-02	0|0	Cs9g01990.1/Cs9g019	6.74	0	0	2	MASCOT	T		
2.54E-01	0|0	Cs9g01990.1/Cs9g019	6	0	0	2	MASCOT	T	PLEX8	
5.07E-02	0|0	Cs9g01990.1/Cs9g019	6	0	0	2	MASCOT	T	PLEX8	
7.87E-02	0|0	Cs9g01990.1/Cs9g019	6.79	0	0	2	MASCOT	T	PLEX8	
1.28E-02	0|0	Cs9g01990.1/Cs9g019	8.75	0	0	2	MASCOT	T	PLEX8	
5.77E-04	0|0	Cs9g01990.1/Cs9g019	8.75	0	0	2	MASCOT	T	PLEX8	
8.19E-04	0|0	Cs9g01990.1/Cs9g019	8.75	0	0	2	MASCOT	T		
1.49E-01	0|0	orange1.1t00296.1	8.8	0	0	2	MASCOT	T	PLEX8	
1.87E-05	0|0	orange1.1t00296.1/ora	4.21	0	0	2	MASCOT	T		
3.03E-03	0|0	orange1.1t00296.1/ora	4.21	0	0	2	MASCOT	T	PLEX8	
5.71E-03	0|0	orange1.1t00296.1/ora	4.21	0	0	2	MASCOT	T	PLEX8	
2.56E-02	0|0	orange1.1t00296.1/ora	4.21	0	0	2	MASCOT	T		
2.58E-02	0|0	orange1.1t00296.1	5.84	0	0	2	MASCOT	T	PLEX8	
1.87E-02	0|0	orange1.1t00296.1	5.84	0	0	2	MASCOT	T	PLEX8	

4.78E-04	0|0	orange1.1t00475.1/ora	4.03	0	0	2	MASCOT	T	PLEX8	
1.13E-02	0|0	orange1.1t00475.1/ora	5.88	0	0	2	MASCOT	T	PLEX8	
7.51E-02	0|0	orange1.1t00475.1/ora	4.03	0	0	2	MASCOT	T	PLEX8	
8.60E-04	0|0	orange1.1t00475.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
1.79E-03	0|0	orange1.1t00475.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
2.93E-02	0|0	orange1.1t00475.2/ora	4.37	0	0	2	MASCOT	T		
1.09E-02	0|0	orange1.1t00475.2/ora	4.37	0	0	2	MASCOT	T		
2.30E-03	0|0	orange1.1t01890.1/ora	8.63	0	0	2	MASCOT	T	PLEX8	
1.47E-02	0|0	orange1.1t01890.1/ora	8.63	0	0	2	MASCOT	T	PLEX8	
9.84E-04	0|0	orange1.1t01890.1	4.65	0	0	2	MASCOT	T	PLEX8	
6.01E-03	0|0	orange1.1t01890.1	5.82	0	0	2	MASCOT	T	PLEX8	
1.03E-02	0|0	orange1.1t01890.1	5.82	0	0	2	MASCOT	T	PLEX8	
2.25E-01	0|0	orange1.1t01890.1/ora	8.22	0	0	2	MASCOT	T	PLEX8	
1.29E-01	0|0	orange1.1t01890.1	5.84	0	0	2	MASCOT	T		
3.88E-03	0|0	Cs1g01600.1/Cs1g028	6	0	15.9	0	2	MASCOT	T	PLEX8
5.97E-02	0|0	Cs1g01600.1/Cs1g028	5.84	0	0	2	MASCOT	T	PLEX8	
2.82E-02	0|0	Cs1g02840.1/Cs1g028	4.53	0	0	2	MASCOT	T	PLEX8	
1.07E-02	0|0	Cs1g02840.1/Cs1g028	5.84	0	0	2	MASCOT	T	PLEX8	
2.65E-03	0|0	Cs1g02840.1/Cs1g028	4.25	0	0	2	MASCOT	T	PLEX8	
1.56E-02	0|0	Cs1g02840.1/Cs1g028	4.25	0	0	2	MASCOT	T	PLEX8	
3.48E-03	0|0	Cs3g26720.1 ! Cs1g26	5.83	0	0	2	MASCOT	T		
1.78E-02	0|0	Cs3g26720.1 ! Cs1g26	5.83	0	0	2	MASCOT	T		
5.88E-02	0|0	Cs1g26100.1/Cs1g261	4.37	0	0	2	MASCOT	T	PLEX8	
1.09E-01	0|0	Cs1g26600.1 ! Cs1g26	8.6	0	0	2	MASCOT	T		
1.36E-03	0|0	Cs1g26100.2/Cs1g261	6.75	0	15.9	0	2	MASCOT	T	
4.07E-04	0|0	Cs1g26100.1/Cs1g261	6	0	0	2	MASCOT	T		
8.91E-04	0|0	Cs2g19730.1/Cs2g197	6	0	0	2	MASCOT	T	PLEX8	
2.46E-03	0|0	Cs2g19730.1/Cs2g197	12	1	0	2	MASCOT	T		
7.39E-05	0|0	Cs2g19730.1/Cs2g197	4.03	0	0	2	MASCOT	T	PLEX8	
2.02E-04	0|0	Cs2g19730.1/Cs2g197	4.03	0	0	2	MASCOT	T	PLEX8	
1.93E-04	0|0	Cs2g19730.1/Cs2g197	5.4	0	0	2	MASCOT	T	PLEX8	
1.85E-01	0|0	Cs2g19730.1/Cs2g197	8.59	0	0	2	MASCOT	T		
2.02E-05	0|0	Cs3g21120.1	8.59	0	0	2	MASCOT	T	PLEX8	
3.21E-01	0|0	Cs3g21120.1	5.59	0	15.9	0	2	MASCOT	T	PLEX8
9.45E-02	0|0	Cs3g21120.1	6.75	0	15.9	0	2	MASCOT	T	PLEX8
2.27E-02	0|0	Cs3g21120.1	6.75	0	0	2	MASCOT	T	PLEX8	
1.32E-03	0|0	Cs3g21120.1	6	0	0	2	MASCOT	T	PLEX8	
1.12E-01	0|0	Cs3g21120.1	5.72	0	0	2	MASCOT	T	PLEX8	
8.99E-03	0|0	Cs4g12810.1	6.05	0	0	2	MASCOT	T	PLEX8	
2.05E-02	0|0	Cs4g12810.1	6.1	0	0	2	MASCOT	T		
6.15E-02	0|0	Cs4g12810.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.12E-01	0|0	Cs4g12810.1	4.53	0	0	2	MASCOT	T	PLEX8	
6.20E-02	0|0	Cs4g12810.1	6.75	0	0	2	MASCOT	T	PLEX8	
2.07E-01	0|0	Cs4g12810.1	5.97	0	0	2	MASCOT	T	PLEX8	
3.56E-05	0|0	Cs5g14800.1/Cs5g148	4.14	0	0	2	MASCOT	T	PLEX8	
3.30E-01	0|0	Cs5g14800.1/Cs5g148	4.75	0	0	2	MASCOT	T	PLEX8	
1.85E-02	0|0	Cs5g14800.1/Cs5g148	5.99	0	0	2	MASCOT	T	PLEX8	
6.59E-03	0|0	Cs5g14880.1	4.53	0	0	2	MASCOT	T		
3.57E-01	0|0	Cs5g14800.2/Cs5g148	8.73	0	0	2	MASCOT	T	PLEX8	
6.71E-02	0|0	Cs5g14800.2/Cs5g148	8.73	0	0	2	MASCOT	T	PLEX8	
2.34E-01	0|0	Cs5g22920.1	8.22	0	0	2	MASCOT	T	PLEX8	

3.72E-02	0|0	Cs5g22920.1	4.53	0	0	2	MASCOT	T	
7.16E-02	0|0	Cs5g22920.1	4.53	0	0	2	MASCOT	T	
3.47E-02	0|0	Cs5g22910.1/Cs5g229	6.74	0	0	2	MASCOT	T	PLEX8
7.60E-03	0|0	Cs5g22910.1/Cs5g229	4.37	0	0	2	MASCOT	T	PLEX8
1.49E-01	0|0	Cs5g22910.1/Cs5g229	6.47	0	0	2	MASCOT	T	
2.80E-01	0|0	Cs5g23180.1/Cs5g231	4.53	0	0	2	MASCOT	T	PLEX8
1.69E-02	0|0	Cs5g23180.1/Cs5g231	5.32	0	0	2	MASCOT	T	
1.91E-02	0|0	Cs5g23180.1/Cs5g231	5.84	0	0	2	MASCOT	T	
9.83E-05	0|0	Cs5g23180.1/Cs5g231	5.84	0	0	2	MASCOT	T	
1.02E-01	0|0	Cs5g23180.1/Cs5g231	9.75	0	0	2	MASCOT	T	PLEX8
8.46E-02	0|0	Cs5g23180.1/Cs5g231	4.37	0	0	2	MASCOT	T	PLEX8
9.82E-04	0|0	Cs5g23630.1	4.25	0	0	2	MASCOT	T	
4.26E-04	0|0	Cs5g23630.1	4.37	0	0	2	MASCOT	T	PLEX8
4.97E-01	0|0	Cs5g23630.1	10.84	0	0	2	MASCOT	T	PLEX8
4.68E-02	0|0	Cs5g23630.1	4.03	0	0	2	MASCOT	T	PLEX8
5.73E-02	0|0	Cs5g23630.1	8.59	0	0	2	MASCOT	T	PLEX8
6.63E-03	0|0	Cs5g23630.1	8.59	0	0	2	MASCOT	T	PLEX8
7.47E-04	0|0	Cs5g26590.1	4.37	0	0	2	MASCOT	T	PLEX8
2.14E-02	0|0	Cs5g26590.1	8.75	0	0	2	MASCOT	T	PLEX8
1.55E-01	0|0	Cs5g26590.1	8.75	0	0	2	MASCOT	T	PLEX8
7.70E-02	0|0	Cs5g26590.1	5.84	0	0	2	MASCOT	T	PLEX8
8.59E-03	0|0	Cs5g26590.1	4.37	0	0	2	MASCOT	T	
3.60E-02	0|0	Cs5g26590.1	4.21	0	0	2	MASCOT	T	PLEX8
1.44E-03	0|0	Cs5g32630.1	4.53	0	0	2	MASCOT	T	PLEX8
3.99E-03	0|0	Cs5g32630.1	4.53	0	0	2	MASCOT	T	PLEX8
4.01E-03	0|0	Cs5g32630.1/Cs5g326	4.14	0	0	2	MASCOT	T	
1.08E-03	0|0	Cs5g32630.1/Cs5g326	4.09	0	0	2	MASCOT	T	PLEX8
2.00E-01	0|0	Cs5g32630.1	5.66	0	0	2	MASCOT	T	PLEX8
1.98E-01	0|0	Cs5g32630.1/Cs5g326	6.72	0	0	2	MASCOT	T	
3.55E-02	0|0	Cs6g02040.1/Cs6g097	8.79	0	0	2	MASCOT	T	
2.00E-02	0|0	Cs6g02040.1/Cs6g097	8.79	0	0	2	MASCOT	T	
6.00E-02	0|0	Cs6g02040.1/Cs6g097	6	0	0	2	MASCOT	T	PLEX8
1.77E-01	0|0	Cs6g02040.1	5.5	0	0	2	MASCOT	T	PLEX8
2.38E-02	0|0	Cs6g02040.1/Cs6g097	4.37	0	0	2	MASCOT	T	PLEX8
3.19E-01	0|0	Cs6g02040.1/Cs6g020	8.22	0	0	2	MASCOT	T	PLEX8
1.44E-03	0|0	Cs6g02430.1	6.1	0	0	2	MASCOT	T	PLEX8
1.52E-02	0|0	Cs6g02430.1	5.84	0	0	2	MASCOT	T	PLEX8
7.97E-03	0|0	Cs6g02430.1	5.84	0	0	2	MASCOT	T	PLEX8
1.34E-01	0|0	Cs6g02430.1	4.53	0	0	2	MASCOT	T	PLEX8
7.53E-03	0|0	Cs6g02430.1	6.75	0	0	2	MASCOT	T	PLEX8
3.14E-01	0|0	Cs6g02430.1	6	0	0	2	MASCOT	T	PLEX8
8.63E-04	0|0	Cs6g16180.1/Cs6g161	5.88	0	0	2	MASCOT	T	PLEX8
8.50E-02	0|0	Cs6g16180.1/Cs6g161	5.32	0	0	2	MASCOT	T	PLEX8
4.92E-02	0|0	Cs6g16180.1/Cs6g161	5.32	0	0	2	MASCOT	T	PLEX8
1.96E-01	0|0	Cs6g16180.1/Cs6g161	4.25	0	0	2	MASCOT	T	PLEX8
5.35E-04	0|0	Cs6g16180.1/Cs6g161	4	0	0	2	MASCOT	T	PLEX8
1.45E-01	0|0	Cs6g16180.1/Cs6g161	6	0	0	2	MASCOT	T	PLEX8
3.53E-01	0|0	Cs6g21970.1/Cs6g219	5.72	0	0	2	MASCOT	T	PLEX8
1.80E-02	0|0	Cs6g21970.2/Cs6g219	4.37	0	0	2	MASCOT	T	
1.53E-03	0|0	Cs6g21970.2/Cs6g219	4.37	0	0	2	MASCOT	T	
5.07E-02	0|0	Cs6g21970.1/Cs6g219	3.83	0	0	2	MASCOT	T	PLEX8

4.09E-03	0|0	Cs6g21970.1/Cs6g219	4.53	0	0	2	MASCOT	T	PLEX8	
1.73E-01	0|0	Cs6g21970.1/Cs6g219	6	0	0	2	MASCOT	T		
3.07E-01	0|0	Cs7g17770.1/Cs7g177	8.5	0	0	2	MASCOT	T	PLEX8	
1.47E-01	0|0	Cs7g17700.1/Cs7g177	9.75	0	0	2	MASCOT	T	PLEX8	
8.24E-02	0|0	Cs7g17700.1/Cs7g177	9.75	0	0	2	MASCOT	T	PLEX8	
1.52E-02	0|0	Cs2g16160.1/Cs7g177	4.53	0	0	2	MASCOT	T	PLEX8	
8.86E-04	0|0	Cs7g17770.1/Cs7g177	6.05	0	0	2	MASCOT	T	PLEX8	
2.33E-03	0|0	Cs7g17770.1/Cs7g177	8.72	0	0	2	MASCOT	T	PLEX8	
1.11E-01	0|0	Cs7g21670.1	6.1	0	0	2	MASCOT	T	PLEX8	
4.05E-03	0|0	Cs7g21670.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.00E-02	0|0	Cs7g21670.1	4.53	0	0	2	MASCOT	T	PLEX8	
6.25E-02	0|0	Cs7g21670.1	4.53	0	0	2	MASCOT	T	PLEX8	
2.13E-07	0|0	Cs7g21670.1	4.17	0	0	2	MASCOT	T	PLEX8	
2.57E-04	0|0	Cs7g21670.1	4.17	0	0	2	MASCOT	T		
5.52E-02	0|0	Cs7g25990.1/Cs7g259	4.37	0	0	2	MASCOT	T	PLEX8	
2.71E-01	0|0	Cs7g25990.1/Cs7g259	8.31	0	0	2	MASCOT	T	PLEX8	
2.18E-02	0|0	Cs7g25990.1/Cs7g259	5.84	0	0	2	MASCOT	T	PLEX8	
2.06E-01	0|0	Cs7g25990.1/Cs7g259	5.84	0	0	2	MASCOT	T		
1.17E-01	0|0	Cs7g25990.1/Cs7g259	5.84	0	0	2	MASCOT	T		
2.13E-01	0|0	Cs7g25990.1/Cs7g259	6.74	0	0	2	MASCOT	T		
2.00E-02	0|0	Cs8g05340.1/Cs8g053	8.59	0	0	2	MASCOT	T	PLEX8	
1.23E-01	0|0	Cs8g05340.1/Cs8g053	8.59	0	0	2	MASCOT	T	PLEX8	
1.59E-02	0|0	Cs8g05340.1/Cs8g053	8.22	0	0	2	MASCOT	T	PLEX8	
5.25E-03	0|0	Cs8g05340.1/Cs8g053	8.75	0	0	2	MASCOT	T	PLEX8	
1.53E-01	0|0	Cs8g05340.1/Cs8g053	8.47	0	0	2	MASCOT	T	PLEX8	
2.65E-01	0|0	Cs8g05340.1/Cs8g053	5.81	0	0	2	MASCOT	T	PLEX8	
4.19E-01	0|0	Cs9g02230.1/Cs9g022	4.14	0	0	2	MASCOT	T	PLEX8	
1.17E-01	0|0	Cs9g02230.1/Cs9g022	8.75	0	0	2	MASCOT	T	PLEX8	
1.35E-03	0|0	Cs9g02230.1/Cs9g022	4.21	0	15.9	0	2	MASCOT	T	
1.06E-01	0|0	Cs9g02230.1/Cs9g022	9.73	0	0	2	MASCOT	T	PLEX8	
1.80E-02	0|0	Cs9g02230.1/Cs9g022	4.14	0	0	2	MASCOT	T		
2.95E-03	0|0	Cs9g02230.1/Cs9g022	4.14	0	0	2	MASCOT	T		
1.17E-03	0|0	Cs5g26780.1/Cs5g267	6.05	0	0	2	MASCOT	T		
1.72E-01	0|0	Cs9g03090.1	5.88	0	0	2	MASCOT	T	PLEX8	
5.76E-02	0|0	Cs5g26780.1/Cs5g267	5.4	0	0	2	MASCOT	T	PLEX8	
1.92E-02	0|0	Cs5g26780.1/Cs5g267	5.4	0	0	2	MASCOT	T		
1.47E-01	0|0	Cs9g03090.1	5.83	0	0	2	MASCOT	T	PLEX8	
2.85E-02	0|0	Cs9g03090.1	6.47	0	0	2	MASCOT	T	PLEX8	
1.74E-02	0|0	Cs9g05370.1	5.88	0	0	2	MASCOT	T		
6.43E-02	0|0	Cs9g05370.1	8.59	0	0	2	MASCOT	T	PLEX8	
2.19E-03	0|0	Cs9g05370.1	4.03	0	0	2	MASCOT	T		
8.90E-05	0|0	Cs9g05370.1	4.37	0	0	2	MASCOT	T	PLEX8	
2.22E-03	0|0	Cs9g05370.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.36E-02	0|0	Cs9g05370.1	4.65	0	0	2	MASCOT	T	PLEX8	
1.37E-01	0|0	Cs3g21800.1/Cs9g069	8.75	0	15.9	0	2	MASCOT	T	PLEX8
7.70E-01	0|0	Cs3g21800.1/Cs9g069	8.41	0	0	2	MASCOT	T	PLEX8	
2.85E-04	0|0	Cs3g21800.1 ! Cs9g06	5.84	0	0	2	MASCOT	T	PLEX8	
5.89E-01	0|0	Cs3g21800.1/Cs9g069	8.22	0	0	2	MASCOT	T	PLEX8	
2.02E-01	0|0	Cs3g21800.1/Cs9g069	5.81	0	0	2	MASCOT	T	PLEX8	
5.64E-02	0|0	Cs3g21800.1/Cs9g069	5.81	0	0	2	MASCOT	T	PLEX8	
9.51E-02	0|0	Cs9g16090.1	4.53	0	0	2	MASCOT	T	PLEX8	

7.19E-02	0|0	Cs5g09790.1/Cs9g160	4.14	0	0	2	MASCOT	T	PLEX8	
3.68E-01	0|0	Cs9g16090.1	5.84	0	0	2	MASCOT	T	PLEX8	
1.85E-01	0|0	Cs9g16090.1	5.84	0	0	2	MASCOT	T	PLEX8	
1.97E-01	0|0	Cs9g16090.1	6.41	0	0	2	MASCOT	T	PLEX8	
1.28E-01	0|0	Cs9g16090.1	6.41	0	0	2	MASCOT	T	PLEX8	
1.38E-02	0|0	orange1.1t00362.1	6.74	0	0	2	MASCOT	T	PLEX8	
2.57E-03	0|0	orange1.1t00362.1	6.41	0	0	2	MASCOT	T	PLEX8	
3.21E-03	0|0	orange1.1t00362.1	6.41	0	0	2	MASCOT	T	PLEX8	
2.32E-02	0|0	orange1.1t00362.1	8.75	0	0	2	MASCOT	T	PLEX8	
5.71E-05	0|0	orange1.1t00362.1	4.65	0	0	2	MASCOT	T	PLEX8	
1.80E-02	0|0	orange1.1t00362.1	12	1	0	2	MASCOT	T		
2.62E-01	0|0	orange1.1t03769.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
7.74E-02	0|0	orange1.1t03773.1/ora	6.85	0	0	2	MASCOT	T	PLEX8	
6.54E-02	0|0	orange1.1t03773.1/ora	6.85	0	0	2	MASCOT	T		
2.14E-02	0|0	orange1.1t03775.1/ora	4.14	0	0	2	MASCOT	T		
5.32E-02	0|0	orange1.1t03775.1/ora	8.75	0	0	2	MASCOT	T	PLEX8	
8.65E-04	0|0	orange1.1t03773.1 ! or	6	0	15.9	0	2	MASCOT	T	PLEX8
1.57E-01	0|0	Cs2g02540.1/Cs2g025	4.37	0	0	2	MASCOT	T	PLEX8	
7.37E-05	0|0	Cs2g02540.1/Cs2g025	4.03	0	0	2	MASCOT	T		
2.57E-01	0|0	Cs2g02540.1/Cs2g025	6	0	0	2	MASCOT	T	PLEX8	
7.12E-03	0|0	Cs2g02540.1/Cs2g025	6.74	0	0	2	MASCOT	T	PLEX8	
4.09E-03	0|0	Cs2g02540.1/Cs2g025	6.74	0	0	2	MASCOT	T	PLEX8	
9.97E-02	0|0	Cs3g16430.1/Cs3g164	8.63	0	0	2	MASCOT	T	PLEX8	
1.74E-01	0|0	Cs3g02530.1/Cs3g025	6.75	0	0	2	MASCOT	T	PLEX8	
6.47E-04	0|0	Cs3g16430.1/Cs3g164	4.53	0	0	2	MASCOT	T	PLEX8	
1.16E-02	0|0	Cs3g16430.1/Cs3g164	8.8	0	0	2	MASCOT	T	PLEX8	
3.58E-02	0|0	Cs3g16430.1/Cs3g164	4.14	0	0	2	MASCOT	T	PLEX8	
2.42E-03	0|0	Cs1g24340.1 ! Cs3g25	4	0	0	2	MASCOT	T	PLEX8	
2.10E-02	0|0	Cs3g25040.1	9.76	0	15.9	0	2	MASCOT	T	
1.59E-01	0|0	Cs1g24340.1/Cs3g250	6	0	0	2	MASCOT	T	PLEX8	
4.52E-04	0|0	Cs1g24340.1/Cs3g250	4.32	1	0	2	MASCOT	T	PLEX8	
2.67E-02	0|0	Cs1g24340.1/Cs3g250	5.5	0	0	2	MASCOT	T	PLEX8	
4.42E-02	0|0	Cs4g13610.1	6.79	0	0	2	MASCOT	T		
1.97E-01	0|0	Cs4g13610.1	4.48	0	0	2	MASCOT	T		
3.27E-02	0|0	Cs4g13610.1	3.92	0	0	2	MASCOT	T		
5.76E-02	0|0	Cs4g13610.1	8.75	0	0	2	MASCOT	T		
1.47E-01	0|0	Cs4g13610.1	4.31	0	0	2	MASCOT	T	PLEX8	
9.59E-02	0|0	Cs5g19210.1/Cs5g192	8.8	0	0	2	MASCOT	T	PLEX8	
1.36E-01	0|0	Cs5g19210.1/Cs5g192	4.37	0	0	2	MASCOT	T	PLEX8	
8.57E-02	0|0	Cs5g19210.1/Cs5g192	9.47	0	0	2	MASCOT	T	PLEX8	
1.67E-01	0|0	Cs5g19210.1/Cs5g192	9.8	0	0	2	MASCOT	T	PLEX8	
1.50E-04	0|0	Cs5g19210.1/Cs5g192	8.47	0	0	2	MASCOT	T	PLEX8	
8.84E-03	0|0	Cs7g32240.1	5.83	0	0	2	MASCOT	T	PLEX8	
6.36E-02	0|0	Cs7g32240.1	6.74	0	0	2	MASCOT	T	PLEX8	
2.38E-03	0|0	Cs7g32240.1	5.55	0	0	2	MASCOT	T	PLEX8	
7.32E-02	0|0	Cs7g32240.1	5.21	0	0	2	MASCOT	T		
2.34E-01	0|0	Cs7g32240.1	8.59	0	0	2	MASCOT	T	PLEX8	
3.10E-01	0|0	Cs9g08590.1/Cs9g085	6.85	0	0	2	MASCOT	T	PLEX8	
3.35E-01	0|0	Cs9g08590.1/Cs9g085	4.37	0	0	2	MASCOT	T	PLEX8	
2.89E-02	0|0	Cs9g08590.1/Cs9g085	4.56	1	0	2	MASCOT	T		
9.99E-02	0|0	Cs9g08590.1/Cs9g085	4.53	0	0	2	MASCOT	T	PLEX8	

8.34E-02	0|0	Cs9g08590.1/Cs9g085	4.37	0	0	2	MASCOT	T	
3.84E-02	0|0	orange1.1t00331.1	8.8	0	0	2	MASCOT	T	PLEX8
2.24E-03	0|0	orange1.1t00331.1	4.4	0	0	2	MASCOT	T	PLEX8
3.88E-01	0|0	orange1.1t00331.1	8.75	0	0	2	MASCOT	T	PLEX8
5.99E-03	0|0	orange1.1t00331.1	4.31	0	0	2	MASCOT	T	PLEX8
1.57E-04	0|0	orange1.1t00331.1	5.81	0	0	2	MASCOT	T	
1.98E-01	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
9.52E-02	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
3.46E-02	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
4.95E-04	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
5.77E-03	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
6.20E-02	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
5.19E-03	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
1.06E-02	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
1.47E-02	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
3.53E-02	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
2.82E-03	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
9.89E-02	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
2.79E-01	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
3.94E-01	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
4.10E-02	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
1.25E-02	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
8.66E-02	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
1.54E-01	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
3.22E-02	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
2.26E-02	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
6.83E-03	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
5.81E-01	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
6.73E-02	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
1.94E-02	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
1.83E-03	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
1.03E-03	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
1.09E-03	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
5.54E-01	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	
7.57E-03	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
3.72E-02	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
1.96E-02	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
3.97E-02	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
1.32E-02	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
1.70E-01	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
5.19E-01	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
1.34E-01	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
4.69E-01	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	
5.85E-01	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
8.79E-02	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
4.43E-04	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
1.67E-02	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
5.16E-04	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
3.78E-03	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
3.95E-04	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8
6.84E-03	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8

1.58E-01	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8	
4.04E-02	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8	
1.43E-01	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8	
5.29E-03	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8	
9.20E-03	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8	
1.23E-02	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8	
1.53E-02	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8	
9.53E-03	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T	PLEX8	
9.18E-02	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T		
9.16E-02	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T		
1.57E-03	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T		
5.04E-01	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T		
3.72E-02	0|0	Cs2g13410.1/Cs8g087	8.8	0	0	2	MASCOT	T		
1.20E-01	0|0	Cs8g08710.2/Cs8g087	8.27	0	0	2	MASCOT	T	PLEX8	
1.11E-01	0|0	Cs8g08710.1/Cs8g087	6.1	0	0	2	MASCOT	T	PLEX8	
1.43E-01	0|0	Cs8g08710.1/Cs8g087	6.1	0	0	2	MASCOT	T	PLEX8	
8.41E-02	0|0	Cs8g08710.1/Cs8g087	6.1	0	0	2	MASCOT	T	PLEX8	
1.12E-02	0|0	Cs8g08710.1/Cs8g087	4.53	0	0	2	MASCOT	T		
1.13E-02	0|0	Cs8g08710.1/Cs8g087	4.53	0	0	2	MASCOT	T		
7.02E-05	0|0	Cs7g08910.1/Cs7g089	4.65	0	15.9	0	2	MASCOT	T	PLEX8
1.42E-03	0|0	Cs7g08910.1/Cs7g089	4.65	0	15.9	0	2	MASCOT	T	
1.70E-01	0|0	Cs4g11150.1/Cs4g111	4.37	0	0	2	MASCOT	T	PLEX8	
3.50E-02	0|0	Cs4g11150.1/Cs4g111	4.37	0	0	2	MASCOT	T	PLEX8	
1.29E-01	0|0	Cs4g11150.1/Cs4g111	4.37	0	0	2	MASCOT	T	PLEX8	
1.89E-01	0|0	Cs4g11150.1/Cs4g111	4.37	0	0	2	MASCOT	T		
7.91E-02	0|0	Cs4g11150.1/Cs4g111	4.37	0	0	2	MASCOT	T		
7.54E-02	0|0	Cs4g11150.1/Cs4g111	4.37	0	0	2	MASCOT	T		
5.84E-02	0|0	Cs1g22440.1/Cs4g111	6.85	0	0	2	MASCOT	T	PLEX8	
1.20E-02	0|0	Cs1g22440.1/Cs4g111	6.85	0	0	2	MASCOT	T	PLEX8	
2.50E-03	0|0	Cs1g22440.1/Cs4g111	6.85	0	0	2	MASCOT	T	PLEX8	
4.87E-02	0|0	Cs1g22440.1/Cs4g111	6.85	0	0	2	MASCOT	T	PLEX8	
2.71E-03	0|0	Cs1g22440.1/Cs4g111	6.85	0	0	2	MASCOT	T	PLEX8	
4.18E-02	0|0	Cs1g22440.1/Cs4g111	6.85	0	0	2	MASCOT	T	PLEX8	
1.02E-02	0|0	Cs1g22440.1/Cs4g111	6.85	0	0	2	MASCOT	T	PLEX8	
2.35E-02	0|0	Cs1g22440.1/Cs4g111	6.85	0	0	2	MASCOT	T	PLEX8	
2.60E-01	0|0	Cs1g22440.1/Cs4g111	6.85	0	0	2	MASCOT	T	PLEX8	
4.88E-03	0|0	Cs1g22440.1/Cs4g111	6.85	0	0	2	MASCOT	T	PLEX8	
3.07E-01	0|0	Cs1g22440.1/Cs4g111	5.5	0	0	2	MASCOT	T	PLEX8	
1.19E-01	0|0	Cs1g22440.1/Cs4g111	5.5	0	0	2	MASCOT	T	PLEX8	
3.06E-02	0|0	Cs1g22440.1/Cs4g111	5.5	0	0	2	MASCOT	T	PLEX8	
2.35E-02	0|0	Cs1g22440.1/Cs4g111	5.5	0	0	2	MASCOT	T	PLEX8	
2.07E-02	0|0	Cs1g22440.1/Cs4g111	5.5	0	0	2	MASCOT	T	PLEX8	
1.70E-01	0|0	Cs1g22440.1/Cs4g111	5.5	0	0	2	MASCOT	T	PLEX8	
3.31E-02	0|0	Cs1g22440.1/Cs4g111	5.5	0	0	2	MASCOT	T	PLEX8	
1.34E-01	0|0	Cs1g22440.1/Cs4g111	5.5	0	0	2	MASCOT	T	PLEX8	
2.84E-04	0|0	Cs5g08610.1	8.25	0	0	2	MASCOT	T	PLEX8	
9.94E-04	0|0	Cs5g08610.1	8.25	0	0	2	MASCOT	T	PLEX8	
2.81E-05	0|0	Cs5g08610.1	8.25	0	0	2	MASCOT	T		
1.45E-01	0|0	Cs5g08610.1	8.25	0	0	2	MASCOT	T		
1.87E-06	0|0	Cs5g08610.1	5.4	0	0	2	MASCOT	T	PLEX8	
5.29E-03	0|0	Cs5g08610.1	5.4	0	0	2	MASCOT	T	PLEX8	

1.47E-07	0|0	Cs5g08610.1	5.4	0	0	2 MASCOT	T	PLEX8
1.88E-07	0|0	Cs5g08610.1	5.4	0	0	2 MASCOT	T	PLEX8
4.37E-04	0|0	Cs5g08610.1	5.4	0	0	2 MASCOT	T	PLEX8
4.13E-04	0|0	Cs5g08610.1	5.4	0	0	2 MASCOT	T	PLEX8
3.56E-04	0|0	Cs5g08610.1	5.4	0	0	2 MASCOT	T	
5.01E-03	0|0	Cs5g08610.1	5.4	0	0	2 MASCOT	T	
1.17E-01	0|0	Cs5g08610.1	5.4	0	0	2 MASCOT	T	PLEX8
1.56E-09	0|0	Cs5g08610.1	5.4	0	0	2 MASCOT	T	PLEX8
5.44E-03	0|0	Cs5g08610.1	5.4	0	0	2 MASCOT	T	
3.26E-04	0|0	Cs5g08610.1	5.4	0	0	2 MASCOT	T	
3.62E-08	0|0	Cs5g08610.1	5.4	0	0	2 MASCOT	T	
1.09E-03	0|0	Cs5g08610.1	5.4	0	0	2 MASCOT	T	
7.28E-03	0|0	Cs5g08610.1	4.14	0	0	2 MASCOT	T	PLEX8
7.65E-02	0|0	Cs5g08610.1	8.76	0	0	2 MASCOT	T	PLEX8
7.44E-02	0|0	Cs5g08610.1	8.76	0	0	2 MASCOT	T	PLEX8
2.42E-01	0|0	Cs5g08610.1	8.76	0	0	2 MASCOT	T	PLEX8
5.94E-02	0|0	Cs5g08610.1	8.76	0	0	2 MASCOT	T	
1.76E-01	0|0	Cs5g03830.1/Cs5g038	4.37	0	0	2 MASCOT	T	PLEX8
2.44E-01	0|0	Cs5g03830.1/Cs5g038	4.37	0	0	2 MASCOT	T	PLEX8
2.34E-01	0|0	Cs5g03830.1/Cs5g038	4.37	0	0	2 MASCOT	T	PLEX8
9.29E-02	0|0	Cs5g03830.1/Cs5g038	4.37	0	0	2 MASCOT	T	PLEX8
2.76E-01	0|0	Cs5g03830.1/Cs5g038	4.37	0	0	2 MASCOT	T	PLEX8
1.52E-01	0|0	Cs5g03830.1/Cs5g038	4.37	0	0	2 MASCOT	T	PLEX8
3.53E-01	0|0	Cs5g03830.1/Cs5g038	4.37	0	0	2 MASCOT	T	PLEX8
8.43E-02	0|0	Cs5g03830.1/Cs5g038	4.37	0	0	2 MASCOT	T	PLEX8
2.38E-01	0|0	Cs5g03830.1/Cs5g038	4.37	0	0	2 MASCOT	T	PLEX8
4.34E-01	0|0	Cs5g03830.1/Cs5g038	4.37	0	0	2 MASCOT	T	PLEX8
2.61E-01	0|0	Cs5g03830.1/Cs5g038	4.37	0	0	2 MASCOT	T	PLEX8
2.48E-01	0|0	Cs5g03830.1/Cs5g038	4.37	0	0	2 MASCOT	T	PLEX8
6.38E-02	0|0	Cs5g03830.1/Cs5g038	4.37	0	0	2 MASCOT	T	PLEX8
1.02E-02	0|0	orange1.1t03689.1	4.53	0	0	2 MASCOT	T	PLEX8
3.73E-01	0|0	orange1.1t03689.1 ! C:	5.55	0	0	2 MASCOT	T	PLEX8
1.42E-02	0|0	orange1.1t03689.1 ! C:	5.55	0	0	2 MASCOT	T	PLEX8
1.55E-01	0|0	orange1.1t03689.1 ! C:	5.55	0	0	2 MASCOT	T	PLEX8
1.72E-01	0|0	orange1.1t03689.1 ! C:	5.55	0	0	2 MASCOT	T	PLEX8
7.48E-02	0|0	orange1.1t03689.1 ! C:	5.55	0	0	2 MASCOT	T	PLEX8
1.61E-02	0|0	orange1.1t03689.1 ! C:	5.55	0	0	2 MASCOT	T	PLEX8
1.58E-01	0|0	orange1.1t03689.1 ! C:	5.55	0	0	2 MASCOT	T	PLEX8
2.10E-01	0|0	orange1.1t03689.1 ! C:	5.55	0	0	2 MASCOT	T	
1.21E-02	0|0	orange1.1t03689.1	8.72	0	0	2 MASCOT	T	PLEX8
1.11E-01	0|0	Cs2g03620.1	3.84	0	0	2 MASCOT	T	PLEX8
5.62E-03	0|0	Cs2g03620.1	3.84	0	0	2 MASCOT	T	PLEX8
1.93E-07	0|0	Cs2g03620.1	3.84	0	0	2 MASCOT	T	PLEX8
1.01E-05	0|0	Cs2g03620.1	3.84	0	0	2 MASCOT	T	
6.60E-05	0|0	Cs2g03620.1	3.84	0	0	2 MASCOT	T	
1.35E-03	0|0	Cs2g03620.1	3.84	0	0	2 MASCOT	T	
3.22E-03	0|0	Cs2g03620.1	4.37	0	0	2 MASCOT	T	PLEX8
7.01E-04	0|0	Cs2g03620.1	4.37	0	0	2 MASCOT	T	PLEX8
2.94E-04	0|0	Cs2g03620.1	4.37	0	0	2 MASCOT	T	PLEX8
3.51E-01	0|0	Cs2g03620.1	4.37	0	0	2 MASCOT	T	PLEX8
1.70E-01	0|0	Cs2g03620.1	4.37	0	0	2 MASCOT	T	PLEX8

1.61E-01 0|0	Cs2g03620.1	4.37	0	0	2 MASCOT	T	PLEX8
5.50E-04 0|0	Cs2g03620.1	4.37	0	0	2 MASCOT	T	PLEX8
1.51E-01 0|0	Cs2g03620.1	4.37	0	0	2 MASCOT	T	
7.48E-03 0|0	Cs2g03620.1	4.37	0	0	2 MASCOT	T	PLEX8
3.26E-02 0|0	Cs2g03620.1	4.37	0	0	2 MASCOT	T	PLEX8
6.47E-02 0|0	Cs2g03620.1	5.95	1	0	2 MASCOT	T	
2.70E-01 0|0	Cs2g03620.1	8.2	0	0	2 MASCOT	T	PLEX8
7.12E-02 0|0	Cs2g03620.1	8.2	0	0	2 MASCOT	T	PLEX8
1.53E-02 0|0	Cs2g03620.1	8.2	0	0	2 MASCOT	T	
3.40E-01 0|0	Cs4g05780.1	5.88	0 15.9	0	2 MASCOT	T	PLEX8
9.75E-02 0|0	Cs4g05780.1	5.88	0 15.9	0	2 MASCOT	T	PLEX8
4.61E-02 0|0	Cs4g05780.1	5.88	0 15.9	0	2 MASCOT	T	PLEX8
1.95E-02 0|0	Cs4g05780.1	5.88	0 15.9	0	2 MASCOT	T	PLEX8
5.02E-02 0|0	Cs4g05780.1	5.88	0 15.9	0	2 MASCOT	T	PLEX8
9.97E-03 0|0	Cs4g05780.1	5.88	0	0	2 MASCOT	T	PLEX8
1.15E-01 0|0	Cs4g05780.1	5.88	0	0	2 MASCOT	T	PLEX8
2.31E-04 0|0	Cs4g05780.1	5.88	0	0	2 MASCOT	T	PLEX8
1.64E-02 0|0	Cs4g05780.1	5.88	0	0	2 MASCOT	T	PLEX8
7.41E-03 0|0	Cs4g05780.1	5.88	0	0	2 MASCOT	T	PLEX8
1.75E-01 0|0	Cs4g05780.1	5.88	0	0	2 MASCOT	T	PLEX8
2.67E-03 0|0	Cs4g05780.1	5.88	0	0	2 MASCOT	T	PLEX8
9.37E-02 0|0	Cs4g05780.1	5.88	0	0	2 MASCOT	T	PLEX8
1.05E-01 0|0	Cs4g05780.1	6	0	0	2 MASCOT	T	PLEX8
7.53E-03 0|0	Cs4g05780.1	9.47	0	0	2 MASCOT	T	PLEX8
2.23E-01 0|0	Cs4g05780.1	9.47	0	0	2 MASCOT	T	PLEX8
7.79E-03 0|0	Cs4g05780.1	9.47	0	0	2 MASCOT	T	PLEX8
3.04E-05 0|0	Cs4g05780.1	3.92	0	0	2 MASCOT	T	PLEX8
2.19E-01 0|0	Cs4g05780.1	3.92	0	0	2 MASCOT	T	PLEX8
1.32E-01 0|0	Cs4g03580.1/Cs4g035	4.37	0 15.9	0	2 MASCOT	T	PLEX8
1.59E-01 0|0	Cs4g03580.1/Cs4g035	4.37	0 15.9	0	2 MASCOT	T	PLEX8
2.09E-01 0|0	Cs4g03580.1/Cs4g035	4.37	0	0	2 MASCOT	T	PLEX8
1.80E-01 0|0	Cs4g03580.1/Cs4g035	4.37	0	0	2 MASCOT	T	
1.28E-01 0|0	Cs4g03580.1/Cs4g035	8.22	0 15.9	0	2 MASCOT	T	PLEX8
2.71E-01 0|0	Cs4g03580.1/Cs4g035	8.22	0 15.9	0	2 MASCOT	T	PLEX8
1.74E-01 0|0	Cs4g03580.1/Cs4g035	8.22	0 15.9	0	2 MASCOT	T	PLEX8
1.66E-01 0|0	Cs4g03580.1/Cs4g035	8.22	0 15.9	0	2 MASCOT	T	PLEX8
1.56E-01 0|0	Cs4g03580.1/Cs4g035	8.22	0	0	2 MASCOT	T	PLEX8
7.93E-02 0|0	Cs4g03580.1/Cs4g035	8.22	0	0	2 MASCOT	T	PLEX8
5.48E-02 0|0	Cs4g03580.1/Cs4g035	8.41	0	0	2 MASCOT	T	PLEX8
1.26E-01 0|0	Cs4g03580.1/Cs4g035	8.41	0	0	2 MASCOT	T	PLEX8
5.67E-02 0|0	Cs4g03580.1/Cs4g035	8.41	0	0	2 MASCOT	T	PLEX8
3.31E-02 0|0	Cs4g03580.1/Cs4g035	8.22	0	0	2 MASCOT	T	PLEX8
3.49E-02 0|0	Cs4g03580.1/Cs4g035	8.22	0	0	2 MASCOT	T	PLEX8
1.94E-01 0|0	Cs4g03580.1/Cs4g035	8.22	0	0	2 MASCOT	T	PLEX8
2.70E-02 0|0	Cs4g03580.1/Cs4g035	8.22	0	0	2 MASCOT	T	PLEX8
1.12E-02 0|0	Cs4g03580.1/Cs4g035	8.22	0	0	2 MASCOT	T	PLEX8
2.64E-01 0|0	Cs1g04030.1/Cs1g040	4.37	0 15.9	0	2 MASCOT	T	PLEX8
3.38E-03 0|0	Cs1g04030.1/Cs1g040	4.37	0 15.9	0	2 MASCOT	T	PLEX8
3.64E-02 0|0	Cs1g04030.1/Cs1g040	4.37	0 15.9	0	2 MASCOT	T	PLEX8
4.55E-02 0|0	Cs1g04030.1/Cs1g040	4.37	0	0	2 MASCOT	T	PLEX8
4.90E-02 0|0	Cs1g04030.1/Cs1g040	4.37	0	0	2 MASCOT	T	PLEX8

7.97E-02	0|0	Cs1g04030.1/Cs1g040	4.25	0	0	2	MASCOT	T	PLEX8
5.46E-02	0|0	Cs1g04030.1/Cs1g040	4.25	0	0	2	MASCOT	T	PLEX8
2.85E-01	0|0	Cs1g04030.1/Cs1g040	4.25	0	0	2	MASCOT	T	PLEX8
1.83E-02	0|0	Cs1g04030.1/Cs1g040	4.25	0	0	2	MASCOT	T	PLEX8
1.53E-01	0|0	Cs1g04030.1/Cs1g040	4.25	0	0	2	MASCOT	T	PLEX8
1.67E-01	0|0	Cs1g04030.1/Cs1g040	5.5	0	0	2	MASCOT	T	PLEX8
1.03E-01	0|0	Cs1g04030.1/Cs1g040	5.5	0	0	2	MASCOT	T	PLEX8
5.91E-02	0|0	Cs2g10770.1 ! Cs1g04	8.26	0	0	2	MASCOT	T	PLEX8
1.20E-01	0|0	Cs2g10770.1 ! Cs1g04	8.26	0	0	2	MASCOT	T	PLEX8
1.54E-01	0|0	Cs2g10770.1 ! Cs1g04	8.26	0	0	2	MASCOT	T	PLEX8
1.08E-01	0|0	Cs2g10770.1 ! Cs1g04	8.26	0	0	2	MASCOT	T	PLEX8
2.55E-03	0|0	Cs2g30260.1	5.3	0	0	2	MASCOT	T	PLEX8
9.21E-03	0|0	Cs2g30260.1	5.3	0	0	2	MASCOT	T	PLEX8
1.24E-03	0|0	Cs2g30260.1	5.3	0	0	2	MASCOT	T	PLEX8
7.42E-02	0|0	Cs2g30260.1	5.3	0	0	2	MASCOT	T	PLEX8
8.52E-03	0|0	Cs2g30260.1	5.3	0	0	2	MASCOT	T	PLEX8
1.28E-02	0|0	Cs2g30260.1	5.3	0	0	2	MASCOT	T	PLEX8
2.08E-02	0|0	Cs2g30260.1	5.55	0	0	2	MASCOT	T	PLEX8
2.26E-02	0|0	Cs2g30260.1	5.55	0	0	2	MASCOT	T	PLEX8
3.25E-01	0|0	Cs2g30260.1	5.55	0	0	2	MASCOT	T	PLEX8
5.55E-02	0|0	Cs2g30260.1	8.8	0	0	2	MASCOT	T	PLEX8
3.48E-02	0|0	Cs2g30260.1	8.8	0	0	2	MASCOT	T	
1.13E-01	0|0	Cs2g30260.1	8.8	0	0	2	MASCOT	T	PLEX8
5.49E-03	0|0	Cs2g30260.1	8.8	0	0	2	MASCOT	T	PLEX8
1.08E-01	0|0	Cs2g30260.1	8.59	0	0	2	MASCOT	T	PLEX8
1.30E-01	0|0	Cs2g30260.1	8.59	0	0	2	MASCOT	T	PLEX8
1.99E-01	0|0	Cs2g30260.1	8.59	0	0	2	MASCOT	T	
2.03E-01	0|0	Cs5g07850.1/Cs5g078	4.53	0	0	2	MASCOT	T	PLEX8
4.49E-03	0|0	Cs5g07850.1/Cs5g078	4.53	0	0	2	MASCOT	T	PLEX8
9.92E-02	0|0	Cs5g07850.1/Cs5g078	4.53	0	0	2	MASCOT	T	PLEX8
4.07E-02	0|0	Cs5g07850.1/Cs5g078	4.53	0	0	2	MASCOT	T	PLEX8
2.02E-03	0|0	Cs5g07850.1/Cs5g078	4.14	0	0	2	MASCOT	T	
1.76E-03	0|0	Cs5g07850.1/Cs5g078	4.14	0	0	2	MASCOT	T	
2.86E-02	0|0	Cs5g07850.1/Cs5g078	4.14	0	0	2	MASCOT	T	
1.12E-03	0|0	Cs5g07850.1/Cs5g078	4.14	0	0	2	MASCOT	T	
1.39E-03	0|0	Cs5g07850.1/Cs5g078	4.14	0	0	2	MASCOT	T	PLEX8
1.30E-01	0|0	Cs5g07850.1/Cs5g078	4.14	0	0	2	MASCOT	T	PLEX8
2.46E-01	0|0	Cs5g07850.1/Cs5g078	4.14	0	0	2	MASCOT	T	PLEX8
6.88E-03	0|0	Cs5g07850.1/Cs5g078	8.8	0	0	2	MASCOT	T	PLEX8
2.06E-01	0|0	Cs5g07850.1/Cs5g078	8.8	0	0	2	MASCOT	T	PLEX8
7.03E-02	0|0	Cs5g07850.1/Cs5g078	8.8	0	0	2	MASCOT	T	PLEX8
8.12E-03	0|0	Cs5g07850.1/Cs5g078	8.8	0	0	2	MASCOT	T	PLEX8
1.73E-01	0|0	Cs5g07850.1/Cs5g078	8.8	0	0	2	MASCOT	T	PLEX8
2.85E-03	0|0	orange1.1t00626.1/ora	4.14	0	0	2	MASCOT	T	PLEX8
3.70E-03	0|0	orange1.1t00626.1/ora	4.14	0	0	2	MASCOT	T	PLEX8
3.98E-03	0|0	orange1.1t00626.1/ora	4.14	0	0	2	MASCOT	T	
1.29E-01	0|0	orange1.1t00626.1/ora	4.56	0	0	2	MASCOT	T	
3.60E-02	0|0	orange1.1t00626.1/ora	6	0	0	2	MASCOT	T	PLEX8
2.42E-02	0|0	orange1.1t00626.1/ora	6	0	0	2	MASCOT	T	PLEX8
1.05E-01	0|0	orange1.1t00626.1/ora	6	0	0	2	MASCOT	T	PLEX8
1.50E-02	0|0	orange1.1t00626.1/ora	6	0	0	2	MASCOT	T	PLEX8

2.44E-02	0|0	orange1.1t00626.1/ora	6	0	0	2	MASCOT	T	PLEX8
1.23E-02	0|0	orange1.1t00626.1/ora	6	0	0	2	MASCOT	T	PLEX8
4.09E-02	0|0	orange1.1t00626.1/ora	6	0	0	2	MASCOT	T	PLEX8
3.60E-03	0|0	orange1.1t00626.1/ora	6	0	0	2	MASCOT	T	PLEX8
1.88E-03	0|0	orange1.1t00626.1/ora	6	0	0	2	MASCOT	T	PLEX8
1.04E-03	0|0	orange1.1t00626.1/ora	6	0	0	2	MASCOT	T	PLEX8
4.17E-03	0|0	orange1.1t00626.1/ora	6	0	0	2	MASCOT	T	PLEX8
8.42E-03	0|0	orange1.1t00626.1/ora	6	0	0	2	MASCOT	T	PLEX8
1.20E-01	0|0	Cs2g28180.1/Cs7g086	6	0	0	2	MASCOT	T	PLEX8
2.02E-01	0|0	Cs2g28180.1/Cs7g086	6	0	0	2	MASCOT	T	PLEX8
5.22E-01	0|0	Cs2g28180.1/Cs7g086	6	0	0	2	MASCOT	T	PLEX8
1.75E-02	0|0	Cs2g28180.1/Cs7g086	6	0	0	2	MASCOT	T	PLEX8
1.00E-01	0|0	Cs2g28180.1/Cs7g086	6	0	0	2	MASCOT	T	
1.20E-01	0|0	Cs2g28180.1	5.81	0	0	2	MASCOT	T	
7.75E-05	0|0	Cs2g28180.1	5.81	0	0	2	MASCOT	T	PLEX8
1.15E-01	0|0	Cs2g28180.1 ! Cs7g08	4.37	0	0	2	MASCOT	T	PLEX8
1.83E-01	0|0	Cs2g28180.1 ! Cs7g08	4.37	0	0	2	MASCOT	T	PLEX8
2.61E-01	0|0	Cs2g28180.1 ! Cs7g08	4.21	0	0	2	MASCOT	T	PLEX8
1.89E-01	0|0	Cs2g28180.1 ! Cs7g08	4.21	0	0	2	MASCOT	T	PLEX8
2.60E-04	0|0	Cs2g28180.1 ! Cs7g08	4.21	0	0	2	MASCOT	T	PLEX8
2.93E-04	0|0	Cs2g28180.1 ! Cs7g08	4.21	0	0	2	MASCOT	T	PLEX8
1.58E-04	0|0	Cs2g28180.1 ! Cs7g08	4.21	0	0	2	MASCOT	T	PLEX8
4.47E-04	0|0	Cs2g28180.1 ! Cs7g08	4.21	0	0	2	MASCOT	T	PLEX8
2.31E-01	0|0	Cs3g12000.1/Cs3g120	6.05	0	0	2	MASCOT	T	PLEX8
3.26E-04	0|0	Cs3g12000.1/Cs3g120	6.05	0	0	2	MASCOT	T	PLEX8
4.03E-01	0|0	Cs3g12000.1/Cs3g120	6.05	0	0	2	MASCOT	T	PLEX8
1.19E-02	0|0	Cs3g12000.1/Cs3g120	6.05	0	0	2	MASCOT	T	PLEX8
2.07E-05	0|0	Cs3g12000.1/Cs3g120	6.05	0	0	2	MASCOT	T	PLEX8
1.57E-03	0|0	Cs3g12000.1/Cs3g120	6.05	0	0	2	MASCOT	T	PLEX8
1.64E-02	0|0	Cs3g12000.1/Cs3g120	4.4	0	0	2	MASCOT	T	PLEX8
1.02E-02	0|0	Cs3g12000.1/Cs3g120	4.4	0	0	2	MASCOT	T	PLEX8
6.60E-03	0|0	Cs3g12000.1/Cs3g120	4.4	0	0	2	MASCOT	T	PLEX8
2.90E-01	0|0	Cs3g12000.1/Cs3g120	6.75	0	0	2	MASCOT	T	
6.67E-02	0|0	Cs3g12000.1/Cs3g120	4.41	0	0	2	MASCOT	T	PLEX8
9.66E-07	0|0	Cs3g12000.1/Cs3g120	4.41	0	0	2	MASCOT	T	PLEX8
4.76E-02	0|0	Cs3g12000.1/Cs3g120	4.41	0	0	2	MASCOT	T	
3.75E-01	0|0	Cs3g12000.1/Cs3g120	4.41	0	0	2	MASCOT	T	
2.11E-06	0|0	Cs3g12000.1/Cs3g120	4.41	0	0	2	MASCOT	T	
8.84E-02	0|0	Cs3g24640.1	8.2	0	0	2	MASCOT	T	PLEX8
1.63E-01	0|0	Cs3g24640.1	8.2	0	0	2	MASCOT	T	PLEX8
3.88E-02	0|0	Cs3g24640.1	8.2	0	0	2	MASCOT	T	PLEX8
4.51E-02	0|0	Cs3g24640.1	8.2	0	0	2	MASCOT	T	
3.16E-01	0|0	Cs3g24640.1	8.2	0	0	2	MASCOT	T	
3.88E-02	0|0	Cs3g24640.1	8.63	0	0	2	MASCOT	T	PLEX8
1.32E-01	0|0	Cs3g24640.1	8.63	0	0	2	MASCOT	T	PLEX8
4.91E-02	0|0	Cs3g24640.1	8.63	0	0	2	MASCOT	T	PLEX8
2.51E-01	0|0	Cs3g24640.1	8.63	0	0	2	MASCOT	T	PLEX8
1.41E-01	0|0	Cs3g24640.1	8.63	0	0	2	MASCOT	T	
1.82E-02	0|0	Cs3g24640.1	5.84	0	0	2	MASCOT	T	PLEX8
2.69E-02	0|0	Cs3g24640.1	5.84	0	0	2	MASCOT	T	PLEX8
3.40E-03	0|0	Cs3g24640.1	5.84	0	0	2	MASCOT	T	PLEX8

4.57E-05 0|0	Cs3g24640.1	5.84	0	0	2	MASCOT	T	PLEX8	
3.37E-01 0|0	Cs3g24640.1	4.37	0	0	2	MASCOT	T	PLEX8	
4.20E-02 0|0	Cs8g15790.1	6.85	0	0	2	MASCOT	T	PLEX8	
3.12E-02 0|0	Cs8g15790.1	6.85	0	0	2	MASCOT	T	PLEX8	
2.88E-04 0|0	Cs8g15790.1	6.85	0	0	2	MASCOT	T	PLEX8	
5.23E-02 0|0	Cs8g15790.1	6.85	0	0	2	MASCOT	T	PLEX8	
3.06E-02 0|0	Cs8g15790.1	6.85	0	0	2	MASCOT	T	PLEX8	
7.55E-02 0|0	Cs8g15790.1	6.85	0	0	2	MASCOT	T	PLEX8	
2.05E-01 0|0	Cs8g15790.1	5.21	0	0	2	MASCOT	T	PLEX8	
2.19E-04 0|0	Cs8g15790.1	5.21	0	0	2	MASCOT	T	PLEX8	
2.32E-03 0|0	Cs8g15790.1	5.21	0	0	2	MASCOT	T	PLEX8	
1.26E-01 0|0	Cs8g15790.1	6	0	0	2	MASCOT	T	PLEX8	
1.40E-01 0|0	Cs8g15790.1	6	0	0	2	MASCOT	T	PLEX8	
9.93E-02 0|0	Cs8g15790.1	8.72	0	15.9	0	2	MASCOT	T	PLEX8
5.15E-02 0|0	Cs8g15790.1	8.72	0	15.9	0	2	MASCOT	T	PLEX8
5.50E-02 0|0	Cs8g15790.1	8.72	0	0	2	MASCOT	T	PLEX8	
6.43E-02 0|0	Cs8g15790.1	8.72	0	0	2	MASCOT	T	PLEX8	
8.53E-04 0|0	orange1.1t02752.1	6.78	0	0	2	MASCOT	T	PLEX8	
2.99E-01 0|0	orange1.1t02752.1	6.78	0	0	2	MASCOT	T	PLEX8	
9.09E-02 0|0	orange1.1t02752.1	6.78	0	0	2	MASCOT	T		
3.28E-04 0|0	orange1.1t02752.1	6.78	0	0	2	MASCOT	T		
5.66E-02 0|0	orange1.1t02752.1	4.31	0	0	2	MASCOT	T	PLEX8	
5.03E-08 0|0	orange1.1t02752.1	4.31	0	0	2	MASCOT	T	PLEX8	
7.62E-02 0|0	orange1.1t02752.1	4.31	0	0	2	MASCOT	T	PLEX8	
1.12E-02 0|0	orange1.1t02752.1	4.31	0	0	2	MASCOT	T		
6.46E-04 0|0	orange1.1t02752.1	4.31	0	0	2	MASCOT	T		
1.91E-02 0|0	orange1.1t02752.1	4.54	0	0	2	MASCOT	T	PLEX8	
6.92E-02 0|0	orange1.1t02752.1	4.54	0	0	2	MASCOT	T	PLEX8	
5.50E-04 0|0	orange1.1t02752.1	4.54	0	0	2	MASCOT	T	PLEX8	
2.83E-03 0|0	orange1.1t02752.1	4.54	0	0	2	MASCOT	T	PLEX8	
4.91E-02 0|0	orange1.1t02752.1	5.66	0	0	2	MASCOT	T	PLEX8	
1.12E-01 0|0	orange1.1t02752.1	5.66	0	0	2	MASCOT	T	PLEX8	
1.13E-01 0|0	orange1.1t02891.1/ora	8.59	0	0	2	MASCOT	T	PLEX8	
1.37E-01 0|0	orange1.1t02891.1/ora	8.59	0	0	2	MASCOT	T	PLEX8	
3.41E-01 0|0	orange1.1t02891.1/ora	8.59	0	0	2	MASCOT	T	PLEX8	
2.87E-02 0|0	orange1.1t02891.1/ora	8.59	0	0	2	MASCOT	T	PLEX8	
1.29E-03 0|0	orange1.1t02891.1/ora	8.72	0	0	2	MASCOT	T	PLEX8	
2.51E-03 0|0	orange1.1t02891.1/ora	8.72	0	0	2	MASCOT	T	PLEX8	
1.99E-05 0|0	orange1.1t02891.1 ! or	6.74	0	0	2	MASCOT	T	PLEX8	
1.15E-01 0|0	orange1.1t02891.1 ! or	6.74	0	0	2	MASCOT	T	PLEX8	
1.89E-02 0|0	orange1.1t02891.1 ! or	6.74	0	0	2	MASCOT	T	PLEX8	
3.09E-02 0|0	orange1.1t02891.1 ! or	6.74	0	0	2	MASCOT	T	PLEX8	
7.31E-02 0|0	orange1.1t02891.1 ! or	6.74	0	0	2	MASCOT	T		
9.97E-05 0|0	orange1.1t02891.1 ! or	6.74	0	0	2	MASCOT	T	PLEX8	
2.20E-01 0|0	orange1.1t02891.1 ! or	6.74	0	0	2	MASCOT	T		
1.03E-01 0|0	orange1.1t02891.1 ! or	6.74	0	0	2	MASCOT	T		
2.67E-04 0|0	orange1.1t02891.1/ora	8.22	0	0	2	MASCOT	T	PLEX8	
2.61E-03 0|0	Cs7g18870.1/Cs7g188	5.4	0	15.9	0	2	MASCOT	T	PLEX8
1.64E-01 0|0	Cs7g18870.1/Cs7g188	5.4	0	15.9	0	2	MASCOT	T	PLEX8
2.00E-02 0|0	Cs7g18870.1/Cs7g188	5.4	0	0	2	MASCOT	T	PLEX8	
1.02E-02 0|0	Cs7g18870.1/Cs7g188	5.4	0	0	2	MASCOT	T	PLEX8	

2.52E-02	0|0	Cs7g18870.1/Cs7g188	5.4	0	0	2	MASCOT	T	PLEX8	
1.48E-01	0|0	Cs7g18870.1/Cs7g188	4.65	0	15.9	0	2	MASCOT	T	PLEX8
7.03E-04	0|0	Cs7g18870.1/Cs7g188	4.65	0	15.9	0	2	MASCOT	T	PLEX8
1.44E-03	0|0	Cs7g18870.1/Cs7g188	4.65	0	0	0	2	MASCOT	T	PLEX8
2.23E-02	0|0	Cs7g18870.1/Cs7g188	4.65	0	0	0	2	MASCOT	T	PLEX8
2.61E-04	0|0	Cs7g18870.1/Cs7g188	4.65	0	0	0	2	MASCOT	T	PLEX8
2.79E-04	0|0	Cs7g18870.1/Cs7g188	4.14	0	0	0	2	MASCOT	T	
7.87E-05	0|0	Cs7g18870.1/Cs7g188	4.14	0	0	0	2	MASCOT	T	
1.06E-01	0|0	Cs7g18870.1/Cs7g188	8.05	0	0	0	2	MASCOT	T	PLEX8
2.08E-02	0|0	Cs7g18870.1/Cs7g188	8.05	0	0	0	2	MASCOT	T	PLEX8
4.18E-03	0|0	Cs4g15090.1/Cs4g150	4.21	0	0	0	2	MASCOT	T	PLEX8
2.53E-02	0|0	Cs4g15090.1/Cs4g150	4.21	0	0	0	2	MASCOT	T	PLEX8
3.81E-01	0|0	Cs1g17840.1/Cs4g150	8.26	0	0	0	2	MASCOT	T	PLEX8
2.43E-03	0|0	Cs1g17840.1/Cs4g150	8.26	0	0	0	2	MASCOT	T	PLEX8
3.51E-01	0|0	Cs1g17840.1 ! Cs4g15	8.44	0	0	0	2	MASCOT	T	PLEX8
4.25E-02	0|0	Cs1g17840.1 ! Cs4g15	8.44	0	0	0	2	MASCOT	T	PLEX8
6.25E-04	0|0	Cs1g17840.1 ! Cs4g15	8.44	0	0	0	2	MASCOT	T	PLEX8
2.40E-03	0|0	Cs1g17840.1 ! Cs4g15	8.44	0	0	0	2	MASCOT	T	PLEX8
6.18E-03	0|0	Cs1g17840.1 ! Cs4g15	8.44	0	0	0	2	MASCOT	T	PLEX8
5.47E-04	0|0	Cs1g17840.1 ! Cs4g15	8.44	0	0	0	2	MASCOT	T	PLEX8
2.01E-03	0|0	Cs1g17840.1 ! Cs4g15	8.44	0	0	0	2	MASCOT	T	PLEX8
6.99E-02	0|0	Cs1g17840.1 ! Cs4g15	8.44	0	0	0	2	MASCOT	T	
6.00E-02	0|0	Cs4g15090.1/Cs4g150	8.47	0	0	0	2	MASCOT	T	PLEX8
1.32E-02	0|0	gi|113952646	6.74	0	0	0	2	MASCOT	T	PLEX8
1.40E-01	0|0	gi|113952646	6.74	0	0	0	2	MASCOT	T	PLEX8
1.27E-01	0|0	gi|113952646	6.74	0	0	0	2	MASCOT	T	
1.13E-01	0|0	gi|113952646	6.1	0	15.9	0	2	MASCOT	T	
2.45E-02	0|0	gi|113952646	6.1	0	15.9	0	2	MASCOT	T	
3.09E-03	0|0	gi|113952646	6.1	0	0	0	2	MASCOT	T	
1.04E-01	0|0	gi|113952646	9.76	0	0	0	2	MASCOT	T	PLEX8
1.04E-01	0|0	gi|113952646	9.76	0	0	0	2	MASCOT	T	PLEX8
1.87E-01	0|0	gi|113952646	9.76	0	0	0	2	MASCOT	T	
1.79E-01	0|0	gi|113952646	9.76	0	0	0	2	MASCOT	T	
1.93E-01	0|0	gi|113952646	9.76	0	0	0	2	MASCOT	T	PLEX8
6.51E-02	0|0	gi|113952646	9.76	0	0	0	2	MASCOT	T	PLEX8
2.13E-01	0|0	gi|113952646	4.68	0	0	0	2	MASCOT	T	PLEX8
3.59E-02	0|0	Cs3g07460.1/Cs3g074	4.23	1	0	0	2	MASCOT	T	PLEX8
2.11E-02	0|0	Cs3g07460.1/Cs3g074	4.23	1	0	0	2	MASCOT	T	PLEX8
1.11E-01	0|0	Cs3g07460.1/Cs3g074	9.76	0	0	0	2	MASCOT	T	PLEX8
2.54E-03	0|0	Cs3g07460.1/Cs3g074	9.76	0	0	0	2	MASCOT	T	PLEX8
1.42E-04	0|0	Cs3g07460.1/Cs3g074	9.76	0	0	0	2	MASCOT	T	PLEX8
3.89E-01	0|0	Cs3g07460.1/Cs3g074	9.76	0	0	0	2	MASCOT	T	
4.63E-03	0|0	Cs3g07460.1/Cs3g074	5.75	0	15.9	0	2	MASCOT	T	PLEX8
2.02E-03	0|0	Cs3g07460.1/Cs3g074	5.75	0	0	0	2	MASCOT	T	PLEX8
1.24E-03	0|0	Cs3g07460.1/Cs3g074	5.75	0	0	0	2	MASCOT	T	PLEX8
1.12E-01	0|0	Cs3g07460.1/Cs3g074	5.75	0	0	0	2	MASCOT	T	PLEX8
3.29E-03	0|0	Cs3g07460.5/Cs3g074	4.14	1	0	0	2	MASCOT	T	PLEX8
1.32E-03	0|0	Cs3g07460.5/Cs3g074	4.14	1	0	0	2	MASCOT	T	PLEX8
1.33E-02	0|0	Cs3g25420.1	5.24	0	0	0	2	MASCOT	T	PLEX8
9.85E-02	0|0	Cs3g25420.1	5.24	0	0	0	2	MASCOT	T	PLEX8
6.81E-02	0|0	Cs3g25420.1	5.24	0	0	0	2	MASCOT	T	

1.22E-02	0|0	Cs3g25420.1	6	0	0	2	MASCOT	T	PLEX8	
1.56E-03	0|0	Cs3g25420.1	6	0	0	2	MASCOT	T	PLEX8	
6.55E-03	0|0	Cs3g25420.1	8.75	0	0	2	MASCOT	T	PLEX8	
3.26E-02	0|0	Cs3g25420.1	8.75	0	0	2	MASCOT	T	PLEX8	
1.23E-01	0|0	Cs1g24740.1/Cs1g247	4.03	0	0	2	MASCOT	T	PLEX8	
1.81E-01	0|0	Cs1g24740.1/Cs1g247	4.03	0	0	2	MASCOT	T	PLEX8	
3.44E-01	0|0	Cs1g24740.1/Cs1g247	4.03	0	0	2	MASCOT	T	PLEX8	
5.87E-02	0|0	Cs1g24740.1/Cs1g247	4.03	0	0	2	MASCOT	T	PLEX8	
5.90E-01	0|0	Cs1g24740.1/Cs1g247	4.03	0	0	2	MASCOT	T	PLEX8	
1.65E-02	0|0	Cs5g28130.1	4.53	0	0	2	MASCOT	T	PLEX8	
2.26E-02	0|0	Cs5g28130.1	4.53	0	0	2	MASCOT	T	PLEX8	
5.55E-03	0|0	Cs5g28130.1	4.53	0	0	2	MASCOT	T	PLEX8	
4.16E-02	0|0	Cs5g28130.1	4.53	0	0	2	MASCOT	T	PLEX8	
2.40E-04	0|0	Cs5g28130.1	4	0	0	2	MASCOT	T		
4.30E-06	0|0	Cs5g28130.1	4	0	0	2	MASCOT	T		
5.04E-04	0|0	Cs5g28130.1	4	0	0	2	MASCOT	T		
1.72E-01	0|0	Cs5g28130.1	6	0	0	2	MASCOT	T	PLEX8	
7.88E-02	0|0	Cs5g28130.1	5.5	0	0	2	MASCOT	T	PLEX8	
2.59E-03	0|0	Cs5g28130.1	5.5	0	0	2	MASCOT	T	PLEX8	
6.68E-05	0|0	Cs5g28130.1	5.5	0	0	2	MASCOT	T	PLEX8	
4.21E-02	0|0	Cs5g28130.1	5.5	0	0	2	MASCOT	T		
5.24E-05	0|0	Cs8g06360.1/Cs8g063	4.21	0	0	2	MASCOT	T	PLEX8	
4.20E-04	0|0	Cs8g06360.1/Cs8g063	4.21	0	0	2	MASCOT	T	PLEX8	
3.56E-03	0|0	Cs8g06360.1/Cs8g063	6.1	0	0	2	MASCOT	T	PLEX8	
4.65E-04	0|0	Cs8g06360.1/Cs8g063	6.1	0	0	2	MASCOT	T	PLEX8	
6.33E-03	0|0	Cs8g06360.1/Cs8g063	8.75	0	0	2	MASCOT	T	PLEX8	
3.74E-03	0|0	Cs8g06360.1/Cs8g063	8.75	0	0	2	MASCOT	T	PLEX8	
1.40E-05	0|0	Cs8g06360.1/Cs8g063	8.75	0	0	2	MASCOT	T	PLEX8	
7.74E-03	0|0	Cs8g06360.1/Cs8g063	6	0	0	2	MASCOT	T	PLEX8	
1.90E-02	0|0	Cs8g06360.1/Cs8g063	6	0	0	2	MASCOT	T	PLEX8	
1.17E-01	0|0	Cs8g06360.1/Cs8g063	6	0	0	2	MASCOT	T	PLEX8	
4.14E-03	0|0	Cs8g06360.1/Cs8g063	6	0	0	2	MASCOT	T	PLEX8	
7.47E-02	0|0	Cs8g06360.1/Cs8g063	6	0	0	2	MASCOT	T	PLEX8	
2.78E-01	0|0	orange1.1t02486.1/ora	8.27	0	0	2	MASCOT	T	PLEX8	
3.60E-02	0|0	orange1.1t02486.1/ora	8.27	0	0	2	MASCOT	T	PLEX8	
3.02E-02	0|0	orange1.1t02486.1/ora	8.27	0	0	2	MASCOT	T	PLEX8	
2.44E-02	0|0	orange1.1t02486.1/ora	5.32	0	0	2	MASCOT	T	PLEX8	
1.24E-01	0|0	orange1.1t02486.1/ora	5.32	0	0	2	MASCOT	T	PLEX8	
4.27E-02	0|0	orange1.1t02486.1/ora	5.32	0	0	2	MASCOT	T	PLEX8	
8.29E-02	0|0	orange1.1t02486.1/ora	5.32	0	0	2	MASCOT	T	PLEX8	
1.58E-02	0|0	orange1.1t02486.1/ora	5.32	0	0	2	MASCOT	T	PLEX8	
2.49E-03	0|0	orange1.1t02486.1/ora	5.32	0	0	2	MASCOT	T	PLEX8	
4.36E-03	0|0	orange1.1t02486.1/ora	8.23	0	15.9	0	2	MASCOT	T	PLEX8
1.64E-02	0|0	orange1.1t02486.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
1.08E-01	0|0	orange1.1t02486.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
8.23E-04	0|0	Cs1g20240.1/Cs1g202	3.92	0	0	2	MASCOT	T		
6.28E-02	0|0	Cs1g20240.1/Cs1g202	3.92	0	0	2	MASCOT	T		
1.80E-03	0|0	Cs1g20240.1/Cs1g202	4.32	1	0	2	MASCOT	T	PLEX8	
7.58E-05	0|0	Cs1g20240.1/Cs1g202	4.32	1	0	2	MASCOT	T		
3.72E-02	0|0	Cs1g20240.1/Cs1g202	4.32	1	0	2	MASCOT	T		
2.47E-02	0|0	Cs1g20240.1/Cs1g202	6	0	0	2	MASCOT	T	PLEX8	

5.26E-05	0|0	Cs1g20240.1/Cs1g202	6	0	0	2	MASCOT	T	PLEX8
3.95E-02	0|0	Cs1g20240.1/Cs1g202	6	0	0	2	MASCOT	T	PLEX8
2.31E-05	0|0	Cs1g20240.1/Cs1g202	6	0	0	2	MASCOT	T	PLEX8
3.69E-04	0|0	Cs1g20240.1/Cs1g202	6	0	0	2	MASCOT	T	PLEX8
2.66E-02	0|0	Cs1g20240.1/Cs1g202	3.92	0	0	2	MASCOT	T	PLEX8
3.98E-03	0|0	Cs1g22670.1	5.21	0	0	2	MASCOT	T	
4.39E-03	0|0	Cs1g22670.1	5.21	0	0	2	MASCOT	T	
3.65E-01	0|0	Cs1g22670.1	5.32	0	0	2	MASCOT	T	
4.63E-03	0|0	Cs1g22670.1	6.92	0	0	2	MASCOT	T	PLEX8
4.54E-02	0|0	Cs1g22670.1	6.92	0	0	2	MASCOT	T	PLEX8
4.85E-01	0|0	Cs1g22670.1	6.92	0	0	2	MASCOT	T	
1.59E-02	0|0	Cs1g22670.1	6.92	0	0	2	MASCOT	T	PLEX8
1.27E-02	0|0	Cs1g22670.1	6.92	0	0	2	MASCOT	T	PLEX8
4.64E-01	0|0	Cs1g22670.1	6.92	0	0	2	MASCOT	T	
2.53E-01	0|0	Cs1g22670.1	6.92	0	0	2	MASCOT	T	
1.68E-02	0|0	Cs1g22670.1	9.75	0	0	2	MASCOT	T	PLEX8
2.66E-01	0|0	Cs2g28970.1	8.75	0	0	2	MASCOT	T	PLEX8
3.65E-01	0|0	Cs2g28970.1	8.75	0	0	2	MASCOT	T	
4.06E-03	0|0	Cs2g28970.1	4.32	1	0	2	MASCOT	T	
5.25E-02	0|0	Cs2g28970.1	4.53	0	0	2	MASCOT	T	PLEX8
1.42E-02	0|0	Cs2g28970.1	4.53	0	0	2	MASCOT	T	PLEX8
2.06E-02	0|0	Cs2g28970.1	4.53	0	0	2	MASCOT	T	PLEX8
1.16E-02	0|0	Cs2g28970.1	4.53	0	0	2	MASCOT	T	PLEX8
1.84E-02	0|0	Cs2g28970.1	4.53	0	0	2	MASCOT	T	PLEX8
2.27E-01	0|0	Cs2g28970.1	4.53	0	0	2	MASCOT	T	PLEX8
1.36E-02	0|0	Cs2g28970.1	4.32	1	0	2	MASCOT	T	PLEX8
3.02E-02	0|0	Cs2g28970.1	4.32	1	0	2	MASCOT	T	PLEX8
3.76E-04	0|0	Cs2g29230.1/Cs2g292	5.24	0	0	2	MASCOT	T	PLEX8
1.00E-02	0|0	Cs2g29230.1/Cs2g292	8.75	0	0	2	MASCOT	T	PLEX8
1.39E-01	0|0	Cs2g29230.1/Cs2g292	8.75	0	0	2	MASCOT	T	PLEX8
6.60E-03	0|0	Cs2g29230.1/Cs2g292	8.75	0	0	2	MASCOT	T	PLEX8
3.34E-02	0|0	Cs2g29230.1/Cs2g292	8.75	0	0	2	MASCOT	T	PLEX8
7.10E-02	0|0	Cs2g29230.1/Cs2g292	5.32	0	0	2	MASCOT	T	PLEX8
2.11E-02	0|0	Cs2g29230.1/Cs2g292	5.32	0	0	2	MASCOT	T	PLEX8
4.46E-02	0|0	Cs2g29230.1/Cs2g292	5.32	0	0	2	MASCOT	T	PLEX8
5.50E-04	0|0	Cs2g29230.1/Cs2g292	4.53	0	0	2	MASCOT	T	
4.79E-06	0|0	Cs2g29230.1/Cs2g292	4.53	0	0	2	MASCOT	T	
1.92E-05	0|0	Cs2g29230.1/Cs2g292	4.53	0	0	2	MASCOT	T	
1.01E-02	0|0	Cs7g24880.1	8.75	0	0	2	MASCOT	T	PLEX8
2.24E-02	0|0	Cs7g24880.1	8.75	0	0	2	MASCOT	T	PLEX8
1.94E-02	0|0	Cs7g24880.1	8.75	0	0	2	MASCOT	T	PLEX8
6.35E-02	0|0	Cs5g08750.1/Cs7g248	7.89	0	0	2	MASCOT	T	PLEX8
3.90E-02	0|0	Cs5g08750.1/Cs7g248	7.89	0	0	2	MASCOT	T	PLEX8
1.64E-01	0|0	Cs5g08750.1/Cs7g248	7.89	0	0	2	MASCOT	T	PLEX8
1.53E-02	0|0	Cs5g08750.1/Cs7g248	7.89	0	0	2	MASCOT	T	PLEX8
4.30E-02	0|0	Cs5g08750.1/Cs7g248	7.89	0	0	2	MASCOT	T	PLEX8
4.94E-01	0|0	Cs7g24880.1/Cs8g161	6.74	0	0	2	MASCOT	T	PLEX8
1.89E-02	0|0	Cs7g24880.1/Cs8g161	6.74	0	0	2	MASCOT	T	PLEX8
2.27E-02	0|0	Cs7g24880.1	5.83	0	0	2	MASCOT	T	
9.79E-02	0|0	Cs2g14600.1	4.65	0	0	2	MASCOT	T	PLEX8
3.30E-03	0|0	Cs2g14600.1	4.65	0	0	2	MASCOT	T	PLEX8

3.82E-02	0|0	Cs2g14600.1	4.65	0	0	2	MASCOT	T	PLEX8
1.03E-01	0|0	Cs2g14600.1	5.84	0	0	2	MASCOT	T	
2.64E-01	0|0	Cs2g14600.1	5.84	0	0	2	MASCOT	T	
1.58E-01	0|0	Cs2g14600.1	5.84	0	0	2	MASCOT	T	
1.08E-02	0|0	Cs2g14600.1	4.03	0	0	2	MASCOT	T	
2.25E-01	0|0	Cs2g14600.1	4.53	0	0	2	MASCOT	T	PLEX8
1.41E-01	0|0	Cs2g14600.1	4.53	0	0	2	MASCOT	T	PLEX8
6.39E-03	0|0	Cs2g14600.1	4.53	0	0	2	MASCOT	T	
3.05E-02	0|0	Cs3g15910.1	4.65	0	15.9	0	2	MASCOT	T
8.12E-03	0|0	Cs3g15910.1	4.65	0	0	2	MASCOT	T	PLEX8
5.72E-04	0|0	Cs3g15910.1	4.65	0	0	2	MASCOT	T	PLEX8
2.35E-04	0|0	Cs3g15910.1	4.65	0	0	2	MASCOT	T	PLEX8
1.22E-03	0|0	Cs3g15910.1	4.65	0	0	2	MASCOT	T	
4.34E-04	0|0	Cs3g15910.1	4.65	0	0	2	MASCOT	T	
3.94E-05	0|0	Cs3g15910.1/Cs5g091	6	0	0	2	MASCOT	T	
1.88E-03	0|0	Cs3g15910.1	4.03	0	0	2	MASCOT	T	
1.19E-02	0|0	Cs3g15910.1	9.75	0	0	2	MASCOT	T	PLEX8
1.95E-01	0|0	Cs3g15910.1	9.75	0	0	2	MASCOT	T	PLEX8
5.91E-02	0|0	Cs3g27880.1	5.84	0	0	2	MASCOT	T	PLEX8
2.81E-02	0|0	Cs3g27880.1	5.84	0	0	2	MASCOT	T	PLEX8
2.70E-01	0|0	Cs3g27880.1	5.84	0	0	2	MASCOT	T	PLEX8
1.79E-01	0|0	Cs3g27880.1	4.37	0	0	2	MASCOT	T	PLEX8
4.82E-02	0|0	Cs3g27880.1	5.32	0	0	2	MASCOT	T	PLEX8
2.34E-01	0|0	Cs3g27880.1	5.32	0	0	2	MASCOT	T	PLEX8
1.32E-02	0|0	Cs3g27880.1	5.32	0	0	2	MASCOT	T	PLEX8
6.66E-02	0|0	Cs3g27880.1	5.32	0	0	2	MASCOT	T	PLEX8
3.37E-01	0|0	Cs3g27880.1	8.72	0	15.9	0	2	MASCOT	T
6.40E-03	0|0	Cs3g27880.1	8.72	0	0	2	MASCOT	T	
5.97E-02	0|0	Cs4g16140.1/Cs8g106	5.84	0	0	2	MASCOT	T	PLEX8
7.09E-02	0|0	Cs4g16140.1/Cs8g106	5.84	0	0	2	MASCOT	T	PLEX8
2.14E-01	0|0	Cs4g16140.1/Cs8g106	5.84	0	0	2	MASCOT	T	PLEX8
3.20E-02	0|0	Cs4g16140.1/Cs8g106	5.84	0	0	2	MASCOT	T	
1.08E-04	0|0	Cs4g16140.1	8.19	0	0	2	MASCOT	T	
5.38E-03	0|0	Cs4g16140.1	8.19	0	0	2	MASCOT	T	
1.43E-02	0|0	Cs4g16140.1/Cs8g106	4.21	0	0	2	MASCOT	T	
3.69E-04	0|0	Cs4g16140.1/Cs8g106	4.21	0	0	2	MASCOT	T	PLEX8
7.46E-02	0|0	Cs4g16140.1/Cs8g106	4.21	0	0	2	MASCOT	T	
6.49E-02	0|0	Cs4g16140.1/Cs8g106	5.96	1	0	2	MASCOT	T	PLEX8
1.11E-02	0|0	Cs9g04300.1/Cs9g043	4.09	0	0	2	MASCOT	T	PLEX8
2.68E-01	0|0	Cs3g14390.1/Cs9g043	6	0	0	2	MASCOT	T	PLEX8
3.91E-03	0|0	Cs3g14390.1/Cs9g043	4.21	0	0	2	MASCOT	T	
6.12E-04	0|0	Cs3g14390.1/Cs9g043	4.21	0	0	2	MASCOT	T	
1.36E-02	0|0	Cs3g14390.1/Cs9g043	4.21	0	0	2	MASCOT	T	
4.34E-02	0|0	Cs9g04300.2	4.37	0	0	2	MASCOT	T	PLEX8
4.71E-02	0|0	Cs9g04300.2	4.37	0	0	2	MASCOT	T	PLEX8
4.98E-02	0|0	Cs9g04300.2	4.37	0	0	2	MASCOT	T	PLEX8
2.22E-02	0|0	Cs9g04300.2	4.37	0	0	2	MASCOT	T	PLEX8
5.13E-02	0|0	Cs9g04300.2	4.37	0	0	2	MASCOT	T	PLEX8
5.73E-03	0|0	orange1.1t04488.1/ora	5.88	0	0	2	MASCOT	T	PLEX8
6.35E-03	0|0	orange1.1t04488.1/ora	5.88	0	0	2	MASCOT	T	PLEX8
4.55E-02	0|0	orange1.1t04488.1/ora	5.88	0	0	2	MASCOT	T	PLEX8

1.99E-01	0|0	orange1.1t04488.1/ora	8.75	0	0	2	MASCOT	T	PLEX8
1.15E-01	0|0	orange1.1t04488.1/ora	8.75	0	0	2	MASCOT	T	PLEX8
2.92E-02	0|0	orange1.1t04488.1/ora	8.75	0	0	2	MASCOT	T	PLEX8
1.23E-01	0|0	Cs7g20440.1/Cs7g204	5.84	0	15.9	0	2	MASCOT	T
1.56E-02	0|0	Cs7g20440.1/Cs7g204	5.84	0	0	2	MASCOT	T	PLEX8
1.03E-03	0|0	Cs7g20440.1/Cs7g204	5.84	0	0	2	MASCOT	T	PLEX8
9.49E-02	0|0	Cs1g10480.1/orange1.	4.53	0	0	2	MASCOT	T	PLEX8
2.12E-02	0|0	Cs1g13240.1/Cs1g132	5.84	0	0	2	MASCOT	T	PLEX8
2.81E-03	0|0	Cs1g13240.1/Cs1g132	4.37	0	0	2	MASCOT	T	PLEX8
2.38E-03	0|0	Cs1g13240.1/Cs1g132	4.37	0	0	2	MASCOT	T	PLEX8
1.14E-02	0|0	Cs1g13240.1/Cs1g132	3.98	0	0	2	MASCOT	T	PLEX8
1.27E-02	0|0	Cs1g13240.1/Cs1g132	3.98	0	0	2	MASCOT	T	PLEX8
1.05E-01	0|0	Cs1g13240.1/Cs1g132	3.98	0	0	2	MASCOT	T	PLEX8
3.06E-03	0|0	Cs1g13240.1/Cs1g132	4.65	0	0	2	MASCOT	T	PLEX8
7.72E-04	0|0	Cs1g13240.1/Cs1g132	4.65	0	0	2	MASCOT	T	PLEX8
2.05E-03	0|0	Cs1g13240.1/Cs1g132	4.65	0	0	2	MASCOT	T	PLEX8
2.34E-01	0|0	Cs1g21340.1	6.05	0	0	2	MASCOT	T	PLEX8
6.13E-04	0|0	Cs1g21340.1	8.75	0	0	2	MASCOT	T	PLEX8
9.05E-03	0|0	Cs1g21340.1	8.75	0	0	2	MASCOT	T	PLEX8
2.25E-02	0|0	Cs1g21340.1	8.75	0	0	2	MASCOT	T	PLEX8
6.50E-02	0|0	Cs1g21340.1	8.75	0	0	2	MASCOT	T	PLEX8
5.64E-02	0|0	Cs1g21340.1	8.47	0	15.9	0	2	MASCOT	T
6.85E-03	0|0	Cs1g21340.1	8.47	0	0	2	MASCOT	T	PLEX8
2.72E-02	0|0	Cs1g21340.1	8.47	0	0	2	MASCOT	T	PLEX8
1.77E-01	0|0	Cs1g21340.1	8.41	0	0	2	MASCOT	T	PLEX8
1.14E-03	0|0	Cs2g27730.1	6.05	0	0	2	MASCOT	T	PLEX8
9.43E-03	0|0	Cs2g27730.1	6.91	0	0	2	MASCOT	T	PLEX8
1.48E-06	0|0	Cs2g27730.1	6.91	0	0	2	MASCOT	T	
3.06E-04	0|0	Cs2g27730.1	6	0	0	2	MASCOT	T	
6.59E-02	0|0	Cs2g27730.1	6	0	0	2	MASCOT	T	
2.79E-02	0|0	Cs2g27730.1	6	0	0	2	MASCOT	T	
7.81E-03	0|0	Cs2g27730.1	6	0	0	2	MASCOT	T	
1.93E-01	0|0	Cs2g27730.1 ! Cs5g05	8.41	0	0	2	MASCOT	T	PLEX8
5.65E-02	0|0	Cs2g27730.1 ! Cs5g05	8.41	0	0	2	MASCOT	T	PLEX8
1.99E-02	0|0	Cs3g07550.1	3.93	0	0	2	MASCOT	T	PLEX8
4.12E-02	0|0	Cs3g07550.1	3.93	0	0	2	MASCOT	T	PLEX8
1.60E-06	0|0	Cs3g07550.1	4.22	0	0	2	MASCOT	T	PLEX8
3.03E-04	0|0	Cs3g07550.1	4.22	0	0	2	MASCOT	T	PLEX8
4.52E-03	0|0	Cs3g07550.1	4.22	0	0	2	MASCOT	T	PLEX8
1.98E-07	0|0	Cs3g07550.1	4.22	0	0	2	MASCOT	T	PLEX8
2.20E-04	0|0	Cs3g07550.1	4.22	0	0	2	MASCOT	T	PLEX8
2.14E-02	0|0	Cs3g07550.1	4.75	0	0	2	MASCOT	T	PLEX8
1.16E-01	0|0	Cs3g07550.1	5.72	0	0	2	MASCOT	T	PLEX8
2.69E-02	0|0	Cs3g27110.1/Cs3g271	4.37	0	0	2	MASCOT	T	PLEX8
1.62E-02	0|0	Cs3g27110.1/Cs3g271	4.37	0	0	2	MASCOT	T	PLEX8
1.21E-02	0|0	Cs3g27110.1/Cs3g271	5.84	0	15.9	0	2	MASCOT	T
9.50E-03	0|0	Cs3g27110.1/Cs3g271	5.84	0	0	2	MASCOT	T	PLEX8
3.67E-02	0|0	Cs3g27110.1/Cs3g271	8.72	0	0	2	MASCOT	T	PLEX8
1.86E-02	0|0	Cs3g27110.1/Cs3g271	8.72	0	0	2	MASCOT	T	PLEX8
5.43E-03	0|0	Cs3g27110.1/Cs3g271	8.72	0	0	2	MASCOT	T	PLEX8
9.57E-02	0|0	Cs3g27110.1/Cs3g271	6	0	0	2	MASCOT	T	PLEX8

6.72E-02	0|0	Cs3g27110.1/Cs3g271	6	0	0	2	MASCOT	T	PLEX8
3.13E-04	0|0	Cs5g03140.1/Cs5g031	5.84	0	0	2	MASCOT	T	PLEX8
7.43E-02	0|0	Cs5g03140.1/Cs9g192	5.32	0	0	2	MASCOT	T	PLEX8
3.11E-01	0|0	Cs5g03140.1/Cs9g192	5.32	0	0	2	MASCOT	T	PLEX8
1.01E-01	0|0	Cs5g03140.1/Cs9g192	5.32	0	0	2	MASCOT	T	PLEX8
1.23E-04	0|0	Cs5g03140.1/Cs9g192	5.99	0	0	2	MASCOT	T	PLEX8
9.15E-03	0|0	Cs5g03140.1/Cs9g192	5.99	0	0	2	MASCOT	T	PLEX8
3.56E-02	0|0	Cs5g03140.1/Cs9g192	5.99	0	0	2	MASCOT	T	PLEX8
1.41E-03	0|0	Cs5g03140.1/Cs9g192	5.99	0	0	2	MASCOT	T	PLEX8
5.66E-03	0|0	Cs5g03140.1/Cs5g031	4.21	0	0	2	MASCOT	T	PLEX8
2.26E-01	0|0	Cs5g34690.1/Cs5g346	6.05	0	0	2	MASCOT	T	PLEX8
3.17E-01	0|0	Cs5g34690.1/Cs5g346	6.05	0	0	2	MASCOT	T	PLEX8
8.13E-02	0|0	Cs3g20830.1/Cs3g208	9.75	0	0	2	MASCOT	T	PLEX8
1.28E-01	0|0	Cs3g20830.1/Cs3g208	9.75	0	0	2	MASCOT	T	PLEX8
1.15E-01	0|0	Cs3g20830.1/Cs3g208	9.75	0	0	2	MASCOT	T	PLEX8
7.13E-02	0|0	Cs3g20830.1/Cs3g208	9.75	0	0	2	MASCOT	T	PLEX8
4.54E-02	0|0	Cs3g20830.1/Cs3g208	9.75	0	0	2	MASCOT	T	PLEX8
1.78E-01	0|0	Cs3g20800.1/Cs3g208	5.84	0	0	2	MASCOT	T	PLEX8
2.00E-01	0|0	Cs5g34690.1/Cs5g346	4.37	0	0	2	MASCOT	T	PLEX8
3.19E-01	0|0	Cs6g02830.1/Cs6g028	5.84	0	0	2	MASCOT	T	PLEX8
2.20E-01	0|0	Cs6g02830.1/Cs6g028	5.84	0	0	2	MASCOT	T	PLEX8
2.98E-01	0|0	Cs6g02830.1	6.1	0	0	2	MASCOT	T	PLEX8
1.04E-01	0|0	Cs6g02830.1 ! Cs6g02	4.37	0	0	2	MASCOT	T	PLEX8
1.34E-01	0|0	Cs6g02830.1 ! Cs6g02	4.37	0	0	2	MASCOT	T	PLEX8
1.24E-02	0|0	Cs6g02830.1/Cs6g028	5.84	0	0	2	MASCOT	T	PLEX8
5.45E-02	0|0	Cs6g02830.1/Cs6g028	5.84	0	0	2	MASCOT	T	PLEX8
3.59E-01	0|0	Cs6g02830.1/Cs6g028	5.84	0	0	2	MASCOT	T	PLEX8
3.32E-02	0|0	Cs6g02830.1/Cs6g028	5.84	0	0	2	MASCOT	T	PLEX8
1.01E-02	0|0	Cs7g01470.1/Cs7g014	4.37	0	0	2	MASCOT	T	PLEX8
2.19E-02	0|0	Cs7g01470.1/Cs7g014	4.37	0	0	2	MASCOT	T	PLEX8
4.01E-04	0|0	Cs7g01470.2/Cs7g014	8.75	0	0	2	MASCOT	T	
4.70E-04	0|0	Cs7g01470.2/Cs7g014	8.75	0	0	2	MASCOT	T	PLEX8
3.39E-02	0|0	Cs7g01470.2/Cs7g014	8.75	0	0	2	MASCOT	T	PLEX8
1.50E-03	0|0	Cs7g01470.1/Cs7g014	4.21	0	0	2	MASCOT	T	PLEX8
7.83E-05	0|0	Cs7g01470.1/Cs7g014	8.56	0	0	2	MASCOT	T	PLEX8
2.29E-03	0|0	Cs7g01470.1/Cs7g014	8.56	0	0	2	MASCOT	T	PLEX8
4.92E-04	0|0	Cs7g01470.1/Cs7g014	8.56	0	0	2	MASCOT	T	PLEX8
8.15E-02	0|0	Cs8g01210.1	5.75	0	0	2	MASCOT	T	PLEX8
4.47E-01	0|0	Cs8g01210.1	5.75	0	0	2	MASCOT	T	PLEX8
1.61E-01	0|0	Cs8g01210.1	5.75	0	0	2	MASCOT	T	PLEX8
5.99E-05	0|0	Cs5g34730.1/Cs8g012	8.22	0	0	2	MASCOT	T	PLEX8
7.44E-03	0|0	Cs5g34730.1/Cs8g012	4.65	0	0	2	MASCOT	T	PLEX8
2.35E-01	0|0	Cs5g34730.1/Cs8g012	4.65	0	0	2	MASCOT	T	
3.40E-01	0|0	Cs5g34730.1/Cs8g012	4.65	0	0	2	MASCOT	T	PLEX8
8.37E-02	0|0	Cs8g01210.1	6.05	0	0	2	MASCOT	T	PLEX8
1.08E-03	0|0	Cs8g01210.1	6.05	0	0	2	MASCOT	T	PLEX8
2.10E-06	0|0	orange1.1t00541.1/ora	3.9	0	0	2	MASCOT	T	PLEX8
8.54E-07	0|0	orange1.1t00541.1/ora	3.9	0	0	2	MASCOT	T	
1.10E-05	0|0	orange1.1t00541.1/ora	3.9	0	0	2	MASCOT	T	PLEX8
5.15E-07	0|0	orange1.1t00541.1/ora	3.9	0	0	2	MASCOT	T	PLEX8
4.66E-04	0|0	orange1.1t00541.1/ora	3.9	0	0	2	MASCOT	T	

2.54E-02	0|0	orange1.1t00541.1/ora	5.32	0	0	2	MASCOT	T	PLEX8	
3.79E-03	0|0	orange1.1t00541.1/ora	5.32	0	0	2	MASCOT	T	PLEX8	
1.37E-02	0|0	orange1.1t00541.1/ora	5.32	0	0	2	MASCOT	T	PLEX8	
3.61E-03	0|0	orange1.1t00541.1/ora	4.21	0	0	2	MASCOT	T	PLEX8	
1.22E-01	0|0	orange1.1t01687.1	4.21	0	0	2	MASCOT	T		
7.66E-03	0|0	orange1.1t01687.1	4.21	0	0	2	MASCOT	T	PLEX8	
7.71E-03	0|0	orange1.1t01687.1	4.21	0	0	2	MASCOT	T		
3.50E-01	0|0	orange1.1t01687.1	4.21	0	15.9	0	2	MASCOT	T	
8.46E-03	0|0	orange1.1t01687.1	4.21	0	15.9	0	2	MASCOT	T	
1.10E-02	0|0	orange1.1t01687.1	4.21	0	15.9	0	2	MASCOT	T	
1.16E-03	0|0	orange1.1t01687.1	4.21	0	15.9	0	2	MASCOT	T	
1.15E-02	0|0	orange1.1t01687.1	4.43	1	0	2	MASCOT	T	PLEX8	
1.21E-01	0|0	orange1.1t01687.1	5.84	0	0	2	MASCOT	T		
1.39E-01	0|0	orange1.1t01987.1	4.21	0	0	2	MASCOT	T	PLEX8	
1.27E-01	0|0	orange1.1t01987.1	9.75	0	0	2	MASCOT	T	PLEX8	
9.96E-03	0|0	orange1.1t01987.1	8.8	0	0	2	MASCOT	T	PLEX8	
5.49E-02	0|0	orange1.1t01987.1	8.8	0	0	2	MASCOT	T	PLEX8	
9.97E-03	0|0	orange1.1t01987.1	8.8	0	0	2	MASCOT	T	PLEX8	
7.75E-03	0|0	orange1.1t01987.1	8.8	0	0	2	MASCOT	T	PLEX8	
1.01E-02	0|0	orange1.1t01987.1	8.8	0	0	2	MASCOT	T	PLEX8	
1.31E-01	0|0	orange1.1t01987.1	8.59	0	0	2	MASCOT	T	PLEX8	
4.65E-02	0|0	orange1.1t01987.1	8.59	0	0	2	MASCOT	T	PLEX8	
2.33E-07	0|0	orange1.1t02288.1	8.8	0	0	2	MASCOT	T	PLEX8	
2.96E-09	0|0	orange1.1t02288.1	8.8	0	0	2	MASCOT	T	PLEX8	
1.18E-07	0|0	orange1.1t02288.1	8.8	0	0	2	MASCOT	T	PLEX8	
6.54E-03	0|0	orange1.1t02288.1	5.24	0	0	2	MASCOT	T	PLEX8	
3.18E-02	0|0	orange1.1t02288.1	5.24	0	0	2	MASCOT	T	PLEX8	
1.47E-02	0|0	orange1.1t02288.1	5.99	0	0	2	MASCOT	T	PLEX8	
3.08E-03	0|0	orange1.1t02288.1	5.99	0	0	2	MASCOT	T	PLEX8	
6.31E-02	0|0	orange1.1t02288.1	5.99	0	0	2	MASCOT	T	PLEX8	
2.52E-03	0|0	orange1.1t02288.1	4.53	0	0	2	MASCOT	T	PLEX8	
7.93E-02	0|0	orange1.1t05835.1	8.47	0	0	2	MASCOT	T	PLEX8	
3.91E-02	0|0	orange1.1t05835.1	5.88	0	0	2	MASCOT	T	PLEX8	
2.73E-01	0|0	orange1.1t05835.1	6.05	0	15.9	0	2	MASCOT	T	PLEX8
1.48E-02	0|0	orange1.1t05835.1	6.05	0	0	2	MASCOT	T	PLEX8	
2.37E-01	0|0	orange1.1t05835.1	6.05	0	0	2	MASCOT	T	PLEX8	
1.79E-01	0|0	orange1.1t05835.1	6.05	0	0	2	MASCOT	T	PLEX8	
8.25E-02	0|0	orange1.1t05835.1	6.05	0	0	2	MASCOT	T	PLEX8	
2.42E-02	0|0	orange1.1t05835.1	6.92	0	0	2	MASCOT	T	PLEX8	
6.76E-02	0|0	orange1.1t05835.1	6.92	0	0	2	MASCOT	T		
4.26E-03	0|0	Cs2g09940.1	8.59	0	0	2	MASCOT	T	PLEX8	
4.91E-02	0|0	Cs2g09940.1	8.59	0	0	2	MASCOT	T	PLEX8	
2.62E-01	0|0	Cs2g09940.1	8.59	0	0	2	MASCOT	T	PLEX8	
5.38E-03	0|0	Cs2g09940.1	8.59	0	0	2	MASCOT	T	PLEX8	
4.11E-04	0|0	Cs2g09940.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.52E-01	0|0	Cs2g09940.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.00E-01	0|0	Cs2g09940.1	5.4	0	0	2	MASCOT	T	PLEX8	
2.05E-02	0|0	Cs2g09940.1	5.59	0	0	2	MASCOT	T	PLEX8	
6.35E-02	0|0	Cs2g29220.1/Cs2g292	8.59	0	0	2	MASCOT	T	PLEX8	
1.09E-01	0|0	Cs2g29220.1/Cs2g292	8.59	0	0	2	MASCOT	T	PLEX8	
9.70E-03	0|0	Cs2g29220.1/Cs2g292	5.55	0	0	2	MASCOT	T	PLEX8	

1.14E-03	0|0	Cs2g29220.1/Cs2g292	8.31	0	0	2	MASCOT	T	PLEX8	
2.59E-03	0|0	Cs2g29220.1/Cs2g292	8.31	0	0	2	MASCOT	T	PLEX8	
1.04E-03	0|0	Cs2g29220.1/Cs2g292	8.31	0	0	2	MASCOT	T	PLEX8	
5.07E-01	0|0	Cs2g29220.1/Cs2g292	5.32	0	0	2	MASCOT	T	PLEX8	
1.27E-01	0|0	Cs2g29220.1/Cs2g292	5.32	0	0	2	MASCOT	T	PLEX8	
1.26E-02	0|0	Cs3g04670.1/Cs3g046	8.27	0	15.9	0	2	MASCOT	T	PLEX8
2.37E-01	0|0	Cs3g04670.1/Cs3g046	8.27	0	15.9	0	2	MASCOT	T	
1.26E-02	0|0	Cs3g04670.1/Cs3g046	8.27	0	0	2	MASCOT	T	PLEX8	
1.52E-02	0|0	Cs7g02830.1/Cs9g178	3.84	0	0	2	MASCOT	T	PLEX8	
1.61E-02	0|0	Cs3g04670.1/Cs3g046	9.76	0	0	2	MASCOT	T	PLEX8	
3.50E-02	0|0	Cs3g04670.1/Cs3g046	9.76	0	0	2	MASCOT	T	PLEX8	
3.08E-03	0|0	Cs3g04670.1/Cs3g046	9.76	0	0	2	MASCOT	T	PLEX8	
4.55E-02	0|0	Cs3g04670.1/Cs3g046	11	1	0	2	MASCOT	T		
1.93E-01	0|0	Cs4g05970.1/Cs4g059	5.21	0	0	2	MASCOT	T	PLEX8	
1.24E-01	0|0	Cs4g05970.1/Cs4g059	6	0	0	2	MASCOT	T	PLEX8	
4.22E-02	0|0	Cs4g05970.1/Cs4g059	6	0	0	2	MASCOT	T	PLEX8	
2.92E-01	0|0	Cs4g05970.1/Cs4g059	6	0	0	2	MASCOT	T	PLEX8	
9.79E-02	0|0	Cs4g05970.1/Cs4g059	6	0	0	2	MASCOT	T	PLEX8	
4.23E-02	0|0	Cs4g05970.1/Cs4g059	6	0	0	2	MASCOT	T	PLEX8	
2.18E-01	0|0	Cs4g05970.1/Cs4g059	8.8	0	0	2	MASCOT	T		
1.73E-01	0|0	Cs4g05970.1/Cs4g059	9.76	0	0	2	MASCOT	T		
3.09E-02	0|0	Cs4g13310.1	4.37	0	0	2	MASCOT	T	PLEX8	
5.39E-02	0|0	Cs4g13310.1	6.1	0	0	2	MASCOT	T	PLEX8	
2.11E-02	0|0	Cs4g13310.1	6.1	0	0	2	MASCOT	T	PLEX8	
1.92E-03	0|0	Cs4g13310.1	6.1	0	0	2	MASCOT	T	PLEX8	
1.10E-01	0|0	Cs4g13310.1	6.1	0	0	2	MASCOT	T	PLEX8	
1.13E-03	0|0	Cs4g13310.1	4.79	1	0	2	MASCOT	T	PLEX8	
1.79E-02	0|0	Cs4g13310.1	4.53	0	0	2	MASCOT	T	PLEX8	
6.48E-02	0|0	Cs4g13310.1	4.53	0	0	2	MASCOT	T	PLEX8	
3.16E-03	0|0	Cs4g17550.1	4.37	0	0	2	MASCOT	T	PLEX8	
7.89E-05	0|0	Cs4g17550.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.47E-01	0|0	Cs4g17550.1	6.74	0	0	2	MASCOT	T	PLEX8	
1.34E-01	0|0	Cs4g17550.1	6.74	0	0	2	MASCOT	T	PLEX8	
1.89E-01	0|0	Cs4g17550.1	6.74	0	0	2	MASCOT	T	PLEX8	
1.29E-01	0|0	Cs4g17550.1	6.74	0	0	2	MASCOT	T	PLEX8	
6.07E-02	0|0	Cs4g17550.1	6.74	0	0	2	MASCOT	T	PLEX8	
1.50E-02	0|0	Cs4g17550.1	4.37	0	0	2	MASCOT	T	PLEX8	
2.79E-03	0|0	Cs5g09660.1/Cs5g096	4.14	0	0	2	MASCOT	T		
6.59E-05	0|0	Cs5g09660.1/Cs5g096	4.14	0	0	2	MASCOT	T		
1.05E-03	0|0	Cs5g09660.1/Cs5g096	4.14	0	0	2	MASCOT	T	PLEX8	
9.48E-02	0|0	Cs5g09660.1/Cs5g096	4.21	0	0	2	MASCOT	T	PLEX8	
1.51E-02	0|0	Cs5g09660.1/Cs5g096	4.21	0	0	2	MASCOT	T	PLEX8	
8.76E-03	0|0	Cs5g09660.1/Cs5g096	5.84	0	0	2	MASCOT	T		
1.28E-02	0|0	Cs5g09660.1/Cs5g096	5.84	0	0	2	MASCOT	T		
3.09E-02	0|0	Cs5g09660.1/Cs5g096	4.14	0	0	2	MASCOT	T	PLEX8	
7.23E-02	0|0	Cs2g29030.1/Cs6g161	4.21	0	0	2	MASCOT	T	PLEX8	
7.97E-02	0|0	Cs2g29030.1/Cs6g161	4.37	0	0	2	MASCOT	T	PLEX8	
2.66E-01	0|0	Cs2g29030.1/Cs6g161	4.37	0	0	2	MASCOT	T	PLEX8	
7.00E-02	0|0	Cs2g29030.1/Cs6g161	4.37	0	0	2	MASCOT	T	PLEX8	
2.78E-01	0|0	Cs2g29030.1/Cs6g161	4.37	0	0	2	MASCOT	T	PLEX8	
1.34E-02	0|0	Cs2g29030.1/Cs6g161	4.37	0	0	2	MASCOT	T	PLEX8	

1.12E-01	0|0	Cs2g29020.1/Cs2g290	6.1	0	0	2	MASCOT	T	PLEX8	
6.16E-03	0|0	Cs2g29020.1/Cs2g290	4.56	1	0	2	MASCOT	T		
6.15E-03	0|0	Cs7g13800.1/Cs7g138	4.53	0	0	2	MASCOT	T	PLEX8	
4.54E-03	0|0	Cs7g13800.1/Cs7g138	4.53	0	0	2	MASCOT	T	PLEX8	
3.58E-04	0|0	Cs7g13800.1/Cs7g138	4.53	0	0	2	MASCOT	T	PLEX8	
5.34E-02	0|0	Cs7g13800.1/Cs7g138	6.72	0	0	2	MASCOT	T	PLEX8	
2.96E-03	0|0	Cs7g13800.1/Cs7g138	6.72	0	0	2	MASCOT	T	PLEX8	
9.49E-03	0|0	Cs7g13800.1/Cs7g138	6.73	0	0	2	MASCOT	T	PLEX8	
1.06E-01	0|0	Cs7g13800.1/Cs7g138	6.75	0	0	2	MASCOT	T	PLEX8	
1.44E-01	0|0	Cs7g13800.1/Cs7g138	6.75	0	0	2	MASCOT	T		
1.75E-01	0|0	Cs7g17080.1/Cs7g170	6.49	0	0	2	MASCOT	T	PLEX8	
8.88E-02	0|0	Cs7g09280.1 ! Cs7g17	8.73	0	0	2	MASCOT	T	PLEX8	
1.21E-02	0|0	Cs7g09280.1 ! Cs7g17	8.73	0	0	2	MASCOT	T	PLEX8	
1.15E-01	0|0	Cs7g09280.1 ! Cs7g17	8.73	0	0	2	MASCOT	T	PLEX8	
3.40E-03	0|0	Cs7g09280.1 ! Cs7g17	8.73	0	0	2	MASCOT	T	PLEX8	
3.91E-04	0|0	Cs7g17080.1/Cs7g170	5.32	0	0	2	MASCOT	T		
2.19E-01	0|0	Cs7g09280.1/Cs7g170	9.75	0	0	2	MASCOT	T	PLEX8	
3.06E-01	0|0	Cs7g09280.1/Cs7g170	9.75	0	0	2	MASCOT	T		
6.43E-02	0|0	Cs7g20540.1/Cs7g205	8.8	0	0	2	MASCOT	T	PLEX8	
1.37E-02	0|0	Cs7g20540.1/Cs7g205	8.8	0	0	2	MASCOT	T	PLEX8	
1.51E-01	0|0	Cs7g20540.1/Cs7g205	6.1	0	0	2	MASCOT	T	PLEX8	
1.36E-03	0|0	Cs7g20540.1/Cs7g205	5.4	0	0	2	MASCOT	T	PLEX8	
5.11E-06	0|0	Cs7g20540.1/Cs7g205	5.4	0	0	2	MASCOT	T	PLEX8	
7.52E-06	0|0	Cs7g20540.1/Cs7g205	5.4	0	0	2	MASCOT	T	PLEX8	
1.56E-03	0|0	Cs7g20540.1/Cs7g205	5.4	0	0	2	MASCOT	T		
2.25E-01	0|0	Cs7g20540.1/Cs7g205	8.47	0	0	2	MASCOT	T	PLEX8	
1.28E-02	0|0	Cs7g24930.1	8.75	0	0	2	MASCOT	T	PLEX8	
9.11E-03	0|0	Cs7g24930.1	8.75	0	0	2	MASCOT	T	PLEX8	
1.54E-03	0|0	Cs7g24930.1	8.75	0	0	2	MASCOT	T	PLEX8	
6.93E-03	0|0	Cs7g24930.1	4.37	0	0	2	MASCOT	T	PLEX8	
2.92E-04	0|0	Cs7g24930.1	4.37	0	0	2	MASCOT	T	PLEX8	
3.94E-02	0|0	Cs7g24930.1	4.4	0	0	2	MASCOT	T	PLEX8	
7.13E-03	0|0	Cs7g24930.1	4.4	0	0	2	MASCOT	T	PLEX8	
4.70E-02	0|0	Cs7g24930.1	4.4	0	0	2	MASCOT	T	PLEX8	
6.71E-02	0|0	Cs8g06760.1	5.97	0	0	2	MASCOT	T	PLEX8	
8.25E-02	0|0	Cs8g06760.1	5.97	0	0	2	MASCOT	T	PLEX8	
4.30E-03	0|0	Cs8g06760.1/Cs8g067	5.32	0	15.9	0	2	MASCOT	T	PLEX8
6.77E-03	0|0	Cs8g06760.1	5.75	0	15.9	0	2	MASCOT	T	PLEX8
9.64E-03	0|0	Cs8g06760.1	5.75	0	0	2	MASCOT	T	PLEX8	
2.64E-03	0|0	Cs8g06760.1	5.75	0	0	2	MASCOT	T	PLEX8	
6.77E-04	0|0	Cs8g06760.1	5.75	0	0	2	MASCOT	T	PLEX8	
1.33E-03	0|0	Cs8g06760.1/Cs8g067	6	0	0	2	MASCOT	T	PLEX8	
5.53E-02	0|0	Cs9g02160.1	6.74	0	0	2	MASCOT	T	PLEX8	
5.95E-02	0|0	Cs9g02160.1	5.32	0	0	2	MASCOT	T	PLEX8	
4.35E-05	0|0	Cs9g02160.1	5.32	0	0	2	MASCOT	T	PLEX8	
7.79E-02	0|0	Cs9g02160.1	5.32	0	0	2	MASCOT	T	PLEX8	
1.79E-04	0|0	Cs9g02160.1	5.32	0	0	2	MASCOT	T	PLEX8	
3.92E-02	0|0	Cs9g02160.1	8.59	0	0	2	MASCOT	T	PLEX8	
1.18E-01	0|0	Cs9g02160.1	5.55	0	15.9	0	2	MASCOT	T	PLEX8
2.54E-02	0|0	Cs9g02160.1	5.55	0	0	2	MASCOT	T	PLEX8	
6.62E-02	0|0	Cs9g09660.1	5.99	0	0	2	MASCOT	T	PLEX8	

1.18E-02	0|0	Cs9g09660.1	5.83	0	0	2	MASCOT	T	PLEX8	
2.20E-01	0|0	Cs9g09660.1	5.83	0	0	2	MASCOT	T	PLEX8	
1.12E-02	0|0	Cs9g09660.1	5.83	0	0	2	MASCOT	T	PLEX8	
2.89E-02	0|0	Cs9g09660.1	5.83	0	0	2	MASCOT	T	PLEX8	
2.54E-03	0|0	Cs9g09660.1	4.25	0	0	2	MASCOT	T	PLEX8	
1.01E-02	0|0	Cs9g09660.1	4.25	0	0	2	MASCOT	T	PLEX8	
2.12E-04	0|0	Cs9g09660.1	4	0	0	2	MASCOT	T	PLEX8	
5.65E-02	0|0	Cs9g16640.1	5.82	0	0	2	MASCOT	T	PLEX8	
5.39E-02	0|0	Cs9g16640.1	5.82	0	0	2	MASCOT	T	PLEX8	
2.77E-01	0|0	Cs8g18310.1/Cs9g166	8.76	0	0	2	MASCOT	T	PLEX8	
6.28E-02	0|0	Cs8g18310.1/Cs9g166	8.76	0	0	2	MASCOT	T	PLEX8	
3.82E-02	0|0	Cs8g18310.1/Cs9g166	8.76	0	0	2	MASCOT	T	PLEX8	
2.64E-03	0|0	Cs9g16640.1	6.85	0	0	2	MASCOT	T	PLEX8	
1.38E-02	0|0	Cs7g32220.1/Cs7g322	6.72	0	0	2	MASCOT	T	PLEX8	
1.81E-02	0|0	Cs7g32220.1/Cs7g322	6.72	0	0	2	MASCOT	T	PLEX8	
1.78E-02	0|0	orange1.1t02181.1/ora	5.3	1	0	2	MASCOT	T	PLEX8	
1.73E-03	0|0	orange1.1t02181.1/ora	5.3	1	0	2	MASCOT	T		
5.25E-04	0|0	orange1.1t02181.1	4.03	0	0	2	MASCOT	T	PLEX8	
2.27E-04	0|0	orange1.1t02181.1	4.03	0	0	2	MASCOT	T	PLEX8	
2.06E-06	0|0	orange1.1t02181.1	4.03	0	0	2	MASCOT	T	PLEX8	
2.78E-01	0|0	Cs2g18450.1/Cs2g184	5.32	0	0	2	MASCOT	T	PLEX8	
3.84E-02	0|0	orange1.1t02181.1/ora	5.88	0	0	2	MASCOT	T	PLEX8	
1.78E-02	0|0	orange1.1t02181.1/ora	5.88	0	0	2	MASCOT	T	PLEX8	
1.48E-03	0|0	orange1.1t02826.1/ora	6.24	0	0	2	MASCOT	T	PLEX8	
9.52E-02	0|0	Cs7g13790.1/orange1.	4.53	0	0	2	MASCOT	T	PLEX8	
1.92E-01	0|0	Cs7g13790.1/orange1.	4.53	0	0	2	MASCOT	T	PLEX8	
2.90E-02	0|0	Cs7g13790.1/orange1.	4.53	0	0	2	MASCOT	T	PLEX8	
4.33E-03	0|0	Cs7g13790.1/orange1.	4.53	0	0	2	MASCOT	T	PLEX8	
1.84E-01	0|0	orange1.1t02826.1/ora	8.05	0	0	2	MASCOT	T	PLEX8	
2.38E-02	0|0	Cs7g13790.1/orange1.	8.52	0	15.9	0	2	MASCOT	T	PLEX8
3.76E-01	0|0	Cs7g13790.1/orange1.	8.52	0	0	2	MASCOT	T		
4.31E-04	0|0	orange1.1t04057.2/ora	5.24	0	15.9	0	2	MASCOT	T	
2.04E-03	0|0	orange1.1t04057.2/ora	5.24	0	15.9	0	2	MASCOT	T	
4.42E-03	0|0	orange1.1t04057.2/ora	5.24	0	0	2	MASCOT	T	PLEX8	
2.69E-02	0|0	orange1.1t04057.1/ora	4.14	0	0	2	MASCOT	T		
1.50E-01	0|0	orange1.1t04057.1/ora	4.14	0	0	2	MASCOT	T		
7.50E-02	0|0	orange1.1t04057.2/ora	4.21	0	0	2	MASCOT	T	PLEX8	
8.14E-02	0|0	orange1.1t04057.2/ora	5.96	1	0	2	MASCOT	T	PLEX8	
5.72E-02	0|0	orange1.1t04057.2/ora	5.96	1	0	2	MASCOT	T	PLEX8	
1.26E-01	0|0	Cs1g07130.1/Cs1g071	6.73	0	0	2	MASCOT	T	PLEX8	
2.71E-03	0|0	Cs1g07130.1/Cs1g071	4.22	0	0	2	MASCOT	T		
5.60E-02	0|0	Cs1g07130.1/Cs1g071	5.72	0	0	2	MASCOT	T	PLEX8	
1.97E-01	0|0	Cs1g07130.1/Cs1g071	5.72	0	0	2	MASCOT	T	PLEX8	
3.55E-02	0|0	Cs1g07130.3	4.29	0	0	2	MASCOT	T	PLEX8	
1.56E-02	0|0	Cs1g07130.3	4.29	0	0	2	MASCOT	T	PLEX8	
2.41E-04	0|0	Cs1g07130.3	4.29	0	0	2	MASCOT	T	PLEX8	
6.75E-07	0|0	Cs1g08770.1	5.4	0	15.9	0	2	MASCOT	T	PLEX8
9.00E-02	0|0	Cs1g08770.1	4.56	0	0	2	MASCOT	T	PLEX8	
4.49E-01	0|0	Cs1g08770.1/Cs1g087	5.33	0	0	2	MASCOT	T	PLEX8	
3.92E-01	0|0	Cs1g08770.1/Cs1g087	5.33	0	0	2	MASCOT	T	PLEX8	
6.94E-03	0|0	Cs1g08770.1/Cs1g087	8.59	0	0	2	MASCOT	T	PLEX8	

6.86E-03	0|0	Cs1g08770.1/Cs1g087	8.59	0	0	2	MASCOT	T	PLEX8	
3.66E-03	0|0	Cs1g08770.1/Cs1g087	8.59	0	0	2	MASCOT	T	PLEX8	
1.06E-01	0|0	Cs1g19900.1/orange1.	4.53	0	0	2	MASCOT	T	PLEX8	
2.87E-03	0|0	Cs1g19900.1/orange1.	8.22	0	0	2	MASCOT	T	PLEX8	
2.25E-02	0|0	Cs1g19900.1/orange1.	8.22	0	0	2	MASCOT	T	PLEX8	
2.33E-02	0|0	Cs1g19900.1/orange1.	8.22	0	0	2	MASCOT	T	PLEX8	
4.87E-02	0|0	Cs1g19900.1/orange1.	8.22	0	0	2	MASCOT	T	PLEX8	
6.24E-03	0|0	Cs1g19900.1	4	0	0	2	MASCOT	T	PLEX8	
1.70E-01	0|0	Cs1g19900.1/orange1.	9.75	0	0	2	MASCOT	T		
4.42E-02	0|0	Cs1g23810.1	8.8	0	0	2	MASCOT	T	PLEX8	
5.47E-02	0|0	Cs1g23810.1	6.79	0	0	2	MASCOT	T		
1.72E-03	0|0	Cs1g23810.1/Cs3g245	8.8	0	0	2	MASCOT	T	PLEX8	
1.24E-02	0|0	Cs1g23810.1/Cs3g245	8.8	0	0	2	MASCOT	T	PLEX8	
5.00E-03	0|0	Cs1g23810.1/Cs3g245	8.8	0	0	2	MASCOT	T	PLEX8	
7.85E-04	0|0	Cs1g23810.1	6.85	0	0	2	MASCOT	T	PLEX8	
1.54E-02	0|0	Cs1g23810.1	6.85	0	0	2	MASCOT	T		
1.34E-03	0|0	Cs1g26210.1/Cs1g262	6.74	0	0	2	MASCOT	T	PLEX8	
2.63E-04	0|0	Cs1g26210.1/Cs1g262	6.74	0	0	2	MASCOT	T	PLEX8	
1.12E-04	0|0	Cs1g26210.1/Cs1g262	6.74	0	0	2	MASCOT	T	PLEX8	
5.48E-04	0|0	Cs1g26210.1/Cs1g262	5.55	0	0	2	MASCOT	T	PLEX8	
8.02E-04	0|0	Cs1g26210.1/Cs1g262	5.55	0	0	2	MASCOT	T	PLEX8	
1.14E-02	0|0	Cs1g26210.1/Cs1g262	6.74	0	0	2	MASCOT	T	PLEX8	
1.56E-04	0|0	Cs1g26210.1/Cs1g262	4.53	0	0	2	MASCOT	T	PLEX8	
1.70E-01	0|0	Cs2g12260.1/Cs2g122	8.59	0	0	2	MASCOT	T	PLEX8	
1.94E-01	0|0	Cs2g12260.1/Cs2g122	8.59	0	0	2	MASCOT	T	PLEX8	
8.41E-02	0|0	Cs2g12260.1/Cs2g122	8.73	0	0	2	MASCOT	T	PLEX8	
1.26E-01	0|0	Cs2g12260.1/Cs2g122	8.73	0	0	2	MASCOT	T		
2.98E-02	0|0	Cs2g12260.1/Cs2g122	4.65	0	15.9	0	2	MASCOT	T	PLEX8
1.48E-03	0|0	Cs2g12260.1/Cs2g122	4.65	0	0	2	MASCOT	T	PLEX8	
2.78E-04	0|0	Cs2g12260.1/Cs2g122	4.65	0	0	2	MASCOT	T	PLEX8	
1.56E-01	0|0	Cs2g20430.1	4.37	0	0	2	MASCOT	T		
1.68E-04	0|0	Cs2g20430.1	4.65	0	0	2	MASCOT	T		
1.65E-06	0|0	Cs2g20430.1	4.65	0	0	2	MASCOT	T		
1.28E-01	0|0	Cs2g20430.1	4.54	0	0	2	MASCOT	T	PLEX8	
3.19E-02	0|0	Cs2g20430.1	4.54	0	0	2	MASCOT	T	PLEX8	
3.40E-02	0|0	Cs2g20430.1	4.54	0	0	2	MASCOT	T	PLEX8	
1.60E-02	0|0	Cs2g20430.1	4.75	0	0	2	MASCOT	T	PLEX8	
2.89E-01	0|0	Cs2g24100.1/Cs2g241	6.05	0	0	2	MASCOT	T	PLEX8	
2.87E-01	0|0	Cs2g24100.1/Cs2g241	4.37	0	15.9	0	2	MASCOT	T	PLEX8
5.00E-02	0|0	Cs2g24100.1/Cs2g241	4.37	0	0	2	MASCOT	T	PLEX8	
2.03E-01	0|0	Cs2g24100.1/Cs2g241	4.37	0	0	2	MASCOT	T		
2.42E-02	0|0	Cs2g24100.1/Cs2g241	4.37	0	0	2	MASCOT	T		
1.92E-02	0|0	Cs2g24100.2	3.92	0	0	2	MASCOT	T	PLEX8	
3.14E-03	0|0	Cs2g24100.2	3.92	0	0	2	MASCOT	T	PLEX8	
3.47E-02	0|0	Cs2g31210.1/Cs2g312	9.75	0	0	2	MASCOT	T		
7.84E-03	0|0	Cs2g31210.1/Cs2g312	6	0	0	2	MASCOT	T		
1.17E-03	0|0	Cs2g31210.1/Cs2g312	6	0	0	2	MASCOT	T		
1.47E-02	0|0	Cs2g31210.1/Cs2g312	8.75	0	0	2	MASCOT	T	PLEX8	
1.65E-02	0|0	Cs2g31210.1/Cs2g312	8.75	0	0	2	MASCOT	T	PLEX8	
1.97E-02	0|0	Cs2g31210.1/Cs2g312	8.75	0	0	2	MASCOT	T	PLEX8	
7.82E-02	0|0	Cs2g31210.1/Cs2g312	6.74	0	0	2	MASCOT	T	PLEX8	

2.58E-03	0|0	Cs3g08660.1	5.4	0	0	2	MASCOT	T	PLEX8	
4.94E-03	0|0	Cs3g08660.1	5.4	0	0	2	MASCOT	T	PLEX8	
4.07E-03	0|0	Cs3g08660.1	9.76	0	0	2	MASCOT	T		
3.69E-02	0|0	Cs3g08660.1	9.76	0	0	2	MASCOT	T	PLEX8	
7.08E-02	0|0	Cs3g08660.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.38E-02	0|0	Cs3g08660.1	8.72	0	0	2	MASCOT	T	PLEX8	
4.96E-03	0|0	Cs3g08660.1	8.72	0	0	2	MASCOT	T	PLEX8	
2.42E-03	0|0	Cs3g22080.1/Cs3g220	5.84	0	0	2	MASCOT	T	PLEX8	
7.45E-03	0|0	Cs3g22080.1/Cs3g220	5.84	0	0	2	MASCOT	T	PLEX8	
1.25E-01	0|0	Cs3g22080.1/Cs3g220	10	0	0	2	MASCOT	T	PLEX8	
2.65E-01	0|0	Cs3g22080.1/Cs3g220	4.14	0	0	2	MASCOT	T		
1.93E-01	0|0	Cs3g22080.1/Cs3g220	8.6	0	0	2	MASCOT	T	PLEX8	
2.12E-01	0|0	Cs3g22080.1/Cs3g220	8.6	0	0	2	MASCOT	T	PLEX8	
4.18E-01	0|0	Cs3g22080.1/Cs3g220	8.6	0	0	2	MASCOT	T	PLEX8	
1.38E-05	0|0	Cs4g07000.1/Cs4g070	8.22	0	0	2	MASCOT	T	PLEX8	
6.41E-04	0|0	Cs4g07000.1/Cs4g070	8.22	0	0	2	MASCOT	T	PLEX8	
8.36E-06	0|0	Cs4g07000.1/Cs4g070	8.22	0	0	2	MASCOT	T	PLEX8	
1.27E-01	0|0	Cs4g07000.1/Cs4g070	6.83	0	0	2	MASCOT	T	PLEX8	
1.87E-02	0|0	Cs4g07000.1/Cs4g070	5.55	0	0	2	MASCOT	T	PLEX8	
2.71E-01	0|0	Cs4g07000.1/Cs4g070	5.55	0	0	2	MASCOT	T	PLEX8	
4.25E-02	0|0	Cs4g07000.1/Cs4g070	4.54	0	0	2	MASCOT	T		
4.77E-02	0|0	gi|113952667/gi|11395	5.4	0	0	2	MASCOT	T		
1.12E-01	0|0	gi|113952667/gi|11395	4.37	0	0	2	MASCOT	T	PLEX8	
6.89E-03	0|0	gi|113952667/gi|11395	4.37	0	0	2	MASCOT	T	PLEX8	
4.13E-03	0|0	gi|113952667/gi|11395	4.37	0	0	2	MASCOT	T	PLEX8	
2.83E-01	0|0	gi|113952667/gi|11395	8.31	0	0	2	MASCOT	T	PLEX8	
1.01E-01	0|0	gi|113952667/gi|11395	9.8	0	0	2	MASCOT	T		
3.00E-02	0|0	gi|113952667/gi|11395	9.8	0	0	2	MASCOT	T		
5.43E-02	0|0	Cs4g17540.1	6.01	0	15.9	0	2	MASCOT	T	
3.56E-04	0|0	Cs4g17540.1	6.01	0	0	2	MASCOT	T		
1.08E-03	0|0	Cs4g17540.1	6.01	0	0	2	MASCOT	T		
6.02E-03	0|0	Cs4g17540.1	6.41	0	0	2	MASCOT	T	PLEX8	
1.09E-03	0|0	Cs4g17540.1	4.37	0	0	2	MASCOT	T		
3.55E-01	0|0	Cs4g17540.1	4.37	0	0	2	MASCOT	T		
2.26E-01	0|0	Cs4g17540.1	9.75	0	0	2	MASCOT	T	PLEX8	
3.06E-03	0|0	Cs5g04880.1/Cs5g048	6.05	0	0	2	MASCOT	T	PLEX8	
9.83E-03	0|0	Cs5g04880.1/Cs5g048	4.14	0	0	2	MASCOT	T		
2.58E-02	0|0	Cs5g04880.1/Cs5g048	4.14	0	0	2	MASCOT	T	PLEX8	
8.42E-02	0|0	Cs5g04880.1/Cs5g048	8.59	0	0	2	MASCOT	T	PLEX8	
2.51E-02	0|0	Cs5g04880.1/Cs5g048	8.59	0	0	2	MASCOT	T	PLEX8	
7.54E-02	0|0	Cs5g04880.1/Cs5g048	8.59	0	0	2	MASCOT	T	PLEX8	
1.44E-01	0|0	Cs5g04880.1/Cs5g048	8.59	0	0	2	MASCOT	T		
2.23E-03	0|0	Cs5g12830.1/Cs5g128	4.37	0	0	2	MASCOT	T		
1.25E-05	0|0	Cs5g12830.1/Cs5g128	4.37	0	0	2	MASCOT	T		
3.53E-04	0|0	Cs5g12830.1/Cs5g128	5.4	0	15.9	0	2	MASCOT	T	PLEX8
2.42E-01	0|0	Cs5g12830.1/Cs5g128	5.4	0	15.9	0	2	MASCOT	T	
5.94E-01	0|0	Cs5g12830.1/Cs5g128	4.37	0	15.9	0	2	MASCOT	T	PLEX8
1.39E-04	0|0	Cs5g12830.1/Cs5g128	4.37	0	0	2	MASCOT	T	PLEX8	
8.16E-02	0|0	Cs5g12830.2	5.97	0	0	2	MASCOT	T	PLEX8	
1.53E-01	0|0	Cs5g18250.1/Cs5g182	6.46	0	0	2	MASCOT	T	PLEX8	
1.75E-01	0|0	Cs5g18250.1/Cs5g182	6.74	0	0	2	MASCOT	T	PLEX8	

2.06E-01	0|0	Cs5g18250.1/Cs5g182	6.74	0	0	2	MASCOT	T	PLEX8	
5.08E-02	0|0	Cs5g18250.1/Cs5g182	8.76	0	0	2	MASCOT	T	PLEX8	
4.07E-04	0|0	Cs5g18250.1/Cs5g182	4.37	0	0	2	MASCOT	T	PLEX8	
4.33E-04	0|0	Cs5g18250.1/Cs5g182	4.37	0	0	2	MASCOT	T	PLEX8	
9.39E-03	0|0	Cs5g18250.1/Cs5g182	4.37	0	0	2	MASCOT	T	PLEX8	
3.89E-01	0|0	Cs5g25680.1/Cs5g257	5.88	0	0	2	MASCOT	T	PLEX8	
2.02E-01	0|0	Cs5g25680.1/Cs5g257	5.88	0	0	2	MASCOT	T		
2.17E-01	0|0	Cs5g25660.1/Cs5g256	5.84	0	0	2	MASCOT	T	PLEX8	
1.94E-01	0|0	Cs5g25660.1/Cs5g256	5.84	0	0	2	MASCOT	T	PLEX8	
1.31E-01	0|0	Cs5g25740.1	5.84	0	0	2	MASCOT	T	PLEX8	
1.62E-01	0|0	Cs5g25740.1	4.43	0	0	2	MASCOT	T	PLEX8	
1.67E-01	0|0	Cs5g25740.1	4.43	0	0	2	MASCOT	T	PLEX8	
8.92E-02	0|0	Cs5g27720.1/Cs5g277	9.76	0	0	2	MASCOT	T	PLEX8	
3.32E-02	0|0	Cs5g27720.1/Cs5g277	5.99	0	0	2	MASCOT	T	PLEX8	
1.95E-03	0|0	Cs5g27720.1/Cs5g277	5.99	0	0	2	MASCOT	T	PLEX8	
1.52E-01	0|0	Cs5g27720.1/Cs5g277	4.53	0	0	2	MASCOT	T		
8.71E-02	0|0	Cs5g27720.1/Cs5g277	4.53	0	0	2	MASCOT	T		
1.15E-02	0|0	Cs5g27720.1/Cs5g277	4.53	0	0	2	MASCOT	T		
2.01E-01	0|0	Cs5g27720.1/Cs5g277	6.5	0	0	2	MASCOT	T	PLEX8	
4.07E-02	0|0	Cs5g07210.1/Cs5g072	4.37	0	0	2	MASCOT	T	PLEX8	
3.76E-02	0|0	Cs5g07210.1/Cs5g072	4.37	0	0	2	MASCOT	T	PLEX8	
7.47E-02	0|0	Cs7g10590.1/Cs7g105	4.53	0	0	2	MASCOT	T	PLEX8	
8.07E-02	0|0	Cs7g10590.1/Cs7g105	4.53	0	0	2	MASCOT	T	PLEX8	
1.13E-01	0|0	Cs5g07210.1/Cs5g072	4.53	0	0	2	MASCOT	T	PLEX8	
1.21E-01	0|0	Cs5g07210.1/Cs5g072	4.53	0	0	2	MASCOT	T	PLEX8	
2.60E-01	0|0	Cs5g07210.1/Cs5g072	5.32	0	0	2	MASCOT	T	PLEX8	
6.57E-02	0|0	Cs7g16410.1	5.32	0	15.9	0	2	MASCOT	T	PLEX8
4.01E-02	0|0	Cs7g16410.1	5.32	0	0	2	MASCOT	T	PLEX8	
2.18E-01	0|0	Cs7g16410.1/Cs7g164	4.37	0	0	2	MASCOT	T	PLEX8	
2.06E-02	0|0	Cs7g16410.1/Cs7g164	4.37	0	0	2	MASCOT	T	PLEX8	
9.25E-02	0|0	Cs7g16410.1/Cs7g164	5.81	0	0	2	MASCOT	T	PLEX8	
4.68E-02	0|0	Cs7g16410.1/Cs7g164	5.81	0	0	2	MASCOT	T	PLEX8	
2.30E-01	0|0	Cs7g16410.1/Cs7g164	5.81	0	0	2	MASCOT	T	PLEX8	
4.77E-02	0|0	Cs7g28790.1/Cs7g287	8.75	0	0	2	MASCOT	T	PLEX8	
1.41E-01	0|0	Cs7g28790.1/Cs7g287	8.75	0	0	2	MASCOT	T	PLEX8	
4.28E-03	0|0	Cs7g28790.1/Cs7g287	4.72	0	0	2	MASCOT	T		
2.87E-03	0|0	Cs7g28790.1/Cs7g287	4.72	0	0	2	MASCOT	T		
3.60E-01	0|0	Cs7g28790.1/Cs7g287	5.84	0	0	2	MASCOT	T	PLEX8	
7.08E-02	0|0	Cs7g28790.1/Cs7g287	5.81	0	0	2	MASCOT	T	PLEX8	
1.64E-01	0|0	Cs7g28790.1/Cs7g287	5.81	0	0	2	MASCOT	T	PLEX8	
3.20E-02	0|0	Cs9g01930.1/Cs9g019	4.4	0	0	2	MASCOT	T	PLEX8	
2.94E-02	0|0	Cs3g14920.1/Cs3g149	4.56	1	0	2	MASCOT	T	PLEX8	
1.02E-01	0|0	Cs3g11010.1/Cs3g111	6.71	0	0	2	MASCOT	T	PLEX8	
2.76E-05	0|0	Cs3g11010.1/Cs3g111	6.71	0	0	2	MASCOT	T	PLEX8	
3.33E-01	0|0	Cs3g11010.1/Cs3g111	6.71	0	0	2	MASCOT	T		
8.08E-02	0|0	Cs3g11010.1/Cs3g111	6.71	0	0	2	MASCOT	T		
1.13E-01	0|0	Cs3g14920.1/Cs3g149	4.14	0	0	2	MASCOT	T	PLEX8	
5.16E-03	0|0	Cs9g06570.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.97E-01	0|0	Cs9g06570.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.26E-01	0|0	Cs9g06570.1/Cs9g065	5.21	0	0	2	MASCOT	T	PLEX8	
2.36E-02	0|0	Cs9g06570.1/Cs9g065	5.21	0	0	2	MASCOT	T	PLEX8	

3.05E-02	0|0	Cs9g06570.1/Cs9g065	8.59	0	0	2	MASCOT	T	PLEX8
3.38E-03	0|0	Cs9g06570.1/Cs9g065	8.59	0	0	2	MASCOT	T	PLEX8
4.67E-02	0|0	Cs9g06570.1/Cs9g065	6.41	0	0	2	MASCOT	T	PLEX8
1.02E-01	0|0	Cs1g20020.1/Cs1g200	5.84	0	0	2	MASCOT	T	
6.51E-03	0|0	Cs1g20020.1/Cs1g200	5.84	0	0	2	MASCOT	T	
7.98E-02	0|0	orange1.1t01969.1/ora	5.84	0	0	2	MASCOT	T	PLEX8
8.39E-02	0|0	Cs1g20020.1/Cs1g200	5.32	0	0	2	MASCOT	T	PLEX8
1.31E-07	0|0	Cs1g20020.1/Cs1g200	5.32	0	0	2	MASCOT	T	PLEX8
1.18E-06	0|0	Cs1g20020.1/Cs1g200	5.32	0	0	2	MASCOT	T	PLEX8
8.57E-02	0|0	orange1.1t01969.1/ora	8.72	0	0	2	MASCOT	T	PLEX8
3.05E-02	0|0	Cs2g25690.1/Cs2g256	4.53	0	0	2	MASCOT	T	PLEX8
1.21E-02	0|0	orange1.1t02616.1/ora	8.75	0	0	2	MASCOT	T	PLEX8
1.58E-02	0|0	Cs2g25690.1/Cs2g256	8.75	0	0	2	MASCOT	T	PLEX8
1.84E-01	0|0	Cs2g25690.1/Cs2g256	8.75	0	0	2	MASCOT	T	PLEX8
4.30E-01	0|0	Cs2g25690.1/Cs2g256	8.75	0	0	2	MASCOT	T	PLEX8
1.09E-01	0|0	Cs2g25690.1/Cs2g256	7.89	0	0	2	MASCOT	T	PLEX8
6.97E-03	0|0	Cs2g25690.1/Cs2g256	7.89	0	0	2	MASCOT	T	PLEX8
1.13E-02	0|0	Cs1g16760.1/Cs1g167	4.37	0	0	2	MASCOT	T	PLEX8
5.72E-03	0|0	Cs1g16760.1/Cs1g167	5.84	0	0	2	MASCOT	T	
1.01E-02	0|0	Cs1g16760.1/Cs1g167	5.84	0	0	2	MASCOT	T	
2.89E-04	0|0	Cs1g16760.1/Cs1g167	5.84	0	0	2	MASCOT	T	PLEX8
1.59E-03	0|0	Cs1g16760.1/Cs1g167	5.84	0	0	2	MASCOT	T	PLEX8
1.34E-02	0|0	Cs1g16760.1/Cs1g167	5.84	0	0	2	MASCOT	T	PLEX8
1.02E-01	0|0	Cs1g18280.1	6.05	0	0	2	MASCOT	T	PLEX8
6.22E-02	0|0	Cs1g18280.1	5.83	0	0	2	MASCOT	T	PLEX8
8.92E-02	0|0	Cs1g18280.1	5.83	0	0	2	MASCOT	T	PLEX8
4.28E-03	0|0	Cs1g18280.1	4.56	0	0	2	MASCOT	T	PLEX8
4.19E-03	0|0	Cs1g18280.1	4.56	0	0	2	MASCOT	T	PLEX8
1.27E-02	0|0	Cs1g18280.1	8.76	0	0	2	MASCOT	T	PLEX8
7.10E-02	0|0	Cs1g12670.1/Cs1g126	8.8	0	0	2	MASCOT	T	PLEX8
3.90E-04	0|0	Cs1g22450.1/Cs1g224	5.88	0	0	2	MASCOT	T	PLEX8
1.26E-02	0|0	Cs1g22450.1/Cs1g224	8.75	0	0	2	MASCOT	T	PLEX8
1.21E-01	0|0	Cs1g22450.2/Cs1g224	5.84	0	0	2	MASCOT	T	PLEX8
9.12E-02	0|0	Cs1g22450.2/Cs1g224	5.84	0	0	2	MASCOT	T	PLEX8
8.71E-02	0|0	Cs1g22450.2/Cs1g224	5.84	0	0	2	MASCOT	T	PLEX8
2.74E-01	0|0	Cs2g14930.1	8.26	0	0	2	MASCOT	T	PLEX8
2.20E-02	0|0	Cs2g14930.1	8.26	0	0	2	MASCOT	T	PLEX8
2.03E-01	0|0	Cs2g14930.1	8.26	0	0	2	MASCOT	T	PLEX8
7.43E-04	0|0	Cs2g14930.1	4.37	0	0	2	MASCOT	T	
2.27E-01	0|0	Cs2g14930.1	3.84	0	0	2	MASCOT	T	PLEX8
9.03E-02	0|0	Cs2g14930.1	5.72	0	0	2	MASCOT	T	PLEX8
6.25E-02	0|0	Cs3g12590.1/Cs3g125	6.19	0	0	2	MASCOT	T	PLEX8
4.36E-02	0|0	Cs3g12590.1/Cs3g125	5.97	0	0	2	MASCOT	T	PLEX8
1.01E-04	0|0	Cs3g12590.1	4.14	0	0	2	MASCOT	T	PLEX8
2.30E-06	0|0	Cs3g12590.1	4.14	0	0	2	MASCOT	T	PLEX8
2.87E-02	0|0	Cs3g12590.1/Cs3g125	6	0	0	2	MASCOT	T	PLEX8
1.60E-01	0|0	Cs3g12590.1/Cs3g125	6	0	0	2	MASCOT	T	PLEX8
1.96E-03	0|0	Cs3g17480.1/Cs3g174	4	0	0	2	MASCOT	T	
1.12E-01	0|0	Cs3g17480.1/Cs3g174	6	0	0	2	MASCOT	T	PLEX8
1.46E-04	0|0	Cs3g17480.1/Cs3g174	5.4	0	0	2	MASCOT	T	PLEX8
4.97E-05	0|0	Cs3g17480.1/Cs3g174	5.4	0	0	2	MASCOT	T	PLEX8

1.27E-01	0|0	Cs3g17480.1/Cs3g174	5.4	0	0	2	MASCOT	T	
2.62E-01	0|0	Cs3g17480.1/Cs3g174	4.53	0	0	2	MASCOT	T	PLEX8
1.34E-02	0|0	Cs3g23620.1	4.37	0	0	2	MASCOT	T	PLEX8
1.44E-02	0|0	Cs3g23620.1	4.37	0	0	2	MASCOT	T	PLEX8
1.76E-02	0|0	Cs3g23620.1/Cs3g236	7.96	0	0	2	MASCOT	T	PLEX8
2.35E-01	0|0	Cs3g23620.1/Cs3g236	7.96	0	0	2	MASCOT	T	PLEX8
1.60E-02	0|0	Cs3g23620.1/Cs3g236	4.14	0	0	2	MASCOT	T	
2.07E-01	0|0	Cs3g23620.1/Cs3g236	8.18	0	0	2	MASCOT	T	PLEX8
3.70E-05	0|0	Cs4g10620.1	5.33	0	0	2	MASCOT	T	PLEX8
2.68E-06	0|0	Cs4g10620.1	5.33	0	0	2	MASCOT	T	PLEX8
1.72E-02	0|0	Cs4g10620.1	8.06	0	0	2	MASCOT	T	PLEX8
1.27E-02	0|0	Cs4g10620.1	8.06	0	0	2	MASCOT	T	PLEX8
9.48E-02	0|0	Cs4g10620.1/Cs4g110	4.37	0	0	2	MASCOT	T	
2.13E-01	0|0	Cs4g10620.1/Cs4g110	4.37	0	0	2	MASCOT	T	PLEX8
7.98E-02	0|0	Cs5g05660.1/Cs5g056	6.1	0	0	2	MASCOT	T	PLEX8
1.93E-01	0|0	Cs2g27730.1 ! Cs5g05	8.41	0	0	2	MASCOT	T	PLEX8
5.65E-02	0|0	Cs2g27730.1 ! Cs5g05	8.41	0	0	2	MASCOT	T	PLEX8
3.18E-02	0|0	Cs5g05660.1/Cs5g056	3.92	0	0	2	MASCOT	T	
1.33E-02	0|0	Cs5g05660.1/Cs5g056	4.21	0	0	2	MASCOT	T	PLEX8
6.39E-04	0|0	Cs5g05660.1/Cs5g056	4.21	0	0	2	MASCOT	T	PLEX8
5.61E-02	0|0	Cs5g16990.2	6	0	0	2	MASCOT	T	PLEX8
5.21E-02	0|0	Cs5g16990.2	6.85	0	0	2	MASCOT	T	PLEX8
4.17E-02	0|0	Cs5g16990.2	6.85	0	0	2	MASCOT	T	PLEX8
2.95E-02	0|0	Cs5g16990.1/Cs5g169	6.75	0	0	2	MASCOT	T	PLEX8
2.52E-02	0|0	Cs5g16990.1/Cs5g169	6.75	0	0	2	MASCOT	T	PLEX8
1.19E-05	0|0	Cs5g16990.1/Cs5g169	9.76	0	0	2	MASCOT	T	PLEX8
2.05E-03	0|0	Cs5g26050.1/Cs5g260	5.72	0	0	2	MASCOT	T	PLEX8
9.84E-02	0|0	Cs5g26050.1/Cs5g260	8.44	0	0	2	MASCOT	T	PLEX8
1.03E-04	0|0	Cs5g26050.1/Cs5g260	8.8	0	0	2	MASCOT	T	
1.21E-04	0|0	Cs5g26050.1/Cs5g260	8.8	0	0	2	MASCOT	T	
2.49E-02	0|0	Cs5g26050.1/Cs5g260	6.75	0	0	2	MASCOT	T	PLEX8
1.58E-02	0|0	Cs5g26050.1/Cs5g260	6.75	0	0	2	MASCOT	T	
6.72E-02	0|0	Cs5g27970.1	4.03	0	0	2	MASCOT	T	PLEX8
9.28E-02	0|0	Cs5g27970.1	4.37	0	0	2	MASCOT	T	PLEX8
2.63E-01	0|0	Cs5g27970.1	4.22	0	0	2	MASCOT	T	PLEX8
5.45E-06	0|0	Cs5g27970.1	5.32	0	0	2	MASCOT	T	PLEX8
3.16E-03	0|0	Cs5g27970.1	5.32	0	0	2	MASCOT	T	PLEX8
4.27E-03	0|0	Cs5g27970.1	5.32	0	0	2	MASCOT	T	PLEX8
5.41E-01	0|0	Cs5g33220.1	4.56	0	0	2	MASCOT	T	PLEX8
6.71E-04	0|0	Cs5g33220.1/Cs9g042	4.37	0	0	2	MASCOT	T	PLEX8
1.69E-01	0|0	Cs5g33220.1/Cs9g042	4.37	0	0	2	MASCOT	T	PLEX8
2.34E-01	0|0	Cs5g33220.1/Cs9g042	4.37	0	0	2	MASCOT	T	PLEX8
2.40E-03	0|0	Cs5g33220.1	5.84	0	0	2	MASCOT	T	PLEX8
1.52E-02	0|0	Cs5g33220.1	8.75	0	0	2	MASCOT	T	PLEX8
1.72E-02	0|0	Cs6g02920.1/Cs6g029	8.22	0	0	2	MASCOT	T	PLEX8
2.41E-01	0|0	Cs6g22090.1/Cs6g220	5.81	0	0	2	MASCOT	T	PLEX8
1.49E-01	0|0	Cs6g22090.1/Cs6g220	5.99	0	0	2	MASCOT	T	PLEX8
2.39E-01	0|0	Cs6g22090.1/Cs6g220	4.37	0	0	2	MASCOT	T	PLEX8
5.49E-02	0|0	Cs6g22090.1/Cs6g220	4.37	0	0	2	MASCOT	T	PLEX8
1.06E-01	0|0	Cs6g22090.1/Cs6g220	4.37	0	0	2	MASCOT	T	PLEX8
8.65E-02	0|0	Cs7g01710.1/Cs7g017	4.17	0	0	2	MASCOT	T	PLEX8

5.21E-02	0|0	Cs7g01710.1/Cs7g017	4.17	0	0	2	MASCOT	T	PLEX8	
5.38E-03	0|0	Cs7g01710.1/Cs7g017	4.17	0	0	2	MASCOT	T	PLEX8	
1.74E-03	0|0	Cs7g01710.1/Cs7g017	4.21	0	0	2	MASCOT	T	PLEX8	
2.21E-02	0|0	Cs7g01700.1/Cs7g017	6	0	0	2	MASCOT	T		
9.39E-02	0|0	Cs7g01710.1/Cs7g017	5.84	0	0	2	MASCOT	T	PLEX8	
2.70E-01	0|0	Cs7g02110.1 ! Cs7g02	8.75	0	15.9	0	2	MASCOT	T	PLEX8
1.09E-01	0|0	Cs7g02110.1 ! Cs7g02	8.75	0	15.9	0	2	MASCOT	T	PLEX8
2.51E-02	0|0	Cs7g02110.1/Cs7g021	5.88	0	0	2	MASCOT	T		
1.21E-03	0|0	Cs7g02110.1/Cs7g021	5.88	0	0	2	MASCOT	T		
4.69E-02	0|0	Cs7g02110.1/Cs7g021	6.74	0	0	2	MASCOT	T		
2.68E-02	0|0	Cs7g02110.1/Cs7g021	4.53	0	0	2	MASCOT	T	PLEX8	
2.31E-04	0|0	Cs7g13850.1	5.84	0	0	2	MASCOT	T	PLEX8	
1.81E-02	0|0	Cs7g13850.1	5.38	0	0	2	MASCOT	T	PLEX8	
7.78E-03	0|0	Cs7g13850.1	5.84	0	0	2	MASCOT	T		
1.70E-01	0|0	Cs7g13850.1	6.75	0	0	2	MASCOT	T	PLEX8	
4.84E-04	0|0	Cs7g13850.1	6.75	0	0	2	MASCOT	T	PLEX8	
1.13E-06	0|0	Cs7g13850.1	6.75	0	0	2	MASCOT	T	PLEX8	
6.32E-02	0|0	Cs7g18970.1	8.75	0	0	2	MASCOT	T		
3.14E-03	0|0	Cs7g18970.1	6.75	0	0	2	MASCOT	T	PLEX8	
3.30E-02	0|0	Cs7g18970.1	5.98	0	0	2	MASCOT	T	PLEX8	
1.44E-01	0|0	Cs7g18970.1	5.98	0	0	2	MASCOT	T	PLEX8	
4.27E-02	0|0	Cs7g18970.1	5.98	0	0	2	MASCOT	T	PLEX8	
2.77E-01	0|0	Cs7g18970.1	8.22	0	0	2	MASCOT	T	PLEX8	
2.60E-01	0|0	Cs7g22730.1	6.75	0	0	2	MASCOT	T	PLEX8	
3.12E-05	0|0	Cs7g22730.1	6.75	0	0	2	MASCOT	T	PLEX8	
2.03E-03	0|0	Cs7g16080.1/Cs7g160	4.21	0	0	2	MASCOT	T	PLEX8	
1.16E-02	0|0	Cs7g16080.1/Cs7g160	4.21	0	0	2	MASCOT	T	PLEX8	
7.67E-02	0|0	Cs7g16080.1/Cs7g160	8.59	0	0	2	MASCOT	T		
5.01E-02	0|0	Cs7g22730.1	5.4	0	0	2	MASCOT	T	PLEX8	
1.56E-02	0|0	Cs7g28910.1/Cs7g289	4.53	0	0	2	MASCOT	T	PLEX8	
2.90E-03	0|0	Cs7g28910.1/Cs7g289	6.74	0	0	2	MASCOT	T	PLEX8	
1.16E-02	0|0	Cs7g28910.1/Cs7g289	6.74	0	0	2	MASCOT	T	PLEX8	
3.75E-02	0|0	Cs7g28910.1/Cs7g289	6.75	0	0	2	MASCOT	T	PLEX8	
1.91E-01	0|0	Cs7g28910.1/Cs7g289	6.75	0	0	2	MASCOT	T		
1.56E-03	0|0	Cs7g28910.1/Cs7g289	5.32	0	15.9	0	2	MASCOT	T	
8.59E-02	0|0	Cs8g07660.1/Cs8g076	5.84	0	0	2	MASCOT	T	PLEX8	
9.38E-02	0|0	Cs8g07660.1/Cs8g076	5.84	0	0	2	MASCOT	T	PLEX8	
2.86E-03	0|0	Cs8g07660.1/Cs8g076	4.21	0	0	2	MASCOT	T		
4.29E-04	0|0	Cs8g07660.1/Cs8g076	5.96	1	0	2	MASCOT	T	PLEX8	
1.33E-04	0|0	Cs8g07660.1/Cs8g076	5.96	1	0	2	MASCOT	T	PLEX8	
1.22E-01	0|0	Cs8g07660.1/Cs8g076	4.53	0	0	2	MASCOT	T	PLEX8	
1.50E-02	0|0	Cs9g03990.1/Cs9g039	5.32	0	0	2	MASCOT	T	PLEX8	
7.23E-03	0|0	Cs9g03990.1/Cs9g039	6.79	0	0	2	MASCOT	T	PLEX8	
1.35E-02	0|0	Cs9g03990.1/Cs9g039	6.79	0	0	2	MASCOT	T	PLEX8	
9.86E-04	0|0	Cs9g03990.1/Cs9g039	4.54	0	0	2	MASCOT	T	PLEX8	
1.65E-04	0|0	Cs9g03990.1/Cs9g039	4.54	0	0	2	MASCOT	T		
1.38E-01	0|0	Cs9g03990.1/Cs9g040	8.72	0	0	2	MASCOT	T	PLEX8	
5.55E-02	0|0	Cs9g10140.1/Cs9g101	5.84	0	0	2	MASCOT	T	PLEX8	
6.89E-02	0|0	Cs2g23270.1/Cs5g138	4.21	0	15.9	0	2	MASCOT	T	
5.26E-02	0|0	Cs2g23270.1/Cs5g138	4.21	0	0	2	MASCOT	T		
3.43E-01	0|0	Cs2g23270.1/Cs5g138	5.84	0	0	2	MASCOT	T	PLEX8	

1.29E-01 0|0	Cs2g23270.1/Cs5g138	5.84	0	0	2 MASCOT	T	PLEX8
1.17E-01 0|0	Cs2g23270.1/Cs5g138	8.56	0	0	2 MASCOT	T	PLEX8
8.01E-02 0|0	Cs9g19340.1	8.8	0	0	2 MASCOT	T	PLEX8
8.38E-07 0|0	Cs9g19340.1	8.22	0	0	2 MASCOT	T	
6.41E-06 0|0	Cs9g19340.1	8.22	0	0	2 MASCOT	T	
8.65E-02 0|0	Cs9g19340.1	5.55	0	0	2 MASCOT	T	PLEX8
8.13E-03 0|0	Cs9g19340.1	5.55	0	0	2 MASCOT	T	PLEX8
1.35E-02 0|0	Cs9g19340.1	6.46	0	0	2 MASCOT	T	PLEX8
7.75E-02 0|0	orange1.1t00323.1/ora	5.84	0	0	2 MASCOT	T	PLEX8
4.17E-02 0|0	orange1.1t00323.1/ora	5.84	0	0	2 MASCOT	T	
1.79E-03 0|0	orange1.1t00323.1/ora	4.25	0	0	2 MASCOT	T	
4.64E-07 0|0	orange1.1t00323.1/ora	4.25	0	0	2 MASCOT	T	PLEX8
5.68E-07 0|0	orange1.1t00323.1/ora	4.25	0	0	2 MASCOT	T	
3.45E-02 0|0	orange1.1t00323.1/ora	5.84	0	15.9	2 MASCOT	T	
1.86E-02 0|0	orange1.1t04983.1/ora	5.32	0	0	2 MASCOT	T	PLEX8
3.52E-02 0|0	orange1.1t04983.1/ora	6	0	0	2 MASCOT	T	
2.25E-02 0|0	orange1.1t04983.1/ora	6	0	0	2 MASCOT	T	PLEX8
7.13E-02 0|0	Cs8g14890.1/orange1.	8.75	0	0	2 MASCOT	T	PLEX8
1.32E-01 0|0	Cs9g15870.1/orange1.	9.76	0	0	2 MASCOT	T	PLEX8
1.52E-01 0|0	Cs9g15870.1/orange1.	9.76	0	0	2 MASCOT	T	PLEX8
7.99E-04 0|0	Cs1g05590.1/Cs1g055	4.4	0	0	2 MASCOT	T	PLEX8
1.06E-05 0|0	Cs1g05590.1/Cs1g055	4.83	1	0	2 MASCOT	T	PLEX8
4.70E-02 0|0	Cs1g05590.1/Cs1g055	5.8	0	0	2 MASCOT	T	PLEX8
8.89E-03 0|0	Cs1g05590.1/Cs1g055	8.75	0	0	2 MASCOT	T	PLEX8
1.17E-02 0|0	Cs1g05590.1/Cs1g055	8.75	0	0	2 MASCOT	T	PLEX8
2.49E-01 0|0	Cs1g08360.1/Cs1g083	9.6	0	0	2 MASCOT	T	PLEX8
1.50E-02 0|0	Cs1g08360.1/Cs1g083	5.21	0	0	2 MASCOT	T	PLEX8
2.21E-01 0|0	Cs1g08360.1/Cs1g083	5.21	0	0	2 MASCOT	T	
1.73E-01 0|0	Cs1g08360.1/Cs1g083	6.85	0	0	2 MASCOT	T	
6.86E-03 0|0	Cs1g08360.1/Cs1g083	4.37	0	0	2 MASCOT	T	
8.79E-03 0|0	Cs1g13620.1/Cs1g136	5.5	0	0	2 MASCOT	T	
4.42E-02 0|0	Cs1g13720.1/Cs1g137	4.03	0	0	2 MASCOT	T	
1.70E-03 0|0	Cs1g13690.1/Cs1g136	8.75	0	0	2 MASCOT	T	
2.72E-03 0|0	Cs1g13690.1/Cs1g136	8.75	0	0	2 MASCOT	T	PLEX8
1.07E-01 0|0	Cs6g15280.1 ! Cs1g13	5.81	0	0	2 MASCOT	T	PLEX8
6.50E-02 0|0	Cs1g16580.1	4.53	0	0	2 MASCOT	T	PLEX8
6.30E-03 0|0	Cs1g16580.1/Cs4g086	4.53	0	0	2 MASCOT	T	
1.00E-03 0|0	Cs1g16580.1	6.41	0	0	2 MASCOT	T	PLEX8
4.27E-03 0|0	Cs1g16580.1	6.72	0	0	2 MASCOT	T	PLEX8
7.42E-02 0|0	Cs1g16580.1	6.72	0	0	2 MASCOT	T	PLEX8
8.85E-02 0|0	Cs1g23730.1/Cs1g237	4.37	0	0	2 MASCOT	T	PLEX8
3.51E-02 0|0	Cs1g23730.1/Cs1g237	8.72	0	0	2 MASCOT	T	PLEX8
1.32E-03 0|0	Cs1g23730.1/Cs1g237	8.72	0	0	2 MASCOT	T	PLEX8
1.27E-01 0|0	Cs1g23730.1/Cs1g237	5.97	0	0	2 MASCOT	T	PLEX8
5.44E-03 0|0	Cs1g23730.1/Cs1g237	4.37	0	0	2 MASCOT	T	PLEX8
5.23E-02 0|0	Cs2g03010.1/Cs2g030	9.8	0	0	2 MASCOT	T	PLEX8
3.86E-01 0|0	Cs2g03010.1/Cs2g030	4.37	0	0	2 MASCOT	T	PLEX8
3.02E-01 0|0	Cs2g03010.1/Cs2g030	4.37	0	0	2 MASCOT	T	PLEX8
3.63E-03 0|0	Cs2g03010.1/Cs2g030	6.79	0	0	2 MASCOT	T	PLEX8
1.23E-01 0|0	Cs2g03010.1/Cs2g030	5.97	0	0	2 MASCOT	T	
2.13E-01 0|0	Cs2g04990.1	8.31	0	0	2 MASCOT	T	PLEX8

1.83E-01	0|0	Cs2g04990.1/Cs2g049	5.84	0	0	2	MASCOT	T	
9.28E-04	0|0	Cs2g04990.1/Cs2g049	5.84	0	0	2	MASCOT	T	
6.55E-04	0|0	Cs2g04990.1	6	0	0	2	MASCOT	T	PLEX8
1.21E-01	0|0	Cs2g04990.1	8.75	1	0	2	MASCOT	T	PLEX8
1.23E-01	0|0	Cs2g08320.1/Cs2g083	5.88	0	0	2	MASCOT	T	PLEX8
6.63E-02	0|0	Cs2g08320.1/Cs2g083	4.68	1	0	2	MASCOT	T	PLEX8
2.80E-02	0|0	Cs2g08320.1/Cs2g083	4.53	0	0	2	MASCOT	T	PLEX8
6.27E-03	0|0	Cs2g08320.1/Cs2g083	4.53	0	0	2	MASCOT	T	PLEX8
2.19E-01	0|0	Cs2g08320.1/Cs2g083	8.47	0	0	2	MASCOT	T	PLEX8
2.66E-04	0|0	Cs2g12550.2	6.23	1	0	2	MASCOT	T	PLEX8
2.12E-01	0|0	Cs2g12550.2	4.53	0	0	2	MASCOT	T	PLEX8
1.37E-01	0|0	Cs2g12550.2	4.53	0	0	2	MASCOT	T	PLEX8
4.71E-02	0|0	Cs2g12550.1/Cs2g125	8.25	0	0	2	MASCOT	T	PLEX8
2.33E-01	0|0	Cs2g12550.1/Cs2g125	9.75	0	0	2	MASCOT	T	PLEX8
6.57E-04	0|0	Cs2g15280.1/Cs2g152	6.74	0	0	2	MASCOT	T	PLEX8
7.82E-03	0|0	Cs2g15280.1/Cs2g152	3.93	0	0	2	MASCOT	T	PLEX8
2.82E-03	0|0	Cs2g15280.1/Cs2g152	4.37	0	0	2	MASCOT	T	PLEX8
8.78E-02	0|0	Cs2g15280.1/Cs2g152	4.37	0	0	2	MASCOT	T	PLEX8
8.15E-02	0|0	Cs2g15280.1/Cs2g152	4.14	0	0	2	MASCOT	T	PLEX8
6.57E-02	0|0	Cs2g17930.1	4.37	0	0	2	MASCOT	T	PLEX8
2.28E-02	0|0	Cs2g17930.1	4	0	0	2	MASCOT	T	PLEX8
2.01E-02	0|0	Cs2g17930.1	8.49	0	0	2	MASCOT	T	
4.16E-02	0|0	Cs2g17930.1 ! orange|	6.75	0	0	2	MASCOT	T	PLEX8
1.14E-01	0|0	Cs2g17930.1 ! orange|	6.75	0	0	2	MASCOT	T	PLEX8
1.24E-01	0|0	Cs2g19180.1/Cs2g191	5.84	0	0	2	MASCOT	T	PLEX8
2.05E-04	0|0	Cs2g19180.1/Cs2g191	8.79	0	0	2	MASCOT	T	PLEX8
1.96E-02	0|0	Cs2g19180.1/Cs2g191	8.79	0	0	2	MASCOT	T	PLEX8
2.80E-02	0|0	Cs2g01620.1/Cs2g016	5.83	0	0	2	MASCOT	T	
4.14E-01	0|0	Cs2g19180.1/Cs2g191	5.21	0	0	2	MASCOT	T	PLEX8
7.58E-02	0|0	Cs3g14710.1/Cs3g147	6.05	0	0	2	MASCOT	T	PLEX8
4.32E-03	0|0	Cs3g14710.1/Cs3g147	6.05	0	0	2	MASCOT	T	PLEX8
8.89E-04	0|0	Cs3g14710.1/Cs3g147	3.83	0	0	2	MASCOT	T	
2.23E-02	0|0	Cs3g14730.1/Cs3g147	5.21	0	0	2	MASCOT	T	PLEX8
5.38E-04	0|0	Cs3g14710.1/Cs3g147	4.18	1	0	2	MASCOT	T	PLEX8
2.78E-01	0|0	Cs3g22360.1	4.37	0	0	2	MASCOT	T	PLEX8
1.15E-02	0|0	Cs3g22360.1	8.41	0	0	2	MASCOT	T	PLEX8
4.01E-02	0|0	Cs3g22360.1	6	0	0	2	MASCOT	T	PLEX8
1.66E-01	0|0	Cs3g22360.1	6	0	0	2	MASCOT	T	PLEX8
4.74E-01	0|0	Cs3g22360.1	8.47	0	0	2	MASCOT	T	
1.13E-03	0|0	Cs4g07240.1/Cs4g072	8.63	0	0	2	MASCOT	T	PLEX8
2.34E-01	0|0	Cs4g07240.1/Cs4g072	4.21	0	0	2	MASCOT	T	PLEX8
1.19E-01	0|0	Cs4g07240.1/Cs4g072	5.84	0 15.9	0	2	MASCOT	T	
8.59E-04	0|0	Cs4g07240.1/Cs4g072	5.32	0	0	2	MASCOT	T	PLEX8
4.91E-03	0|0	Cs4g07240.1/Cs4g072	5.32	0	0	2	MASCOT	T	PLEX8
1.31E-03	0|0	Cs4g20230.1	3.93	0	0	2	MASCOT	T	PLEX8
1.96E-01	0|0	Cs4g20230.1	3.93	0	0	2	MASCOT	T	PLEX8
1.17E-02	0|0	Cs4g20230.1	6.1	0	0	2	MASCOT	T	PLEX8
1.71E-01	0|0	Cs4g20230.1	6.75	0	0	2	MASCOT	T	
3.43E-02	0|0	Cs4g20230.1	8.75	0	0	2	MASCOT	T	PLEX8
9.63E-03	0|0	Cs5g09860.1/Cs5g098	4.37	0	0	2	MASCOT	T	
1.59E-02	0|0	Cs5g09880.1	4.21	0	0	2	MASCOT	T	PLEX8

3.99E-01	0|0	Cs5g09880.1 ! Cs8g09	4.53	0	0	2	MASCOT	T	PLEX8
1.28E-01	0|0	Cs4g09040.1 ! Cs8g12	9.76	0	0	2	MASCOT	T	PLEX8
2.09E-01	0|0	Cs4g09040.1 ! Cs8g12	9.76	0	0	2	MASCOT	T	PLEX8
1.78E-02	0|0	Cs5g28400.1/Cs7g260	4.25	0	0	2	MASCOT	T	PLEX8
5.29E-03	0|0	Cs5g28400.1	6	0	0	2	MASCOT	T	PLEX8
2.68E-01	0|0	Cs5g28400.1	5.4	0	0	2	MASCOT	T	PLEX8
6.62E-04	0|0	Cs5g28400.1	4.25	0	0	2	MASCOT	T	PLEX8
2.66E-04	0|0	Cs5g28400.1	4.25	0	0	2	MASCOT	T	PLEX8
3.30E-03	0|0	Cs6g08310.1/Cs6g083	4.53	0	0	2	MASCOT	T	PLEX8
1.12E-01	0|0	Cs6g08310.1/Cs6g083	8.75	0	0	2	MASCOT	T	PLEX8
2.16E-02	0|0	Cs6g08310.1/Cs6g083	8.75	0	0	2	MASCOT	T	PLEX8
1.14E-01	0|0	Cs6g08310.1/Cs6g083	4.37	0	0	2	MASCOT	T	
4.24E-01	0|0	Cs6g08310.1/Cs6g083	8.75	0	0	2	MASCOT	T	PLEX8
1.41E-01	0|0	Cs7g07630.1	9.8	0	0	2	MASCOT	T	PLEX8
6.44E-02	0|0	Cs7g07630.1	5.83	0	0	2	MASCOT	T	
9.37E-02	0|0	Cs7g07630.1	5.83	0	0	2	MASCOT	T	
1.92E-02	0|0	Cs7g07630.1	5.84	0	0	2	MASCOT	T	PLEX8
9.59E-02	0|0	Cs7g07630.1	5.84	0	0	2	MASCOT	T	PLEX8
1.29E-01	0|0	Cs7g29340.1	4.53	0	0	2	MASCOT	T	
2.81E-03	0|0	Cs7g29340.1	4.53	0	0	2	MASCOT	T	PLEX8
1.69E-04	0|0	Cs7g29340.1	3.84	0	0	2	MASCOT	T	
9.07E-04	0|0	Cs7g29340.1	3.84	0	0	2	MASCOT	T	
1.99E-03	0|0	Cs7g29340.1	4.54	0	0	2	MASCOT	T	PLEX8
3.74E-01	0|0	Cs8g05390.1	8.63	0	0	2	MASCOT	T	PLEX8
9.87E-02	0|0	Cs8g05390.1	8.63	0	0	2	MASCOT	T	PLEX8
8.97E-04	0|0	Cs8g05390.1	6.05	0	0	2	MASCOT	T	
2.37E-02	0|0	Cs8g05390.1	7.86	0	0	2	MASCOT	T	PLEX8
7.56E-03	0|0	Cs8g05390.1	5.5	0	0	2	MASCOT	T	
1.28E-02	0|0	Cs8g08270.1	8.8	0	0	2	MASCOT	T	PLEX8
2.50E-01	0|0	Cs8g08270.1	8.59	0	0	2	MASCOT	T	PLEX8
3.64E-02	0|0	Cs8g08270.1	6.42	1	0	2	MASCOT	T	PLEX8
4.13E-03	0|0	Cs8g08270.1	6.42	1	0	2	MASCOT	T	PLEX8
3.90E-03	0|0	Cs8g08270.1	4.14	0	0	2	MASCOT	T	
2.75E-01	0|0	Cs8g18140.1/Cs8g181	4.53	0	0	2	MASCOT	T	PLEX8
5.64E-02	0|0	Cs5g33180.1/Cs8g181	4.53	0	0	2	MASCOT	T	PLEX8
2.90E-03	0|0	Cs7g28910.1/Cs7g289	6.74	0	0	2	MASCOT	T	PLEX8
1.16E-02	0|0	Cs7g28910.1/Cs7g289	6.74	0	0	2	MASCOT	T	PLEX8
1.56E-03	0|0	Cs7g28910.1/Cs7g289	5.32	0	15.9	0	2	MASCOT	T
1.28E-02	0|0	Cs9g02530.1	5.32	0	0	2	MASCOT	T	PLEX8
2.18E-01	0|0	Cs9g02530.1	4.21	0	0	2	MASCOT	T	
4.23E-02	0|0	Cs9g02530.1 ! Cs9g02	8.47	0	0	2	MASCOT	T	PLEX8
2.65E-01	0|0	Cs9g02530.1 ! Cs9g02	8.47	0	0	2	MASCOT	T	PLEX8
1.26E-01	0|0	Cs9g02530.1 ! Cs9g02	9.8	0	0	2	MASCOT	T	PLEX8
1.52E-04	0|0	gi|113952659	4.14	0	0	2	MASCOT	T	PLEX8
2.50E-03	0|0	gi|113952659	4.14	0	0	2	MASCOT	T	PLEX8
2.69E-03	0|0	gi|113952659	4.14	0	0	2	MASCOT	T	PLEX8
3.18E-02	0|0	gi|113952659	6	0	0	2	MASCOT	T	PLEX8
2.86E-02	0|0	gi|113952659	8.72	0	0	2	MASCOT	T	PLEX8
3.78E-04	0|0	gi|113952662/gi|11395	8.22	0	0	2	MASCOT	T	PLEX8
2.99E-03	0|0	gi|113952662/gi|11395	8.22	0	0	2	MASCOT	T	PLEX8
2.72E-04	0|0	gi|113952662/gi|11395	4.37	0	0	2	MASCOT	T	

4.84E-02	0|0	gi|113952662/gi|11395	9.76	0	0	2	MASCOT	T	PLEX8	
1.22E-01	0|0	gi|113952662/gi|11395	5.32	0	0	2	MASCOT	T	PLEX8	
1.80E-02	0|0	gi|113952661/gi|11395	11	1	0	2	MASCOT	T	PLEX8	
3.50E-05	0|0	gi|113952661/gi|11395	9.76	0	0	2	MASCOT	T	PLEX8	
1.43E-01	0|0	gi|113952661/gi|11395	9.81	0	0	2	MASCOT	T		
5.50E-02	0|0	gi|113952661/gi|11395	5.32	0	0	2	MASCOT	T	PLEX8	
1.60E-02	0|0	gi|113952661/gi|11395	5.32	0	0	2	MASCOT	T	PLEX8	
1.50E-01	0|0	orange1.1t00950.1/ora	5.84	0	0	2	MASCOT	T	PLEX8	
1.83E-01	0|0	orange1.1t00950.1/ora	5.84	0	0	2	MASCOT	T	PLEX8	
3.34E-03	0|0	orange1.1t00950.1/ora	4.25	0	0	2	MASCOT	T		
3.25E-01	0|0	orange1.1t00950.1/ora	6.91	0	0	2	MASCOT	T	PLEX8	
3.38E-02	0|0	orange1.1t00950.1/ora	4.21	0	0	2	MASCOT	T	PLEX8	
5.06E-02	0|0	orange1.1t02320.1/ora	9.75	0	0	2	MASCOT	T	PLEX8	
3.72E-01	0|0	orange1.1t02320.1/ora	8.47	0	0	2	MASCOT	T	PLEX8	
7.50E-04	0|0	orange1.1t02320.1/ora	4.31	0	0	2	MASCOT	T	PLEX8	
4.37E-06	0|0	orange1.1t02320.1/ora	4.31	0	0	2	MASCOT	T		
4.91E-02	0|0	orange1.1t02320.1/ora	9.76	0	0	2	MASCOT	T	PLEX8	
2.26E-02	0|0	orange1.1t03195.1/ora	6	0	0	2	MASCOT	T		
1.20E-02	0|0	orange1.1t03195.1/ora	5.21	0	0	2	MASCOT	T	PLEX8	
4.35E-02	0|0	orange1.1t03195.1/ora	5.21	0	0	2	MASCOT	T	PLEX8	
3.55E-02	0|0	orange1.1t03195.1/ora	6	0	0	2	MASCOT	T	PLEX8	
1.03E-02	0|0	orange1.1t03195.1/ora	5.92	0	0	2	MASCOT	T		
2.19E-03	0|0	Cs1g01290.1/Cs1g012	5.83	0	0	2	MASCOT	T		
2.40E-02	0|0	Cs1g01290.1/Cs1g012	5.2	0	0	2	MASCOT	T	PLEX8	
4.04E-02	0|0	Cs1g01290.1/Cs1g012	6.83	0	0	2	MASCOT	T	PLEX8	
3.43E-03	0|0	Cs1g01290.1/Cs1g012	5.84	0	0	2	MASCOT	T	PLEX8	
5.69E-01	0|0	Cs1g08300.1/Cs1g083	9.8	0	0	2	MASCOT	T		
4.81E-02	0|0	Cs1g08300.1/Cs1g083	5.32	0	0	2	MASCOT	T	PLEX8	
2.26E-03	0|0	Cs1g08300.1/Cs1g083	6	0	0	2	MASCOT	T	PLEX8	
2.66E-01	0|0	Cs1g08300.1/Cs1g083	8.75	0	0	2	MASCOT	T	PLEX8	
2.06E-01	0|0	Cs1g15720.1/Cs1g157	9.52	0	0	2	MASCOT	T		
1.86E-02	0|0	Cs1g15720.1/Cs1g157	5.97	0	0	2	MASCOT	T	PLEX8	
1.03E-03	0|0	Cs1g15720.1/Cs1g157	4.03	0	0	2	MASCOT	T	PLEX8	
2.54E-01	0|0	Cs1g15720.1/Cs1g157	6.73	0	15.9	0	2	MASCOT	T	PLEX8
3.04E-02	0|0	Cs1g23450.1	4.03	0	0	2	MASCOT	T		
5.29E-02	0|0	Cs1g23450.1	5.84	0	0	2	MASCOT	T	PLEX8	
1.42E-01	0|0	Cs1g23450.1	8.75	0	0	2	MASCOT	T	PLEX8	
1.96E-01	0|0	Cs1g23450.1	6.14	0	0	2	MASCOT	T	PLEX8	
4.31E-01	0|0	Cs2g02890.1/Cs2g028	8.59	0	0	2	MASCOT	T	PLEX8	
3.70E-01	0|0	Cs2g02890.1/Cs2g028	6.61	0	0	2	MASCOT	T	PLEX8	
7.75E-03	0|0	Cs2g02890.1/Cs2g028	4.53	0	0	2	MASCOT	T	PLEX8	
1.77E-01	0|0	Cs2g02890.1/Cs2g028	9.72	0	0	2	MASCOT	T	PLEX8	
1.42E-02	0|0	Cs3g20120.1	6.05	0	0	2	MASCOT	T	PLEX8	
7.67E-02	0|0	Cs3g20120.1	8.75	0	0	2	MASCOT	T	PLEX8	
1.19E-01	0|0	Cs3g20120.1	5.72	0	0	2	MASCOT	T	PLEX8	
2.49E-01	0|0	Cs3g20120.1	4.53	0	0	2	MASCOT	T		
6.01E-03	0|0	Cs3g22140.1/Cs3g221	4.37	0	0	2	MASCOT	T		
5.65E-03	0|0	Cs3g22140.1/Cs3g221	6	0	0	2	MASCOT	T	PLEX8	
1.83E-03	0|0	Cs3g22140.1/Cs3g221	3.84	0	0	2	MASCOT	T	PLEX8	
8.20E-05	0|0	Cs3g22140.1/Cs3g221	5.72	0	0	2	MASCOT	T	PLEX8	
6.00E-03	0|0	Cs4g16910.1/Cs4g169	4.09	0	0	2	MASCOT	T	PLEX8	

1.72E-01	0|0	Cs4g16910.1/Cs4g169	8.63	0	0	2	MASCOT	T	PLEX8	
2.06E-03	0|0	Cs4g16920.1 ! Cs4g16	4.21	0	0	2	MASCOT	T	PLEX8	
9.31E-02	0|0	Cs4g16910.1/Cs4g169	9.76	0	0	2	MASCOT	T		
2.32E-02	0|0	Cs5g06460.1	6.96	0	0	2	MASCOT	T	PLEX8	
2.08E-02	0|0	Cs5g06460.1	8.47	0	0	2	MASCOT	T	PLEX8	
1.24E-01	0|0	Cs5g06460.1	8.47	0	0	2	MASCOT	T	PLEX8	
2.29E-01	0|0	Cs5g06460.1	8.75	0	0	2	MASCOT	T	PLEX8	
9.55E-04	0|0	Cs5g09510.1	3.84	0	0	2	MASCOT	T		
8.31E-03	0|0	Cs5g09510.1	6	0	0	2	MASCOT	T		
1.79E-01	0|0	Cs5g09510.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
3.08E-05	0|0	Cs5g09510.1	8.47	0	0	2	MASCOT	T	PLEX8	
1.21E-03	0|0	Cs5g12480.1	4.03	0	0	2	MASCOT	T	PLEX8	
1.39E-01	0|0	Cs5g12480.1	5.88	0	0	2	MASCOT	T	PLEX8	
4.28E-02	0|0	Cs5g12480.1	4.37	0	0	2	MASCOT	T	PLEX8	
8.68E-02	0|0	Cs5g12480.1	5.21	0	0	2	MASCOT	T	PLEX8	
8.99E-03	0|0	Cs5g12510.1/Cs5g125	9.8	0	0	2	MASCOT	T	PLEX8	
2.00E-01	0|0	Cs5g12510.1/Cs5g125	8.49	0	0	2	MASCOT	T	PLEX8	
1.61E-02	0|0	Cs5g12510.1/Cs5g125	4.37	0	0	2	MASCOT	T	PLEX8	
7.87E-02	0|0	Cs5g12510.1/Cs5g125	4.43	1	0	2	MASCOT	T	PLEX8	
1.02E-02	0|0	Cs5g23460.1/Cs5g234	4.14	0	0	2	MASCOT	T	PLEX8	
1.86E-01	0|0	Cs5g23460.1/Cs5g234	5.84	0	0	2	MASCOT	T	PLEX8	
5.42E-02	0|0	Cs5g23460.1/Cs5g234	4.37	0	0	2	MASCOT	T	PLEX8	
6.94E-04	0|0	Cs5g23460.1/Cs5g234	4.03	0	0	2	MASCOT	T	PLEX8	
3.39E-02	0|0	Cs5g23490.1/Cs5g234	4.32	1	0	2	MASCOT	T	PLEX8	
2.32E-01	0|0	Cs5g23490.1/Cs5g234	9.72	0	0	2	MASCOT	T	PLEX8	
1.68E-04	0|0	Cs5g23490.1/Cs5g234	4.14	0	0	2	MASCOT	T		
1.21E-02	0|0	Cs5g23490.1/Cs5g234	9.47	0	0	2	MASCOT	T	PLEX8	
4.56E-02	0|0	Cs5g29000.1/Cs5g290	4.53	0	0	2	MASCOT	T	PLEX8	
7.76E-02	0|0	Cs5g29000.1/Cs5g290	8.72	0	0	2	MASCOT	T	PLEX8	
6.27E-03	0|0	Cs5g29000.1/Cs5g290	6.84	0	0	2	MASCOT	T	PLEX8	
7.86E-04	0|0	Cs5g29000.1/Cs5g290	4.65	0	0	2	MASCOT	T	PLEX8	
2.45E-01	0|0	Cs5g34570.1/Cs5g345	6.04	0	0	2	MASCOT	T		
2.88E-02	0|0	Cs5g34570.1/Cs5g345	4.03	0	0	2	MASCOT	T	PLEX8	
1.65E-02	0|0	Cs5g34570.1/Cs5g345	6	0	0	2	MASCOT	T	PLEX8	
2.96E-01	0|0	Cs5g34570.1/Cs5g345	8.75	0	0	2	MASCOT	T	PLEX8	
4.54E-04	0|0	Cs6g06800.1/Cs6g068	6.05	0	0	2	MASCOT	T		
1.59E-01	0|0	Cs6g06800.1/Cs6g068	6.75	0	0	2	MASCOT	T	PLEX8	
1.19E-01	0|0	Cs6g06800.1/Cs6g068	8.8	0	0	2	MASCOT	T	PLEX8	
2.93E-02	0|0	Cs6g06800.1	4.68	1	0	2	MASCOT	T	PLEX8	
2.85E-03	0|0	Cs6g07520.1	6	0	0	2	MASCOT	T	PLEX8	
5.85E-02	0|0	Cs6g07520.1	8.76	0	0	2	MASCOT	T	PLEX8	
4.74E-02	0|0	Cs6g07520.1	9.76	0	0	2	MASCOT	T	PLEX8	
3.93E-03	0|0	Cs6g07520.1	6.47	0	0	2	MASCOT	T	PLEX8	
1.84E-01	0|0	Cs6g13160.1/Cs6g131	5.4	0	0	2	MASCOT	T	PLEX8	
9.83E-03	0|0	Cs6g13160.1/Cs6g131	3.98	0	0	2	MASCOT	T	PLEX8	
1.71E-03	0|0	Cs6g13160.1/Cs6g131	4.13	0	0	2	MASCOT	T	PLEX8	
6.42E-02	0|0	Cs6g13160.1/Cs6g131	6.75	0	0	2	MASCOT	T	PLEX8	
6.24E-02	0|0	Cs6g13340.1/Cs6g133	4.53	0	0	2	MASCOT	T	PLEX8	
1.92E-02	0|0	Cs6g13340.1/Cs6g133	6	0	0	2	MASCOT	T		
7.55E-02	0|0	Cs6g13340.1/Cs6g133	4.14	0	0	2	MASCOT	T	PLEX8	
2.44E-01	0|0	Cs6g13340.1/Cs6g133	4.37	0	0	2	MASCOT	T	PLEX8	

1.70E-01	0|0	Cs6g17180.1/Cs6g171	6.1	0	0	2	MASCOT	T	PLEX8	
4.42E-02	0|0	Cs6g17180.1/Cs6g171	4.48	0	0	2	MASCOT	T	PLEX8	
2.54E-01	0|0	Cs6g17180.1/Cs6g171	6	0	0	2	MASCOT	T	PLEX8	
9.43E-02	0|0	Cs6g17180.1/Cs6g171	8.72	0	0	2	MASCOT	T	PLEX8	
2.05E-01	0|0	Cs6g18810.1/Cs6g188	5.84	0	0	2	MASCOT	T	PLEX8	
6.78E-02	0|0	Cs6g18810.1/Cs6g188	6	0	0	2	MASCOT	T	PLEX8	
1.15E-02	0|0	Cs6g18810.1/Cs6g188	5.32	0	0	2	MASCOT	T	PLEX8	
6.10E-03	0|0	Cs6g18810.1/Cs6g188	4.37	0	0	2	MASCOT	T	PLEX8	
7.17E-02	0|0	Cs6g22050.1	8.75	0	0	2	MASCOT	T	PLEX8	
4.19E-02	0|0	Cs6g22050.1/Cs7g030	4.37	0	0	2	MASCOT	T	PLEX8	
1.97E-01	0|0	Cs5g11560.1/Cs5g115	4.53	0	0	2	MASCOT	T	PLEX8	
1.42E-01	0|0	Cs5g11560.1/Cs5g115	6	0	0	2	MASCOT	T	PLEX8	
2.24E-03	0|0	Cs7g05310.1/Cs7g053	6	0	0	2	MASCOT	T	PLEX8	
1.61E-02	0|0	Cs7g05310.1/Cs7g053	8.56	0	0	2	MASCOT	T	PLEX8	
3.24E-03	0|0	Cs7g05310.1/Cs7g053	4.75	0	0	2	MASCOT	T	PLEX8	
1.57E-03	0|0	Cs7g05310.1/Cs7g053	4.54	0	0	2	MASCOT	T	PLEX8	
2.50E-02	0|0	Cs7g15130.1/Cs7g151	4.37	0	0	2	MASCOT	T	PLEX8	
6.55E-03	0|0	Cs7g15130.1/Cs7g151	5.81	0	0	2	MASCOT	T	PLEX8	
2.69E-02	0|0	Cs7g15130.1/Cs7g151	4.09	0	0	2	MASCOT	T	PLEX8	
1.81E-03	0|0	Cs7g15130.1/Cs7g151	4.25	0	0	2	MASCOT	T	PLEX8	
1.77E-02	0|0	Cs8g06460.1	5.15	0	0	2	MASCOT	T	PLEX8	
5.62E-02	0|0	Cs8g06460.1/Cs8g064	6	0	0	2	MASCOT	T	PLEX8	
2.27E-03	0|0	Cs8g06460.1/Cs8g064	3.93	0	0	2	MASCOT	T	PLEX8	
3.34E-02	0|0	Cs8g06460.1/Cs8g064	8.2	0	0	2	MASCOT	T	PLEX8	
3.36E-02	0|0	Cs8g07590.1	6.07	1	0	2	MASCOT	T	PLEX8	
6.61E-02	0|0	Cs8g07590.1	5.84	0	0	2	MASCOT	T	PLEX8	
4.97E-03	0|0	Cs8g07590.1	5.21	0	0	2	MASCOT	T	PLEX8	
1.29E-04	0|0	Cs8g07590.1	5.55	0	0	2	MASCOT	T	PLEX8	
4.85E-03	0|0	Cs9g01720.1/Cs9g017	4.53	0	0	2	MASCOT	T	PLEX8	
1.52E-03	0|0	Cs9g01720.1/Cs9g017	6.46	0	0	2	MASCOT	T	PLEX8	
3.89E-01	0|0	Cs9g01720.1/Cs9g017	4.37	0	0	2	MASCOT	T	PLEX8	
1.92E-02	0|0	Cs9g01720.1/Cs9g017	4.21	0	0	2	MASCOT	T	PLEX8	
2.73E-02	0|0	Cs9g08070.1/Cs9g080	5.21	0	0	2	MASCOT	T	PLEX8	
9.11E-02	0|0	Cs9g08070.1/Cs9g080	8.76	0	0	2	MASCOT	T	PLEX8	
3.70E-01	0|0	Cs9g08070.1/Cs9g080	4.37	0	0	2	MASCOT	T	PLEX8	
1.17E-01	0|0	Cs9g08070.1/Cs9g080	5.84	0	0	2	MASCOT	T	PLEX8	
1.54E-01	0|0	Cs9g11110.1/Cs9g111	5.84	0	0	2	MASCOT	T	PLEX8	
4.76E-03	0|0	Cs9g11110.1/Cs9g111	5.84	0	0	2	MASCOT	T	PLEX8	
8.48E-02	0|0	Cs9g11110.1/Cs9g111	5.98	0	0	2	MASCOT	T	PLEX8	
3.16E-03	0|0	Cs9g11110.1/Cs9g111	5.5	0	0	2	MASCOT	T	PLEX8	
5.72E-02	0|0	Cs9g11870.1	3.92	0	0	2	MASCOT	T	PLEX8	
1.85E-02	0|0	Cs9g11870.1	8.63	0	0	2	MASCOT	T	PLEX8	
1.62E-01	0|0	Cs9g11870.1	5.59	0	0	2	MASCOT	T	PLEX8	
3.70E-02	0|0	Cs9g11870.1	9.47	0	0	2	MASCOT	T	PLEX8	
2.02E-03	0|0	Cs9g13160.1/Cs9g131	6.05	0	0	2	MASCOT	T	PLEX8	
1.78E-01	0|0	Cs9g13160.1/Cs9g131	6.05	0	0	2	MASCOT	T	PLEX8	
2.97E-02	0|0	Cs9g13160.1/Cs9g131	8.8	0	0	2	MASCOT	T	PLEX8	
4.59E-03	0|0	Cs9g13160.1/Cs9g131	6.05	0	0	2	MASCOT	T	PLEX8	
2.52E-02	0|0	orange1.1t00354.1/ora	6.79	0	0	2	MASCOT	T	PLEX8	
4.92E-02	0|0	orange1.1t00354.1	4.53	0	0	2	MASCOT	T	PLEX8	
2.34E-02	0|0	orange1.1t00354.1	4.37	0	15.9	0	2	MASCOT	T	PLEX8

2.74E-03	0|0	orange1.1t00354.1/ora	6.75	0	0	2	MASCOT	T	PLEX8
1.80E-01	0|0	orange1.1t02724.1	6	0	0	2	MASCOT	T	
3.61E-02	0|0	orange1.1t02724.1	6.74	0	0	2	MASCOT	T	PLEX8
2.51E-02	0|0	orange1.1t02724.1	8.8	0	0	2	MASCOT	T	PLEX8
1.25E-03	0|0	orange1.1t02724.1	4.03	0	0	2	MASCOT	T	
4.37E-02	0|0	orange1.1t03277.1	5.84	0	0	2	MASCOT	T	PLEX8
1.20E-03	0|0	orange1.1t03277.1	5.84	0	0	2	MASCOT	T	PLEX8
2.35E-02	0|0	orange1.1t03277.1	8.59	0	0	2	MASCOT	T	PLEX8
4.96E-02	0|0	orange1.1t03277.1	8.75	1	0	2	MASCOT	T	PLEX8
4.06E-02	0|0	Cs9g05030.1/Cs9g050	6.07	1	0	2	MASCOT	T	PLEX8
1.87E-03	0|0	Cs9g05030.1/Cs9g050	6.07	1	0	2	MASCOT	T	PLEX8
2.19E-01	0|0	Cs9g05030.1/Cs9g050	4.37	0	0	2	MASCOT	T	PLEX8
2.19E-01	0|0	Cs9g05030.1/Cs9g050	4.37	0	0	2	MASCOT	T	
8.93E-03	0|0	Cs9g05030.1/Cs9g050	4.37	0	0	2	MASCOT	T	PLEX8
2.18E-03	0|0	Cs9g05030.1/Cs9g050	4.37	0	0	2	MASCOT	T	PLEX8
1.41E-02	0|0	Cs9g05030.1/Cs9g050	4.37	0	0	2	MASCOT	T	PLEX8
2.72E-02	0|0	Cs9g05030.1/Cs9g050	4.37	0	0	2	MASCOT	T	PLEX8
3.98E-03	0|0	Cs9g05030.1/Cs9g050	4.37	0	0	2	MASCOT	T	PLEX8
8.22E-02	0|0	Cs9g05030.1/Cs9g050	4.37	0	0	2	MASCOT	T	PLEX8
1.02E-03	0|0	Cs9g05030.1/Cs9g050	4.37	0	0	2	MASCOT	T	
3.07E-03	0|0	Cs9g05030.1/Cs9g050	4.37	0	0	2	MASCOT	T	PLEX8
1.46E-01	0|0	Cs9g05030.1/Cs9g050	4.37	0	0	2	MASCOT	T	PLEX8
1.17E-01	0|0	Cs9g05030.1/Cs9g050	4.37	0	0	2	MASCOT	T	PLEX8
1.05E-03	0|0	Cs9g05030.1/Cs9g050	4.37	0	0	2	MASCOT	T	PLEX8
9.87E-04	0|0	Cs9g05030.1/Cs9g050	4.37	0	0	2	MASCOT	T	PLEX8
9.35E-06	0|0	Cs9g05030.1/Cs9g050	4.37	0	0	2	MASCOT	T	PLEX8
5.04E-03	0|0	Cs9g05030.1/Cs9g050	4.37	0	0	2	MASCOT	T	
4.55E-01	0|0	Cs9g05030.1/Cs9g050	4.37	0	0	2	MASCOT	T	
8.47E-02	0|0	Cs9g05030.1/Cs9g050	4.37	0	0	2	MASCOT	T	
4.84E-02	0|0	Cs9g05030.1/Cs9g050	4.37	0	0	2	MASCOT	T	
1.66E-03	0|0	Cs9g05030.1/Cs9g050	4.37	0	0	2	MASCOT	T	
8.84E-03	0|0	Cs9g05030.1/Cs9g050	4.37	0	0	2	MASCOT	T	
8.41E-04	0|0	Cs9g05030.1/Cs9g050	4.37	0	0	2	MASCOT	T	
1.14E-01	0|0	Cs9g05030.1/Cs9g050	4.37	0	0	2	MASCOT	T	
8.49E-02	0|0	Cs9g05030.1/Cs9g050	4.37	0	0	2	MASCOT	T	
2.87E-03	0|0	Cs9g05030.1/Cs9g050	4.37	0	0	2	MASCOT	T	
1.11E-01	0|0	Cs9g05030.1/Cs9g050	4.37	0	0	2	MASCOT	T	
9.93E-04	0|0	Cs9g05030.1/Cs9g050	4.37	0	0	2	MASCOT	T	
1.04E-05	0|0	Cs9g05030.1/Cs9g050	4.37	0	0	2	MASCOT	T	
2.26E-04	0|0	Cs9g05030.1/Cs9g050	4.37	0	0	2	MASCOT	T	
4.79E-04	0|0	Cs9g05030.1/Cs9g050	4.37	0	0	2	MASCOT	T	
1.05E-05	0|0	Cs9g05030.1/Cs9g050	4.37	0	0	2	MASCOT	T	
1.43E-04	0|0	Cs9g05030.1/Cs9g050	4.37	0	0	2	MASCOT	T	
5.68E-02	0|0	Cs9g05030.1/Cs9g050	4.37	0	0	2	MASCOT	T	
1.11E-02	0|0	Cs9g05030.1/Cs9g050	4.37	0	0	2	MASCOT	T	
7.43E-03	0|0	Cs9g05030.1/Cs9g050	4.37	0	0	2	MASCOT	T	PLEX8
2.16E-02	0|0	Cs9g05030.1/Cs9g050	4.37	0	0	2	MASCOT	T	
2.35E-02	0|0	Cs9g05030.1/Cs9g050	4.37	0	0	2	MASCOT	T	PLEX8
5.15E-02	0|0	Cs9g05030.1/Cs9g050	4.37	0	0	2	MASCOT	T	PLEX8
4.22E-04	0|0	Cs9g05030.1/Cs9g050	4.37	0	0	2	MASCOT	T	PLEX8
1.05E-03	0|0	Cs9g05030.1/Cs9g050	4.37	0	0	2	MASCOT	T	PLEX8

1.80E-02	0|0	Cs9g05030.1/Cs9g050	4.37	0	0	2	MASCOT	T	PLEX8	
6.12E-01	0|0	Cs9g05030.1/Cs9g050	8.19	0	0	2	MASCOT	T	PLEX8	
4.95E-02	0|0	Cs1g02870.1/Cs1g028	8.47	0	0	2	MASCOT	T	PLEX8	
9.24E-02	0|0	Cs1g02870.1/Cs1g028	8.47	0	0	2	MASCOT	T	PLEX8	
2.16E-01	0|0	Cs1g02870.1/Cs1g028	8.47	0	0	2	MASCOT	T	PLEX8	
1.17E-02	0|0	Cs1g02870.1/Cs1g028	8.47	0	0	2	MASCOT	T	PLEX8	
5.86E-02	0|0	Cs1g02870.1/Cs1g028	8.47	0	0	2	MASCOT	T	PLEX8	
1.00E-01	0|0	Cs1g02870.1/Cs1g028	8.47	0	0	2	MASCOT	T	PLEX8	
7.32E-02	0|0	Cs1g02870.1/Cs1g028	8.47	0	0	2	MASCOT	T	PLEX8	
3.48E-02	0|0	Cs1g02870.1/Cs1g028	8.47	0	0	2	MASCOT	T	PLEX8	
1.30E-01	0|0	Cs1g02870.1/Cs1g028	8.47	0	0	2	MASCOT	T	PLEX8	
6.99E-02	0|0	Cs1g02870.1/Cs1g028	8.47	0	0	2	MASCOT	T	PLEX8	
6.78E-02	0|0	Cs1g02870.1/Cs1g028	8.47	0	0	2	MASCOT	T	PLEX8	
2.21E-02	0|0	Cs1g02870.1/Cs1g028	8.47	0	0	2	MASCOT	T	PLEX8	
1.72E-01	0|0	Cs1g02870.1/Cs1g028	8.47	0	0	2	MASCOT	T	PLEX8	
3.31E-02	0|0	Cs1g02870.1/Cs1g028	8.47	0	0	2	MASCOT	T	PLEX8	
1.35E-01	0|0	Cs1g02870.1/Cs1g028	8.47	0	0	2	MASCOT	T	PLEX8	
7.49E-02	0|0	Cs1g02870.1/Cs1g028	8.47	0	0	2	MASCOT	T	PLEX8	
1.22E-01	0|0	Cs1g02870.1/Cs1g028	8.47	0	0	2	MASCOT	T		
2.83E-01	0|0	Cs1g02870.1	8.23	0	0	2	MASCOT	T		
5.18E-01	0|0	Cs1g02870.1	8.23	0	0	2	MASCOT	T		
9.06E-02	0|0	Cs1g02870.1/Cs1g028	4.53	0	0	2	MASCOT	T	PLEX8	
2.43E-01	0|0	Cs1g02870.1/Cs1g028	4.53	0	0	2	MASCOT	T	PLEX8	
2.68E-01	0|0	Cs1g02870.1/Cs1g028	4.53	0	0	2	MASCOT	T	PLEX8	
2.73E-01	0|0	Cs1g02870.1/Cs1g028	4.53	0	0	2	MASCOT	T	PLEX8	
1.57E-04	0|0	Cs2g16220.1/Cs2g162	4.14	0	0	2	MASCOT	T	PLEX8	
2.09E-01	0|0	Cs2g16220.1/Cs2g162	4.14	0	0	2	MASCOT	T		
6.39E-06	0|0	Cs2g16220.1/Cs2g162	4.14	0	0	2	MASCOT	T		
3.97E-03	0|0	Cs2g16240.1 ! Cs2g16	5.81	0	0	2	MASCOT	T	PLEX8	
4.26E-02	0|0	Cs2g16240.1 ! Cs2g16	5.81	0	0	2	MASCOT	T	PLEX8	
3.49E-02	0|0	Cs2g16240.1 ! Cs2g16	5.81	0	0	2	MASCOT	T	PLEX8	
5.71E-02	0|0	Cs2g16240.1 ! Cs2g16	5.81	0	0	2	MASCOT	T	PLEX8	
4.40E-02	0|0	Cs2g16240.1 ! Cs2g16	5.81	0	0	2	MASCOT	T	PLEX8	
1.60E-03	0|0	Cs2g16240.1 ! Cs2g16	5.81	0	0	2	MASCOT	T	PLEX8	
3.85E-01	0|0	Cs2g16240.1 ! Cs2g16	5.81	0	0	2	MASCOT	T		
8.27E-02	0|0	Cs2g16240.1 ! Cs2g16	5.81	0	0	2	MASCOT	T	PLEX8	
1.18E-01	0|0	Cs2g16240.1 ! Cs2g16	5.81	0	0	2	MASCOT	T	PLEX8	
1.63E-03	0|0	Cs2g16240.1 ! Cs2g16	5.81	0	0	2	MASCOT	T	PLEX8	
1.00E-01	0|0	Cs2g16240.1 ! Cs2g16	5.81	0	0	2	MASCOT	T	PLEX8	
5.04E-03	0|0	Cs2g16240.1 ! Cs2g16	5.81	0	0	2	MASCOT	T	PLEX8	
2.20E-03	0|0	Cs2g16240.1 ! Cs2g16	5.81	0	0	2	MASCOT	T	PLEX8	
1.84E-02	0|0	Cs2g16240.1	6.75	0	0	2	MASCOT	T	PLEX8	
1.19E-01	0|0	Cs2g16240.1	6.75	0	0	2	MASCOT	T	PLEX8	
2.27E-02	0|0	Cs2g16240.1	6.75	0	0	2	MASCOT	T	PLEX8	
7.50E-02	0|0	Cs2g16240.1	6.75	0	0	2	MASCOT	T	PLEX8	
1.11E-01	0|0	Cs5g27060.1	6.75	0	15.9	0	2	MASCOT	T	PLEX8
1.65E-01	0|0	Cs5g27060.1	6.75	0	15.9	0	2	MASCOT	T	PLEX8
2.56E-02	0|0	Cs5g27060.1	6.75	0	15.9	0	2	MASCOT	T	PLEX8
6.00E-02	0|0	Cs5g27060.1	6.75	0	0	2	MASCOT	T	PLEX8	
1.37E-01	0|0	Cs5g27060.1	6.75	0	0	2	MASCOT	T	PLEX8	
4.12E-02	0|0	Cs5g27060.1	6.75	0	0	2	MASCOT	T	PLEX8	

1.12E-02	0|0	Cs5g27060.1	6.75	0	0	2 MASCOT	T	PLEX8
1.36E-01	0|0	Cs5g27060.1	4.75	0	0	2 MASCOT	T	PLEX8
4.65E-02	0|0	Cs5g27060.1	4.75	0	0	2 MASCOT	T	PLEX8
1.20E-02	0|0	Cs5g27060.1	4.75	0	0	2 MASCOT	T	PLEX8
7.19E-02	0|0	Cs5g27060.1	4.75	0	0	2 MASCOT	T	PLEX8
2.48E-03	0|0	Cs5g27060.1	4.75	0	0	2 MASCOT	T	PLEX8
3.50E-01	0|0	Cs5g27060.1	4.75	0	0	2 MASCOT	T	
2.03E-01	0|0	Cs5g27060.1	4.75	0	0	2 MASCOT	T	
5.82E-02	0|0	Cs5g27060.1	4.75	0	0	2 MASCOT	T	PLEX8
1.48E-01	0|0	Cs5g27060.1	4.75	0	0	2 MASCOT	T	PLEX8
8.75E-02	0|0	Cs5g27060.1	4.75	0	0	2 MASCOT	T	
1.84E-01	0|0	Cs5g27060.1	6.54	0	0	2 MASCOT	T	PLEX8
8.65E-02	0|0	orange1.1t03977.1	6	0	0	2 MASCOT	T	PLEX8
2.48E-02	0|0	orange1.1t03977.1	6	0	0	2 MASCOT	T	PLEX8
2.85E-01	0|0	orange1.1t03977.1	6	0	0	2 MASCOT	T	PLEX8
4.49E-02	0|0	orange1.1t03977.1	6	0	0	2 MASCOT	T	PLEX8
2.49E-02	0|0	orange1.1t03977.1	4.37	0	0	2 MASCOT	T	
4.99E-02	0|0	orange1.1t03977.1	4.37	0	0	2 MASCOT	T	PLEX8
6.56E-03	0|0	orange1.1t03977.1	4.37	0	0	2 MASCOT	T	
9.21E-02	0|0	orange1.1t03977.1	4.37	0	0	2 MASCOT	T	
1.03E-03	0|0	orange1.1t03977.1	4.37	0	0	2 MASCOT	T	
6.60E-04	0|0	orange1.1t03977.1	4.37	0	0	2 MASCOT	T	
1.05E-04	0|0	orange1.1t03977.1	4.37	0	0	2 MASCOT	T	
8.42E-04	0|0	orange1.1t03977.1	4.37	0	0	2 MASCOT	T	
4.52E-03	0|0	orange1.1t03977.1	4.37	0	0	2 MASCOT	T	
4.85E-06	0|0	orange1.1t03977.1	4.37	0	0	2 MASCOT	T	
4.00E-04	0|0	orange1.1t03977.1	5.32	0	0	2 MASCOT	T	PLEX8
1.31E-04	0|0	orange1.1t03977.1	5.32	0	0	2 MASCOT	T	
1.91E-03	0|0	orange1.1t03977.1	5.32	0	0	2 MASCOT	T	
1.83E-01	0|0	Cs2g16200.1/Cs2g162	5.55	0	0	2 MASCOT	T	PLEX8
3.97E-03	0|0	Cs2g16240.1 ! Cs2g16	5.81	0	0	2 MASCOT	T	PLEX8
4.26E-02	0|0	Cs2g16240.1 ! Cs2g16	5.81	0	0	2 MASCOT	T	PLEX8
3.49E-02	0|0	Cs2g16240.1 ! Cs2g16	5.81	0	0	2 MASCOT	T	PLEX8
5.71E-02	0|0	Cs2g16240.1 ! Cs2g16	5.81	0	0	2 MASCOT	T	PLEX8
4.40E-02	0|0	Cs2g16240.1 ! Cs2g16	5.81	0	0	2 MASCOT	T	PLEX8
1.60E-03	0|0	Cs2g16240.1 ! Cs2g16	5.81	0	0	2 MASCOT	T	PLEX8
3.85E-01	0|0	Cs2g16240.1 ! Cs2g16	5.81	0	0	2 MASCOT	T	
8.27E-02	0|0	Cs2g16240.1 ! Cs2g16	5.81	0	0	2 MASCOT	T	PLEX8
1.18E-01	0|0	Cs2g16240.1 ! Cs2g16	5.81	0	0	2 MASCOT	T	PLEX8
1.63E-03	0|0	Cs2g16240.1 ! Cs2g16	5.81	0	0	2 MASCOT	T	PLEX8
1.00E-01	0|0	Cs2g16240.1 ! Cs2g16	5.81	0	0	2 MASCOT	T	PLEX8
5.04E-03	0|0	Cs2g16240.1 ! Cs2g16	5.81	0	0	2 MASCOT	T	PLEX8
2.20E-03	0|0	Cs2g16240.1 ! Cs2g16	5.81	0	0	2 MASCOT	T	PLEX8
7.43E-02	0|0	Cs2g16200.1/orange1.	4.53	0	0	2 MASCOT	T	PLEX8
4.23E-02	0|0	Cs2g16200.1/orange1.	4.53	0	0	2 MASCOT	T	PLEX8
2.66E-02	0|0	Cs2g16200.1/orange1.	4.53	0	0	2 MASCOT	T	PLEX8
2.06E-01	0|0	Cs2g02180.1/Cs2g021	4.53	0	0	2 MASCOT	T	PLEX8
9.10E-06	0|0	Cs2g02180.1/Cs2g021	4.53	0	0	2 MASCOT	T	PLEX8
1.51E-02	0|0	Cs2g02180.1/Cs2g021	4.53	0	0	2 MASCOT	T	PLEX8
1.83E-01	0|0	Cs2g02180.1/Cs2g021	4.53	0	0	2 MASCOT	T	PLEX8
1.57E-01	0|0	Cs2g02180.1/Cs2g021	4.53	0	0	2 MASCOT	T	PLEX8

4.13E-01	0|0	Cs2g02180.1/Cs2g021	4.53	0	0	2	MASCOT	T	PLEX8	
8.20E-02	0|0	Cs2g02180.1/Cs2g021	4.53	0	0	2	MASCOT	T	PLEX8	
5.90E-02	0|0	Cs2g02180.1/Cs2g021	4.53	0	0	2	MASCOT	T	PLEX8	
5.29E-01	0|0	Cs2g02180.1/Cs2g021	4.53	0	0	2	MASCOT	T	PLEX8	
1.35E-01	0|0	Cs2g02180.1/Cs2g021	4.53	0	0	2	MASCOT	T	PLEX8	
5.29E-02	0|0	Cs2g02180.1/Cs2g021	4.53	0	0	2	MASCOT	T	PLEX8	
3.49E-07	0|0	Cs2g02180.1/Cs2g021	4	0	0	2	MASCOT	T	PLEX8	
5.90E-04	0|0	Cs2g02180.1/Cs2g021	4	0	0	2	MASCOT	T	PLEX8	
1.19E-06	0|0	Cs2g02180.1/Cs2g021	4	0	0	2	MASCOT	T	PLEX8	
2.96E-02	0|0	Cs2g02180.1/Cs2g021	4	0	0	2	MASCOT	T	PLEX8	
3.92E-03	0|0	Cs2g02180.1/Cs2g021	4	0	0	2	MASCOT	T	PLEX8	
1.83E-02	0|0	Cs5g01590.1/Cs5g015	6.05	0	0	2	MASCOT	T	PLEX8	
7.33E-04	0|0	Cs5g01590.1/Cs5g015	6.05	0	0	2	MASCOT	T	PLEX8	
6.64E-03	0|0	Cs5g01590.1/Cs5g015	6.05	0	0	2	MASCOT	T	PLEX8	
5.33E-02	0|0	Cs5g01590.1/Cs5g015	6.05	0	0	2	MASCOT	T	PLEX8	
1.94E-02	0|0	Cs5g01590.1/Cs5g015	6.05	0	0	2	MASCOT	T	PLEX8	
2.38E-02	0|0	Cs5g01590.1/Cs5g015	6.05	0	0	2	MASCOT	T	PLEX8	
2.66E-01	0|0	Cs5g01590.1/Cs5g015	4.75	0	0	2	MASCOT	T	PLEX8	
1.83E-01	0|0	Cs5g01590.1/Cs5g015	4.75	0	0	2	MASCOT	T	PLEX8	
3.02E-01	0|0	Cs5g01590.1/Cs5g015	4.75	0	0	2	MASCOT	T	PLEX8	
7.73E-03	0|0	Cs5g01590.1/Cs5g015	4.75	0	0	2	MASCOT	T	PLEX8	
5.71E-05	0|0	Cs5g01590.1/Cs5g015	5.84	0	0	2	MASCOT	T	PLEX8	
1.73E-02	0|0	Cs5g01590.1/Cs5g015	5.84	0	0	2	MASCOT	T	PLEX8	
5.87E-03	0|0	Cs5g01590.1/Cs5g015	5.84	0	0	2	MASCOT	T	PLEX8	
1.30E-01	0|0	Cs5g01590.1/Cs5g015	5.84	0	0	2	MASCOT	T	PLEX8	
5.75E-05	0|0	Cs5g01590.1/Cs5g015	5.84	0	0	2	MASCOT	T	PLEX8	
2.19E-02	0|0	Cs5g01590.1/Cs5g015	5.84	0	0	2	MASCOT	T	PLEX8	
1.01E-02	0|0	Cs5g19640.1/Cs5g196	4.53	0	15.9	0	2	MASCOT	T	PLEX8
6.05E-03	0|0	Cs5g19640.1/Cs5g196	4.53	0	0	2	MASCOT	T	PLEX8	
1.12E-02	0|0	Cs3g03120.1/Cs3g031	5.88	0	0	2	MASCOT	T	PLEX8	
4.61E-03	0|0	Cs3g03120.1/Cs3g031	5.88	0	0	2	MASCOT	T	PLEX8	
1.99E-02	0|0	Cs3g03120.1/Cs3g031	5.88	0	0	2	MASCOT	T	PLEX8	
2.52E-02	0|0	Cs3g03120.1/Cs3g031	5.88	0	0	2	MASCOT	T	PLEX8	
4.61E-03	0|0	Cs3g03120.1/Cs3g031	5.88	0	0	2	MASCOT	T	PLEX8	
1.07E-01	0|0	Cs3g03120.1/Cs3g031	5.88	0	0	2	MASCOT	T		
1.46E-01	0|0	Cs3g03120.1/Cs3g031	5.88	0	0	2	MASCOT	T	PLEX8	
1.45E-02	0|0	Cs3g03120.1/Cs3g031	5.88	0	0	2	MASCOT	T	PLEX8	
2.74E-02	0|0	Cs3g03120.1/Cs3g031	8.5	0	0	2	MASCOT	T	PLEX8	
8.81E-05	0|0	Cs3g03120.1/Cs3g031	8.5	0	0	2	MASCOT	T	PLEX8	
1.64E-05	0|0	Cs3g03120.1/Cs3g031	8.5	0	0	2	MASCOT	T	PLEX8	
2.77E-01	0|0	Cs3g03120.1/Cs3g031	8.5	0	0	2	MASCOT	T		
6.78E-03	0|0	Cs6g09150.1/Cs6g091	4.09	0	0	2	MASCOT	T	PLEX8	
6.56E-03	0|0	Cs6g09150.1/Cs6g091	4.09	0	0	2	MASCOT	T	PLEX8	
3.20E-02	0|0	Cs6g09150.1/Cs6g091	6.07	1	0	2	MASCOT	T		
2.90E-01	0|0	Cs6g09150.1/Cs6g091	5.27	0	15.9	0	2	MASCOT	T	PLEX8
4.26E-02	0|0	Cs6g09150.1/Cs6g091	5.27	0	15.9	0	2	MASCOT	T	PLEX8
3.16E-01	0|0	Cs6g09150.1/Cs6g091	5.27	0	15.9	0	2	MASCOT	T	
3.33E-02	0|0	Cs6g09150.1/Cs6g091	5.27	0	15.9	0	2	MASCOT	T	PLEX8
4.11E-03	0|0	Cs6g09150.1/Cs6g091	5.27	0	15.9	0	2	MASCOT	T	PLEX8
1.05E-01	0|0	Cs6g09150.1/Cs6g091	5.27	0	15.9	0	2	MASCOT	T	
4.21E-03	0|0	Cs6g09150.1/Cs6g091	5.27	0	0	2	MASCOT	T	PLEX8	

2.38E-02	0|0	Cs6g09150.1/Cs6g091	5.27	0	0	2	MASCOT	T	PLEX8
2.22E-02	0|0	Cs6g09150.1/Cs6g091	5.27	0	0	2	MASCOT	T	PLEX8
1.01E-02	0|0	Cs6g09150.1/Cs6g091	5.27	0	0	2	MASCOT	T	PLEX8
8.97E-03	0|0	Cs6g09150.1/Cs6g091	5.27	0	0	2	MASCOT	T	PLEX8
4.61E-03	0|0	Cs1g21090.1	4.14	0	0	2	MASCOT	T	PLEX8
7.43E-02	0|0	Cs1g21090.1	6	0	0	2	MASCOT	T	PLEX8
9.87E-02	0|0	Cs1g21090.1	6	0	0	2	MASCOT	T	PLEX8
6.40E-02	0|0	Cs1g21090.1	6	0	0	2	MASCOT	T	PLEX8
9.60E-04	0|0	Cs1g21090.1	6	0	0	2	MASCOT	T	
1.45E-02	0|0	Cs1g21090.1	6	0	0	2	MASCOT	T	
2.30E-03	0|0	Cs1g21090.1	6	0	0	2	MASCOT	T	
2.47E-01	0|0	Cs1g21090.1	6.75	0	0	2	MASCOT	T	PLEX8
9.41E-02	0|0	Cs1g21090.1	6.75	0	0	2	MASCOT	T	PLEX8
5.80E-02	0|0	Cs1g21090.1	6.75	0	0	2	MASCOT	T	PLEX8
1.87E-01	0|0	Cs1g21090.1	6.75	0	0	2	MASCOT	T	PLEX8
6.83E-02	0|0	Cs1g21090.1	6.75	0	0	2	MASCOT	T	
3.55E-02	0|0	Cs1g21090.1	6.75	0	0	2	MASCOT	T	
6.26E-02	0|0	Cs3g03120.1/Cs3g031	4.53	0	0	2	MASCOT	T	PLEX8
1.12E-02	0|0	Cs3g03120.1/Cs3g031	5.88	0	0	2	MASCOT	T	PLEX8
4.61E-03	0|0	Cs3g03120.1/Cs3g031	5.88	0	0	2	MASCOT	T	PLEX8
1.99E-02	0|0	Cs3g03120.1/Cs3g031	5.88	0	0	2	MASCOT	T	PLEX8
2.52E-02	0|0	Cs3g03120.1/Cs3g031	5.88	0	0	2	MASCOT	T	PLEX8
4.61E-03	0|0	Cs3g03120.1/Cs3g031	5.88	0	0	2	MASCOT	T	PLEX8
1.07E-01	0|0	Cs3g03120.1/Cs3g031	5.88	0	0	2	MASCOT	T	
1.46E-01	0|0	Cs3g03120.1/Cs3g031	5.88	0	0	2	MASCOT	T	PLEX8
1.45E-02	0|0	Cs3g03120.1/Cs3g031	5.88	0	0	2	MASCOT	T	PLEX8
2.74E-02	0|0	Cs3g03120.1/Cs3g031	8.5	0	0	2	MASCOT	T	PLEX8
8.81E-05	0|0	Cs3g03120.1/Cs3g031	8.5	0	0	2	MASCOT	T	PLEX8
1.64E-05	0|0	Cs3g03120.1/Cs3g031	8.5	0	0	2	MASCOT	T	PLEX8
2.77E-01	0|0	Cs3g03120.1/Cs3g031	8.5	0	0	2	MASCOT	T	
4.40E-04	0|0	Cs7g14410.1/Cs7g144	5.84	0	0	2	MASCOT	T	
8.86E-03	0|0	Cs7g14410.1/Cs7g144	5.84	0	0	2	MASCOT	T	
1.81E-05	0|0	Cs7g14410.1/Cs7g144	5.84	0	0	2	MASCOT	T	
4.21E-05	0|0	Cs7g14410.1/Cs7g144	5.84	0	0	2	MASCOT	T	
3.38E-05	0|0	Cs7g14410.1/Cs7g144	5.84	0	0	2	MASCOT	T	
2.12E-03	0|0	Cs7g14410.1/Cs7g144	4.68	0	0	2	MASCOT	T	PLEX8
1.38E-02	0|0	Cs7g14410.1/Cs7g144	4.68	0	0	2	MASCOT	T	PLEX8
3.98E-03	0|0	Cs7g14410.1/Cs7g144	4.14	0	0	2	MASCOT	T	PLEX8
2.69E-02	0|0	Cs7g14410.1/Cs7g144	4.14	0	0	2	MASCOT	T	PLEX8
3.12E-04	0|0	Cs7g14410.1/Cs7g144	4.14	0	0	2	MASCOT	T	PLEX8
1.89E-03	0|0	Cs7g14410.1/Cs7g144	4.14	0	0	2	MASCOT	T	PLEX8
5.59E-03	0|0	Cs7g14410.1/Cs7g144	4.14	0	0	2	MASCOT	T	PLEX8
1.25E-02	0|0	Cs7g14410.1/Cs7g144	4.14	0	0	2	MASCOT	T	PLEX8
6.80E-02	0|0	Cs7g19240.1/Cs7g192	6.05	0	0	2	MASCOT	T	PLEX8
3.48E-02	0|0	Cs7g19240.1/Cs7g192	6.05	0	0	2	MASCOT	T	PLEX8
5.88E-02	0|0	Cs7g19240.1/Cs7g192	6.05	0	0	2	MASCOT	T	PLEX8
1.73E-01	0|0	Cs7g19240.1/Cs7g192	4.53	0	0	2	MASCOT	T	PLEX8
1.45E-01	0|0	Cs7g19240.1/Cs7g192	4.53	0	0	2	MASCOT	T	PLEX8
2.03E-01	0|0	Cs7g19240.1/Cs7g192	4.53	0	0	2	MASCOT	T	PLEX8
1.19E-01	0|0	Cs7g19240.1/Cs7g192	4.53	0	0	2	MASCOT	T	PLEX8
2.44E-01	0|0	Cs7g19240.1/Cs7g192	4.53	0	0	2	MASCOT	T	PLEX8

2.37E-01	0|0	Cs7g19240.1/Cs7g192	4.53	0	0	2	MASCOT	T	PLEX8
1.94E-01	0|0	Cs7g19240.1/Cs7g192	4.53	0	0	2	MASCOT	T	
4.85E-02	0|0	Cs7g19240.1/Cs7g192	4.37	0	0	2	MASCOT	T	PLEX8
2.21E-03	0|0	Cs7g19240.1/Cs7g192	4.37	0	0	2	MASCOT	T	PLEX8
3.27E-05	0|0	Cs7g19240.1/Cs7g192	4.37	0	0	2	MASCOT	T	PLEX8
9.94E-02	0|0	Cs2g05530.1/Cs2g055	4.25	0	0	2	MASCOT	T	PLEX8
1.25E-01	0|0	Cs2g05530.1/Cs2g055	4.25	0	0	2	MASCOT	T	PLEX8
3.10E-02	0|0	Cs2g05530.1/Cs2g055	6.74	0	0	2	MASCOT	T	PLEX8
1.18E-01	0|0	Cs2g05530.1/Cs2g055	6.74	0	0	2	MASCOT	T	PLEX8
2.86E-03	0|0	Cs2g05530.1/Cs2g055	6.74	0	0	2	MASCOT	T	PLEX8
1.91E-01	0|0	Cs2g05530.1/Cs2g055	6.74	0	0	2	MASCOT	T	
3.17E-01	0|0	Cs2g05530.1/Cs2g055	6.74	0	0	2	MASCOT	T	
2.49E-01	0|0	Cs2g05530.1/Cs2g055	8.73	0	0	2	MASCOT	T	PLEX8
2.64E-02	0|0	Cs2g05530.1/Cs2g055	8.73	0	0	2	MASCOT	T	PLEX8
3.77E-02	0|0	Cs2g05530.1/Cs2g055	8.73	0	0	2	MASCOT	T	PLEX8
1.95E-01	0|0	Cs2g05530.1/Cs2g055	8.73	0	0	2	MASCOT	T	PLEX8
1.63E-03	0|0	Cs2g05530.1/Cs2g055	8.73	0	0	2	MASCOT	T	PLEX8
8.34E-04	0|0	Cs3g11010.1/Cs3g110	5.84	0	0	2	MASCOT	T	
1.02E-01	0|0	Cs3g11010.1/Cs3g111	6.71	0	0	2	MASCOT	T	PLEX8
2.76E-05	0|0	Cs3g11010.1/Cs3g111	6.71	0	0	2	MASCOT	T	PLEX8
3.33E-01	0|0	Cs3g11010.1/Cs3g111	6.71	0	0	2	MASCOT	T	
8.08E-02	0|0	Cs3g11010.1/Cs3g111	6.71	0	0	2	MASCOT	T	
7.27E-03	0|0	Cs3g11090.1 ! Cs3g11	8.75	0	0	2	MASCOT	T	PLEX8
2.22E-04	0|0	Cs3g11090.1 ! Cs3g11	8.75	0	0	2	MASCOT	T	PLEX8
1.02E-03	0|0	Cs3g11090.1 ! Cs3g11	8.75	0	0	2	MASCOT	T	PLEX8
9.00E-04	0|0	Cs3g11090.1 ! Cs3g11	8.75	0	0	2	MASCOT	T	PLEX8
1.47E-02	0|0	Cs3g11090.1 ! Cs3g11	8.75	0	0	2	MASCOT	T	PLEX8
2.36E-05	0|0	Cs3g11090.1 ! Cs3g11	8.75	0	0	2	MASCOT	T	PLEX8
3.53E-02	0|0	Cs3g11090.1 ! Cs3g11	8.75	0	0	2	MASCOT	T	
2.49E-01	0|0	Cs8g15520.1	8.8	0	0	2	MASCOT	T	PLEX8
1.68E-01	0|0	Cs8g15520.1	8.8	0	0	2	MASCOT	T	PLEX8
1.82E-01	0|0	Cs8g15520.1	8.8	0	0	2	MASCOT	T	PLEX8
5.62E-02	0|0	Cs8g15520.1	8.8	0	0	2	MASCOT	T	PLEX8
2.74E-01	0|0	Cs8g15520.1	8.8	0	0	2	MASCOT	T	
3.78E-03	0|0	Cs8g15520.1	6.75	0	0	2	MASCOT	T	PLEX8
2.12E-05	0|0	Cs8g15520.1	6.75	0	0	2	MASCOT	T	PLEX8
6.66E-04	0|0	Cs8g15520.1	6.75	0	0	2	MASCOT	T	PLEX8
1.69E-03	0|0	Cs8g15520.1	4.31	0	0	2	MASCOT	T	PLEX8
1.50E-04	0|0	Cs8g15520.1	4.31	0	0	2	MASCOT	T	PLEX8
2.67E-01	0|0	Cs8g15520.1	4.31	0	0	2	MASCOT	T	
1.51E-02	0|0	Cs8g15520.1	4.31	0	0	2	MASCOT	T	
3.89E-01	0|0	Cs5g25680.1/Cs5g257	5.88	0	0	2	MASCOT	T	PLEX8
2.02E-01	0|0	Cs5g25680.1/Cs5g257	5.88	0	0	2	MASCOT	T	
2.17E-01	0|0	Cs5g25660.1/Cs5g256	5.84	0	0	2	MASCOT	T	PLEX8
1.94E-01	0|0	Cs5g25660.1/Cs5g256	5.84	0	0	2	MASCOT	T	PLEX8
2.05E-01	0|0	Cs5g25680.1/Cs5g256	6.11	0	0	2	MASCOT	T	PLEX8
3.03E-03	0|0	Cs5g25680.1/Cs5g256	6.11	0	0	2	MASCOT	T	PLEX8
1.26E-02	0|0	Cs5g25680.1/Cs5g256	6.11	0	0	2	MASCOT	T	PLEX8
1.10E-01	0|0	Cs5g25680.1/Cs5g256	6.11	0	0	2	MASCOT	T	PLEX8
5.03E-02	0|0	Cs5g25680.1/Cs5g256	6.11	0	0	2	MASCOT	T	PLEX8
6.21E-02	0|0	Cs5g25680.1/Cs5g256	6.11	0	0	2	MASCOT	T	PLEX8

1.21E-01	0|0	Cs5g25680.1/Cs5g256	6.11	0	0	2	MASCOT	T		
1.14E-01	0|0	Cs6g05810.1/Cs8g180	6.75	0	0	2	MASCOT	T	PLEX8	
2.10E-03	0|0	Cs6g05810.1/Cs8g180	6.75	0	0	2	MASCOT	T		
2.99E-02	0|0	Cs6g05810.1/Cs8g180	6.75	0	0	2	MASCOT	T		
4.78E-02	0|0	Cs6g05810.1/Cs8g180	6.74	0	0	2	MASCOT	T	PLEX8	
2.82E-02	0|0	Cs6g05810.1/Cs8g180	6	0	0	2	MASCOT	T	PLEX8	
8.15E-02	0|0	Cs6g05810.1/Cs8g180	6	0	0	2	MASCOT	T	PLEX8	
9.00E-02	0|0	Cs6g05810.1/Cs8g180	6	0	0	2	MASCOT	T	PLEX8	
1.28E-01	0|0	Cs6g05810.1/Cs8g180	6	0	0	2	MASCOT	T	PLEX8	
6.69E-02	0|0	Cs6g05810.1/Cs8g180	6	0	0	2	MASCOT	T	PLEX8	
1.75E-01	0|0	Cs6g05810.1/Cs8g180	6	0	0	2	MASCOT	T	PLEX8	
7.16E-02	0|0	Cs6g05810.1/Cs8g180	6	0	0	2	MASCOT	T	PLEX8	
4.94E-04	0|0	Cs7g15740.1/Cs7g157	3.95	0	0	2	MASCOT	T	PLEX8	
4.75E-02	0|0	Cs7g15740.1/Cs7g157	3.95	0	0	2	MASCOT	T	PLEX8	
1.64E-02	0|0	Cs7g15740.1/Cs7g157	3.95	0	0	2	MASCOT	T	PLEX8	
2.70E-03	0|0	Cs7g15740.1/Cs7g157	3.95	0	0	2	MASCOT	T	PLEX8	
1.36E-03	0|0	Cs7g15740.1/Cs7g157	3.95	0	0	2	MASCOT	T		
1.10E-01	0|0	Cs7g15740.1/Cs7g157	3.95	0	0	2	MASCOT	T		
1.88E-01	0|0	Cs7g15740.1/Cs7g157	6.92	0	0	2	MASCOT	T	PLEX8	
1.95E-01	0|0	Cs7g15740.1/Cs7g157	6.92	0	0	2	MASCOT	T	PLEX8	
3.19E-02	0|0	Cs7g15740.1/Cs7g157	6.79	0	0	2	MASCOT	T	PLEX8	
2.04E-01	0|0	Cs7g15740.1/Cs7g157	6.79	0	0	2	MASCOT	T	PLEX8	
4.02E-02	0|0	Cs7g15740.1/Cs7g157	6.79	0	0	2	MASCOT	T	PLEX8	
2.62E-01	0|0	orange1.1t03769.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
2.42E-04	0|0	orange1.1t03769.1/ora	5.52	0	0	2	MASCOT	T	PLEX8	
1.29E-03	0|0	orange1.1t03769.1/ora	5.52	0	0	2	MASCOT	T	PLEX8	
2.43E-02	0|0	orange1.1t03769.1/ora	8.75	0	15.9	0	2	MASCOT	T	PLEX8
5.86E-03	0|0	orange1.1t03769.1/ora	8.75	0	0	2	MASCOT	T	PLEX8	
6.05E-02	0|0	orange1.1t03769.1/ora	8.75	0	0	2	MASCOT	T	PLEX8	
1.25E-05	0|0	orange1.1t03769.1/ora	8.75	0	0	2	MASCOT	T	PLEX8	
9.46E-04	0|0	orange1.1t03769.1/ora	8.75	0	0	2	MASCOT	T	PLEX8	
6.93E-02	0|0	orange1.1t03769.1/ora	8.75	0	0	2	MASCOT	T	PLEX8	
9.43E-02	0|0	orange1.1t03769.1/ora	8.75	0	0	2	MASCOT	T		
2.00E-01	0|0	orange1.1t03769.1/ora	8.75	0	0	2	MASCOT	T		
1.61E-03	0|0	Cs1g24260.1 ! Cs1g24	4.37	0	0	2	MASCOT	T	PLEX8	
7.19E-03	0|0	Cs1g24260.1 ! Cs1g24	4.37	0	0	2	MASCOT	T	PLEX8	
5.18E-03	0|0	Cs1g24260.1 ! Cs1g24	4.37	0	0	2	MASCOT	T	PLEX8	
7.12E-03	0|0	Cs1g24260.1 ! Cs1g24	4.37	0	0	2	MASCOT	T	PLEX8	
1.36E-01	0|0	Cs1g24260.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.36E-02	0|0	Cs1g24260.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.23E-03	0|0	Cs1g24260.1/Cs1g242	8.8	0	0	2	MASCOT	T	PLEX8	
2.39E-02	0|0	Cs1g24260.1/Cs1g242	8.8	0	0	2	MASCOT	T	PLEX8	
2.64E-03	0|0	Cs1g24260.1/Cs1g242	8.8	0	0	2	MASCOT	T	PLEX8	
1.18E-02	0|0	Cs1g24260.1/Cs1g242	8.8	0	0	2	MASCOT	T	PLEX8	
1.86E-02	0|0	Cs3g02050.1	4.25	0	0	2	MASCOT	T		
1.02E-02	0|0	Cs3g02050.1	4.25	0	0	2	MASCOT	T		
7.34E-03	0|0	Cs3g02050.1	4.25	0	0	2	MASCOT	T		
4.46E-02	0|0	Cs3g02050.1	5.4	0	0	2	MASCOT	T	PLEX8	
2.05E-01	0|0	Cs3g02050.1	5.4	0	0	2	MASCOT	T	PLEX8	
5.85E-02	0|0	Cs3g02050.1	4	0	0	2	MASCOT	T		
1.51E-02	0|0	Cs3g02050.1	4	0	0	2	MASCOT	T	PLEX8	

1.88E-02 0|0	Cs3g02050.1	4	0	0	2 MASCOT	T	PLEX8
1.36E-02 0|0	Cs3g02050.1	4	0	0	2 MASCOT	T	PLEX8
5.28E-02 0|0	Cs3g02050.1	4	0	0	2 MASCOT	T	
1.81E-02 0|0	Cs3g09650.1/Cs3g096	8.5	0	0	2 MASCOT	T	PLEX8
5.22E-02 0|0	Cs3g09650.1/Cs3g096	8.5	0	0	2 MASCOT	T	PLEX8
3.13E-03 0|0	Cs3g09650.1/Cs3g096	4.53	0	0	2 MASCOT	T	PLEX8
3.03E-01 0|0	Cs3g09650.1/Cs3g096	4.53	0	0	2 MASCOT	T	PLEX8
1.79E-02 0|0	Cs3g09650.1/Cs3g096	4.53	0	0	2 MASCOT	T	PLEX8
2.41E-01 0|0	Cs3g09650.1/Cs3g096	4.53	0	0	2 MASCOT	T	PLEX8
6.48E-03 0|0	Cs3g09650.1	4.32	0	0	2 MASCOT	T	PLEX8
1.88E-03 0|0	Cs3g09650.1	4.32	0	0	2 MASCOT	T	PLEX8
5.00E-04 0|0	Cs3g09650.1	4.32	0	0	2 MASCOT	T	PLEX8
9.32E-06 0|0	Cs3g09650.1	4.32	0	0	2 MASCOT	T	PLEX8
3.61E-02 0|0	Cs7g18550.1/Cs7g185	8.47	0	0	2 MASCOT	T	PLEX8
4.52E-02 0|0	Cs7g18550.1/Cs7g185	8.47	0	0	2 MASCOT	T	PLEX8
2.11E-01 0|0	Cs7g18550.1/Cs7g185	8.47	0	0	2 MASCOT	T	PLEX8
2.19E-02 0|0	Cs7g18550.1/Cs7g185	8.47	0	0	2 MASCOT	T	PLEX8
1.15E-01 0|0	Cs7g18550.1/Cs7g185	5.72	0	0	2 MASCOT	T	PLEX8
2.28E-02 0|0	Cs7g18550.1/Cs7g185	5.72	0	0	2 MASCOT	T	PLEX8
3.38E-02 0|0	Cs7g18550.1/Cs7g185	5.72	0	0	2 MASCOT	T	PLEX8
2.22E-01 0|0	Cs7g18560.1	5.97	0	0	2 MASCOT	T	PLEX8
7.43E-03 0|0	Cs7g18560.1	5.97	0	0	2 MASCOT	T	PLEX8
2.59E-02 0|0	Cs7g18560.1	5.97	0	0	2 MASCOT	T	PLEX8
1.43E-01 0|0	Cs7g30990.1 ! Cs7g30	7.98	0	0	2 MASCOT	T	PLEX8
7.93E-03 0|0	Cs7g30990.1 ! Cs7g30	7.98	0	0	2 MASCOT	T	PLEX8
2.31E-06 0|0	Cs7g30990.1/Cs7g309	4.22	0	0	2 MASCOT	T	PLEX8
3.91E-02 0|0	Cs7g30990.1/Cs7g309	4.22	0	0	2 MASCOT	T	PLEX8
2.22E-05 0|0	Cs7g30990.1/Cs7g309	4.22	0	0	2 MASCOT	T	PLEX8
1.03E-04 0|0	Cs7g30990.1/Cs7g309	4.22	0	0	2 MASCOT	T	
2.32E-03 0|0	Cs7g30990.1/Cs7g309	4.22	0	0	2 MASCOT	T	
2.98E-04 0|0	Cs7g30990.1/Cs7g309	4.22	0	0	2 MASCOT	T	PLEX8
1.47E-05 0|0	Cs7g30990.1/Cs7g309	4.22	0	0	2 MASCOT	T	
1.76E-01 0|0	Cs7g30990.1/Cs7g309	5.55	0	0	2 MASCOT	T	PLEX8
1.85E-01 0|0	Cs7g31100.1/Cs7g311	9.76	0	0	2 MASCOT	T	PLEX8
2.44E-02 0|0	Cs7g31100.1/Cs7g311	9.76	0	0	2 MASCOT	T	PLEX8
3.20E-02 0|0	Cs5g30600.1/Cs5g306	8.76	0	0	2 MASCOT	T	
7.28E-02 0|0	Cs5g30600.1/Cs5g306	8.76	0	0	2 MASCOT	T	
1.57E-01 0|0	Cs5g30600.1/Cs5g306	6.04	0	0	2 MASCOT	T	PLEX8
1.70E-01 0|0	Cs5g30600.1/Cs5g306	6.04	0	0	2 MASCOT	T	PLEX8
1.53E-01 0|0	Cs5g30600.1/Cs5g306	6.04	0	0	2 MASCOT	T	PLEX8
1.48E-01 0|0	Cs5g30600.1/Cs5g306	6.04	0	0	2 MASCOT	T	PLEX8
8.13E-02 0|0	Cs5g30600.1/Cs5g306	6.04	0	0	2 MASCOT	T	PLEX8
1.75E-01 0|0	Cs5g30600.1/Cs5g306	6.04	0	0	2 MASCOT	T	PLEX8
4.50E-01 0|0	Cs9g16150.1	5.88	0	0	2 MASCOT	T	PLEX8
2.46E-01 0|0	Cs9g16150.1	5.88	0	0	2 MASCOT	T	PLEX8
2.91E-02 0|0	Cs9g16150.1	5.88	0	0	2 MASCOT	T	PLEX8
2.87E-02 0|0	Cs9g16150.1	5.88	0	0	2 MASCOT	T	PLEX8
1.85E-02 0|0	Cs9g16150.1	4.37	0	0	2 MASCOT	T	PLEX8
1.52E-01 0|0	Cs9g16150.1	4.37	0	0	2 MASCOT	T	PLEX8
4.05E-02 0|0	Cs9g16150.1	6.46	0	0	2 MASCOT	T	PLEX8
1.43E-01 0|0	Cs9g16150.1	6.46	0	0	2 MASCOT	T	PLEX8

8.61E-03	0|0	Cs9g16150.1	6.46	0	0	2	MASCOT	T	PLEX8	
6.17E-02	0|0	Cs9g16150.1	6.46	0	0	2	MASCOT	T	PLEX8	
3.36E-04	0|0	Cs3g15160.1/Cs3g151	5.21	0	15.9	0	2	MASCOT	T	PLEX8
8.84E-04	0|0	Cs3g15160.1/Cs3g151	5.21	0	15.9	0	2	MASCOT	T	PLEX8
2.40E-05	0|0	Cs3g15160.1/Cs3g151	5.21	0	15.9	0	2	MASCOT	T	PLEX8
1.50E-01	0|0	Cs3g15160.1/Cs3g151	5.21	0	15.9	0	2	MASCOT	T	PLEX8
1.13E-06	0|0	Cs3g15160.1/Cs3g151	5.21	0	15.9	0	2	MASCOT	T	PLEX8
2.30E-02	0|0	Cs3g15160.1/Cs3g151	5.21	0	15.9	0	2	MASCOT	T	PLEX8
3.95E-02	0|0	Cs3g15160.1/Cs3g151	5.21	0	0	0	2	MASCOT	T	PLEX8
1.06E-01	0|0	Cs3g15160.1/Cs3g151	9.76	0	0	0	2	MASCOT	T	PLEX8
1.95E-01	0|0	Cs3g15160.2	5.73	0	0	0	2	MASCOT	T	PLEX8
1.51E-01	0|0	Cs4g17850.1	4.37	0	0	0	2	MASCOT	T	PLEX8
2.76E-01	0|0	Cs4g17850.1	4.37	0	0	0	2	MASCOT	T	PLEX8
1.49E-01	0|0	Cs4g17850.1	4.37	0	0	0	2	MASCOT	T	PLEX8
1.78E-01	0|0	Cs4g17850.1 ! Cs7g17	4.53	0	0	0	2	MASCOT	T	PLEX8
1.45E-01	0|0	Cs4g17850.1	4.25	0	0	0	2	MASCOT	T	PLEX8
1.45E-01	0|0	Cs4g17850.1	4.25	0	0	0	2	MASCOT	T	PLEX8
7.00E-02	0|0	Cs4g17850.1	4.25	0	0	0	2	MASCOT	T	PLEX8
3.57E-02	0|0	Cs4g17850.1	4.25	0	0	0	2	MASCOT	T	PLEX8
1.09E-02	0|0	Cs4g17850.1	4.25	0	0	0	2	MASCOT	T	PLEX8
4.48E-04	0|0	Cs5g20510.1/Cs5g205	5.21	0	15.9	0	2	MASCOT	T	PLEX8
6.36E-03	0|0	Cs5g20510.1/Cs5g205	5.21	0	15.9	0	2	MASCOT	T	PLEX8
2.90E-02	0|0	Cs5g20510.1/Cs5g205	5.21	0	0	0	2	MASCOT	T	PLEX8
4.11E-02	0|0	Cs5g20510.1/Cs5g205	5.21	0	0	0	2	MASCOT	T	PLEX8
4.17E-05	0|0	Cs5g20510.1/Cs5g205	5.21	0	0	0	2	MASCOT	T	PLEX8
1.35E-01	0|0	Cs5g20510.1/Cs5g205	4.21	0	0	0	2	MASCOT	T	PLEX8
1.04E-01	0|0	Cs5g20510.1/Cs5g205	4.21	0	0	0	2	MASCOT	T	PLEX8
1.13E-02	0|0	Cs5g20510.1/Cs5g205	4.21	0	0	0	2	MASCOT	T	PLEX8
6.25E-03	0|0	Cs5g20510.1/Cs5g205	8.59	0	0	0	2	MASCOT	T	PLEX8
1.70E-04	0|0	Cs5g26750.1/Cs5g267	4.54	0	0	0	2	MASCOT	T	PLEX8
2.49E-02	0|0	Cs5g26750.1/Cs5g267	4.54	0	0	0	2	MASCOT	T	PLEX8
2.60E-03	0|0	Cs5g26750.1/Cs5g267	4.54	0	0	0	2	MASCOT	T	PLEX8
2.90E-01	0|0	Cs3g12000.1/Cs3g120	6.75	0	0	0	2	MASCOT	T	PLEX8
6.67E-02	0|0	Cs3g12000.1/Cs3g120	4.41	0	0	0	2	MASCOT	T	PLEX8
9.66E-07	0|0	Cs3g12000.1/Cs3g120	4.41	0	0	0	2	MASCOT	T	PLEX8
4.76E-02	0|0	Cs3g12000.1/Cs3g120	4.41	0	0	0	2	MASCOT	T	PLEX8
3.75E-01	0|0	Cs3g12000.1/Cs3g120	4.41	0	0	0	2	MASCOT	T	PLEX8
2.11E-06	0|0	Cs3g12000.1/Cs3g120	4.41	0	0	0	2	MASCOT	T	PLEX8
1.27E-02	0|0	Cs7g13660.1	4.31	0	0	0	2	MASCOT	T	PLEX8
1.39E-05	0|0	Cs7g13660.1	4.31	0	0	0	2	MASCOT	T	PLEX8
1.01E-02	0|0	Cs7g13660.1	4.31	0	0	0	2	MASCOT	T	PLEX8
7.05E-05	0|0	Cs7g13660.1	4.31	0	0	0	2	MASCOT	T	PLEX8
7.77E-02	0|0	Cs7g13660.1	4.53	0	0	0	2	MASCOT	T	PLEX8
7.84E-02	0|0	Cs7g13660.1	4.53	0	0	0	2	MASCOT	T	PLEX8
1.26E-02	0|0	Cs7g13660.1	4.53	0	0	0	2	MASCOT	T	PLEX8
3.97E-02	0|0	Cs7g13660.1	8.56	0	0	0	2	MASCOT	T	PLEX8
5.64E-02	0|0	Cs7g13660.1	8.56	0	0	0	2	MASCOT	T	PLEX8
5.02E-03	0|0	orange1.1t01542.1/ora	8.75	0	0	0	2	MASCOT	T	PLEX8
2.65E-03	0|0	orange1.1t01542.1/ora	8.75	0	0	0	2	MASCOT	T	PLEX8
2.05E-04	0|0	orange1.1t01542.1/ora	8.75	0	0	0	2	MASCOT	T	PLEX8
1.30E-02	0|0	Cs2g08850.1/orange1.	3.84	0	15.9	0	2	MASCOT	T	PLEX8

9.60E-03	0|0	Cs2g08850.1/orange1.	3.84	0	0	2	MASCOT	T	
1.55E-01	0|0	orange1.1t01168.1/ora	5.96	0	15.9	0	2	MASCOT	T PLEX8
1.30E-01	0|0	orange1.1t01168.1/ora	5.96	0	15.9	0	2	MASCOT	T PLEX8
1.33E-05	0|0	orange1.1t01168.1/ora	5.96	0	0	0	2	MASCOT	T PLEX8
5.50E-07	0|0	orange1.1t01168.1/ora	5.96	0	0	0	2	MASCOT	T PLEX8
5.10E-03	0|0	Cs3g04730.1	8.22	0	0	0	2	MASCOT	T PLEX8
1.78E-02	0|0	Cs3g04730.1	8.22	0	0	0	2	MASCOT	T PLEX8
4.75E-02	0|0	Cs3g04730.1	8.22	0	0	0	2	MASCOT	T PLEX8
1.39E-04	0|0	Cs3g04730.1	4.54	0	0	0	2	MASCOT	T PLEX8
4.59E-03	0|0	Cs3g04730.1	4.54	0	0	0	2	MASCOT	T PLEX8
1.36E-04	0|0	Cs3g04730.1	4.54	0	0	0	2	MASCOT	T PLEX8
2.27E-06	0|0	Cs3g04730.1	4.54	0	0	0	2	MASCOT	T PLEX8
8.31E-02	0|0	Cs3g04730.1	6.41	0	15.9	0	2	MASCOT	T PLEX8
3.42E-02	0|0	Cs2g16200.1/Cs2g162	4.21	0	0	0	2	MASCOT	T PLEX8
8.89E-03	0|0	Cs2g16200.1/Cs2g162	4.21	0	0	0	2	MASCOT	T PLEX8
6.53E-03	0|0	Cs2g16220.1/Cs2g162	6	0	0	0	2	MASCOT	T PLEX8
4.49E-02	0|0	Cs2g16220.1/Cs2g162	6	0	0	0	2	MASCOT	T PLEX8
9.51E-02	0|0	Cs2g16220.1/Cs2g162	6	0	0	0	2	MASCOT	T PLEX8
4.37E-02	0|0	Cs2g16220.1/Cs2g162	6	0	0	0	2	MASCOT	T PLEX8
2.80E-01	0|0	Cs3g15560.1/Cs3g155	8.75	0	0	0	2	MASCOT	T PLEX8
2.88E-02	0|0	Cs3g15560.1/Cs3g155	8.75	0	0	0	2	MASCOT	T PLEX8
3.15E-01	0|0	Cs5g10920.1/Cs5g109	4.37	0	0	0	2	MASCOT	T PLEX8
1.75E-01	0|0	Cs5g10920.1/Cs5g109	4.37	0	0	0	2	MASCOT	T PLEX8
2.00E-02	0|0	Cs5g10920.1/Cs5g109	4.37	0	0	0	2	MASCOT	T
1.77E-01	0|0	Cs5g10920.1/Cs5g109	4.37	0	0	0	2	MASCOT	T
4.09E-02	0|0	Cs5g10920.1/Cs5g109	4.37	0	0	0	2	MASCOT	T
3.60E-05	0|0	Cs5g10920.1/Cs5g109	4.37	0	0	0	2	MASCOT	T PLEX8
7.39E-05	0|0	Cs5g10920.1/Cs5g109	4.37	0	0	0	2	MASCOT	T PLEX8
5.48E-04	0|0	Cs5g10920.1/Cs5g109	5.55	0	0	0	2	MASCOT	T
3.78E-03	0|0	Cs5g18350.1	4.53	0	0	0	2	MASCOT	T
9.43E-02	0|0	Cs5g18350.1	5.84	0	0	0	2	MASCOT	T PLEX8
7.90E-03	0|0	Cs5g18350.1	5.84	0	0	0	2	MASCOT	T PLEX8
1.53E-01	0|0	Cs5g18350.1	5.84	0	0	0	2	MASCOT	T PLEX8
1.14E-01	0|0	Cs5g18350.1	5.84	0	0	0	2	MASCOT	T PLEX8
1.06E-02	0|0	Cs5g18350.1	5.84	0	0	0	2	MASCOT	T PLEX8
1.61E-04	0|0	Cs5g18350.1/Cs5g183	4.68	1	0	0	2	MASCOT	T PLEX8
1.84E-02	0|0	Cs5g18350.1/Cs5g183	4.68	1	0	0	2	MASCOT	T
4.72E-03	0|0	Cs6g08720.1/Cs6g087	8.8	0	0	0	2	MASCOT	T PLEX8
4.83E-02	0|0	Cs6g08720.1/Cs6g087	8.8	0	0	0	2	MASCOT	T PLEX8
1.48E-01	0|0	Cs6g08720.1/Cs6g087	8.8	0	0	0	2	MASCOT	T PLEX8
7.59E-03	0|0	Cs6g08720.1/Cs6g087	6	0	0	0	2	MASCOT	T PLEX8
1.57E-01	0|0	Cs6g08720.1/Cs6g087	6	0	0	0	2	MASCOT	T PLEX8
6.63E-03	0|0	Cs6g08720.1/Cs6g087	6	0	0	0	2	MASCOT	T PLEX8
1.47E-03	0|0	Cs6g08720.1/Cs6g087	6.05	0	15.9	0	2	MASCOT	T
5.98E-05	0|0	Cs6g08720.1/Cs6g087	6.05	0	0	0	2	MASCOT	T
8.76E-02	0|0	Cs8g01220.1/Cs8g012	4.37	0	0	0	2	MASCOT	T PLEX8
1.80E-02	0|0	Cs8g01220.1/Cs8g012	4.37	0	0	0	2	MASCOT	T PLEX8
5.69E-03	0|0	Cs8g01220.1/Cs8g012	4.37	0	0	0	2	MASCOT	T PLEX8
2.10E-02	0|0	Cs8g01220.1/Cs8g012	4.37	0	0	0	2	MASCOT	T PLEX8
3.87E-02	0|0	Cs8g01220.1/Cs8g012	4.65	0	15.9	0	2	MASCOT	T
8.25E-02	0|0	Cs8g01220.1/Cs8g012	4.65	0	0	0	2	MASCOT	T

4.66E-01	0|0	Cs8g01220.1/Cs8g012	4.65	0	0	2	MASCOT	T		
2.44E-01	0|0	Cs8g01220.1/Cs8g012	6.92	0	0	2	MASCOT	T	PLEX8	
4.69E-04	0|0	Cs9g13070.1	3.92	0	0	2	MASCOT	T	PLEX8	
1.56E-04	0|0	Cs9g13070.1	3.92	0	0	2	MASCOT	T	PLEX8	
2.54E-01	0|0	Cs9g13070.1	6.75	0	0	2	MASCOT	T	PLEX8	
2.50E-02	0|0	Cs9g13070.1	4	0	15.9	0	2	MASCOT	T	
1.60E-03	0|0	Cs9g13070.1	4	0	15.9	0	2	MASCOT	T	
2.42E-05	0|0	Cs9g13070.1	4	0	0	2	MASCOT	T		
5.78E-04	0|0	Cs9g13070.1	4	0	0	2	MASCOT	T		
1.89E-04	0|0	Cs9g13070.1	4	0	0	2	MASCOT	T		
1.35E-02	0|0	Cs9g15890.1/Cs9g158	8.59	0	0	2	MASCOT	T	PLEX8	
2.12E-01	0|0	Cs9g15890.1/Cs9g158	8.59	0	0	2	MASCOT	T	PLEX8	
2.62E-01	0|0	Cs9g15890.1/Cs9g158	8.59	0	0	2	MASCOT	T	PLEX8	
1.86E-04	0|0	Cs9g15890.1/Cs9g158	4.03	0	0	2	MASCOT	T	PLEX8	
1.94E-05	0|0	Cs9g15890.1/Cs9g158	4.03	0	0	2	MASCOT	T	PLEX8	
9.09E-03	0|0	Cs9g15890.1/Cs9g158	6.74	0	0	2	MASCOT	T	PLEX8	
1.05E-03	0|0	Cs9g15890.1/Cs9g158	6.74	0	0	2	MASCOT	T	PLEX8	
9.68E-02	0|0	Cs9g15890.1/Cs9g158	6.74	0	0	2	MASCOT	T	PLEX8	
2.48E-01	0|0	orange1.1t00538.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.51E-02	0|0	orange1.1t00538.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.58E-01	0|0	orange1.1t00538.1	4.53	0	0	2	MASCOT	T	PLEX8	
3.08E-01	0|0	Cs8g13120.1 ! orange1	5.97	0	0	2	MASCOT	T	PLEX8	
4.15E-02	0|0	orange1.1t00538.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.02E-03	0|0	orange1.1t00538.1	4.37	0	0	2	MASCOT	T	PLEX8	
6.02E-04	0|0	orange1.1t00538.1	4.37	0	0	2	MASCOT	T	PLEX8	
3.91E-02	0|0	orange1.1t00538.1	4.37	0	0	2	MASCOT	T	PLEX8	
3.51E-01	0|0	Cs1g03890.1 ! Cs4g15	5.88	0	0	2	MASCOT	T	PLEX8	
1.96E-03	0|0	Cs1g03890.1 ! Cs4g15	5.88	0	0	2	MASCOT	T	PLEX8	
1.88E-02	0|0	Cs1g03890.1 ! Cs4g15	5.88	0	0	2	MASCOT	T	PLEX8	
3.08E-02	0|0	Cs1g03890.1/Cs3g220	5.81	0	0	2	MASCOT	T	PLEX8	
8.73E-03	0|0	Cs1g03890.1 ! Cs3g22	6	0	0	2	MASCOT	T	PLEX8	
3.44E-02	0|0	Cs1g03890.1 ! Cs3g22	6	0	0	2	MASCOT	T	PLEX8	
1.23E-01	0|0	Cs1g03890.1 ! Cs3g22	6	0	0	2	MASCOT	T	PLEX8	
3.11E-03	0|0	Cs2g15050.1/Cs2g150	6.73	0	0	2	MASCOT	T	PLEX8	
1.20E-01	0|0	Cs2g15050.1/Cs2g150	6.73	0	0	2	MASCOT	T	PLEX8	
9.74E-02	0|0	Cs2g15050.1	4.25	0	0	2	MASCOT	T	PLEX8	
6.91E-02	0|0	Cs2g15050.1	4.25	0	0	2	MASCOT	T	PLEX8	
1.43E-01	0|0	Cs2g15050.1/Cs2g150	8.72	0	15.9	0	2	MASCOT	T	PLEX8
2.13E-01	0|0	Cs2g15050.1/Cs2g150	8.72	0	0	2	MASCOT	T	PLEX8	
6.90E-03	0|0	Cs2g15050.1/Cs2g150	8.72	0	0	2	MASCOT	T	PLEX8	
1.06E-01	0|0	Cs2g04630.1/Cs2g046	6.05	0	0	2	MASCOT	T	PLEX8	
1.76E-03	0|0	Cs2g04630.1/Cs2g046	6.05	0	0	2	MASCOT	T	PLEX8	
2.15E-04	0|0	Cs2g04630.1/Cs2g046	6.05	0	0	2	MASCOT	T	PLEX8	
7.11E-05	0|0	Cs2g04630.1/Cs2g046	5.97	0	0	2	MASCOT	T	PLEX8	
4.96E-03	0|0	Cs2g04630.1/Cs2g046	5.97	0	0	2	MASCOT	T	PLEX8	
4.26E-01	0|0	Cs2g04630.1/Cs2g046	9.73	0	0	2	MASCOT	T	PLEX8	
1.66E-01	0|0	Cs2g04630.1/Cs2g046	9.73	0	0	2	MASCOT	T		
5.34E-02	0|0	Cs3g17280.1/Cs3g172	4.03	0	0	2	MASCOT	T	PLEX8	
4.42E-03	0|0	Cs3g17280.1/Cs3g172	4.03	0	0	2	MASCOT	T	PLEX8	
1.68E-02	0|0	Cs3g17280.1/Cs3g172	4.03	0	0	2	MASCOT	T	PLEX8	
1.46E-02	0|0	Cs3g17280.1/Cs3g172	4.03	0	0	2	MASCOT	T		

3.33E-02	0|0	Cs3g17280.1/Cs3g172	6.14	1	0	2	MASCOT	T		
4.59E-02	0|0	Cs3g17280.1/Cs3g172	6.14	1	0	2	MASCOT	T	PLEX8	
1.85E-01	0|0	Cs3g17280.1/Cs3g172	6.4	0	0	2	MASCOT	T	PLEX8	
1.96E-01	0|0	Cs3g20550.1	4.37	0	0	2	MASCOT	T		
2.09E-01	0|0	Cs7g21860.1/orange1.	5.84	0	0	2	MASCOT	T	PLEX8	
2.33E-03	0|0	Cs7g21860.1/orange1.	5.84	0	0	2	MASCOT	T	PLEX8	
3.35E-03	0|0	Cs7g21860.1/orange1.	5.84	0	0	2	MASCOT	T	PLEX8	
3.73E-02	0|0	Cs7g21860.1/orange1.	5.84	0	0	2	MASCOT	T	PLEX8	
8.18E-02	0|0	Cs7g21860.1/orange1.	5.84	0	0	2	MASCOT	T		
1.12E-03	0|0	Cs3g20550.1	4.25	0	0	2	MASCOT	T	PLEX8	
3.58E-03	0|0	Cs5g15660.1/Cs5g209	4.21	0	0	2	MASCOT	T	PLEX8	
2.88E-02	0|0	Cs5g15660.1/Cs5g209	4.21	0	0	2	MASCOT	T	PLEX8	
1.41E-01	0|0	Cs5g21010.1/Cs5g210	6	0	0	2	MASCOT	T		
6.70E-04	0|0	Cs5g20910.1/Cs5g210	5.59	0	15.9	0	2	MASCOT	T	
2.17E-05	0|0	Cs5g20910.1/Cs5g210	5.59	0	15.9	0	2	MASCOT	T	
2.48E-02	0|0	Cs5g20910.1/Cs5g210	5.59	0	15.9	0	2	MASCOT	T	
4.70E-02	0|0	Cs5g20910.1/Cs5g210	5.59	0	15.9	0	2	MASCOT	T	
1.49E-01	0|0	Cs5g29140.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.16E-01	0|0	Cs5g29140.1	4.41	0	15.9	0	2	MASCOT	T	PLEX8
3.20E-03	0|0	Cs5g29140.1	4.41	0	0	2	MASCOT	T	PLEX8	
2.13E-02	0|0	Cs5g29140.1	4.41	0	0	2	MASCOT	T		
1.05E-01	0|0	Cs5g29140.1	4.03	0	0	2	MASCOT	T	PLEX8	
1.34E-01	0|0	Cs5g29140.1	4.03	0	0	2	MASCOT	T		
1.67E-03	0|0	Cs5g29140.1	4.03	0	0	2	MASCOT	T		
1.21E-01	0|0	Cs2g10690.1/Cs9g110	4.37	0	0	2	MASCOT	T	PLEX8	
7.81E-02	0|0	Cs2g10690.1/Cs9g110	4.37	0	0	2	MASCOT	T	PLEX8	
9.59E-02	0|0	Cs2g10690.1/Cs9g110	4.37	0	0	2	MASCOT	T	PLEX8	
8.01E-02	0|0	Cs2g10690.1/Cs9g110	4.37	0	0	2	MASCOT	T	PLEX8	
2.46E-02	0|0	Cs7g05630.1/Cs7g056	4.43	1	0	2	MASCOT	T	PLEX8	
1.92E-02	0|0	Cs7g05630.2	4.37	0	0	2	MASCOT	T	PLEX8	
1.77E-01	0|0	Cs7g05630.2	4.37	0	0	2	MASCOT	T	PLEX8	
2.90E-01	0|0	Cs7g27880.1/Cs7g278	4.14	0	0	2	MASCOT	T	PLEX8	
1.24E-01	0|0	Cs7g27880.1/Cs7g278	5.84	0	0	2	MASCOT	T	PLEX8	
8.42E-02	0|0	Cs7g27880.1/Cs7g278	5.84	0	15.9	0	2	MASCOT	T	PLEX8
2.93E-01	0|0	Cs7g27880.1/Cs7g278	5.84	0	15.9	0	2	MASCOT	T	PLEX8
3.44E-02	0|0	Cs7g27880.1/Cs7g278	5.84	0	0	2	MASCOT	T	PLEX8	
3.64E-01	0|0	Cs7g27880.1/Cs7g278	5.84	0	0	2	MASCOT	T	PLEX8	
3.53E-01	0|0	Cs7g27880.1/Cs7g278	5.84	0	0	2	MASCOT	T	PLEX8	
5.20E-03	0|0	Cs8g06060.1/Cs8g060	8.8	0	0	2	MASCOT	T	PLEX8	
4.12E-03	0|0	Cs8g06060.1/Cs8g060	8.8	0	0	2	MASCOT	T		
1.35E-02	0|0	Cs8g06060.1/Cs8g060	8.8	0	0	2	MASCOT	T	PLEX8	
2.22E-02	0|0	Cs8g06060.1/Cs8g060	8.8	0	0	2	MASCOT	T	PLEX8	
1.09E-02	0|0	Cs8g06060.1/Cs8g060	8.8	0	0	2	MASCOT	T	PLEX8	
1.85E-02	0|0	Cs8g06060.1/Cs8g060	4.53	0	0	2	MASCOT	T	PLEX8	
1.94E-02	0|0	Cs8g06060.1/Cs8g060	6.1	0	0	2	MASCOT	T	PLEX8	
6.87E-02	0|0	Cs8g12670.1/Cs8g126	8.75	0	0	2	MASCOT	T	PLEX8	
2.64E-02	0|0	Cs8g12670.1/Cs8g126	8.75	0	0	2	MASCOT	T	PLEX8	
1.61E-01	0|0	Cs8g12670.1/Cs8g126	8.75	0	0	2	MASCOT	T	PLEX8	
5.93E-02	0|0	Cs8g12670.1/Cs8g126	8.75	0	0	2	MASCOT	T	PLEX8	
5.98E-02	0|0	Cs8g12670.1/Cs8g126	8.75	0	0	2	MASCOT	T		
4.15E-01	0|0	Cs8g12670.1/Cs8g126	6	0	0	2	MASCOT	T	PLEX8	

7.98E-03	0|0	Cs8g12670.1/Cs8g126	4.37	0	0	2	MASCOT	T	PLEX8	
6.80E-02	0|0	orange1.1t00340.1	4.21	0	0	2	MASCOT	T	PLEX8	
1.27E-05	0|0	orange1.1t00340.1	4.21	0	0	2	MASCOT	T		
1.08E-01	0|0	Cs9g17210.1 ! orange1	4.25	0	0	2	MASCOT	T	PLEX8	
1.21E-01	0|0	Cs9g17210.1 ! orange1	4.25	0	0	2	MASCOT	T	PLEX8	
1.50E-02	0|0	Cs9g17210.1 ! orange1	4.25	0	0	2	MASCOT	T	PLEX8	
1.22E-01	0|0	orange1.1t00340.1/ora	4.14	0	0	2	MASCOT	T	PLEX8	
9.74E-04	0|0	orange1.1t00340.1/ora	4.14	0	0	2	MASCOT	T	PLEX8	
2.30E-02	0|0	Cs1g02860.1	5.84	0	0	2	MASCOT	T	PLEX8	
3.45E-01	0|0	Cs1g02860.1	5.84	0	0	2	MASCOT	T	PLEX8	
7.29E-02	0|0	Cs1g02860.1	5.84	0	0	2	MASCOT	T	PLEX8	
5.16E-03	0|0	Cs1g02860.1/Cs1g028	5.84	0	0	2	MASCOT	T	PLEX8	
4.31E-04	0|0	Cs1g02860.1/Cs1g028	5.84	0	0	2	MASCOT	T	PLEX8	
2.49E-05	0|0	Cs1g02860.1/Cs1g028	6.45	0	0	2	MASCOT	T	PLEX8	
3.76E-02	0|0	Cs1g17190.1/Cs1g171	4.41	1	0	2	MASCOT	T	PLEX8	
1.86E-01	0|0	Cs1g17190.1/Cs1g171	6.75	0	15.9	0	2	MASCOT	T	PLEX8
1.00E-01	0|0	Cs1g17190.1/Cs1g171	6.75	0	0	2	MASCOT	T	PLEX8	
2.23E-01	0|0	Cs1g17190.1/Cs1g171	6.75	0	0	2	MASCOT	T	PLEX8	
7.32E-02	0|0	Cs1g17190.1/Cs1g171	3.92	0	0	2	MASCOT	T	PLEX8	
3.32E-01	0|0	Cs1g17190.1/Cs1g171	3.92	0	0	2	MASCOT	T		
6.19E-05	0|0	Cs2g15360.1	3.93	0	0	2	MASCOT	T		
1.17E-01	0|0	Cs2g15360.1	6.74	0	0	2	MASCOT	T	PLEX8	
8.63E-02	0|0	Cs2g15360.1	6.74	0	0	2	MASCOT	T	PLEX8	
9.13E-04	0|0	Cs2g15360.1	6.74	0	0	2	MASCOT	T	PLEX8	
1.16E-03	0|0	Cs2g15360.1	6.74	0	0	2	MASCOT	T	PLEX8	
2.42E-05	0|0	Cs2g15360.1	6.72	0	0	2	MASCOT	T		
5.39E-04	0|0	Cs2g24750.1/Cs2g247	9.76	0	0	2	MASCOT	T	PLEX8	
9.08E-02	0|0	Cs2g24750.1/Cs2g247	9.76	0	0	2	MASCOT	T	PLEX8	
3.72E-03	0|0	Cs2g24750.1/Cs2g247	9.76	0	0	2	MASCOT	T		
1.48E-01	0|0	Cs2g24750.1/Cs2g247	9.76	0	0	2	MASCOT	T		
2.68E-02	0|0	Cs2g24750.1/Cs2g247	8.59	0	0	2	MASCOT	T		
3.15E-01	0|0	Cs2g24750.1/Cs2g247	9.72	0	0	2	MASCOT	T	PLEX8	
4.89E-03	0|0	Cs3g01150.1/Cs3g011	4.37	0	0	2	MASCOT	T	PLEX8	
2.55E-01	0|0	Cs3g01150.1/Cs3g011	4.37	0	0	2	MASCOT	T	PLEX8	
2.81E-03	0|0	Cs3g01150.1/Cs3g011	4.37	0	0	2	MASCOT	T	PLEX8	
1.30E-01	0|0	Cs3g01150.1/Cs3g011	4.53	0	0	2	MASCOT	T		
1.69E-01	0|0	Cs3g01150.1/Cs3g011	4.53	0	0	2	MASCOT	T	PLEX8	
6.23E-02	0|0	Cs3g01150.1/Cs3g011	5.84	0	0	2	MASCOT	T	PLEX8	
4.86E-03	0|0	Cs3g14480.1/Cs3g144	4.54	0	0	2	MASCOT	T	PLEX8	
2.80E-03	0|0	Cs3g14480.1/Cs3g144	4.54	0	0	2	MASCOT	T	PLEX8	
3.47E-02	0|0	Cs3g14220.1/Cs3g142	5.5	0	0	2	MASCOT	T	PLEX8	
2.49E-01	0|0	Cs3g14220.1/Cs3g142	5.5	0	0	2	MASCOT	T	PLEX8	
3.37E-02	0|0	Cs3g14220.1/Cs3g142	5.5	0	0	2	MASCOT	T	PLEX8	
7.82E-02	0|0	Cs3g14220.1/Cs3g142	5.81	0	0	2	MASCOT	T	PLEX8	
7.30E-02	0|0	Cs3g17930.1/Cs3g179	4.14	0	0	2	MASCOT	T	PLEX8	
4.38E-02	0|0	Cs3g17930.1/Cs3g179	4.14	0	0	2	MASCOT	T	PLEX8	
1.24E-01	0|0	Cs3g17930.1/Cs3g179	4.37	0	0	2	MASCOT	T		
1.18E-02	0|0	Cs3g17930.1/Cs3g179	4.37	0	0	2	MASCOT	T		
1.45E-02	0|0	Cs3g17930.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.73E-02	0|0	Cs3g17930.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.45E-01	0|0	Cs3g21020.1	8.59	0	0	2	MASCOT	T	PLEX8	

3.27E-01	0|0	Cs3g21020.1	5.4	0	0	2	MASCOT	T	PLEX8	
8.16E-03	0|0	Cs3g21020.1	5.4	0	0	2	MASCOT	T	PLEX8	
1.52E-01	0|0	Cs3g21020.1	5.4	0	0	2	MASCOT	T	PLEX8	
1.66E-02	0|0	Cs3g21020.1	5.4	0	0	2	MASCOT	T	PLEX8	
2.56E-02	0|0	Cs3g21020.1	6	0	0	2	MASCOT	T	PLEX8	
2.56E-02	0|0	Cs4g13300.1/Cs4g133	5.84	0	0	2	MASCOT	T	PLEX8	
8.09E-04	0|0	Cs4g13300.1/Cs4g133	5.84	0	0	2	MASCOT	T	PLEX8	
8.28E-03	0|0	Cs4g13300.1/Cs4g133	5.84	0	0	2	MASCOT	T	PLEX8	
8.10E-02	0|0	Cs4g13300.1/Cs4g133	6.1	0	0	2	MASCOT	T	PLEX8	
5.89E-02	0|0	Cs4g13300.1/Cs4g133	6.1	0	0	2	MASCOT	T	PLEX8	
4.61E-01	0|0	Cs1g18675.1 ! Cs4g13	8.22	0	0	2	MASCOT	T	PLEX8	
3.75E-04	0|0	Cs5g16460.1	4.53	0	0	2	MASCOT	T	PLEX8	
6.03E-03	0|0	Cs5g16460.1	5.84	0	0	2	MASCOT	T	PLEX8	
1.61E-01	0|0	Cs5g16460.1	5.84	0	0	2	MASCOT	T	PLEX8	
7.63E-02	0|0	Cs5g16460.1	5.3	0	15.9	0	2	MASCOT	T	PLEX8
6.35E-02	0|0	Cs5g16460.1	5.3	0	0	2	MASCOT	T	PLEX8	
7.09E-02	0|0	Cs5g16460.1	5.3	0	0	2	MASCOT	T	PLEX8	
2.91E-03	0|0	Cs5g29150.1/Cs9g093	8.75	0	0	2	MASCOT	T	PLEX8	
5.38E-02	0|0	Cs5g29150.1/Cs9g093	8.75	0	0	2	MASCOT	T	PLEX8	
3.72E-02	0|0	Cs5g29150.1/Cs5g291	8.59	0	0	2	MASCOT	T	PLEX8	
7.21E-02	0|0	Cs5g29150.1/Cs5g291	8.59	0	0	2	MASCOT	T	PLEX8	
1.23E-01	0|0	Cs5g29150.1/Cs5g291	8.59	0	0	2	MASCOT	T	PLEX8	
2.98E-03	0|0	Cs5g29150.1/Cs5g291	5.59	0	0	2	MASCOT	T	PLEX8	
1.36E-02	0|0	Cs5g30440.1/Cs5g304	4.25	0	0	2	MASCOT	T	PLEX8	
1.70E-01	0|0	Cs5g30440.1/Cs5g304	9.8	0	0	2	MASCOT	T	PLEX8	
4.20E-02	0|0	Cs5g30440.1/Cs5g304	5.84	0	15.9	0	2	MASCOT	T	PLEX8
3.26E-02	0|0	Cs5g30440.1/Cs5g304	5.84	0	15.9	0	2	MASCOT	T	PLEX8
4.02E-03	0|0	Cs5g30440.1/Cs5g304	5.84	0	0	2	MASCOT	T	PLEX8	
8.06E-03	0|0	Cs5g30440.1/Cs5g304	5.84	0	0	2	MASCOT	T	PLEX8	
4.29E-01	0|0	Cs6g02670.1/Cs6g026	9.76	0	0	2	MASCOT	T	PLEX8	
1.44E-03	0|0	Cs6g02670.1/Cs6g026	9.76	0	0	2	MASCOT	T	PLEX8	
4.87E-02	0|0	Cs6g02670.1/Cs6g026	8.75	0	0	2	MASCOT	T	PLEX8	
1.26E-04	0|0	Cs6g02670.1/Cs6g026	8.75	0	0	2	MASCOT	T	PLEX8	
5.36E-02	0|0	Cs6g02670.1/Cs6g026	5.81	0	0	2	MASCOT	T	PLEX8	
4.57E-04	0|0	Cs6g02670.1/Cs6g026	5.81	0	0	2	MASCOT	T	PLEX8	
9.49E-02	0|0	Cs6g08190.1/Cs6g081	4.03	0	0	2	MASCOT	T	PLEX8	
8.75E-02	0|0	Cs6g08190.1/Cs6g081	4.53	0	0	2	MASCOT	T	PLEX8	
3.10E-02	0|0	Cs6g08190.1/Cs6g081	4.53	0	0	2	MASCOT	T	PLEX8	
8.86E-03	0|0	Cs6g08190.1/Cs6g081	4.53	0	0	2	MASCOT	T	PLEX8	
8.66E-04	0|0	Cs6g08190.1/Cs6g081	4.03	0	0	2	MASCOT	T	PLEX8	
3.38E-03	0|0	Cs6g08190.1/Cs6g081	4.03	0	0	2	MASCOT	T	PLEX8	
2.39E-02	0|0	Cs6g08630.1/Cs6g086	6.79	0	0	2	MASCOT	T	PLEX8	
2.17E-02	0|0	Cs6g08630.1/Cs6g086	6.79	0	0	2	MASCOT	T	PLEX8	
5.22E-04	0|0	Cs6g08630.1/Cs6g086	6.79	0	0	2	MASCOT	T	PLEX8	
1.38E-01	0|0	Cs6g08650.1/Cs6g086	4.41	0	0	2	MASCOT	T	PLEX8	
4.34E-02	0|0	Cs6g08630.1/Cs6g086	4.53	0	0	2	MASCOT	T	PLEX8	
2.63E-02	0|0	Cs6g08630.1/Cs6g086	4.53	0	0	2	MASCOT	T	PLEX8	
2.03E-03	0|0	Cs7g16080.1/Cs7g160	4.21	0	0	2	MASCOT	T	PLEX8	
1.16E-02	0|0	Cs7g16080.1/Cs7g160	4.21	0	0	2	MASCOT	T	PLEX8	
2.33E-03	0|0	Cs7g16080.1/Cs7g160	6	0	0	2	MASCOT	T	PLEX8	
1.55E-03	0|0	Cs7g16080.1/Cs7g160	6	0	0	2	MASCOT	T	PLEX8	

7.51E-02	0|0	Cs7g16080.1/Cs7g160	6	0	0	2	MASCOT	T
7.67E-02	0|0	Cs7g16080.1/Cs7g160	8.59	0	0	2	MASCOT	T
1.38E-01	0|0	Cs6g14000.1/Cs7g231	8.76	0	0	2	MASCOT	T
4.86E-03	0|0	Cs6g14000.1/Cs7g231	4.53	0	0	2	MASCOT	T
1.68E-03	0|0	Cs6g14000.1/Cs7g231	4.53	0	0	2	MASCOT	T
9.67E-02	0|0	Cs6g14000.1/Cs7g231	4.53	0	0	2	MASCOT	T
1.95E-02	0|0	Cs6g14000.1/Cs7g231	4.53	0	0	2	MASCOT	T
2.25E-01	0|0	Cs6g14000.1/Cs7g231	4.03	0	15.9	0	2	MASCOT T PLEX8
6.91E-04	0|0	Cs7g27990.1	4.54	0	0	2	MASCOT	T
5.38E-02	0|0	Cs7g27990.1	5.19	0	15.9	0	2	MASCOT T PLEX8
4.27E-05	0|0	Cs7g27990.1	5.19	0	15.9	0	2	MASCOT T PLEX8
3.03E-04	0|0	Cs7g27990.1	5.19	0	0	2	MASCOT	T PLEX8
3.77E-03	0|0	Cs7g27990.1	6.04	0	0	2	MASCOT	T PLEX8
2.31E-03	0|0	Cs7g27990.1	6.04	0	0	2	MASCOT	T PLEX8
6.55E-02	0|0	Cs7g29500.1	6.1	0	0	2	MASCOT	T PLEX8
3.36E-01	0|0	Cs7g29500.1	4.53	0	0	2	MASCOT	T
1.15E-01	0|0	Cs7g29500.1	4.53	0	0	2	MASCOT	T
2.52E-04	0|0	Cs7g29500.1	6	0	0	2	MASCOT	T PLEX8
4.59E-03	0|0	Cs7g29500.1	6	0	0	2	MASCOT	T PLEX8
1.88E-02	0|0	Cs7g29500.1	6	0	0	2	MASCOT	T PLEX8
1.61E-02	0|0	Cs7g31420.1/Cs7g314	8.6	0	0	2	MASCOT	T PLEX8
5.32E-02	0|0	Cs7g31420.1/Cs7g314	8.6	0	0	2	MASCOT	T
3.99E-01	0|0	Cs7g31420.1/Cs7g314	8.6	0	0	2	MASCOT	T PLEX8
4.39E-03	0|0	Cs7g31420.1/Cs7g314	8.6	0	0	2	MASCOT	T PLEX8
1.46E-02	0|0	Cs4g19270.1/Cs7g314	5.84	0	0	2	MASCOT	T PLEX8
1.29E-01	0|0	Cs7g31410.1/Cs7g314	8.31	0	0	2	MASCOT	T PLEX8
1.54E-02	0|0	Cs8g02770.1	5.21	0	0	2	MASCOT	T PLEX8
7.89E-03	0|0	Cs8g02770.1	8.72	0	0	2	MASCOT	T PLEX8
3.21E-04	0|0	Cs8g02770.1	8.72	0	0	2	MASCOT	T PLEX8
3.24E-06	0|0	Cs8g02770.1	8.72	0	0	2	MASCOT	T PLEX8
1.35E-01	0|0	Cs8g02770.1	8.5	0	0	2	MASCOT	T PLEX8
4.25E-03	0|0	Cs8g02770.1	8.5	0	0	2	MASCOT	T PLEX8
1.48E-01	0|0	Cs8g05140.1/Cs8g051	4.37	0	0	2	MASCOT	T PLEX8
7.19E-02	0|0	Cs8g05140.1/Cs8g051	4.37	0	0	2	MASCOT	T PLEX8
9.51E-02	0|0	Cs8g05140.1/Cs8g051	4.37	0	0	2	MASCOT	T PLEX8
2.40E-02	0|0	Cs8g05140.1	4.53	0	0	2	MASCOT	T PLEX8
3.06E-03	0|0	Cs8g05140.1	5.75	0	15.9	0	2	MASCOT T PLEX8
1.21E-02	0|0	Cs8g05140.1	5.75	0	0	2	MASCOT	T PLEX8
7.66E-02	0|0	Cs6g11710.1/Cs8g166	8.75	0	0	2	MASCOT	T PLEX8
4.50E-03	0|0	Cs6g11710.1/Cs8g166	8.72	0	0	2	MASCOT	T PLEX8
9.41E-02	0|0	Cs6g11710.1/Cs8g166	8.72	0	0	2	MASCOT	T
4.08E-02	0|0	Cs6g11710.1/Cs8g166	5.97	0	0	2	MASCOT	T PLEX8
4.50E-07	0|0	Cs6g11710.1/Cs8g166	5.97	0	0	2	MASCOT	T PLEX8
1.04E-04	0|0	Cs6g11710.1/Cs8g166	5.97	0	0	2	MASCOT	T PLEX8
1.17E-01	0|0	Cs8g16640.1/Cs8g166	4.1	0	0	2	MASCOT	T
7.36E-04	0|0	Cs8g16640.1/Cs8g166	8.31	0	0	2	MASCOT	T PLEX8
1.11E-06	0|0	Cs8g16640.1/Cs8g166	4.37	0	0	2	MASCOT	T
1.29E-04	0|0	Cs8g16640.1/Cs8g166	4.37	0	0	2	MASCOT	T PLEX8
4.87E-02	0|0	Cs8g16640.1/Cs8g166	4.37	0	0	2	MASCOT	T PLEX8
2.25E-01	0|0	Cs8g16640.1/Cs8g166	4.37	0	0	2	MASCOT	T PLEX8
1.38E-02	0|0	Cs8g20430.1	4.37	0	0	2	MASCOT	T PLEX8

1.46E-01	0|0	Cs8g20430.1	4.75	0	15.9	0	2	MASCOT	T	PLEX8
1.89E-02	0|0	Cs8g20430.1	5.99	0		0	2	MASCOT	T	PLEX8
3.32E-02	0|0	Cs8g20430.1	5.99	0		0	2	MASCOT	T	PLEX8
1.06E-01	0|0	Cs8g20430.1	5.99	0		0	2	MASCOT	T	PLEX8
1.50E-02	0|0	Cs8g20430.1	5.99	0		0	2	MASCOT	T	PLEX8
4.44E-01	0|0	Cs9g14690.1	5.88	0		0	2	MASCOT	T	PLEX8
6.08E-02	0|0	Cs9g14690.1	5.88	0		0	2	MASCOT	T	PLEX8
8.90E-02	0|0	Cs9g14690.1	5.88	0		0	2	MASCOT	T	PLEX8
2.94E-02	0|0	Cs9g14690.1	4.43	1		0	2	MASCOT	T	PLEX8
1.71E-01	0|0	Cs9g14690.1	5.97	0		0	2	MASCOT	T	PLEX8
2.95E-04	0|0	Cs9g14690.1	5.97	0		0	2	MASCOT	T	
8.52E-03	0|0	Cs9g15140.1/Cs9g151	5.83	0		0	2	MASCOT	T	PLEX8
1.32E-02	0|0	Cs9g15140.1/Cs9g151	5.83	0		0	2	MASCOT	T	PLEX8
1.55E-02	0|0	Cs9g15140.1/Cs9g151	5.83	0		0	2	MASCOT	T	PLEX8
5.14E-03	0|0	Cs9g15140.1/Cs9g151	8.75	1		0	2	MASCOT	T	PLEX8
6.27E-04	0|0	Cs9g15140.1/Cs9g151	8.75	1		0	2	MASCOT	T	PLEX8
9.64E-06	0|0	Cs9g15140.1/Cs9g151	5.99	0		0	2	MASCOT	T	
4.22E-05	0|0	Cs3g15030.1/Cs9g024	6.79	0		0	2	MASCOT	T	PLEX8
7.18E-06	0|0	Cs3g15030.1/Cs9g024	6.79	0		0	2	MASCOT	T	PLEX8
1.89E-02	0|0	Cs3g15030.1/Cs9g024	5.84	0		0	2	MASCOT	T	PLEX8
4.99E-04	0|0	Cs3g15030.1/Cs9g024	5.84	0		0	2	MASCOT	T	PLEX8
5.78E-06	0|0	Cs9g02500.1/orange1.	5.4	0		0	2	MASCOT	T	PLEX8
4.63E-01	0|0	Cs9g02500.1/orange1.	5.4	0		0	2	MASCOT	T	PLEX8
2.16E-02	0|0	Cs1g02320.1/Cs1g023	4.37	0		0	2	MASCOT	T	PLEX8
3.13E-02	0|0	Cs1g02320.1/Cs1g023	5.21	0		0	2	MASCOT	T	PLEX8
2.63E-03	0|0	Cs1g02320.1/Cs1g023	5.21	0		0	2	MASCOT	T	PLEX8
1.88E-02	0|0	Cs1g02320.1/Cs1g023	5.21	0		0	2	MASCOT	T	PLEX8
9.31E-04	0|0	Cs1g02320.1/Cs1g023	6.91	0		0	2	MASCOT	T	PLEX8
4.62E-03	0|0	Cs1g04690.1/Cs1g046	6.04	0		0	2	MASCOT	T	PLEX8
2.12E-01	0|0	Cs1g04690.1/Cs1g046	6.04	0		0	2	MASCOT	T	PLEX8
3.64E-01	0|0	Cs1g04690.1/Cs1g046	6.04	0		0	2	MASCOT	T	PLEX8
1.30E-04	0|0	Cs1g04690.1/Cs1g046	4.14	0		0	2	MASCOT	T	PLEX8
7.96E-02	0|0	Cs1g04690.1/Cs1g046	4.37	0		0	2	MASCOT	T	PLEX8
2.29E-03	0|0	Cs1g10530.1/Cs1g105	5.88	0		0	2	MASCOT	T	PLEX8
2.60E-02	0|0	Cs1g10530.1/Cs1g105	4.23	1		0	2	MASCOT	T	PLEX8
2.04E-02	0|0	Cs1g10530.1/Cs1g105	8.41	0		0	2	MASCOT	T	PLEX8
4.86E-02	0|0	Cs1g10530.1/Cs1g105	8.41	0		0	2	MASCOT	T	PLEX8
7.64E-02	0|0	Cs1g10530.1/Cs1g105	8.41	0		0	2	MASCOT	T	PLEX8
3.42E-03	0|0	Cs1g13640.1/Cs1g136	4.37	0		0	2	MASCOT	T	PLEX8
5.55E-04	0|0	Cs1g13640.1/Cs1g136	4.37	0		0	2	MASCOT	T	PLEX8
8.79E-03	0|0	Cs1g13620.1/Cs1g136	5.5	0		0	2	MASCOT	T	
1.70E-03	0|0	Cs1g13690.1/Cs1g136	8.75	0		0	2	MASCOT	T	
2.72E-03	0|0	Cs1g13690.1/Cs1g136	8.75	0		0	2	MASCOT	T	PLEX8
2.25E-02	0|0	Cs1g13950.1/Cs1g139	4.37	0		0	2	MASCOT	T	PLEX8
3.01E-01	0|0	Cs1g13950.1/Cs1g139	4.37	0		0	2	MASCOT	T	PLEX8
8.54E-03	0|0	Cs1g13950.1/Cs1g139	4.37	0		0	2	MASCOT	T	PLEX8
1.47E-01	0|0	Cs1g13950.1/Cs1g139	4.03	0		0	2	MASCOT	T	PLEX8
1.68E-01	0|0	Cs1g13950.1/Cs1g139	6	0		0	2	MASCOT	T	PLEX8
2.19E-02	0|0	Cs1g14600.1/Cs1g146	4.53	0		0	2	MASCOT	T	
1.69E-03	0|0	Cs1g14600.1/Cs1g146	5.32	0		0	2	MASCOT	T	PLEX8
2.10E-01	0|0	Cs1g14600.1/Cs1g146	6.05	0		0	2	MASCOT	T	PLEX8

2.06E-02	0|0	Cs1g14600.1/Cs1g146	6.05	0	0	2	MASCOT	T	PLEX8	
2.09E-01	0|0	Cs1g14600.1/Cs1g146	6.05	0	0	2	MASCOT	T	PLEX8	
8.08E-02	0|0	Cs1g16950.1/Cs1g171	9.6	1	0	2	MASCOT	T	PLEX8	
7.03E-02	0|0	Cs1g16950.1/Cs1g169	6	0	0	2	MASCOT	T	PLEX8	
1.86E-02	0|0	Cs1g16950.1/Cs1g169	6	0	0	2	MASCOT	T	PLEX8	
1.39E-01	0|0	Cs1g16950.1/Cs1g169	6	0	0	2	MASCOT	T	PLEX8	
1.08E-02	0|0	Cs1g16950.1/Cs1g171	8.47	0	0	2	MASCOT	T	PLEX8	
1.06E-04	0|0	Cs1g25620.1	5.99	0	0	2	MASCOT	T	PLEX8	
4.68E-02	0|0	Cs1g25620.1	5.99	0	0	2	MASCOT	T	PLEX8	
7.43E-02	0|0	Cs1g25620.1	8.75	0	0	2	MASCOT	T	PLEX8	
2.45E-02	0|0	Cs1g25620.1	5.81	0	0	2	MASCOT	T	PLEX8	
7.36E-02	0|0	Cs1g25620.1	5.81	0	0	2	MASCOT	T	PLEX8	
2.70E-01	0|0	Cs2g02400.1	5.84	0	0	2	MASCOT	T	PLEX8	
1.03E-01	0|0	Cs2g02400.1	6.46	0	0	2	MASCOT	T	PLEX8	
4.21E-02	0|0	Cs2g02400.1	6.46	0	0	2	MASCOT	T	PLEX8	
2.16E-01	0|0	Cs2g02400.1	6	0	0	2	MASCOT	T	PLEX8	
6.18E-03	0|0	Cs2g02400.1	6	0	0	2	MASCOT	T	PLEX8	
6.06E-02	0|0	Cs2g06360.1 ! Cs2g06	4.14	0	0	2	MASCOT	T	PLEX8	
8.14E-02	0|0	Cs2g06360.1 ! Cs2g06	4.14	0	0	2	MASCOT	T	PLEX8	
2.11E-01	0|0	Cs2g06370.1/Cs2g063	9.76	0	0	2	MASCOT	T	PLEX8	
6.02E-02	0|0	Cs2g06360.1/Cs2g063	4.53	0	0	2	MASCOT	T	PLEX8	
2.66E-01	0|0	Cs2g06360.1/Cs2g063	4.53	0	0	2	MASCOT	T	PLEX8	
8.79E-02	0|0	Cs2g07300.1/Cs2g073	4.14	0	0	2	MASCOT	T	PLEX8	
9.59E-02	0|0	Cs2g07300.1/Cs2g073	4.14	0	0	2	MASCOT	T	PLEX8	
3.21E-01	0|0	Cs2g07300.1/Cs2g073	8.75	0	0	2	MASCOT	T	PLEX8	
3.23E-01	0|0	Cs2g07300.1/Cs2g073	8.75	0	0	2	MASCOT	T	PLEX8	
8.53E-04	0|0	Cs2g07300.1/Cs2g073	4.54	0	15.9	0	2	MASCOT	T	PLEX8
8.80E-02	0|0	Cs2g11800.1/Cs2g118	8.31	0	0	2	MASCOT	T	PLEX8	
4.28E-03	0|0	Cs2g11800.1/Cs2g118	8.22	0	0	2	MASCOT	T	PLEX8	
2.72E-03	0|0	Cs2g11800.1/Cs2g118	8.22	0	0	2	MASCOT	T	PLEX8	
5.47E-02	0|0	Cs2g11800.2	6	1	0	2	MASCOT	T	PLEX8	
1.57E-03	0|0	Cs2g11800.2	6	1	0	2	MASCOT	T	PLEX8	
3.96E-02	0|0	Cs2g22730.1/Cs2g227	8.22	0	0	2	MASCOT	T	PLEX8	
1.84E-05	0|0	Cs2g22730.1/Cs2g227	6	0	0	2	MASCOT	T	PLEX8	
2.28E-03	0|0	Cs2g22730.1/Cs2g227	4.25	0	0	2	MASCOT	T		
2.70E-05	0|0	Cs2g22730.1/Cs2g227	4.25	0	0	2	MASCOT	T		
7.57E-05	0|0	Cs2g22730.1/Cs2g227	4.25	0	0	2	MASCOT	T		
1.00E-01	0|0	Cs2g28080.1/Cs2g280	8.76	0	0	2	MASCOT	T		
2.10E-03	0|0	Cs2g28080.1/Cs2g280	8.76	0	0	2	MASCOT	T		
3.63E-04	0|0	Cs2g28080.1/Cs2g280	4.43	1	0	2	MASCOT	T	PLEX8	
1.05E-01	0|0	Cs2g28080.1/Cs2g280	4.43	1	0	2	MASCOT	T		
3.66E-04	0|0	Cs2g28080.1/Cs2g280	4.37	0	0	2	MASCOT	T		
5.01E-02	0|0	Cs3g02950.1/Cs3g029	4.53	0	0	2	MASCOT	T	PLEX8	
8.76E-06	0|0	Cs3g02950.1/Cs3g029	5.72	0	0	2	MASCOT	T	PLEX8	
7.19E-04	0|0	Cs3g02950.1/Cs3g029	4.14	0	0	2	MASCOT	T		
1.06E-02	0|0	Cs3g02950.1/Cs3g029	4.14	0	0	2	MASCOT	T		
5.73E-03	0|0	Cs3g02950.1/Cs3g029	4.14	0	0	2	MASCOT	T		
3.60E-01	0|0	Cs3g25280.1/Cs3g252	4.65	0	0	2	MASCOT	T	PLEX8	
1.13E-01	0|0	Cs3g25280.1	4.37	0	0	2	MASCOT	T	PLEX8	
6.94E-03	0|0	Cs1g08770.1/Cs1g087	8.59	0	0	2	MASCOT	T	PLEX8	
6.86E-03	0|0	Cs1g08770.1/Cs1g087	8.59	0	0	2	MASCOT	T	PLEX8	

3.66E-03	0|0	Cs1g08770.1/Cs1g087	8.59	0	0	2	MASCOT	T	PLEX8
4.43E-03	0|0	Cs4g07890.1/Cs4g078	5.88	0	0	2	MASCOT	T	PLEX8
5.11E-04	0|0	Cs4g07890.1/Cs4g078	4.31	0	0	2	MASCOT	T	PLEX8
5.80E-03	0|0	Cs4g07890.1/Cs4g078	4.31	0	0	2	MASCOT	T	PLEX8
1.06E-03	0|0	Cs4g07890.1/Cs4g078	4.4	0	0	2	MASCOT	T	PLEX8
1.27E-04	0|0	Cs4g07890.1/Cs4g078	4.4	0	0	2	MASCOT	T	PLEX8
4.65E-03	0|0	Cs4g09840.1	8.8	0	0	2	MASCOT	T	PLEX8
3.14E-03	0|0	Cs4g09840.1	8.8	0	0	2	MASCOT	T	PLEX8
6.15E-02	0|0	Cs4g09810.1/Cs4g098	4.25	0	0	2	MASCOT	T	
2.06E-01	0|0	Cs4g09810.1/Cs4g098	5.84	0	0	2	MASCOT	T	PLEX8
9.16E-04	0|0	Cs4g09810.1/Cs4g098	5.84	0	0	2	MASCOT	T	PLEX8
2.31E-01	0|0	Cs4g17290.1	5.4	0	0	2	MASCOT	T	PLEX8
6.94E-03	0|0	Cs1g08770.1/Cs1g087	8.59	0	0	2	MASCOT	T	PLEX8
6.86E-03	0|0	Cs1g08770.1/Cs1g087	8.59	0	0	2	MASCOT	T	PLEX8
3.66E-03	0|0	Cs1g08770.1/Cs1g087	8.59	0	0	2	MASCOT	T	PLEX8
2.25E-01	0|0	Cs4g17290.1	5.97	0	0	2	MASCOT	T	PLEX8
3.79E-01	0|0	Cs5g09170.1	6.79	0	15.9	0	2	MASCOT	T
9.93E-04	0|0	Cs5g09170.1	6.79	0	15.9	0	2	MASCOT	T
9.91E-02	0|0	Cs5g09170.1	4.37	0	0	2	MASCOT	T	PLEX8
5.96E-02	0|0	Cs5g09170.1	4.53	0	0	2	MASCOT	T	PLEX8
1.12E-01	0|0	Cs5g09170.1	4.53	0	0	2	MASCOT	T	PLEX8
2.01E-02	0|0	Cs5g10440.2/Cs5g207	4.37	0	0	2	MASCOT	T	PLEX8
1.28E-01	0|0	Cs5g10440.1/Cs5g104	5.55	0	0	2	MASCOT	T	PLEX8
4.55E-04	0|0	Cs5g10440.1/Cs5g104	5.55	0	0	2	MASCOT	T	PLEX8
2.38E-05	0|0	Cs5g10440.1/Cs5g104	5.72	0	0	2	MASCOT	T	PLEX8
1.26E-05	0|0	Cs5g10440.1/Cs5g104	5.72	0	0	2	MASCOT	T	PLEX8
6.06E-02	0|0	Cs5g11900.1/Cs5g119	5.88	0	0	2	MASCOT	T	
9.64E-03	0|0	Cs5g11900.1/Cs5g119	5.88	0	0	2	MASCOT	T	PLEX8
1.05E-01	0|0	Cs5g11900.1/Cs5g119	4.53	0	0	2	MASCOT	T	
1.25E-02	0|0	Cs5g11900.1/Cs5g119	4.37	0	0	2	MASCOT	T	PLEX8
4.18E-03	0|0	Cs5g11900.1/Cs5g119	4.37	0	0	2	MASCOT	T	PLEX8
9.27E-02	0|0	Cs5g15990.1/Cs5g159	6.05	0	0	2	MASCOT	T	PLEX8
2.98E-02	0|0	Cs5g15990.1/Cs5g159	6.05	0	0	2	MASCOT	T	PLEX8
1.71E-01	0|0	Cs5g15990.1/Cs5g159	6.05	0	0	2	MASCOT	T	PLEX8
3.62E-02	0|0	Cs5g15990.1/Cs5g159	4.03	0	0	2	MASCOT	T	
2.57E-01	0|0	Cs5g15990.1/Cs5g159	5.99	0	0	2	MASCOT	T	PLEX8
6.24E-02	0|0	Cs5g18400.1	4.53	0	0	2	MASCOT	T	PLEX8
4.01E-02	0|0	Cs5g18400.1	4.53	0	0	2	MASCOT	T	PLEX8
8.14E-02	0|0	Cs5g18400.1	6.85	0	0	2	MASCOT	T	PLEX8
2.86E-03	0|0	Cs5g18400.1	6.85	0	0	2	MASCOT	T	PLEX8
6.25E-02	0|0	Cs5g18400.1	4.37	0	0	2	MASCOT	T	
8.72E-02	0|0	Cs5g26800.1/Cs5g268	5.55	0	0	2	MASCOT	T	PLEX8
7.27E-02	0|0	Cs5g26800.1/Cs5g268	5.55	0	0	2	MASCOT	T	PLEX8
6.51E-03	0|0	Cs5g26800.1/Cs5g268	4.14	0	0	2	MASCOT	T	
1.90E-04	0|0	Cs5g26800.1/Cs5g268	4.14	0	0	2	MASCOT	T	
5.96E-03	0|0	Cs5g26800.1/Cs5g268	3.92	0	0	2	MASCOT	T	
5.08E-02	0|0	Cs5g30450.1/Cs5g304	4.41	0	0	2	MASCOT	T	PLEX8
1.95E-01	0|0	Cs5g30450.1/Cs5g304	4.37	0	0	2	MASCOT	T	
1.26E-04	0|0	Cs5g30450.1/Cs5g304	4.37	0	0	2	MASCOT	T	
1.05E-01	0|0	Cs3g10850.1/Cs5g304	5.5	0	0	2	MASCOT	T	PLEX8
3.97E-02	0|0	Cs3g10850.1/Cs5g304	5.5	0	0	2	MASCOT	T	PLEX8

4.40E-02	0|0	Cs6g14590.1	4.35	0	0	2	MASCOT	T	
1.85E-02	0|0	Cs6g14590.1	4.03	0	0	2	MASCOT	T	
3.26E-04	0|0	Cs6g14590.1	5.72	0	0	2	MASCOT	T	PLEX8
1.57E-03	0|0	Cs6g14590.1	5.72	0	0	2	MASCOT	T	PLEX8
1.09E-02	0|0	Cs6g14590.1	5.72	0	0	2	MASCOT	T	PLEX8
2.15E-02	0|0	Cs6g17550.1/Cs6g175	4.03	0	0	2	MASCOT	T	PLEX8
1.69E-01	0|0	Cs6g17550.1/Cs6g175	4.03	0	0	2	MASCOT	T	PLEX8
1.57E-01	0|0	Cs6g17550.1/Cs6g175	9.76	0	0	2	MASCOT	T	PLEX8
7.22E-02	0|0	Cs6g17550.1/Cs6g175	6	0	0	2	MASCOT	T	PLEX8
9.09E-02	0|0	Cs6g17550.1/Cs6g175	6	0	0	2	MASCOT	T	PLEX8
2.05E-01	0|0	Cs6g17790.1/Cs6g177	8.76	0	0	2	MASCOT	T	PLEX8
2.04E-02	0|0	Cs6g17790.1/Cs6g177	8.76	0	0	2	MASCOT	T	PLEX8
6.60E-02	0|0	Cs6g17790.1/Cs6g177	6	0	0	2	MASCOT	T	
9.72E-02	0|0	Cs6g17790.1/Cs6g177	6	0	0	2	MASCOT	T	PLEX8
1.04E-01	0|0	Cs6g17790.1/Cs6g177	4.21	0	0	2	MASCOT	T	
1.16E-03	0|0	Cs7g05570.1	4.25	0	0	2	MASCOT	T	PLEX8
1.57E-01	0|0	Cs7g05570.1	4.25	0	0	2	MASCOT	T	PLEX8
1.45E-03	0|0	Cs7g05570.1	4.25	0	0	2	MASCOT	T	PLEX8
4.50E-02	0|0	Cs7g05570.1	4.37	0	0	2	MASCOT	T	
3.78E-01	0|0	Cs7g05570.1	6.05	0	0	2	MASCOT	T	PLEX8
1.45E-03	0|0	Cs7g13070.1/Cs7g130	6.75	0	0	2	MASCOT	T	PLEX8
4.92E-03	0|0	Cs7g13070.1/Cs7g130	6.75	0	0	2	MASCOT	T	PLEX8
5.13E-02	0|0	Cs7g13070.1/Cs7g130	4.14	0	0	2	MASCOT	T	PLEX8
6.51E-04	0|0	Cs7g13070.1/Cs7g130	8.75	0	0	2	MASCOT	T	PLEX8
1.35E-02	0|0	Cs7g13070.1/Cs7g130	8.75	0	0	2	MASCOT	T	PLEX8
2.05E-02	0|0	Cs7g15310.1/Cs7g153	4.21	0	0	2	MASCOT	T	PLEX8
1.43E-02	0|0	Cs7g15310.1/Cs7g153	5.4	0	0	2	MASCOT	T	PLEX8
3.03E-03	0|0	Cs7g15310.1/Cs7g153	5.4	0	0	2	MASCOT	T	PLEX8
1.93E-01	0|0	Cs7g15310.1	4.37	0	0	2	MASCOT	T	PLEX8
2.61E-02	0|0	Cs7g15310.1	4.37	0	0	2	MASCOT	T	PLEX8
4.05E-01	0|0	Cs6g15670.1/Cs6g156	4.53	0	0	2	MASCOT	T	PLEX8
2.39E-01	0|0	Cs6g15670.1/Cs6g156	6	0	0	2	MASCOT	T	
1.00E-03	0|0	Cs6g15670.1/Cs6g156	6	0	0	2	MASCOT	T	
2.46E-01	0|0	Cs7g21120.1/Cs7g211	6.74	0	0	2	MASCOT	T	PLEX8
2.87E-02	0|0	Cs7g21120.1/Cs7g211	6.74	0	0	2	MASCOT	T	PLEX8
7.51E-03	0|0	Cs7g26540.1	6.75	0	0	2	MASCOT	T	PLEX8
2.95E-04	0|0	Cs7g26540.1	6.75	0	0	2	MASCOT	T	PLEX8
5.13E-02	0|0	Cs7g13070.1/Cs7g130	4.14	0	0	2	MASCOT	T	PLEX8
4.96E-04	0|0	Cs7g26540.1	5.99	0	0	2	MASCOT	T	PLEX8
4.13E-05	0|0	Cs7g26540.1	5.99	0	0	2	MASCOT	T	PLEX8
2.46E-02	0|0	Cs7g31080.1	4.03	0	0	2	MASCOT	T	
8.90E-04	0|0	Cs7g31080.1	4.03	0	0	2	MASCOT	T	
7.79E-02	0|0	Cs7g31080.1/Cs7g310	6.96	0	0	2	MASCOT	T	PLEX8
8.63E-02	0|0	Cs7g31080.1	4.37	0	0	2	MASCOT	T	PLEX8
1.20E-02	0|0	Cs7g31080.1	4.37	0	0	2	MASCOT	T	
2.17E-01	0|0	Cs8g01320.1/Cs8g013	4.37	0	0	2	MASCOT	T	PLEX8
1.93E-01	0|0	Cs8g01320.1/Cs8g013	5.88	0	0	2	MASCOT	T	PLEX8
1.27E-01	0|0	Cs8g01320.1/Cs8g013	5.88	0	0	2	MASCOT	T	PLEX8
2.30E-02	0|0	Cs8g01320.1/Cs8g013	4.17	0	0	2	MASCOT	T	PLEX8
4.54E-02	0|0	Cs8g01320.1/Cs8g013	4.17	0	0	2	MASCOT	T	PLEX8
1.66E-02	0|0	Cs8g02240.1	4.37	0	0	2	MASCOT	T	PLEX8

2.10E-02	0|0	Cs8g02240.1	4.37	0	0	2	MASCOT	T	PLEX8	
9.52E-02	0|0	Cs8g02240.1	6.74	0	0	2	MASCOT	T	PLEX8	
4.64E-03	0|0	Cs8g02240.1	6.74	0	0	2	MASCOT	T	PLEX8	
2.33E-01	0|0	Cs8g02240.1	5.84	0	0	2	MASCOT	T	PLEX8	
1.66E-02	0|0	Cs8g04090.1	4.14	0	0	2	MASCOT	T	PLEX8	
3.03E-02	0|0	Cs8g04090.1	4.14	0	0	2	MASCOT	T	PLEX8	
3.94E-02	0|0	Cs8g04090.1	4.21	0	0	2	MASCOT	T		
1.26E-01	0|0	Cs1g21530.1/Cs6g173	4.53	0	15.9	0	2	MASCOT	T	PLEX8
3.51E-03	0|0	Cs1g21530.1/Cs6g173	4.53	0	0	2	MASCOT	T	PLEX8	
4.22E-05	0|0	Cs3g15030.1/Cs9g024	6.79	0	0	2	MASCOT	T	PLEX8	
7.18E-06	0|0	Cs3g15030.1/Cs9g024	6.79	0	0	2	MASCOT	T	PLEX8	
1.89E-02	0|0	Cs3g15030.1/Cs9g024	5.84	0	0	2	MASCOT	T	PLEX8	
4.99E-04	0|0	Cs3g15030.1/Cs9g024	5.84	0	0	2	MASCOT	T	PLEX8	
4.75E-04	0|0	Cs3g15030.1/Cs9g024	8.6	0	0	2	MASCOT	T	PLEX8	
3.10E-02	0|0	Cs9g12510.1	5.21	0	0	2	MASCOT	T	PLEX8	
5.68E-02	0|0	Cs9g12510.1	6.04	0	0	2	MASCOT	T	PLEX8	
5.54E-02	0|0	Cs9g12510.1	6.04	0	0	2	MASCOT	T	PLEX8	
3.17E-02	0|0	Cs9g12510.1	8.75	0	0	2	MASCOT	T	PLEX8	
5.29E-03	0|0	Cs9g12510.1	8.75	0	0	2	MASCOT	T	PLEX8	
6.40E-02	0|0	Cs5g30520.1 ! Cs6g13	9.8	0	0	2	MASCOT	T	PLEX8	
1.07E-01	0|0	Cs9g18860.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.25E-01	0|0	Cs9g18860.1	4.37	0	0	2	MASCOT	T		
4.19E-02	0|0	Cs9g18860.1	4.53	0	0	2	MASCOT	T		
2.36E-03	0|0	Cs9g18860.1	4.53	0	0	2	MASCOT	T		
2.53E-03	0|0	Cs9g19290.1/Cs9g192	4.25	0	0	2	MASCOT	T	PLEX8	
1.57E-03	0|0	Cs9g19290.1/Cs9g192	4.37	0	0	2	MASCOT	T		
1.71E-01	0|0	Cs9g19290.1/Cs9g192	4.37	0	0	2	MASCOT	T		
1.31E-01	0|0	Cs9g19290.1/Cs9g192	4.37	0	0	2	MASCOT	T		
9.60E-07	0|0	Cs9g19290.1/Cs9g192	4.37	0	0	2	MASCOT	T		
6.69E-03	0|0	orange1.1t02361.1/ora	4.03	0	0	2	MASCOT	T		
4.87E-02	0|0	orange1.1t02361.1/ora	6.74	0	0	2	MASCOT	T	PLEX8	
2.05E-01	0|0	orange1.1t02361.1/ora	6.74	0	0	2	MASCOT	T		
4.91E-02	0|0	orange1.1t02361.1/ora	6	0	0	2	MASCOT	T	PLEX8	
1.27E-03	0|0	orange1.1t02361.1/ora	6	0	0	2	MASCOT	T	PLEX8	
1.95E-03	0|0	orange1.1t03059.1/ora	5.32	0	15.9	0	2	MASCOT	T	PLEX8
5.27E-02	0|0	Cs7g31990.1/Cs7g319	4.14	0	0	2	MASCOT	T	PLEX8	
2.12E-01	0|0	orange1.1t03059.1/ora	9.73	0	0	2	MASCOT	T		
5.44E-02	0|0	orange1.1t03059.1/ora	9.73	0	0	2	MASCOT	T		
7.98E-04	0|0	orange1.1t03059.1/ora	9.73	0	0	2	MASCOT	T	PLEX8	
1.85E-02	0|0	orange1.1t03745.1/ora	6	0	0	2	MASCOT	T		
4.10E-03	0|0	orange1.1t03745.1/ora	6	0	0	2	MASCOT	T	PLEX8	
9.14E-02	0|0	orange1.1t03745.1/ora	5.4	0	0	2	MASCOT	T	PLEX8	
7.08E-02	0|0	orange1.1t03745.1/ora	5.4	0	0	2	MASCOT	T	PLEX8	
1.51E-01	0|0	orange1.1t03745.1/ora	4.09	0	0	2	MASCOT	T	PLEX8	
1.03E-01	0|0	Cs1g08480.1/Cs1g084	8.75	0	0	2	MASCOT	T	PLEX8	
1.18E-02	0|0	Cs1g08480.1/Cs1g084	9.76	0	0	2	MASCOT	T	PLEX8	
1.30E-01	0|0	Cs1g08480.1/Cs1g084	9.76	0	0	2	MASCOT	T	PLEX8	
9.19E-02	0|0	Cs1g08480.1/Cs1g084	4.25	0	0	2	MASCOT	T		
9.64E-03	0|0	Cs1g21110.1	6.74	0	0	2	MASCOT	T	PLEX8	
1.53E-02	0|0	Cs1g21110.1	6.74	0	0	2	MASCOT	T	PLEX8	
2.84E-03	0|0	Cs1g21110.1	6.74	0	0	2	MASCOT	T	PLEX8	

2.21E-02 0|0	Cs1g21110.1	5.55	0	0	2	MASCOT	T	PLEX8
2.28E-02 0|0	Cs2g03540.1/Cs2g035	4.53	0	0	2	MASCOT	T	PLEX8
5.04E-03 0|0	Cs2g03540.1	4.65	0	0	2	MASCOT	T	PLEX8
1.01E-01 0|0	Cs2g03540.1	4.65	0	0	2	MASCOT	T	PLEX8
6.49E-02 0|0	Cs2g03540.1/Cs2g035	7.94	0	0	2	MASCOT	T	PLEX8
1.21E-01 0|0	Cs2g10840.1	4.21	0	0	2	MASCOT	T	PLEX8
8.91E-03 0|0	Cs2g10840.1	5.84	0	0	2	MASCOT	T	PLEX8
5.42E-04 0|0	Cs2g10840.1	5.84	0	0	2	MASCOT	T	PLEX8
1.29E-03 0|0	Cs2g10840.1	4.37	0	0	2	MASCOT	T	PLEX8
1.90E-02 0|0	Cs2g13730.1/Cs2g137	4.03	0	0	2	MASCOT	T	PLEX8
1.01E-02 0|0	Cs2g13730.1/Cs2g137	4.03	0	0	2	MASCOT	T	PLEX8
5.54E-02 0|0	Cs2g13730.1/Cs2g137	4.37	0	0	2	MASCOT	T	
3.40E-02 0|0	Cs2g13730.1/Cs2g137	8.75	0	0	2	MASCOT	T	PLEX8
2.78E-01 0|0	Cs2g18450.1/Cs2g184	5.32	0	0	2	MASCOT	T	PLEX8
3.76E-02 0|0	Cs2g18450.1/Cs2g184	5.88	0	0	2	MASCOT	T	PLEX8
2.19E-06 0|0	Cs2g18450.1/Cs2g184	4	0	0	2	MASCOT	T	PLEX8
3.57E-02 0|0	Cs2g18450.1/Cs2g184	4	0	0	2	MASCOT	T	PLEX8
1.82E-01 0|0	Cs2g26770.1/Cs2g267	5.84	0	0	2	MASCOT	T	PLEX8
4.63E-02 0|0	Cs2g26770.1/Cs2g267	6.74	0	0	2	MASCOT	T	PLEX8
2.73E-04 0|0	Cs2g26770.1/Cs2g267	6.74	0	0	2	MASCOT	T	PLEX8
4.35E-01 0|0	Cs2g26770.1/Cs2g267	8.75	0	0	2	MASCOT	T	PLEX8
2.83E-02 0|0	Cs2g28780.1	5.82	0	0	2	MASCOT	T	PLEX8
1.02E-03 0|0	Cs2g28780.1	5.84	0	0	2	MASCOT	T	PLEX8
2.09E-02 0|0	Cs2g28780.1	8.47	0	0	2	MASCOT	T	PLEX8
6.17E-02 0|0	Cs2g28780.1	8.47	0	0	2	MASCOT	T	PLEX8
5.23E-02 0|0	Cs3g10840.1/Cs8g026	9.72	0	0	2	MASCOT	T	
1.50E-03 0|0	Cs3g10840.1/Cs8g026	9.72	0	0	2	MASCOT	T	
1.83E-02 0|0	Cs3g10840.1/Cs3g108	5.99	0	0	2	MASCOT	T	
1.41E-08 0|0	Cs3g10840.1/Cs3g108	9.76	0	0	2	MASCOT	T	
6.09E-03 0|0	Cs3g11410.1/Cs5g311	6.74	0	0	2	MASCOT	T	PLEX8
9.24E-04 0|0	Cs3g11410.1/Cs5g311	6.74	0	0	2	MASCOT	T	PLEX8
1.03E-02 0|0	Cs3g11410.1	4.21	0	0	2	MASCOT	T	PLEX8
4.33E-03 0|0	Cs3g11410.1/Cs5g311	8.75	1	0	2	MASCOT	T	PLEX8
2.32E-03 0|0	Cs3g16830.1	5.72	0	0	2	MASCOT	T	PLEX8
1.82E-02 0|0	Cs3g16830.1	5.72	0	0	2	MASCOT	T	PLEX8
4.86E-05 0|0	Cs3g16830.1	6	0	0	2	MASCOT	T	
2.31E-01 0|0	Cs3g16830.1	8.56	0	0	2	MASCOT	T	PLEX8
2.36E-04 0|0	Cs3g22310.1/Cs3g223	3.91	0	0	2	MASCOT	T	PLEX8
6.47E-03 0|0	Cs3g22310.1/Cs3g223	4.37	0	0	2	MASCOT	T	PLEX8
6.19E-03 0|0	Cs3g22310.1/Cs3g223	4.37	0	0	2	MASCOT	T	PLEX8
1.49E-03 0|0	Cs3g22310.1/Cs3g223	4.37	0	0	2	MASCOT	T	
5.94E-03 0|0	Cs4g01980.1	4.03	1	0	2	MASCOT	T	PLEX8
1.55E-01 0|0	Cs4g01980.1	8.72	0	0	2	MASCOT	T	PLEX8
2.08E-01 0|0	Cs4g01980.1	8.75	0	0	2	MASCOT	T	PLEX8
2.17E-03 0|0	Cs4g01980.1	8.75	0	0	2	MASCOT	T	PLEX8
1.55E-01 0|0	Cs4g03450.1/Cs6g059	6	0	0	2	MASCOT	T	PLEX8
4.02E-01 0|0	Cs4g03450.1/Cs6g059	5.5	0	0	2	MASCOT	T	PLEX8
3.07E-02 0|0	Cs4g03450.1/Cs6g059	5.32	0	0	2	MASCOT	T	PLEX8
1.76E-02 0|0	Cs4g03450.1/Cs6g059	5.32	0	0	2	MASCOT	T	PLEX8
9.67E-03 0|0	Cs4g04180.1	4.65	0	0	2	MASCOT	T	PLEX8
4.86E-03 0|0	Cs4g04180.1	6.79	0	0	2	MASCOT	T	PLEX8

4.40E-02	0|0	Cs4g04180.1	6.79	0	0	2	MASCOT	T	PLEX8	
1.54E-01	0|0	Cs4g04180.1	6	0	0	2	MASCOT	T	PLEX8	
6.57E-04	0|0	Cs4g06630.1	4.14	0	0	2	MASCOT	T	PLEX8	
1.16E-04	0|0	Cs1g16550.1/Cs4g066	5.84	0	0	2	MASCOT	T	PLEX8	
2.61E-04	0|0	Cs1g16550.1/Cs4g066	5.84	0	0	2	MASCOT	T	PLEX8	
8.57E-04	0|0	Cs4g06630.1	5.84	0	0	2	MASCOT	T	PLEX8	
7.30E-02	0|0	Cs5g01930.1/Cs5g019	4.75	0	0	2	MASCOT	T	PLEX8	
2.87E-04	0|0	Cs5g01930.1/Cs5g019	4.75	0	0	2	MASCOT	T	PLEX8	
4.46E-03	0|0	Cs5g01930.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.50E-01	0|0	Cs5g01930.1	5.32	0	0	2	MASCOT	T	PLEX8	
7.38E-02	0|0	Cs5g11880.1/Cs5g118	8.22	0	0	2	MASCOT	T	PLEX8	
2.57E-02	0|0	Cs5g11880.1/Cs5g118	8.59	1	0	2	MASCOT	T	PLEX8	
7.73E-02	0|0	Cs5g11880.1/Cs5g118	3.91	0	0	2	MASCOT	T	PLEX8	
2.04E-02	0|0	Cs5g11880.1/Cs5g118	3.91	0	0	2	MASCOT	T		
8.45E-02	0|0	Cs5g15730.1	9.76	0	0	2	MASCOT	T		
3.20E-01	0|0	Cs5g15730.1	9.76	0	0	2	MASCOT	T		
6.97E-05	0|0	Cs5g15730.1	5.32	0	0	2	MASCOT	T	PLEX8	
1.55E-01	0|0	Cs5g15730.1	5.66	0	0	2	MASCOT	T	PLEX8	
3.07E-01	0|0	Cs2g17730.1/Cs2g177	4.37	0	0	2	MASCOT	T	PLEX8	
1.28E-03	0|0	Cs5g25170.1	4.37	0	0	2	MASCOT	T	PLEX8	
8.24E-05	0|0	Cs5g25170.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.07E-05	0|0	Cs5g25170.1	5.72	0	0	2	MASCOT	T	PLEX8	
2.22E-01	0|0	Cs5g27465.1	6.75	0	0	2	MASCOT	T	PLEX8	
7.03E-03	0|0	Cs5g27465.1	4.37	0	0	2	MASCOT	T	PLEX8	
2.92E-03	0|0	Cs5g27465.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.64E-02	0|0	Cs5g27465.1	4.68	1	0	2	MASCOT	T		
1.40E-01	0|0	Cs6g06560.1/Cs6g065	5.84	0	0	2	MASCOT	T	PLEX8	
2.87E-02	0|0	Cs6g06560.1/Cs6g065	9.73	0	0	2	MASCOT	T	PLEX8	
5.77E-01	0|0	Cs6g06560.1/Cs6g065	9.73	0	0	2	MASCOT	T		
2.81E-03	0|0	Cs6g06560.1/Cs6g065	3.92	0	0	2	MASCOT	T		
1.70E-02	0|0	Cs6g10030.1/Cs6g100	4.37	0	15.9	0	2	MASCOT	T	PLEX8
1.49E-02	0|0	Cs6g10030.1/Cs6g100	4.37	0	0	2	MASCOT	T	PLEX8	
3.52E-02	0|0	Cs6g10030.1/Cs6g100	4.37	0	0	2	MASCOT	T		
1.03E-02	0|0	Cs6g10030.1/Cs6g100	4.03	0	0	2	MASCOT	T	PLEX8	
4.44E-02	0|0	Cs6g11420.1/Cs6g114	5.4	0	0	2	MASCOT	T	PLEX8	
5.24E-03	0|0	Cs6g11420.1/Cs6g114	5.4	0	0	2	MASCOT	T	PLEX8	
1.18E-01	0|0	Cs6g11420.1/Cs6g114	4.21	0	0	2	MASCOT	T		
1.16E-01	0|0	Cs6g11420.1	8.75	0	0	2	MASCOT	T		
1.27E-01	0|0	Cs6g12040.1	4.37	0	0	2	MASCOT	T	PLEX8	
5.98E-03	0|0	Cs6g12040.1	4.53	0	0	2	MASCOT	T		
5.60E-02	0|0	Cs6g12040.1	4.25	0	0	2	MASCOT	T		
8.94E-04	0|0	Cs6g12040.1	4.25	0	0	2	MASCOT	T		
4.18E-02	0|0	Cs6g13960.1/Cs6g139	6.85	0	0	2	MASCOT	T	PLEX8	
3.58E-04	0|0	Cs6g13960.1/Cs6g139	9.41	0	0	2	MASCOT	T	PLEX8	
3.16E-06	0|0	Cs6g13960.1/Cs6g139	9.41	0	0	2	MASCOT	T		
1.24E-01	0|0	Cs2g17280.1/Cs6g139	4.14	0	0	2	MASCOT	T	PLEX8	
1.84E-01	0|0	Cs6g19970.1	5.84	0	0	2	MASCOT	T		
4.25E-02	0|0	Cs6g19970.1	5.84	0	0	2	MASCOT	T	PLEX8	
4.42E-01	0|0	Cs6g19970.1	5.32	0	0	2	MASCOT	T	PLEX8	
3.70E-01	0|0	Cs6g19970.1	4.53	0	0	2	MASCOT	T	PLEX8	
2.53E-01	0|0	Cs7g01430.1	5.4	0	0	2	MASCOT	T	PLEX8	

2.95E-01	0|0	Cs7g01430.1	5.4	0	0	2	MASCOT	T	PLEX8	
3.72E-04	0|0	Cs7g01430.1	4.14	0	0	2	MASCOT	T	PLEX8	
1.02E-01	0|0	Cs7g01430.1	8.56	0	0	2	MASCOT	T	PLEX8	
1.06E-01	0|0	Cs7g04890.1	6.1	0	0	2	MASCOT	T	PLEX8	
4.71E-03	0|0	Cs7g04890.1	6.1	0	0	2	MASCOT	T		
1.49E-01	0|0	Cs5g01600.1/Cs5g016	4.37	0	0	2	MASCOT	T	PLEX8	
3.58E-01	0|0	Cs7g04890.1	5.84	0	15.9	0	2	MASCOT	T	PLEX8
3.04E-02	0|0	Cs7g05690.1/Cs7g056	9.76	0	0	2	MASCOT	T	PLEX8	
4.90E-02	0|0	Cs7g05690.1/Cs7g056	9.76	0	0	2	MASCOT	T	PLEX8	
3.01E-03	0|0	Cs4g05380.1/Cs4g053	6.74	0	0	2	MASCOT	T	PLEX8	
1.16E-01	0|0	Cs4g05380.1/Cs4g053	4.21	0	0	2	MASCOT	T	PLEX8	
2.03E-01	0|0	Cs7g06710.1	3.92	0	0	2	MASCOT	T	PLEX8	
3.24E-02	0|0	Cs7g06710.1	8.75	0	0	2	MASCOT	T	PLEX8	
2.03E-01	0|0	Cs7g06710.1	9.44	0	0	2	MASCOT	T		
2.36E-03	0|0	Cs7g06710.1	9.44	0	0	2	MASCOT	T		
2.32E-03	0|0	Cs7g10420.1/Cs7g104	6.72	0	0	2	MASCOT	T		
1.88E-02	0|0	Cs7g10420.1/Cs7g104	4.21	0	0	2	MASCOT	T		
6.25E-04	0|0	Cs7g10420.1/Cs7g104	4.32	0	0	2	MASCOT	T		
1.42E-01	0|0	Cs7g10420.1/Cs7g104	4.32	0	0	2	MASCOT	T	PLEX8	
5.47E-03	0|0	Cs7g12880.1/Cs7g128	5.3	0	0	2	MASCOT	T		
1.57E-03	0|0	Cs7g12880.1/Cs7g128	4.25	0	0	2	MASCOT	T	PLEX8	
1.59E-02	0|0	Cs7g12880.1/Cs7g128	4.25	0	0	2	MASCOT	T	PLEX8	
1.24E-03	0|0	Cs7g12880.1/Cs7g128	8.76	0	0	2	MASCOT	T	PLEX8	
6.02E-04	0|0	Cs7g14690.1	6	0	0	2	MASCOT	T		
2.40E-02	0|0	Cs7g14690.1	5.8	0	0	2	MASCOT	T	PLEX8	
3.29E-01	0|0	Cs7g14690.1	5.8	0	0	2	MASCOT	T	PLEX8	
6.38E-02	0|0	Cs7g14690.1	4.53	0	0	2	MASCOT	T	PLEX8	
6.46E-03	0|0	Cs1g17970.1/Cs4g055	4.68	1	0	2	MASCOT	T	PLEX8	
7.90E-03	0|0	Cs1g17970.1/Cs4g055	4.68	1	0	2	MASCOT	T	PLEX8	
2.49E-03	0|0	Cs1g17970.1/Cs4g055	4.14	0	0	2	MASCOT	T	PLEX8	
2.15E-01	0|0	Cs7g15110.1	6.85	0	0	2	MASCOT	T		
5.47E-02	0|0	Cs7g19420.1	5.55	0	0	2	MASCOT	T	PLEX8	
1.57E-02	0|0	Cs7g19420.1	4.64	0	0	2	MASCOT	T		
1.99E-01	0|0	Cs7g19420.1	4.64	0	0	2	MASCOT	T		
6.88E-02	0|0	Cs7g19420.1	4.02	1	0	2	MASCOT	T	PLEX8	
1.69E-01	0|0	Cs7g26950.1/Cs7g269	8.8	0	0	2	MASCOT	T	PLEX8	
1.96E-01	0|0	Cs7g26950.1/Cs7g269	8.8	0	0	2	MASCOT	T		
7.09E-02	0|0	Cs7g26950.1/Cs7g269	5.84	0	0	2	MASCOT	T		
1.22E-01	0|0	Cs7g26950.1/Cs7g269	5.84	0	0	2	MASCOT	T	PLEX8	
1.22E-01	0|0	Cs8g02720.1	8.59	0	0	2	MASCOT	T	PLEX8	
1.05E-02	0|0	Cs8g02720.1	4.53	0	0	2	MASCOT	T	PLEX8	
3.57E-02	0|0	Cs8g02720.1	4.53	0	0	2	MASCOT	T	PLEX8	
3.40E-01	0|0	Cs3g26350.1/Cs3g263	6.74	0	0	2	MASCOT	T		
1.66E-01	0|0	Cs8g19240.1/Cs8g192	4.09	0	0	2	MASCOT	T		
1.12E-02	0|0	Cs7g32110.1/Cs7g321	5.84	0	0	2	MASCOT	T	PLEX8	
1.25E-03	0|0	Cs7g32110.1/Cs7g321	5.84	0	0	2	MASCOT	T	PLEX8	
2.64E-04	0|0	Cs7g32110.1/Cs7g321	5.84	0	0	2	MASCOT	T	PLEX8	
3.57E-01	0|0	Cs2g12320.1/Cs2g123	8.25	0	0	2	MASCOT	T	PLEX8	
7.27E-04	0|0	Cs2g12320.1/Cs2g123	8.25	0	0	2	MASCOT	T	PLEX8	
8.40E-02	0|0	Cs9g03400.1	8.75	1	0	2	MASCOT	T	PLEX8	
4.26E-03	0|0	Cs5g26310.1/Cs5g263	4.14	0	0	2	MASCOT	T	PLEX8	

5.85E-02	0|0	Cs9g05180.1/Cs9g051	4.53	0	0	2	MASCOT	T	PLEX8	
1.11E-02	0|0	Cs9g05180.1/Cs9g051	5.4	0	0	2	MASCOT	T	PLEX8	
1.88E-01	0|0	Cs9g05180.1/Cs9g051	8.22	0	0	2	MASCOT	T	PLEX8	
8.64E-02	0|0	Cs9g05180.1/Cs9g051	8.22	0	0	2	MASCOT	T	PLEX8	
4.65E-01	0|0	Cs9g07640.1/Cs9g076	8.59	0	0	2	MASCOT	T		
6.15E-03	0|0	Cs9g07640.1/Cs9g076	4.56	0	0	2	MASCOT	T	PLEX8	
2.22E-04	0|0	Cs9g07640.1/Cs9g076	4.21	0	0	2	MASCOT	T	PLEX8	
9.44E-02	0|0	Cs9g07640.1/Cs9g076	4.21	0	0	2	MASCOT	T	PLEX8	
8.15E-02	0|0	Cs9g16200.1	8.8	0	0	2	MASCOT	T	PLEX8	
7.37E-02	0|0	Cs9g16200.1	6	0	0	2	MASCOT	T	PLEX8	
2.19E-02	0|0	Cs9g16200.1	5.26	0	0	2	MASCOT	T		
1.88E-02	0|0	Cs9g16200.1	5.26	0	0	2	MASCOT	T		
3.83E-02	0|0	orange1.1t00222.1/ora	5.72	0	0	2	MASCOT	T	PLEX8	
1.60E-03	0|0	orange1.1t00222.1/ora	5.72	0	0	2	MASCOT	T	PLEX8	
3.93E-03	0|0	orange1.1t00222.1/ora	6	0	15.9	0	2	MASCOT	T	PLEX8
2.50E-01	0|0	orange1.1t00222.1/ora	6	0	0	2	MASCOT	T	PLEX8	
6.42E-03	0|0	orange1.1t00477.1	4.37	0	0	2	MASCOT	T		
9.49E-02	0|0	orange1.1t00477.1	5.84	0	0	2	MASCOT	T	PLEX8	
6.15E-02	0|0	orange1.1t00477.1	9.57	0	0	2	MASCOT	T	PLEX8	
4.00E-02	0|0	orange1.1t00477.1	9.57	0	0	2	MASCOT	T	PLEX8	
1.10E-01	0|0	orange1.1t00566.1/ora	6.1	0	0	2	MASCOT	T	PLEX8	
2.09E-02	0|0	orange1.1t00566.1/ora	6.05	0	0	2	MASCOT	T	PLEX8	
1.30E-01	0|0	Cs5g01280.1/orange1.	6	0	0	2	MASCOT	T		
3.34E-04	0|0	Cs5g01280.1/orange1.	6	0	0	2	MASCOT	T		
5.51E-05	0|0	orange1.1t00774.2	4.31	0	0	2	MASCOT	T	PLEX8	
2.69E-01	0|0	orange1.1t00774.2	8.76	0	0	2	MASCOT	T		
1.05E-01	0|0	orange1.1t00774.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
5.83E-02	0|0	orange1.1t00774.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
2.33E-04	0|0	orange1.1t01276.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
5.70E-02	0|0	orange1.1t01276.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
4.04E-02	0|0	Cs5g01850.1/orange1.	6.74	0	0	2	MASCOT	T	PLEX8	
2.55E-02	0|0	Cs5g01850.1/orange1.	8.75	0	0	2	MASCOT	T	PLEX8	
1.46E-01	0|0	Cs6g01310.1/Cs6g013	6.85	0	0	2	MASCOT	T	PLEX8	
1.17E-01	0|0	Cs6g01310.1/Cs6g013	9.44	0	0	2	MASCOT	T	PLEX8	
4.96E-06	0|0	orange1.1t01755.2	4.13	0	0	2	MASCOT	T	PLEX8	
1.05E-04	0|0	orange1.1t01755.2	4.13	0	0	2	MASCOT	T		
1.59E-01	0|0	orange1.1t02004.1/ora	5.4	0	0	2	MASCOT	T	PLEX8	
2.03E-02	0|0	orange1.1t02004.1/ora	5.4	0	0	2	MASCOT	T		
2.87E-04	0|0	orange1.1t02004.2/ora	6.75	0	0	2	MASCOT	T	PLEX8	
9.82E-02	0|0	orange1.1t02004.1/ora	4.75	0	0	2	MASCOT	T	PLEX8	
7.48E-02	0|0	orange1.1t03253.1	4.37	0	0	2	MASCOT	T	PLEX8	
6.13E-02	0|0	orange1.1t03253.1	5.84	0	0	2	MASCOT	T		
2.90E-06	0|0	orange1.1t03253.1	5.84	0	0	2	MASCOT	T		
1.40E-01	0|0	orange1.1t03253.1	5.4	0	0	2	MASCOT	T	PLEX8	
6.64E-03	0|0	orange1.1t03561.1	9.8	0	0	2	MASCOT	T	PLEX8	
3.15E-02	0|0	orange1.1t03561.1	9.8	0	0	2	MASCOT	T	PLEX8	
9.41E-03	0|0	orange1.1t03561.1	9.8	0	0	2	MASCOT	T	PLEX8	
9.89E-02	0|0	orange1.1t03561.1	8.8	0	0	2	MASCOT	T	PLEX8	
6.51E-02	0|0	orange1.1t03956.1	4.25	0	0	2	MASCOT	T	PLEX8	
1.20E-02	0|0	orange1.1t03956.1	4.22	0	0	2	MASCOT	T	PLEX8	
4.26E-02	0|0	orange1.1t03956.1	4.22	0	0	2	MASCOT	T	PLEX8	

1.45E-01	0|0	orange1.1t03956.1	5.66	0	0	2	MASCOT	T		
1.34E-04	0|0	orange1.1t04182.1	4.65	0	0	2	MASCOT	T	PLEX8	
1.31E-01	0|0	orange1.1t04182.1	9.73	0	0	2	MASCOT	T	PLEX8	
1.13E-07	0|0	orange1.1t04182.1	5.32	0	0	2	MASCOT	T	PLEX8	
1.18E-03	0|0	orange1.1t04182.1	5.32	0	0	2	MASCOT	T		
1.00E-02	0|0	orange1.1t05474.1	4.37	0	0	2	MASCOT	T		
2.81E-02	0|0	orange1.1t05474.1	4.54	0	0	2	MASCOT	T	PLEX8	
8.94E-02	0|0	orange1.1t05474.1	4.54	0	0	2	MASCOT	T		
5.09E-01	0|0	Cs9g16530.1 ! orange1	8.75	0	0	2	MASCOT	T	PLEX8	
5.41E-04	0|0	Cs1g01660.1	3.98	0	0	2	MASCOT	T	PLEX8	
1.65E-03	0|0	Cs1g01660.1	3.91	0	0	2	MASCOT	T	PLEX8	
4.43E-02	0|0	Cs1g01660.1	4.25	0	0	2	MASCOT	T	PLEX8	
2.55E-01	0|0	Cs1g02810.1	5.32	0	0	2	MASCOT	T		
1.44E-01	0|0	Cs1g02810.1	4.21	0	0	2	MASCOT	T	PLEX8	
2.61E-02	0|0	Cs1g02810.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.11E-03	0|0	Cs1g09280.1/Cs1g092	4.37	0	0	2	MASCOT	T	PLEX8	
3.23E-02	0|0	Cs1g09280.1/Cs1g092	5.84	0	0	2	MASCOT	T	PLEX8	
6.06E-04	0|0	Cs1g09280.1/Cs1g092	4.53	0	0	2	MASCOT	T	PLEX8	
9.49E-04	0|0	Cs1g16450.1/Cs1g164	4.21	0	0	2	MASCOT	T	PLEX8	
1.84E-02	0|0	Cs1g16450.1/Cs1g164	8.2	0	0	2	MASCOT	T	PLEX8	
1.51E-01	0|0	Cs1g16450.1/Cs1g164	5.97	0	0	2	MASCOT	T	PLEX8	
1.30E-01	0|0	Cs1g18720.1/Cs1g187	5.4	0	0	2	MASCOT	T	PLEX8	
8.53E-04	0|0	Cs1g18720.1	4.75	0	0	2	MASCOT	T	PLEX8	
1.13E-01	0|0	Cs5g01500.1 ! Cs7g11	6.75	0	0	2	MASCOT	T	PLEX8	
1.34E-01	0|0	Cs1g25690.1/Cs8g027	6	0	15.9	0	2	MASCOT	T	PLEX8
2.12E-03	0|0	Cs1g25690.1/Cs8g027	4.53	0	0	2	MASCOT	T	PLEX8	
7.05E-02	0|0	Cs1g25690.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.16E-02	0|0	Cs2g06330.1	4.25	0	0	2	MASCOT	T		
7.14E-02	0|0	Cs2g06330.1	8.8	0	0	2	MASCOT	T	PLEX8	
9.21E-02	0|0	Cs2g06330.1	6	0	0	2	MASCOT	T	PLEX8	
9.02E-03	0|0	Cs2g08060.1/Cs2g080	4.03	0	0	2	MASCOT	T	PLEX8	
2.03E-01	0|0	Cs2g08060.1/Cs2g080	8.76	0	0	2	MASCOT	T	PLEX8	
6.48E-04	0|0	Cs2g08060.1/Cs2g080	4.37	0	0	2	MASCOT	T	PLEX8	
2.11E-03	0|0	Cs2g09530.1/Cs2g095	4.48	0	0	2	MASCOT	T	PLEX8	
5.60E-02	0|0	Cs2g09530.1/Cs2g095	4.37	0	0	2	MASCOT	T	PLEX8	
1.70E-02	0|0	Cs2g09530.1/Cs2g095	4.14	0	0	2	MASCOT	T	PLEX8	
8.61E-03	0|0	Cs2g09720.1/Cs2g097	3.92	0	0	2	MASCOT	T		
1.60E-01	0|0	Cs2g09720.1/Cs2g097	6.5	0	0	2	MASCOT	T	PLEX8	
1.68E-01	0|0	Cs2g09720.1/Cs2g097	4.37	0	0	2	MASCOT	T		
2.25E-02	0|0	Cs2g12460.1	4.09	0	0	2	MASCOT	T	PLEX8	
1.32E-02	0|0	Cs2g12460.1	4.37	0	0	2	MASCOT	T		
2.08E-01	0|0	Cs2g12460.1	4.37	0	0	2	MASCOT	T	PLEX8	
3.49E-01	0|0	Cs2g12590.1	5.99	0	0	2	MASCOT	T	PLEX8	
3.71E-03	0|0	Cs2g12590.1	4.08	0	0	2	MASCOT	T	PLEX8	
1.76E-01	0|0	Cs2g12590.1	5.32	0	0	2	MASCOT	T	PLEX8	
8.59E-03	0|0	Cs2g14110.1	3.91	0	0	2	MASCOT	T	PLEX8	
2.36E-02	0|0	Cs2g14110.1	3.98	0	0	2	MASCOT	T	PLEX8	
2.41E-03	0|0	Cs2g14110.1	6.74	0	0	2	MASCOT	T	PLEX8	
1.52E-02	0|0	Cs2g16160.1/Cs7g177	4.53	0	0	2	MASCOT	T	PLEX8	
1.71E-01	0|0	Cs2g16160.1	8.72	0	0	2	MASCOT	T	PLEX8	
1.59E-01	0|0	Cs2g16160.1	6.85	0	0	2	MASCOT	T	PLEX8	

1.50E-02	0|0	Cs2g26660.1/Cs2g266	6.74	0	0	2	MASCOT	T	PLEX8	
2.44E-01	0|0	Cs2g26660.1/Cs2g266	5.82	0	15.9	0	2	MASCOT	T	PLEX8
1.17E-01	0|0	Cs2g26660.1/Cs2g266	4.21	0	0	2	MASCOT	T	PLEX8	
2.17E-04	0|0	Cs2g27630.1/Cs2g276	5.83	0	0	2	MASCOT	T	PLEX8	
6.74E-04	0|0	Cs2g27630.1	5.21	0	0	2	MASCOT	T	PLEX8	
1.11E-01	0|0	Cs2g27630.1/Cs2g276	4.75	0	0	2	MASCOT	T	PLEX8	
5.38E-01	0|0	Cs3g03100.1	6.85	0	0	2	MASCOT	T	PLEX8	
9.69E-03	0|0	Cs3g03100.1	6.14	1	0	2	MASCOT	T	PLEX8	
7.58E-03	0|0	Cs3g03100.1	5.32	0	0	2	MASCOT	T	PLEX8	
6.47E-03	0|0	Cs3g03730.1/Cs3g037	5.88	0	0	2	MASCOT	T	PLEX8	
4.94E-04	0|0	Cs3g03730.1/Cs3g037	5.21	0	0	2	MASCOT	T	PLEX8	
1.98E-02	0|0	Cs3g03730.1/Cs3g037	5.97	0	0	2	MASCOT	T		
4.03E-03	0|0	Cs3g08940.1/Cs3g089	4.37	0	0	2	MASCOT	T	PLEX8	
1.75E-03	0|0	Cs3g08940.1/Cs3g089	5.84	0	0	2	MASCOT	T		
7.23E-02	0|0	Cs3g08940.1/Cs3g089	4.37	0	0	2	MASCOT	T	PLEX8	
3.73E-01	0|0	Cs3g09190.1/Cs3g091	4.65	0	15.9	0	2	MASCOT	T	PLEX8
6.21E-02	0|0	Cs3g09190.1/Cs3g091	8.49	0	0	2	MASCOT	T	PLEX8	
2.77E-02	0|0	Cs3g09190.2/Cs3g091	4.37	0	0	2	MASCOT	T		
1.03E-01	0|0	Cs3g10590.1/Cs3g106	8.75	0	0	2	MASCOT	T	PLEX8	
1.97E-01	0|0	Cs3g10580.1/Cs3g105	8.76	0	0	2	MASCOT	T		
4.98E-02	0|0	Cs3g10600.1/Cs3g106	4.41	0	0	2	MASCOT	T	PLEX8	
2.85E-05	0|0	Cs3g13010.1/Cs3g130	4.54	0	0	2	MASCOT	T	PLEX8	
5.62E-02	0|0	Cs3g13010.1/Cs3g130	4.53	0	0	2	MASCOT	T	PLEX8	
9.81E-02	0|0	Cs3g13010.1/Cs3g130	4.53	0	0	2	MASCOT	T	PLEX8	
6.45E-03	0|0	Cs3g16730.1/Cs3g167	5.37	0	0	2	MASCOT	T	PLEX8	
1.82E-02	0|0	Cs3g16730.1/Cs3g167	6.5	0	0	2	MASCOT	T		
4.38E-04	0|0	Cs3g16730.1/Cs3g167	4.37	0	0	2	MASCOT	T		
3.55E-02	0|0	Cs3g19090.1	8.26	0	0	2	MASCOT	T	PLEX8	
1.45E-01	0|0	Cs3g19090.1/Cs3g190	5.84	0	0	2	MASCOT	T	PLEX8	
2.82E-01	0|0	Cs3g19090.1/Cs3g190	5.97	0	0	2	MASCOT	T	PLEX8	
1.03E-01	0|0	Cs1g08480.1/Cs1g084	8.75	0	0	2	MASCOT	T	PLEX8	
4.60E-03	0|0	Cs3g19820.1/Cs3g198	9.76	0	0	2	MASCOT	T	PLEX8	
1.68E-01	0|0	Cs3g19820.1/Cs3g198	4.14	0	0	2	MASCOT	T		
2.70E-01	0|0	Cs3g23550.1/Cs3g235	8.59	0	0	2	MASCOT	T	PLEX8	
6.16E-02	0|0	Cs3g23550.1/Cs3g235	6.74	0	0	2	MASCOT	T		
1.04E-03	0|0	Cs3g23550.1/Cs3g235	4.37	0	0	2	MASCOT	T	PLEX8	
9.38E-02	0|0	Cs3g26890.1/Cs3g268	4.14	0	0	2	MASCOT	T	PLEX8	
3.22E-02	0|0	Cs3g26890.1/Cs3g268	8.26	0	0	2	MASCOT	T	PLEX8	
1.57E-02	0|0	Cs3g26890.1/Cs3g268	4	0	0	2	MASCOT	T	PLEX8	
1.32E-01	0|0	Cs4g03340.1	5.21	0	0	2	MASCOT	T	PLEX8	
1.14E-02	0|0	Cs4g03340.1/Cs4g033	4.37	0	0	2	MASCOT	T	PLEX8	
6.05E-02	0|0	Cs4g03340.1	5.81	0	0	2	MASCOT	T	PLEX8	
1.60E-01	0|0	Cs4g06560.1	4.31	0	0	2	MASCOT	T	PLEX8	
5.51E-02	0|0	Cs4g06560.1	4.75	0	0	2	MASCOT	T	PLEX8	
9.37E-02	0|0	Cs4g06560.1	6.05	0	0	2	MASCOT	T	PLEX8	
2.11E-02	0|0	Cs2g25070.1/Cs2g250	5.21	0	0	2	MASCOT	T		
1.04E-01	0|0	Cs4g08160.1/Cs4g081	5.18	0	0	2	MASCOT	T	PLEX8	
3.70E-02	0|0	Cs2g25070.1/Cs2g250	6	0	0	2	MASCOT	T	PLEX8	
5.22E-02	0|0	Cs4g10860.1	4.14	0	0	2	MASCOT	T		
3.24E-01	0|0	Cs4g10860.1/Cs4g109	8.75	0	0	2	MASCOT	T	PLEX8	
6.12E-04	0|0	Cs4g10860.1	4.53	0	0	2	MASCOT	T	PLEX8	

7.34E-03	0|0	Cs4g17410.1/Cs4g174	4.21	0	0	2	MASCOT	T	PLEX8
1.86E-02	0|0	Cs4g17410.1/Cs4g174	5.55	0	0	2	MASCOT	T	PLEX8
1.97E-02	0|0	Cs4g17410.1/Cs4g174	8.27	0	0	2	MASCOT	T	PLEX8
4.33E-02	0|0	Cs4g19400.1/Cs4g194	4	0	0	2	MASCOT	T	PLEX8
1.95E-01	0|0	Cs4g19400.1/Cs4g194	4.21	0	0	2	MASCOT	T	PLEX8
2.03E-03	0|0	Cs4g19400.1/Cs4g194	5.4	0	0	2	MASCOT	T	PLEX8
2.82E-04	0|0	Cs5g01610.1	4.72	0	0	2	MASCOT	T	
9.81E-02	0|0	Cs5g01610.1	4.48	0	0	2	MASCOT	T	PLEX8
2.27E-02	0|0	Cs5g01610.1	8.59	0	0	2	MASCOT	T	PLEX8
1.31E-01	0|0	Cs5g02180.1	5.84	0	0	2	MASCOT	T	PLEX8
1.11E-02	0|0	Cs5g02180.1/Cs5g021	6	0	0	2	MASCOT	T	
1.76E-02	0|0	Cs5g02180.1/Cs5g021	8.41	0	0	2	MASCOT	T	PLEX8
1.20E-01	0|0	Cs5g07070.1/Cs5g070	5.5	0	0	2	MASCOT	T	
2.12E-01	0|0	Cs5g07070.1/Cs5g070	4.37	0	0	2	MASCOT	T	PLEX8
7.54E-02	0|0	Cs5g07070.2	8.75	0	0	2	MASCOT	T	PLEX8
1.50E-02	0|0	Cs5g09890.1/Cs5g098	5.97	0	0	2	MASCOT	T	
3.30E-01	0|0	Cs5g09890.1/Cs5g098	5.99	0	0	2	MASCOT	T	PLEX8
5.65E-02	0|0	Cs5g09890.1/Cs5g098	5.32	0	0	2	MASCOT	T	PLEX8
2.49E-01	0|0	Cs5g10110.1 ! Cs5g13	4.53	0	0	2	MASCOT	T	PLEX8
8.80E-03	0|0	Cs5g10110.1	4.53	0	0	2	MASCOT	T	PLEX8
1.66E-01	0|0	Cs5g10110.1/Cs7g169	4.37	0	0	2	MASCOT	T	PLEX8
3.27E-02	0|0	Cs5g24860.1/Cs5g248	6.75	0	0	2	MASCOT	T	PLEX8
1.86E-04	0|0	Cs5g24860.1/Cs5g248	4.48	0	0	2	MASCOT	T	PLEX8
6.19E-01	0|0	Cs5g24860.1/Cs5g248	5.84	0	0	2	MASCOT	T	PLEX8
2.41E-02	0|0	Cs5g29840.1	9.75	0	0	2	MASCOT	T	PLEX8
3.19E-01	0|0	Cs5g29840.1	9.8	0	0	2	MASCOT	T	PLEX8
3.63E-01	0|0	Cs5g29840.1	5.5	0	0	2	MASCOT	T	PLEX8
1.30E-02	0|0	Cs5g30370.1	4.03	0	0	2	MASCOT	T	PLEX8
6.94E-04	0|0	Cs5g30370.1	8.76	0	0	2	MASCOT	T	PLEX8
1.10E-04	0|0	Cs5g30370.1	8.75	0	0	2	MASCOT	T	PLEX8
1.31E-02	0|0	Cs6g02460.1/Cs6g024	9.76	0	0	2	MASCOT	T	PLEX8
4.78E-04	0|0	Cs6g02460.1/Cs6g024	6.75	0	0	2	MASCOT	T	PLEX8
1.73E-02	0|0	Cs6g02460.1/Cs6g024	6	0	0	2	MASCOT	T	PLEX8
1.76E-01	0|0	Cs6g06690.1/Cs6g066	6.14	0	0	2	MASCOT	T	
4.29E-04	0|0	Cs6g06690.1/Cs6g066	4.25	0	0	2	MASCOT	T	PLEX8
2.83E-02	0|0	Cs6g06690.1/Cs6g066	8.26	0	0	2	MASCOT	T	PLEX8
9.02E-03	0|0	Cs6g10350.1	8.75	0	0	2	MASCOT	T	PLEX8
6.15E-03	0|0	Cs6g10350.1	4.53	0	0	2	MASCOT	T	PLEX8
1.00E-03	0|0	Cs6g10350.1	4.14	0	0	2	MASCOT	T	PLEX8
4.53E-03	0|0	Cs6g15570.1	4.14	0	0	2	MASCOT	T	
1.74E-01	0|0	Cs6g15570.1	4.54	0	0	2	MASCOT	T	PLEX8
2.04E-02	0|0	Cs6g15570.1	5.32	0	0	2	MASCOT	T	PLEX8
3.59E-02	0|0	Cs7g11440.1/Cs7g114	4.53	0	0	2	MASCOT	T	PLEX8
3.40E-01	0|0	Cs7g11440.1/Cs7g114	6.92	0	0	2	MASCOT	T	PLEX8
5.98E-04	0|0	Cs7g11440.1/Cs7g114	4.09	0	0	2	MASCOT	T	PLEX8
1.30E-03	0|0	Cs7g12740.1	8.25	0	0	2	MASCOT	T	
3.60E-04	0|0	Cs7g12740.1	4.14	0	0	2	MASCOT	T	
2.28E-01	0|0	Cs7g12740.1	8.73	0	0	2	MASCOT	T	PLEX8
1.17E-02	0|0	Cs7g18370.1/Cs7g183	4	0	0	2	MASCOT	T	
2.57E-01	0|0	Cs7g18370.2 ! Cs7g18	8.5	0	0	2	MASCOT	T	PLEX8
3.33E-01	0|0	Cs6g07040.1/Cs6g070	5.59	0 15.9	0	2	MASCOT	T	PLEX8

2.38E-01	0|0	Cs7g27600.1	5.72	0	0	2	MASCOT	T	PLEX8
1.29E-02	0|0	Cs7g27600.1	4.53	0	0	2	MASCOT	T	PLEX8
9.45E-04	0|0	Cs7g27600.1	5.97	0	0	2	MASCOT	T	PLEX8
5.53E-03	0|0	Cs8g01250.1/Cs8g012	5.79	1	0	2	MASCOT	T	PLEX8
2.83E-01	0|0	Cs8g01250.1/Cs8g012	4.37	0	0	2	MASCOT	T	
6.90E-02	0|0	Cs8g01250.1/Cs8g012	5.97	0	0	2	MASCOT	T	PLEX8
2.84E-03	0|0	Cs8g01280.1/Cs8g012	5.88	0	0	2	MASCOT	T	
1.18E-02	0|0	Cs8g01280.2/Cs8g012	6.75	0	0	2	MASCOT	T	PLEX8
1.38E-03	0|0	Cs8g01280.1/Cs8g012	6	0	0	2	MASCOT	T	PLEX8
2.01E-01	0|0	Cs8g06490.1/Cs8g064	6	0	0	2	MASCOT	T	PLEX8
9.39E-03	0|0	Cs8g06490.1/Cs8g064	4.53	0	0	2	MASCOT	T	PLEX8
3.22E-03	0|0	Cs8g06490.1/Cs8g064	8.47	0	0	2	MASCOT	T	
2.58E-01	0|0	Cs8g06920.1/Cs8g069	4.21	0	0	2	MASCOT	T	
4.45E-04	0|0	Cs8g06920.1/Cs8g069	4.53	0	0	2	MASCOT	T	PLEX8
1.92E-03	0|0	Cs8g06920.1/Cs8g069	4.14	0	0	2	MASCOT	T	
7.99E-02	0|0	Cs8g12790.1	3.84	0	0	2	MASCOT	T	
6.02E-03	0|0	Cs8g12790.1	5.84	0	0	2	MASCOT	T	
1.68E-01	0|0	Cs8g12790.1	5.84	0	0	2	MASCOT	T	PLEX8
2.95E-01	0|0	Cs8g19900.1/Cs8g199	5.32	0	0	2	MASCOT	T	PLEX8
6.72E-02	0|0	Cs8g19900.1/Cs8g199	4.21	0	0	2	MASCOT	T	
3.56E-02	0|0	Cs8g19900.1/Cs8g199	4.21	0	0	2	MASCOT	T	
1.70E-03	0|0	Cs9g01210.1	9.8	0	0	2	MASCOT	T	
4.16E-03	0|0	Cs9g01210.1	4.21	0	0	2	MASCOT	T	PLEX8
3.05E-02	0|0	Cs9g01210.1	4	0	0	2	MASCOT	T	PLEX8
2.55E-02	0|0	Cs9g01330.1/Cs9g013	8.76	0	0	2	MASCOT	T	PLEX8
9.17E-02	0|0	Cs9g01330.1/Cs9g013	4.37	0	0	2	MASCOT	T	PLEX8
1.94E-01	0|0	Cs9g01330.1/Cs9g013	5.84	0	0	2	MASCOT	T	PLEX8
1.45E-01	0|0	Cs9g15930.1	6.92	0	0	2	MASCOT	T	PLEX8
5.18E-02	0|0	Cs9g15930.1	4.03	0	0	2	MASCOT	T	PLEX8
1.13E-01	0|0	Cs9g15930.1	4.14	0	0	2	MASCOT	T	PLEX8
7.88E-05	0|0	orange1.1t00043.1	4	0	0	2	MASCOT	T	PLEX8
1.65E-01	0|0	orange1.1t00043.1	5.84	0	0	2	MASCOT	T	PLEX8
1.37E-01	0|0	orange1.1t00043.1	5.84	0	0	2	MASCOT	T	PLEX8
2.63E-01	0|0	orange1.1t00383.1/ora	4.21	0	0	2	MASCOT	T	PLEX8
4.09E-01	0|0	orange1.1t00383.1/ora	5.84	0	0	2	MASCOT	T	PLEX8
9.80E-03	0|0	orange1.1t00383.1/ora	5.84	0	0	2	MASCOT	T	
7.19E-02	0|0	orange1.1t00409.1	4.53	0	0	2	MASCOT	T	PLEX8
9.68E-07	0|0	orange1.1t00409.1	5.83	0	0	2	MASCOT	T	PLEX8
8.51E-02	0|0	orange1.1t00409.1	5.4	0	0	2	MASCOT	T	PLEX8
1.68E-01	0|0	orange1.1t01058.1/ora	4.53	0	0	2	MASCOT	T	PLEX8
1.23E-01	0|0	orange1.1t01058.1/ora	8.8	0	0	2	MASCOT	T	PLEX8
5.89E-03	0|0	orange1.1t01058.1/ora	5.84	0	0	2	MASCOT	T	PLEX8
1.35E-02	0|0	orange1.1t01617.1	4.25	0	0	2	MASCOT	T	PLEX8
1.23E-03	0|0	orange1.1t01617.1	8.75	0	0	2	MASCOT	T	PLEX8
1.38E-03	0|0	orange1.1t01617.1	6.73	0	0	2	MASCOT	T	PLEX8
1.24E-03	0|0	orange1.1t01676.1	4.4	0	0	2	MASCOT	T	PLEX8
5.47E-04	0|0	orange1.1t01676.1	4.03	0	0	2	MASCOT	T	PLEX8
9.28E-02	0|0	orange1.1t01676.1	4.21	0	0	2	MASCOT	T	PLEX8
3.64E-03	0|0	orange1.1t02094.1 ! or	4.54	0	0	2	MASCOT	T	
8.48E-04	0|0	orange1.1t02094.1	5.4	0	0	2	MASCOT	T	PLEX8
3.54E-03	0|0	orange1.1t02094.1/ora	8.18	0	0	2	MASCOT	T	PLEX8

1.76E-01	0|0	orange1.1t02373.1/ora	5.99	0	0	2	MASCOT	T	PLEX8
6.91E-03	0|0	orange1.1t02373.1/ora	4.54	0	0	2	MASCOT	T	PLEX8
5.77E-04	0|0	orange1.1t02373.1/ora	6.46	0	0	2	MASCOT	T	
2.90E-01	0|0	orange1.1t04550.1	4.37	0	0	2	MASCOT	T	PLEX8
4.45E-03	0|0	orange1.1t04550.1	5.84	0	0	2	MASCOT	T	
7.40E-02	0|0	orange1.1t04550.1	8.73	0	0	2	MASCOT	T	PLEX8
1.57E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
8.03E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
8.10E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
1.68E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
3.60E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
1.93E-01	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
2.43E-01	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
4.38E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
1.87E-01	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
2.71E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
3.11E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
1.40E-01	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
2.99E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
1.17E-01	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
2.15E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
1.17E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
3.31E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
1.39E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
4.93E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
8.03E-03	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
8.57E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
2.69E-01	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
7.93E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
1.09E-01	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
8.37E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
4.27E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
1.12E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
2.33E-01	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
2.44E-01	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
2.80E-01	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
3.91E-01	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
1.33E-01	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	
1.01E-01	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
2.66E-02	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
1.68E-01	0|0	Cs2g11170.1/Cs2g111	8.75	0	0	2	MASCOT	T	PLEX8
8.85E-04	0|0	Cs7g20350.1	8.18	0	0	2	MASCOT	T	PLEX8
1.01E-02	0|0	Cs7g20350.1	8.18	0	0	2	MASCOT	T	PLEX8
3.50E-02	0|0	Cs7g20350.1	8.18	0	0	2	MASCOT	T	PLEX8
2.47E-01	0|0	Cs7g20350.1	8.18	0	0	2	MASCOT	T	PLEX8
2.39E-01	0|0	Cs7g20350.1	8.18	0	0	2	MASCOT	T	PLEX8
2.97E-04	0|0	Cs7g20350.1	8.18	0	0	2	MASCOT	T	PLEX8
1.63E-04	0|0	Cs7g20350.1	8.18	0	0	2	MASCOT	T	PLEX8
2.25E-01	0|0	Cs7g20350.1	8.18	0	0	2	MASCOT	T	PLEX8
2.84E-01	0|0	Cs7g20350.1	8.18	0	0	2	MASCOT	T	PLEX8
9.60E-05	0|0	Cs7g20350.1	8.18	0	0	2	MASCOT	T	PLEX8

1.29E-02 0|0	Cs7g20350.1	8.18	0	0	2 MASCOT	T	PLEX8	
3.14E-02 0|0	Cs7g20350.1	8.18	0	0	2 MASCOT	T	PLEX8	
9.43E-03 0|0	Cs7g20350.1	8.18	0	0	2 MASCOT	T	PLEX8	
1.04E-01 0|0	Cs7g20350.1	6.46	0	0	2 MASCOT	T	PLEX8	
1.26E-01 0|0	Cs7g20350.1	6.46	0	0	2 MASCOT	T	PLEX8	
2.02E-01 0|0	Cs7g20350.1	6.46	0	0	2 MASCOT	T	PLEX8	
7.54E-03 0|0	Cs7g20350.1	6.46	0	0	2 MASCOT	T	PLEX8	
1.19E-01 0|0	Cs7g20350.1	6.46	0	0	2 MASCOT	T	PLEX8	
2.63E-02 0|0	Cs7g20350.1	6.46	0	0	2 MASCOT	T	PLEX8	
3.83E-01 0|0	Cs7g20350.1	6.46	0	0	2 MASCOT	T	PLEX8	
1.19E-02 0|0	Cs7g20350.1	6.46	0	0	2 MASCOT	T	PLEX8	
2.64E-01 0|0	Cs7g20350.1	6.46	0	0	2 MASCOT	T	PLEX8	
2.44E-02 0|0	Cs7g20350.1	6.46	0	0	2 MASCOT	T	PLEX8	
3.52E-04 0|0	Cs7g20350.1	6.46	0	0	2 MASCOT	T	PLEX8	
4.40E-02 0|0	Cs7g20350.1	6.46	0	0	2 MASCOT	T	PLEX8	
2.36E-03 0|0	Cs7g20350.1	6.46	0	0	2 MASCOT	T	PLEX8	
1.14E-03 0|0	Cs7g20350.1	6.46	0	0	2 MASCOT	T	PLEX8	
3.03E-02 0|0	Cs7g20350.1	6.46	0	0	2 MASCOT	T		
3.85E-04 0|0	orange1.1t03005.1	5.32	0	0	2 MASCOT	T	PLEX8	
3.01E-01 0|0	orange1.1t03005.1	5.32	0	0	2 MASCOT	T	PLEX8	
8.78E-02 0|0	orange1.1t03005.1	5.32	0	0	2 MASCOT	T	PLEX8	
6.86E-03 0|0	orange1.1t03005.1	9.76	0	0	2 MASCOT	T	PLEX8	
8.09E-02 0|0	orange1.1t03005.1	9.76	0	0	2 MASCOT	T	PLEX8	
1.86E-01 0|0	orange1.1t03005.1	9.76	0	0	2 MASCOT	T	PLEX8	
2.68E-02 0|0	orange1.1t03005.1	9.76	0	0	2 MASCOT	T	PLEX8	
7.15E-03 0|0	orange1.1t03005.1	9.76	0	0	2 MASCOT	T	PLEX8	
5.67E-03 0|0	orange1.1t03005.1	9.76	0	0	2 MASCOT	T	PLEX8	
5.64E-03 0|0	orange1.1t03005.1	9.76	0	0	2 MASCOT	T	PLEX8	
6.41E-03 0|0	orange1.1t03005.1	9.76	0	0	2 MASCOT	T	PLEX8	
8.42E-03 0|0	orange1.1t03005.1	9.76	0	0	2 MASCOT	T	PLEX8	
5.55E-03 0|0	orange1.1t03005.1	9.76	0	0	2 MASCOT	T	PLEX8	
2.46E-02 0|0	orange1.1t03005.1	9.76	0	0	2 MASCOT	T	PLEX8	
3.27E-02 0|0	orange1.1t03005.1	9.76	0	0	2 MASCOT	T		
4.30E-02 0|0	orange1.1t03005.1	9.76	0	0	2 MASCOT	T	PLEX8	
1.72E-02 0|0	orange1.1t03005.1	9.76	0	0	2 MASCOT	T	PLEX8	
5.28E-02 0|0	Cs8g07730.1	5.21	0	15.9	0	2 MASCOT	T	PLEX8
1.96E-02 0|0	Cs8g07730.1	5.21	0	15.9	0	2 MASCOT	T	PLEX8
2.26E-01 0|0	Cs8g07730.1	5.21	0	15.9	0	2 MASCOT	T	PLEX8
9.31E-03 0|0	Cs8g07730.1	5.21	0	15.9	0	2 MASCOT	T	PLEX8
2.03E-03 0|0	Cs8g07730.1	5.21	0	15.9	0	2 MASCOT	T	
5.32E-04 0|0	Cs8g07730.1	5.21	0	0	2 MASCOT	T	PLEX8	
1.02E-02 0|0	Cs8g07730.1	5.21	0	0	2 MASCOT	T	PLEX8	
7.66E-04 0|0	Cs8g07730.1	5.21	0	0	2 MASCOT	T		
8.18E-02 0|0	Cs8g07730.1	8.59	0	0	2 MASCOT	T	PLEX8	
1.05E-03 0|0	Cs8g07730.1	8.59	0	0	2 MASCOT	T	PLEX8	
1.94E-01 0|0	Cs8g07730.1	8.59	0	0	2 MASCOT	T	PLEX8	
1.63E-02 0|0	Cs8g07730.1	8.59	0	0	2 MASCOT	T	PLEX8	
3.29E-02 0|0	Cs8g07730.1	8.59	0	0	2 MASCOT	T		
2.58E-03 0|0	Cs1g15890.1/Cs1g158	4.65	0	0	2 MASCOT	T	PLEX8	
8.97E-03 0|0	Cs1g15890.1/Cs1g158	4.65	0	0	2 MASCOT	T		
5.61E-03 0|0	Cs1g15890.1/Cs1g158	4.65	0	0	2 MASCOT	T		

1.32E-04	0|0	Cs1g15890.1/Cs1g158	4.65	0	0	2	MASCOT	T	
2.04E-01	0|0	Cs1g15890.1/Cs1g158	6	0	15.9	0	2	MASCOT	T
1.53E-02	0|0	Cs1g15890.1/Cs1g158	6	0	15.9	0	2	MASCOT	T PLEX8
6.50E-03	0|0	Cs1g15890.1/Cs1g158	6	0	0	2	MASCOT	T	PLEX8
2.13E-02	0|0	Cs1g15890.1/Cs1g158	6	0	0	2	MASCOT	T	
2.22E-02	0|0	Cs1g15890.1/Cs1g158	6	0	0	2	MASCOT	T	
1.83E-02	0|0	Cs1g15890.1/Cs1g158	6	0	0	2	MASCOT	T	
1.76E-01	0|0	Cs1g15890.1/Cs1g158	6	0	0	2	MASCOT	T	
1.15E-02	0|0	Cs1g15890.1/Cs1g158	6	0	0	2	MASCOT	T	PLEX8
1.69E-03	0|0	Cs7g20280.1	6.05	0	0	2	MASCOT	T	PLEX8
2.64E-02	0|0	Cs7g20280.1	6.05	0	0	2	MASCOT	T	PLEX8
1.77E-03	0|0	Cs7g20280.1	6.05	0	0	2	MASCOT	T	PLEX8
1.04E-01	0|0	Cs7g20280.1	6.05	0	0	2	MASCOT	T	PLEX8
6.54E-04	0|0	Cs7g20280.1	6.05	0	0	2	MASCOT	T	PLEX8
1.52E-03	0|0	Cs7g20280.1	6.05	0	0	2	MASCOT	T	PLEX8
4.71E-02	0|0	Cs7g20280.1	6.05	0	0	2	MASCOT	T	PLEX8
1.60E-03	0|0	Cs7g20280.1	6.05	0	0	2	MASCOT	T	
1.51E-02	0|0	Cs7g20280.1	6.05	0	0	2	MASCOT	T	PLEX8
2.12E-01	0|0	Cs7g20280.1	4.25	0	0	2	MASCOT	T	PLEX8
3.50E-02	0|0	Cs7g20280.1	4.25	0	0	2	MASCOT	T	PLEX8
1.87E-01	0|0	Cs7g20280.1	4.25	0	0	2	MASCOT	T	PLEX8
3.23E-02	0|0	Cs5g06580.1 ! Cs9g13	6	0	0	2	MASCOT	T	PLEX8
6.60E-03	0|0	Cs5g06580.1 ! Cs9g13	6	0	0	2	MASCOT	T	PLEX8
7.81E-03	0|0	Cs5g06580.1 ! Cs9g13	6	0	0	2	MASCOT	T	PLEX8
6.51E-03	0|0	Cs5g06580.1 ! Cs9g13	6	0	0	2	MASCOT	T	PLEX8
1.31E-01	0|0	Cs5g06580.1 ! Cs9g13	6	0	0	2	MASCOT	T	PLEX8
1.52E-01	0|0	Cs5g06580.1 ! Cs9g13	6	0	0	2	MASCOT	T	PLEX8
2.80E-02	0|0	Cs5g06580.1 ! Cs9g13	6	0	0	2	MASCOT	T	PLEX8
4.13E-02	0|0	Cs5g06580.1 ! Cs9g13	6	0	0	2	MASCOT	T	PLEX8
6.10E-02	0|0	Cs5g06580.1 ! Cs9g13	6	0	0	2	MASCOT	T	PLEX8
3.49E-02	0|0	Cs5g06580.1	6.74	0	0	2	MASCOT	T	PLEX8
8.05E-02	0|0	Cs3g07660.1 ! Cs6g07	5.4	0	0	2	MASCOT	T	PLEX8
4.85E-02	0|0	Cs3g07660.1 ! Cs6g07	5.4	0	0	2	MASCOT	T	PLEX8
3.50E-02	0|0	Cs3g07660.1 ! Cs6g07	5.4	0	0	2	MASCOT	T	PLEX8
3.40E-02	0|0	Cs3g07660.1 ! Cs6g07	5.4	0	0	2	MASCOT	T	PLEX8
9.44E-02	0|0	Cs3g07660.1 ! Cs6g07	5.4	0	0	2	MASCOT	T	PLEX8
5.37E-02	0|0	Cs3g07660.1 ! Cs6g07	5.4	0	0	2	MASCOT	T	
2.63E-01	0|0	Cs3g07660.1 ! Cs6g07	5.4	0	0	2	MASCOT	T	PLEX8
5.27E-02	0|0	Cs3g07660.1	4.37	0	0	2	MASCOT	T	
3.02E-01	0|0	Cs3g07660.1	4.37	0	0	2	MASCOT	T	PLEX8
1.59E-01	0|0	Cs1g18870.1/Cs1g188	4.53	0	0	2	MASCOT	T	PLEX8
2.09E-01	0|0	Cs1g18870.1/Cs1g188	4.53	0	0	2	MASCOT	T	PLEX8
7.30E-02	0|0	Cs1g18870.1/Cs1g188	4.53	0	0	2	MASCOT	T	PLEX8
3.26E-04	0|0	Cs1g18870.1/Cs1g188	5.84	0	0	2	MASCOT	T	PLEX8
8.58E-04	0|0	Cs1g18870.1/Cs1g188	5.84	0	0	2	MASCOT	T	
5.63E-04	0|0	Cs1g18870.1/Cs1g188	5.84	0	0	2	MASCOT	T	
3.80E-02	0|0	Cs1g18870.1/Cs1g188	5.84	0	0	2	MASCOT	T	
4.89E-05	0|0	Cs1g18870.1/Cs1g188	5.84	0	0	2	MASCOT	T	PLEX8
1.72E-01	0|0	Cs8g19800.1	6.74	0	0	2	MASCOT	T	
8.61E-04	0|0	Cs8g19800.1	6.74	0	0	2	MASCOT	T	PLEX8
1.55E-03	0|0	Cs6g22020.1/Cs6g220	5.37	0	0	2	MASCOT	T	PLEX8

1.58E-01	0|0	Cs6g22020.1/Cs6g220	5.37	0	0	2	MASCOT	T	PLEX8
1.42E-01	0|0	Cs6g22020.1/Cs6g220	5.37	0	0	2	MASCOT	T	PLEX8
4.31E-02	0|0	Cs6g22020.1/Cs6g220	5.37	0	0	2	MASCOT	T	PLEX8
1.79E-01	0|0	Cs6g22020.1/Cs6g220	5.37	0	0	2	MASCOT	T	
4.45E-02	0|0	Cs6g22020.1/Cs6g220	5.37	0	0	2	MASCOT	T	
7.23E-02	0|0	Cs9g05920.1/Cs9g059	8.47	0	0	2	MASCOT	T	PLEX8
2.99E-01	0|0	Cs9g05920.1/Cs9g059	8.47	0	0	2	MASCOT	T	PLEX8
1.03E-01	0|0	Cs9g05920.1/Cs9g059	8.47	0	0	2	MASCOT	T	PLEX8
2.76E-02	0|0	Cs9g05920.1/Cs9g059	8.47	0	0	2	MASCOT	T	PLEX8
1.35E-04	0|0	Cs9g05920.1/Cs9g059	4.14	0	0	2	MASCOT	T	PLEX8
1.68E-03	0|0	Cs9g05920.1/Cs9g059	4.14	0	0	2	MASCOT	T	PLEX8
4.67E-04	0|0	Cs9g05920.1/Cs9g059	4.14	0	0	2	MASCOT	T	PLEX8
2.02E-01	0|0	Cs9g05920.1/Cs9g059	4.14	0	0	2	MASCOT	T	PLEX8
2.63E-01	0|0	Cs1g26180.1	8.76	0	0	2	MASCOT	T	PLEX8
3.10E-01	0|0	Cs1g26180.1	8.76	0	0	2	MASCOT	T	
2.01E-01	0|0	Cs1g26180.1	8.76	0	0	2	MASCOT	T	
3.79E-03	0|0	Cs1g26180.1	4.37	0	0	2	MASCOT	T	
1.91E-03	0|0	Cs1g26180.1	4.37	0	0	2	MASCOT	T	
2.62E-03	0|0	Cs1g26180.1	4.37	0	0	2	MASCOT	T	PLEX8
3.38E-03	0|0	Cs1g26180.1	4.37	0	0	2	MASCOT	T	PLEX8
8.58E-03	0|0	Cs2g16760.1/Cs2g167	4.54	0	0	2	MASCOT	T	PLEX8
3.19E-02	0|0	Cs2g16760.1/Cs2g167	4.54	0	0	2	MASCOT	T	PLEX8
5.99E-04	0|0	Cs2g16760.1/Cs2g167	4.54	0	0	2	MASCOT	T	PLEX8
2.74E-02	0|0	Cs2g16760.1/Cs2g167	4.54	0	0	2	MASCOT	T	PLEX8
8.12E-03	0|0	Cs2g16760.1/Cs2g167	4.54	0	0	2	MASCOT	T	
1.39E-01	0|0	Cs2g16760.1/Cs2g167	5.66	0	0	2	MASCOT	T	PLEX8
4.67E-04	0|0	Cs2g16760.1/Cs2g167	5.66	0	0	2	MASCOT	T	PLEX8
8.91E-03	0|0	Cs5g27470.1	8.75	0	0	2	MASCOT	T	PLEX8
3.13E-03	0|0	Cs5g27470.1	8.75	0	0	2	MASCOT	T	PLEX8
2.40E-03	0|0	Cs5g27470.1	8.75	0	0	2	MASCOT	T	PLEX8
1.22E-01	0|0	Cs5g27470.1	8.75	0	0	2	MASCOT	T	
1.76E-01	0|0	Cs5g27450.1/Cs5g274	4.03	0	0	2	MASCOT	T	PLEX8
4.71E-06	0|0	Cs5g27450.1/Cs5g274	4.03	0	0	2	MASCOT	T	PLEX8
1.79E-03	0|0	Cs5g27450.1/Cs5g274	4.03	0	0	2	MASCOT	T	PLEX8
6.92E-02	0|0	Cs7g13380.1	5.32	0	0	2	MASCOT	T	PLEX8
2.80E-01	0|0	Cs7g13380.1	5.32	0	0	2	MASCOT	T	PLEX8
3.57E-02	0|0	Cs7g13380.1	5.32	0	0	2	MASCOT	T	PLEX8
1.36E-03	0|0	Cs7g13380.1	4.65	0 15.9	0	2	MASCOT	T	PLEX8
7.78E-04	0|0	Cs7g13380.1	4.65	0 15.9	0	2	MASCOT	T	
4.55E-03	0|0	Cs7g13380.1	4.65	0 15.9	0	2	MASCOT	T	PLEX8
5.11E-02	0|0	Cs7g13380.1	4.65	0	0	2	MASCOT	T	
2.65E-03	0|0	Cs7g31340.1	5.84	0	0	2	MASCOT	T	
7.62E-04	0|0	Cs7g31340.1	5.84	0	0	2	MASCOT	T	
1.88E-01	0|0	Cs7g31340.1/Cs7g313	5.97	0	0	2	MASCOT	T	PLEX8
4.44E-01	0|0	Cs7g31340.1/Cs7g313	5.97	0	0	2	MASCOT	T	PLEX8
3.22E-02	0|0	Cs7g31340.1/Cs7g313	5.97	0	0	2	MASCOT	T	PLEX8
4.21E-02	0|0	Cs7g31340.1/Cs7g313	5.97	0	0	2	MASCOT	T	PLEX8
8.02E-02	0|0	Cs7g31340.1/Cs7g313	5.97	0	0	2	MASCOT	T	PLEX8
6.35E-02	0|0	Cs2g29220.1/Cs2g292	8.59	0	0	2	MASCOT	T	PLEX8
1.09E-01	0|0	Cs2g29220.1/Cs2g292	8.59	0	0	2	MASCOT	T	PLEX8
1.02E-03	0|0	Cs5g07190.1/Cs5g071	8.22	0	0	2	MASCOT	T	PLEX8

6.88E-02 0|0	Cs5g07190.1/Cs5g071	8.22	0	0	2	MASCOT	T	PLEX8
3.76E-02 0|0	Cs5g07190.1/Cs5g071	8.22	0	0	2	MASCOT	T	PLEX8
2.38E-03 0|0	Cs5g07190.1/Cs5g071	8.22	0	0	2	MASCOT	T	PLEX8
3.48E-02 0|0	Cs5g07190.1/Cs5g071	8.22	0	0	2	MASCOT	T	PLEX8
1.39E-03 0|0	Cs1g03110.1/Cs1g031	5.84	0	0	2	MASCOT	T	PLEX8
4.55E-02 0|0	Cs1g03110.1/Cs1g031	5.84	0	0	2	MASCOT	T	PLEX8
6.43E-02 0|0	Cs1g03110.1/Cs1g031	5.84	0	0	2	MASCOT	T	
3.49E-05 0|0	Cs1g03110.1/Cs1g031	5.32	0	0	2	MASCOT	T	PLEX8
5.42E-03 0|0	Cs1g03110.1/Cs1g031	5.32	0	0	2	MASCOT	T	PLEX8
2.14E-03 0|0	Cs1g03110.1/Cs1g031	5.32	0	0	2	MASCOT	T	PLEX8
1.02E-01 0|0	Cs5g17070.1	4.09	0	0	2	MASCOT	T	PLEX8
7.83E-02 0|0	Cs5g17070.1	4.09	0	0	2	MASCOT	T	PLEX8
3.07E-04 0|0	Cs5g17070.1	4.09	0	0	2	MASCOT	T	PLEX8
7.06E-06 0|0	Cs5g17070.1	4.09	0	0	2	MASCOT	T	PLEX8
4.41E-03 0|0	Cs5g17070.1	4.14	1	0	2	MASCOT	T	PLEX8
4.47E-02 0|0	Cs5g17070.1	4.14	1	0	2	MASCOT	T	PLEX8
3.20E-02 0|0	Cs5g19690.1/Cs5g196	6.1	0	0	2	MASCOT	T	PLEX8
2.54E-01 0|0	Cs5g19690.1/Cs5g196	6.1	0	0	2	MASCOT	T	PLEX8
1.04E-01 0|0	Cs5g19690.1/Cs5g196	6.1	0	0	2	MASCOT	T	PLEX8
4.45E-01 0|0	Cs5g19690.1/Cs5g196	4.37	0	0	2	MASCOT	T	PLEX8
1.53E-02 0|0	Cs5g19690.1/Cs5g196	4.37	0	0	2	MASCOT	T	PLEX8
1.23E-01 0|0	Cs5g19690.1/Cs5g196	4.37	0	0	2	MASCOT	T	PLEX8
8.33E-03 0|0	Cs6g03010.1	5.84	0	0	2	MASCOT	T	PLEX8
4.28E-02 0|0	Cs6g03010.1	5.84	0	0	2	MASCOT	T	PLEX8
2.68E-02 0|0	Cs6g03010.1	5.84	0	0	2	MASCOT	T	PLEX8
4.98E-02 0|0	Cs6g03010.1	5.84	0	0	2	MASCOT	T	PLEX8
3.08E-02 0|0	Cs6g03010.1	8.75	0	0	2	MASCOT	T	PLEX8
3.08E-02 0|0	Cs6g03010.1	8.75	0	0	2	MASCOT	T	PLEX8
2.30E-02 0|0	Cs6g12035.1	4.68	1	0	2	MASCOT	T	PLEX8
6.86E-02 0|0	Cs6g12035.1	4.68	1	0	2	MASCOT	T	PLEX8
1.05E-02 0|0	Cs6g12035.1	5.83	0	0	2	MASCOT	T	PLEX8
1.94E-03 0|0	Cs6g12035.1	5.83	0	0	2	MASCOT	T	
3.29E-05 0|0	Cs6g12035.1	5.83	0	0	2	MASCOT	T	
5.47E-03 0|0	Cs6g12035.1	5.83	0	0	2	MASCOT	T	PLEX8
3.57E-03 0|0	Cs6g14660.1	6.07	1	0	2	MASCOT	T	PLEX8
9.08E-03 0|0	Cs6g14660.1/Cs6g146	5.72	0	0	2	MASCOT	T	PLEX8
5.75E-03 0|0	Cs6g14660.1/Cs6g146	5.72	0	0	2	MASCOT	T	PLEX8
1.54E-01 0|0	Cs6g14660.1/Cs6g146	5.72	0	0	2	MASCOT	T	PLEX8
2.55E-02 0|0	Cs6g14660.1/Cs6g146	5.72	0	0	2	MASCOT	T	PLEX8
8.49E-02 0|0	Cs6g14660.1/Cs6g146	5.72	0	0	2	MASCOT	T	PLEX8
2.08E-01 0|0	Cs6g18490.1	8.31	0	0	2	MASCOT	T	PLEX8
1.36E-01 0|0	Cs6g18490.1	8.31	0	0	2	MASCOT	T	PLEX8
7.33E-02 0|0	Cs6g18490.1	8.31	0	0	2	MASCOT	T	PLEX8
6.31E-02 0|0	Cs6g18490.1	8.31	0	0	2	MASCOT	T	PLEX8
3.36E-02 0|0	Cs6g18490.1	8.31	0	0	2	MASCOT	T	PLEX8
1.02E-01 0|0	Cs6g18490.1	4.25	0	0	2	MASCOT	T	PLEX8
3.14E-02 0|0	Cs7g10910.1	5.32	0	0	2	MASCOT	T	PLEX8
6.03E-04 0|0	Cs7g10910.1	5.32	0	0	2	MASCOT	T	PLEX8
1.87E-03 0|0	Cs7g10910.1	5.32	0	0	2	MASCOT	T	PLEX8
2.10E-02 0|0	Cs7g10910.1	5.32	0	0	2	MASCOT	T	PLEX8
3.02E-01 0|0	Cs7g10910.1	8.75	0	0	2	MASCOT	T	PLEX8

1.81E-01	0|0	Cs7g10910.1	8.75	0	0	2	MASCOT	T	PLEX8	
6.89E-02	0|0	Cs8g18490.1	9.47	0	0	2	MASCOT	T	PLEX8	
1.43E-02	0|0	Cs8g18490.1	9.47	0	0	2	MASCOT	T	PLEX8	
2.96E-02	0|0	Cs8g18490.1	9.47	0	0	2	MASCOT	T	PLEX8	
3.07E-03	0|0	Cs8g18490.1	4.37	0	0	2	MASCOT	T	PLEX8	
2.94E-05	0|0	Cs8g18490.1	4.37	0	0	2	MASCOT	T	PLEX8	
2.37E-05	0|0	Cs8g18490.1	4.37	0	0	2	MASCOT	T	PLEX8	
5.47E-03	0|0	Cs9g01190.1	4.37	0	0	2	MASCOT	T		
3.77E-02	0|0	Cs9g01190.1	4.37	0	0	2	MASCOT	T		
1.28E-02	0|0	Cs9g01190.1	6	0	0	2	MASCOT	T	PLEX8	
1.02E-01	0|0	Cs9g01190.1	6	0	0	2	MASCOT	T	PLEX8	
1.03E-02	0|0	Cs9g01190.1	6	0	0	2	MASCOT	T	PLEX8	
5.50E-02	0|0	Cs9g01190.1	6	0	0	2	MASCOT	T	PLEX8	
5.79E-04	0|0	orange1.1t01675.1	3.92	0	0	2	MASCOT	T	PLEX8	
8.09E-05	0|0	orange1.1t01675.1	3.92	0	0	2	MASCOT	T		
1.36E-01	0|0	orange1.1t01675.1	4.03	0	0	2	MASCOT	T	PLEX8	
2.50E-02	0|0	orange1.1t01675.1	4.03	0	0	2	MASCOT	T	PLEX8	
1.44E-01	0|0	orange1.1t01675.1	4.03	0	0	2	MASCOT	T	PLEX8	
4.93E-02	0|0	orange1.1t01675.1	4.03	0	0	2	MASCOT	T	PLEX8	
2.56E-01	0|0	Cs1g01010.1/Cs1g010	5.32	0	0	2	MASCOT	T	PLEX8	
1.85E-02	0|0	Cs1g01010.1/Cs1g010	5.32	0	0	2	MASCOT	T	PLEX8	
7.04E-02	0|0	Cs1g01010.1/Cs1g010	5.32	0	0	2	MASCOT	T	PLEX8	
7.45E-02	0|0	Cs1g01010.1/Cs1g010	4.21	0	0	2	MASCOT	T	PLEX8	
1.66E-02	0|0	Cs1g01010.1/Cs1g010	4.21	0	0	2	MASCOT	T	PLEX8	
6.39E-01	0|0	Cs1g01010.1/Cs1g010	4.21	0	0	2	MASCOT	T	PLEX8	
1.51E-03	0|0	orange1.1t05358.1	4.53	0	0	2	MASCOT	T	PLEX8	
6.66E-03	0|0	orange1.1t05358.1	4.53	0	0	2	MASCOT	T	PLEX8	
7.98E-02	0|0	orange1.1t05358.1	4.53	0	0	2	MASCOT	T	PLEX8	
5.26E-02	0|0	orange1.1t05358.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.35E-02	0|0	orange1.1t05358.1	4.53	0	0	2	MASCOT	T	PLEX8	
9.80E-02	0|0	orange1.1t05358.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.47E-03	0|0	Cs2g11720.1/Cs2g117	4.21	0	0	2	MASCOT	T		
1.75E-03	0|0	Cs2g11720.1/Cs2g117	4.21	0	0	2	MASCOT	T		
3.13E-01	0|0	Cs2g11720.1/Cs2g117	8.85	0	0	2	MASCOT	T	PLEX8	
1.03E-03	0|0	Cs2g11720.1/Cs2g117	8.85	0	0	2	MASCOT	T	PLEX8	
1.74E-01	0|0	Cs2g11720.1/Cs2g117	8.85	0	0	2	MASCOT	T	PLEX8	
4.41E-01	0|0	Cs2g25340.1/Cs2g253	6.01	0	15.9	0	2	MASCOT	T	PLEX8
2.85E-01	0|0	Cs2g25340.1/Cs2g253	6.01	0	15.9	0	2	MASCOT	T	PLEX8
5.11E-02	0|0	Cs2g25340.1/Cs2g253	6.01	0	0	2	MASCOT	T	PLEX8	
9.96E-02	0|0	Cs2g25340.1/Cs2g253	6.01	0	0	2	MASCOT	T	PLEX8	
1.72E-03	0|0	Cs2g25340.1/Cs2g253	6.75	0	0	2	MASCOT	T	PLEX8	
6.74E-02	0|0	Cs2g27000.1/Cs2g270	4.37	0	0	2	MASCOT	T	PLEX8	
3.00E-02	0|0	Cs2g27000.1/Cs2g270	8.72	0	0	2	MASCOT	T	PLEX8	
4.68E-03	0|0	Cs2g27000.1/Cs2g270	8.72	0	0	2	MASCOT	T	PLEX8	
3.38E-02	0|0	Cs2g27000.1/Cs2g270	8.72	0	0	2	MASCOT	T		
5.34E-03	0|0	Cs2g27000.1/Cs2g270	8.72	0	0	2	MASCOT	T	PLEX8	
7.67E-03	0|0	Cs3g16860.1/Cs3g168	5.97	0	0	2	MASCOT	T	PLEX8	
4.07E-05	0|0	Cs3g16860.1/Cs3g168	5.97	0	0	2	MASCOT	T	PLEX8	
2.48E-03	0|0	Cs3g16860.1/Cs3g168	5.97	0	0	2	MASCOT	T	PLEX8	
3.62E-03	0|0	Cs3g16860.1/Cs3g168	5.97	0	0	2	MASCOT	T	PLEX8	
1.00E-01	0|0	Cs3g16860.1/Cs3g168	4	0	0	2	MASCOT	T	PLEX8	

1.32E-01	0|0	Cs3g19700.1	8.8	0	0	2	MASCOT	T	PLEX8
1.87E-01	0|0	Cs3g19700.1	8.8	0	0	2	MASCOT	T	PLEX8
6.76E-02	0|0	Cs3g19700.1	8.8	0	0	2	MASCOT	T	
2.39E-04	0|0	Cs3g19700.1	4.14	0	0	2	MASCOT	T	PLEX8
2.90E-03	0|0	Cs3g19700.1	4.14	0	0	2	MASCOT	T	PLEX8
8.06E-02	0|0	Cs3g27530.1/Cs3g275	5.88	0	0	2	MASCOT	T	PLEX8
5.34E-02	0|0	Cs3g27530.1/Cs3g275	4.14	0	0	2	MASCOT	T	PLEX8
7.62E-02	0|0	Cs3g27530.1/Cs3g275	4.14	0	0	2	MASCOT	T	PLEX8
3.88E-02	0|0	Cs3g27530.1/Cs3g275	4.14	0	0	2	MASCOT	T	PLEX8
3.02E-02	0|0	Cs3g27530.1/Cs3g275	4.14	0	0	2	MASCOT	T	
2.82E-01	0|0	Cs4g19780.1/Cs4g197	8.31	0	0	2	MASCOT	T	PLEX8
1.25E-01	0|0	Cs4g19780.1/Cs4g197	8.31	0	0	2	MASCOT	T	PLEX8
3.94E-04	0|0	Cs4g19780.1/Cs4g197	8.31	0	0	2	MASCOT	T	PLEX8
9.57E-03	0|0	Cs4g19780.1/Cs4g197	4.53	0	0	2	MASCOT	T	PLEX8
1.17E-02	0|0	Cs4g19780.1/Cs4g197	4.53	0	0	2	MASCOT	T	PLEX8
1.07E-02	0|0	Cs5g05570.1/Cs5g055	8.73	0	0	2	MASCOT	T	PLEX8
1.63E-02	0|0	Cs5g05570.1/Cs5g055	8.73	0	0	2	MASCOT	T	PLEX8
1.46E-02	0|0	Cs5g05570.2	8.2	0	0	2	MASCOT	T	PLEX8
2.09E-02	0|0	Cs5g05570.2	8.2	0	0	2	MASCOT	T	PLEX8
5.85E-02	0|0	Cs5g05570.2	8.2	0	0	2	MASCOT	T	PLEX8
5.41E-03	0|0	Cs6g11900.1/Cs6g119	9.75	0	0	2	MASCOT	T	PLEX8
3.78E-02	0|0	Cs6g11900.1/Cs6g119	9.75	0	0	2	MASCOT	T	PLEX8
2.80E-02	0|0	Cs6g11900.1/Cs6g119	9.72	0	0	2	MASCOT	T	PLEX8
6.23E-02	0|0	Cs6g11900.1/Cs6g119	9.72	0	0	2	MASCOT	T	PLEX8
1.84E-02	0|0	Cs6g11900.1/Cs6g119	9.72	0	0	2	MASCOT	T	PLEX8
4.88E-01	0|0	Cs7g03150.1/Cs7g031	8.41	0	0	2	MASCOT	T	PLEX8
1.32E-01	0|0	Cs7g03150.1/Cs7g031	8.41	0	0	2	MASCOT	T	PLEX8
2.97E-02	0|0	Cs7g03150.1/Cs7g031	8.41	0	0	2	MASCOT	T	PLEX8
3.05E-02	0|0	Cs7g03150.1/Cs7g031	4.53	0	0	2	MASCOT	T	PLEX8
8.24E-02	0|0	Cs7g03150.1/Cs7g031	4.53	0	0	2	MASCOT	T	PLEX8
1.89E-04	0|0	Cs7g13550.1/Cs7g135	4.53	0	0	2	MASCOT	T	PLEX8
1.77E-04	0|0	Cs7g13550.1/Cs7g135	4.53	0	0	2	MASCOT	T	PLEX8
7.05E-04	0|0	Cs7g13550.1/Cs7g135	4.53	0	0	2	MASCOT	T	PLEX8
6.50E-05	0|0	Cs7g13550.1/Cs7g135	4.53	0	0	2	MASCOT	T	PLEX8
1.99E-02	0|0	Cs7g13550.1/Cs7g135	5.94	0	0	2	MASCOT	T	PLEX8
1.17E-02	0|0	Cs9g01690.1/Cs9g016	4.03	0	0	2	MASCOT	T	PLEX8
1.61E-03	0|0	Cs9g01690.1/Cs9g016	4.03	0	0	2	MASCOT	T	PLEX8
2.21E-02	0|0	Cs9g01690.1/Cs9g016	4.03	0	0	2	MASCOT	T	PLEX8
1.56E-02	0|0	Cs9g01690.2	8.56	0	0	2	MASCOT	T	PLEX8
2.17E-02	0|0	Cs9g01690.2	8.56	0	0	2	MASCOT	T	PLEX8
5.43E-02	0|0	Cs9g17210.1	4.53	0	0	2	MASCOT	T	PLEX8
5.29E-02	0|0	Cs9g17210.1	4.53	0	0	2	MASCOT	T	PLEX8
1.08E-01	0|0	Cs9g17210.1 ! orange|	4.25	0	0	2	MASCOT	T	PLEX8
1.21E-01	0|0	Cs9g17210.1 ! orange|	4.25	0	0	2	MASCOT	T	PLEX8
1.50E-02	0|0	Cs9g17210.1 ! orange|	4.25	0	0	2	MASCOT	T	PLEX8
2.68E-02	0|0	gi|113952657	6.5	0	15.9	0	2	MASCOT	T
7.44E-03	0|0	gi|113952657	6.5	0	0	2	MASCOT	T	PLEX8
1.73E-03	0|0	gi|113952657	6.5	0	0	2	MASCOT	T	
2.42E-03	0|0	gi|113952657	4.22	0	0	2	MASCOT	T	PLEX8
1.82E-04	0|0	gi|113952657	4.22	0	0	2	MASCOT	T	
5.50E-02	0|0	Cs5g02880.1/orange1.	5.84	0	0	2	MASCOT	T	PLEX8

4.57E-02	0|0	Cs5g02880.1/orange1.	5.84	0	0	2	MASCOT	T		
2.07E-02	0|0	Cs5g02880.1/orange1.	5.84	0	0	2	MASCOT	T	PLEX8	
2.44E-02	0|0	Cs5g02880.1/orange1.	5.84	0	0	2	MASCOT	T	PLEX8	
2.38E-01	0|0	orange1.1t00429.1	6.75	0	0	2	MASCOT	T	PLEX8	
1.11E-02	0|0	orange1.1t03901.1/ora	8.06	0	15.9	0	2	MASCOT	T	PLEX8
1.05E-02	0|0	orange1.1t03901.1/ora	8.06	0	0	2	MASCOT	T	PLEX8	
2.16E-05	0|0	orange1.1t03901.1/ora	8.06	0	0	2	MASCOT	T	PLEX8	
1.33E-03	0|0	orange1.1t03901.1/ora	8.06	0	0	2	MASCOT	T	PLEX8	
2.73E-02	0|0	orange1.1t03901.1	9.75	0	0	2	MASCOT	T		
3.21E-01	0|0	Cs1g08260.1	4.53	0	0	2	MASCOT	T	PLEX8	
4.31E-05	0|0	Cs1g08260.1	4.53	0	0	2	MASCOT	T	PLEX8	
8.43E-05	0|0	Cs1g08260.1	4.53	0	0	2	MASCOT	T	PLEX8	
2.94E-04	0|0	Cs1g08260.1	9.75	0	0	2	MASCOT	T	PLEX8	
1.62E-01	0|0	Cs1g13080.1	4.65	0	0	2	MASCOT	T	PLEX8	
1.75E-02	0|0	Cs1g13080.1	6	0	0	2	MASCOT	T	PLEX8	
1.06E-02	0|0	Cs1g13080.1	6	0	0	2	MASCOT	T	PLEX8	
7.41E-03	0|0	Cs1g13080.1	6	0	0	2	MASCOT	T	PLEX8	
8.49E-02	0|0	Cs1g13260.1/Cs1g132	6.74	0	0	2	MASCOT	T		
2.07E-02	0|0	Cs1g13260.1/Cs1g132	4	0	0	2	MASCOT	T	PLEX8	
2.99E-03	0|0	Cs1g13260.1/Cs1g132	4	0	0	2	MASCOT	T		
6.57E-04	0|0	Cs1g13260.1/Cs1g132	4	0	0	2	MASCOT	T	PLEX8	
2.46E-03	0|0	Cs1g19310.1	6	0	0	2	MASCOT	T		
1.16E-01	0|0	Cs1g19310.1	6	0	0	2	MASCOT	T		
1.01E-04	0|0	Cs1g19310.1	4.22	0	0	2	MASCOT	T	PLEX8	
4.21E-04	0|0	Cs1g19310.1	4.22	0	0	2	MASCOT	T	PLEX8	
9.22E-02	0|0	Cs1g26170.1	6	0	0	2	MASCOT	T		
2.37E-02	0|0	Cs1g26170.1	6	0	0	2	MASCOT	T		
2.42E-02	0|0	Cs1g26170.1	6.89	0	0	2	MASCOT	T	PLEX8	
5.33E-02	0|0	Cs1g26170.1	6.89	0	0	2	MASCOT	T	PLEX8	
1.14E-01	0|0	Cs2g08850.1	5.84	0	0	2	MASCOT	T	PLEX8	
1.75E-03	0|0	Cs2g08850.1	5.84	0	0	2	MASCOT	T	PLEX8	
1.30E-02	0|0	Cs2g08850.1/orange1.	3.84	0	15.9	0	2	MASCOT	T	
9.60E-03	0|0	Cs2g08850.1/orange1.	3.84	0	0	2	MASCOT	T		
4.51E-05	0|0	Cs2g16410.1/Cs2g164	6.91	0	0	2	MASCOT	T	PLEX8	
2.23E-03	0|0	Cs2g16410.1/Cs2g164	6.91	0	0	2	MASCOT	T	PLEX8	
1.22E-01	0|0	Cs2g16410.1 ! Cs2g16	8.41	0	0	2	MASCOT	T	PLEX8	
4.35E-02	0|0	Cs2g16410.1 ! Cs2g16	8.41	0	0	2	MASCOT	T	PLEX8	
3.01E-02	0|0	Cs3g07610.1	8.76	0	0	2	MASCOT	T	PLEX8	
2.57E-01	0|0	Cs3g07610.1	8.6	0	15.9	0	2	MASCOT	T	PLEX8
1.57E-01	0|0	Cs3g07610.1	8.6	0	15.9	0	2	MASCOT	T	
3.66E-02	0|0	Cs3g07610.1	8.6	0	0	2	MASCOT	T		
2.51E-02	0|0	Cs3g11440.1	5.99	0	0	2	MASCOT	T		
6.85E-02	0|0	Cs3g11440.1	5.99	0	0	2	MASCOT	T		
6.19E-03	0|0	Cs3g11440.1	5.99	0	0	2	MASCOT	T	PLEX8	
1.01E-02	0|0	Cs3g11440.1	5.99	0	0	2	MASCOT	T	PLEX8	
2.78E-03	0|0	Cs3g14360.1/Cs3g143	6.04	0	0	2	MASCOT	T		
6.94E-03	0|0	Cs1g08770.1/Cs1g087	8.59	0	0	2	MASCOT	T	PLEX8	
6.86E-03	0|0	Cs1g08770.1/Cs1g087	8.59	0	0	2	MASCOT	T	PLEX8	
3.66E-03	0|0	Cs1g08770.1/Cs1g087	8.59	0	0	2	MASCOT	T	PLEX8	
2.52E-01	0|0	Cs3g18460.1/Cs3g184	6.74	0	0	2	MASCOT	T		
2.12E-01	0|0	Cs3g18460.1/Cs3g184	6.74	0	0	2	MASCOT	T		

1.67E-02	0|0	Cs3g18460.1/Cs3g184	5.32	0	0	2	MASCOT	T	PLEX8
3.62E-02	0|0	Cs3g18460.1/Cs3g184	5.32	0	0	2	MASCOT	T	PLEX8
1.88E-02	0|0	Cs3g24320.1	9.8	0	0	2	MASCOT	T	PLEX8
5.33E-02	0|0	Cs3g24320.1	9.8	0	0	2	MASCOT	T	PLEX8
1.32E-02	0|0	Cs3g24320.1	5.97	0	0	2	MASCOT	T	PLEX8
4.43E-02	0|0	Cs3g24320.1	5.97	0	0	2	MASCOT	T	PLEX8
1.09E-02	0|0	Cs3g25120.1	4.54	0	0	2	MASCOT	T	PLEX8
5.56E-04	0|0	Cs3g25120.1	4.03	0	0	2	MASCOT	T	PLEX8
1.09E-05	0|0	Cs3g25120.1	4.03	0	0	2	MASCOT	T	PLEX8
2.25E-02	0|0	Cs3g25120.1	4.03	0	0	2	MASCOT	T	PLEX8
5.82E-02	0|0	Cs4g09580.1	8.75	0	0	2	MASCOT	T	PLEX8
1.70E-01	0|0	Cs4g09580.1	8.75	0	0	2	MASCOT	T	PLEX8
3.18E-03	0|0	Cs4g09580.1	3.97	0	0	2	MASCOT	T	PLEX8
1.54E-04	0|0	Cs4g09580.1	3.97	0	0	2	MASCOT	T	PLEX8
5.82E-03	0|0	Cs5g01690.1	4.53	0	0	2	MASCOT	T	PLEX8
6.58E-02	0|0	Cs5g01690.1	6	0	0	2	MASCOT	T	PLEX8
6.48E-05	0|0	Cs5g01690.1	6	0	0	2	MASCOT	T	PLEX8
1.72E-01	0|0	Cs5g01690.1	6	0	0	2	MASCOT	T	PLEX8
1.41E-01	0|0	Cs5g04830.1	6.75	0	0	2	MASCOT	T	PLEX8
2.78E-02	0|0	Cs5g04830.1	4.25	0	0	2	MASCOT	T	PLEX8
5.29E-05	0|0	Cs5g04830.1	4.25	0	0	2	MASCOT	T	PLEX8
6.55E-03	0|0	Cs5g04830.1	4.25	0	0	2	MASCOT	T	PLEX8
4.98E-01	0|0	Cs5g07930.1/Cs5g079	5.84	0	15.9	0	2	MASCOT	T
3.81E-01	0|0	Cs5g07930.1/Cs5g079	5.84	0	0	2	MASCOT	T	PLEX8
5.33E-02	0|0	Cs5g07930.1/Cs5g079	4.41	0	0	2	MASCOT	T	PLEX8
5.53E-04	0|0	Cs5g07930.1/Cs5g079	4.41	0	0	2	MASCOT	T	PLEX8
1.13E-01	0|0	Cs3g14920.1/Cs3g149	4.14	0	0	2	MASCOT	T	PLEX8
2.14E-03	0|0	Cs5g33750.1/Cs5g337	6.71	0	0	2	MASCOT	T	PLEX8
1.59E-03	0|0	Cs5g33750.1/Cs5g337	6.71	0	0	2	MASCOT	T	PLEX8
4.00E-05	0|0	Cs5g33750.1/Cs5g337	6.71	0	0	2	MASCOT	T	PLEX8
1.62E-01	0|0	Cs5g34680.1	8.8	0	0	2	MASCOT	T	PLEX8
3.25E-01	0|0	Cs5g34680.1	8.8	0	0	2	MASCOT	T	PLEX8
4.18E-01	0|0	Cs5g34680.1	8.8	0	0	2	MASCOT	T	PLEX8
1.12E-01	0|0	Cs5g34680.1	4.68	0	0	2	MASCOT	T	PLEX8
2.78E-04	0|0	Cs6g11260.1/Cs6g112	4.53	0	0	2	MASCOT	T	PLEX8
1.05E-04	0|0	Cs6g11260.1/Cs6g112	4.53	0	0	2	MASCOT	T	PLEX8
3.65E-04	0|0	Cs6g11260.1/Cs6g112	4.53	0	0	2	MASCOT	T	PLEX8
7.91E-02	0|0	Cs6g11260.1/Cs6g112	4.14	0	0	2	MASCOT	T	PLEX8
1.67E-01	0|0	Cs6g12510.1	8.57	0	0	2	MASCOT	T	PLEX8
7.20E-02	0|0	Cs6g12510.1	8.57	0	0	2	MASCOT	T	PLEX8
1.35E-03	0|0	Cs6g12510.1	4.37	0	0	2	MASCOT	T	PLEX8
3.20E-02	0|0	Cs6g12510.1	4.37	0	0	2	MASCOT	T	PLEX8
4.44E-02	0|0	Cs6g15340.1/Cs6g153	4.25	0	0	2	MASCOT	T	PLEX8
1.39E-03	0|0	Cs6g15340.1/Cs6g153	4.25	0	0	2	MASCOT	T	PLEX8
5.32E-02	0|0	Cs6g15340.1/Cs6g153	4.25	0	0	2	MASCOT	T	PLEX8
4.00E-02	0|0	Cs6g15340.1/Cs6g153	9.73	0	0	2	MASCOT	T	PLEX8
4.65E-02	0|0	Cs6g16050.1	5.32	0	0	2	MASCOT	T	PLEX8
6.18E-02	0|0	Cs6g16050.1	5.32	0	0	2	MASCOT	T	PLEX8
1.90E-01	0|0	Cs6g16050.1	5.32	0	0	2	MASCOT	T	PLEX8
8.97E-02	0|0	Cs6g16050.1	6.74	0	0	2	MASCOT	T	PLEX8
1.39E-02	0|0	Cs6g18640.1/Cs6g186	6	0	0	2	MASCOT	T	PLEX8

5.97E-03	0|0	Cs6g18640.1/Cs6g186	6	0	0	2	MASCOT	T	PLEX8	
4.00E-02	0|0	Cs6g18640.1/Cs6g186	8.75	0	0	2	MASCOT	T	PLEX8	
1.29E-01	0|0	Cs6g18640.1/Cs6g186	8.75	0	0	2	MASCOT	T	PLEX8	
1.34E-03	0|0	Cs7g05430.1	4.03	0	15.9	0	2	MASCOT	T	PLEX8
1.75E-05	0|0	Cs7g05430.1	4.03	0	0	2	MASCOT	T	PLEX8	
1.33E-01	0|0	Cs7g05430.1/Cs7g054	3.92	0	0	2	MASCOT	T	PLEX8	
1.26E-01	0|0	Cs7g05430.1/Cs7g054	3.92	0	0	2	MASCOT	T	PLEX8	
1.52E-02	0|0	Cs7g02830.1/Cs9g178	3.84	0	0	2	MASCOT	T	PLEX8	
2.04E-02	0|0	Cs1g10530.1/Cs1g105	8.41	0	0	2	MASCOT	T	PLEX8	
4.86E-02	0|0	Cs1g10530.1/Cs1g105	8.41	0	0	2	MASCOT	T	PLEX8	
7.64E-02	0|0	Cs1g10530.1/Cs1g105	8.41	0	0	2	MASCOT	T	PLEX8	
4.10E-02	0|0	Cs7g07310.1	5.32	0	0	2	MASCOT	T	PLEX8	
2.20E-04	0|0	Cs7g07310.1	5.32	0	0	2	MASCOT	T	PLEX8	
2.73E-02	0|0	Cs7g07310.1	8.75	0	0	2	MASCOT	T	PLEX8	
4.53E-02	0|0	Cs7g07310.1	8.75	0	0	2	MASCOT	T	PLEX8	
6.06E-03	0|0	Cs5g12250.1/Cs6g196	8.8	0	0	2	MASCOT	T	PLEX8	
4.00E-02	0|0	Cs5g12250.1/Cs6g196	8.8	0	0	2	MASCOT	T	PLEX8	
3.63E-03	0|0	Cs5g12250.1/Cs6g196	8.8	0	0	2	MASCOT	T	PLEX8	
1.16E-01	0|0	Cs7g11730.1	5.84	0	0	2	MASCOT	T	PLEX8	
5.21E-02	0|0	Cs7g15380.1/Cs7g153	4.53	0	0	2	MASCOT	T	PLEX8	
3.69E-01	0|0	Cs7g15380.1/Cs7g153	4.53	0	0	2	MASCOT	T	PLEX8	
5.75E-02	0|0	Cs7g15380.1/Cs7g153	8.75	0	0	2	MASCOT	T	PLEX8	
6.23E-02	0|0	Cs7g15380.1/Cs7g153	8.75	0	0	2	MASCOT	T	PLEX8	
1.47E-01	0|0	Cs7g17700.1/Cs7g177	9.75	0	0	2	MASCOT	T	PLEX8	
8.24E-02	0|0	Cs7g17700.1/Cs7g177	9.75	0	0	2	MASCOT	T	PLEX8	
3.19E-01	0|0	Cs7g17700.1/orange1.	6.1	0	0	2	MASCOT	T	PLEX8	
1.69E-01	0|0	Cs7g17700.1/orange1.	6.1	0	0	2	MASCOT	T	PLEX8	
2.25E-03	0|0	Cs7g29830.1	5.21	0	0	2	MASCOT	T	PLEX8	
1.71E-05	0|0	Cs7g29830.1	6.5	0	15.9	0	2	MASCOT	T	PLEX8
1.13E-05	0|0	Cs7g29830.1	6.5	0	0	2	MASCOT	T	PLEX8	
2.49E-03	0|0	Cs7g29830.1	6.5	0	0	2	MASCOT	T	PLEX8	
7.33E-04	0|0	Cs8g10040.1/Cs8g101	4.31	0	0	2	MASCOT	T	PLEX8	
3.66E-05	0|0	Cs8g10040.1/Cs8g101	4.31	0	0	2	MASCOT	T	PLEX8	
6.08E-03	0|0	Cs8g10040.1/Cs8g101	4.53	0	0	2	MASCOT	T	PLEX8	
3.92E-02	0|0	Cs8g10040.1/Cs8g101	4.53	0	0	2	MASCOT	T	PLEX8	
6.22E-02	0|0	Cs7g28810.1/Cs8g180	8.34	0	0	2	MASCOT	T	PLEX8	
3.90E-04	0|0	Cs8g18060.1/Cs8g180	4.03	0	0	2	MASCOT	T	PLEX8	
7.75E-05	0|0	Cs8g18060.1/Cs8g180	4.03	0	0	2	MASCOT	T	PLEX8	
1.08E-03	0|0	Cs8g18060.1/Cs8g180	4.03	0	0	2	MASCOT	T	PLEX8	
4.08E-02	0|0	Cs1g15970.1/Cs1g202	5.84	0	0	2	MASCOT	T	PLEX8	
1.47E-01	0|0	Cs9g13570.1	8.75	0	0	2	MASCOT	T	PLEX8	
6.01E-02	0|0	Cs9g13570.1	8.75	0	0	2	MASCOT	T	PLEX8	
3.45E-01	0|0	Cs9g13570.1	8.75	0	0	2	MASCOT	T	PLEX8	
2.32E-03	0|0	Cs9g19270.2/Cs9g192	3.9	0	0	2	MASCOT	T	PLEX8	
1.69E-05	0|0	Cs9g19270.2/Cs9g192	3.9	0	0	2	MASCOT	T	PLEX8	
5.86E-03	0|0	Cs9g19270.2/Cs9g192	3.9	0	0	2	MASCOT	T	PLEX8	
8.14E-05	0|0	Cs9g19270.2/Cs9g192	8.75	1	0	2	MASCOT	T	PLEX8	
1.07E-01	0|0	orange1.1t00071.1	6	0	0	2	MASCOT	T	PLEX8	
2.45E-02	0|0	orange1.1t00071.1	6	0	0	2	MASCOT	T	PLEX8	
5.18E-03	0|0	orange1.1t00071.1	4.53	0	0	2	MASCOT	T	PLEX8	
2.08E-02	0|0	orange1.1t00071.1	4.53	0	0	2	MASCOT	T	PLEX8	

6.40E-02	0|0	orange1.1t01036.1/ora	4.53	0	15.9	0	2	MASCOT	T	
1.84E-02	0|0	orange1.1t01036.1/ora	4.53	0		0	2	MASCOT	T	
1.42E-01	0|0	orange1.1t01036.1/ora	5.84	0		0	2	MASCOT	T	PLEX8
1.00E-01	0|0	orange1.1t01036.1/ora	5.84	0		0	2	MASCOT	T	PLEX8
8.82E-02	0|0	orange1.1t01182.1 ! or	8.75	0		0	2	MASCOT	T	PLEX8
1.62E-01	0|0	orange1.1t01182.1 ! or	8.75	0		0	2	MASCOT	T	PLEX8
1.05E-02	0|0	orange1.1t01182.1	8.75	0		0	2	MASCOT	T	PLEX8
9.12E-03	0|0	orange1.1t01182.1	8.75	0		0	2	MASCOT	T	PLEX8
2.37E-02	0|0	orange1.1t01202.1	4.14	0		0	2	MASCOT	T	PLEX8
9.96E-02	0|0	orange1.1t01202.1	4.14	0		0	2	MASCOT	T	PLEX8
4.26E-01	0|0	orange1.1t01202.1	8.5	0		0	2	MASCOT	T	PLEX8
5.30E-02	0|0	orange1.1t01202.1	8.5	0		0	2	MASCOT	T	PLEX8
1.22E-05	0|0	orange1.1t02047.1/ora	5.84	0		0	2	MASCOT	T	
2.70E-02	0|0	orange1.1t02047.1/ora	5.84	0		0	2	MASCOT	T	
5.87E-02	0|0	orange1.1t02047.1/ora	6.04	0		0	2	MASCOT	T	PLEX8
2.07E-02	0|0	orange1.1t02047.1/ora	6.04	0		0	2	MASCOT	T	PLEX8
8.33E-04	0|0	orange1.1t03433.1	4.37	0		0	2	MASCOT	T	PLEX8
1.60E-01	0|0	orange1.1t03433.1	8.63	0		0	2	MASCOT	T	PLEX8
1.94E-01	0|0	orange1.1t03433.1	8.63	0		0	2	MASCOT	T	PLEX8
1.57E-02	0|0	orange1.1t03433.1	8.63	0		0	2	MASCOT	T	PLEX8
3.55E-01	0|0	orange1.1t04985.1	9.73	0		0	2	MASCOT	T	PLEX8
9.90E-04	0|0	orange1.1t04985.1	4.21	0		0	2	MASCOT	T	
8.51E-02	0|0	orange1.1t04985.1	4.21	0		0	2	MASCOT	T	PLEX8
6.09E-04	0|0	orange1.1t04985.1	4.21	0		0	2	MASCOT	T	
7.07E-02	0|0	Cs1g02770.1/Cs1g027	4.14	0		0	2	MASCOT	T	PLEX8
7.46E-02	0|0	Cs1g02770.1/Cs1g027	3.92	0		0	2	MASCOT	T	
3.66E-02	0|0	Cs1g02770.1/Cs1g027	3.92	0		0	2	MASCOT	T	
2.94E-02	0|0	Cs1g06530.5/Cs1g065	5.24	0		0	2	MASCOT	T	
1.40E-02	0|0	Cs1g06530.1/Cs1g065	4.37	0		0	2	MASCOT	T	PLEX8
2.73E-03	0|0	Cs1g06530.1/Cs1g065	4.37	0		0	2	MASCOT	T	PLEX8
1.46E-01	0|0	Cs1g07500.1/Cs1g075	4.54	0		0	2	MASCOT	T	PLEX8
1.56E-02	0|0	Cs1g07500.1/Cs1g075	4.54	0		0	2	MASCOT	T	PLEX8
2.37E-02	0|0	Cs1g07500.1/Cs1g075	8.59	0		0	2	MASCOT	T	PLEX8
3.11E-02	0|0	Cs1g08640.1/Cs1g086	4.8	0		0	2	MASCOT	T	
1.30E-02	0|0	Cs1g08640.1/Cs1g086	4.53	0		0	2	MASCOT	T	PLEX8
3.04E-01	0|0	Cs1g08640.1/Cs1g086	4.53	0		0	2	MASCOT	T	PLEX8
4.13E-01	0|0	Cs1g10910.1/Cs1g109	6.5	0		0	2	MASCOT	T	
2.00E-01	0|0	Cs1g10910.1/Cs1g109	6.5	0		0	2	MASCOT	T	
5.20E-02	0|0	Cs1g10970.1/Cs1g109	6.75	0		0	2	MASCOT	T	PLEX8
1.32E-01	0|0	Cs1g11360.1	4.37	0		0	2	MASCOT	T	PLEX8
2.93E-02	0|0	Cs1g11360.1	6.75	0		0	2	MASCOT	T	PLEX8
1.69E-02	0|0	Cs1g11360.1	6.75	0		0	2	MASCOT	T	
2.77E-05	0|0	Cs1g15410.1	4.37	0		0	2	MASCOT	T	PLEX8
2.84E-07	0|0	Cs1g15410.1	4.37	0		0	2	MASCOT	T	PLEX8
1.89E-02	0|0	Cs1g15410.1	8.25	0		0	2	MASCOT	T	
6.87E-03	0|0	Cs1g16240.1	4.75	0		0	2	MASCOT	T	PLEX8
1.20E-01	0|0	Cs1g16240.1	4.75	0		0	2	MASCOT	T	PLEX8
9.60E-02	0|0	Cs1g16240.1	8.75	0		0	2	MASCOT	T	PLEX8
4.61E-02	0|0	Cs1g16550.1	4.54	0		0	2	MASCOT	T	PLEX8
1.16E-04	0|0	Cs1g16550.1/Cs4g066	5.84	0		0	2	MASCOT	T	PLEX8
2.61E-04	0|0	Cs1g16550.1/Cs4g066	5.84	0		0	2	MASCOT	T	PLEX8

3.94E-03	0|0	Cs1g16880.1/Cs1g168	4.65	0	0	2	MASCOT	T	
9.17E-02	0|0	Cs1g16880.1/Cs1g168	4.53	0	0	2	MASCOT	T	PLEX8
4.36E-01	0|0	Cs1g16880.1/Cs1g168	4.53	0	0	2	MASCOT	T	PLEX8
2.36E-01	0|0	Cs1g17680.1/Cs1g176	6.75	0	0	2	MASCOT	T	PLEX8
2.95E-02	0|0	Cs1g17680.1/Cs1g176	9.49	0	0	2	MASCOT	T	
3.94E-02	0|0	Cs1g17680.1/Cs1g176	9.49	0	0	2	MASCOT	T	
3.99E-02	0|0	Cs1g18210.1	8.75	0	0	2	MASCOT	T	PLEX8
2.98E-02	0|0	Cs1g18210.1	8.75	0	0	2	MASCOT	T	PLEX8
3.05E-01	0|0	Cs1g18210.1	4.53	0	0	2	MASCOT	T	PLEX8
1.64E-01	0|0	Cs1g19360.1	6.1	0	0	2	MASCOT	T	PLEX8
9.49E-04	0|0	Cs1g19360.1	4.37	0	0	2	MASCOT	T	PLEX8
1.05E-05	0|0	Cs1g19360.1	4.37	0	0	2	MASCOT	T	PLEX8
1.74E-02	0|0	Cs1g21570.2	5.55	0	0	2	MASCOT	T	PLEX8
3.48E-02	0|0	Cs1g21570.1/Cs1g215	8.41	0	0	2	MASCOT	T	PLEX8
2.02E-02	0|0	Cs1g21570.1/Cs1g215	8.41	0	0	2	MASCOT	T	PLEX8
7.01E-03	0|0	Cs1g21580.1/Cs1g215	4.37	0	0	2	MASCOT	T	
2.59E-01	0|0	Cs1g21580.1/Cs1g215	6.74	0	0	2	MASCOT	T	PLEX8
1.60E-01	0|0	Cs1g21580.1/Cs1g215	6.74	0	0	2	MASCOT	T	PLEX8
9.05E-02	0|0	Cs2g02100.2/Cs2g021	6	0	0	2	MASCOT	T	PLEX8
2.52E-03	0|0	Cs2g02100.1/Cs2g021	5.4	0	0	2	MASCOT	T	PLEX8
2.10E-03	0|0	Cs2g02100.1/Cs2g021	5.4	0	0	2	MASCOT	T	PLEX8
3.77E-02	0|0	Cs2g06690.1	5.66	0	0	2	MASCOT	T	PLEX8
9.28E-02	0|0	Cs2g06690.1	5.66	0	0	2	MASCOT	T	PLEX8
8.54E-02	0|0	Cs2g06690.1	4.53	0	0	2	MASCOT	T	PLEX8
1.09E-03	0|0	Cs2g07350.1	9.6	1	0	2	MASCOT	T	PLEX8
2.14E-01	0|0	Cs2g07350.1	5.84	0	0	2	MASCOT	T	PLEX8
2.00E-01	0|0	Cs2g07350.1	5.84	0	0	2	MASCOT	T	PLEX8
2.47E-01	0|0	Cs2g11590.1	5.55	0	0	2	MASCOT	T	
9.82E-02	0|0	Cs2g11590.1	5.84	0	0	2	MASCOT	T	PLEX8
1.18E-02	0|0	Cs2g11590.1	5.84	0	0	2	MASCOT	T	PLEX8
6.62E-02	0|0	Cs2g12100.1/Cs2g121	4.14	0	0	2	MASCOT	T	PLEX8
1.44E-02	0|0	Cs2g07740.1/Cs7g237	4.21	0	0	2	MASCOT	T	PLEX8
4.81E-02	0|0	Cs2g07740.1/Cs7g237	4.21	0	0	2	MASCOT	T	PLEX8
1.22E-01	0|0	Cs2g12670.1	4.65	0	0	2	MASCOT	T	PLEX8
7.98E-02	0|0	Cs2g12670.1	4.53	0	0	2	MASCOT	T	PLEX8
3.08E-01	0|0	Cs2g12670.1	4.53	0	0	2	MASCOT	T	PLEX8
4.23E-02	0|0	Cs2g15140.1	6.79	0	0	2	MASCOT	T	PLEX8
7.83E-04	0|0	Cs2g15140.1	6.79	0	0	2	MASCOT	T	
2.07E-02	0|0	Cs2g15140.1	5.84	0	0	2	MASCOT	T	
1.12E-02	0|0	Cs7g32110.1/Cs7g321	5.84	0	0	2	MASCOT	T	PLEX8
1.57E-04	0|0	Cs2g04510.1 ! Cs2g15	5.32	0	0	2	MASCOT	T	PLEX8
1.17E-03	0|0	Cs2g04510.1 ! Cs2g15	5.32	0	0	2	MASCOT	T	PLEX8
1.37E-01	0|0	Cs2g03780.1/Cs2g196	6	0	0	2	MASCOT	T	PLEX8
9.02E-03	0|0	Cs2g19680.1	5.4	0	0	2	MASCOT	T	PLEX8
7.15E-03	0|0	Cs2g19680.1	5.4	0	0	2	MASCOT	T	PLEX8
3.40E-02	0|0	Cs2g25310.1/Cs2g253	5.88	0	0	2	MASCOT	T	PLEX8
8.84E-02	0|0	Cs2g25310.1	9.76	0	0	2	MASCOT	T	PLEX8
9.99E-02	0|0	Cs2g25310.1	9.76	0	0	2	MASCOT	T	PLEX8
2.70E-03	0|0	Cs2g30470.1	5.32	0	0	2	MASCOT	T	PLEX8
9.37E-03	0|0	Cs2g30470.1	5.29	0	0	2	MASCOT	T	PLEX8
2.15E-02	0|0	Cs2g30470.1	5.29	0	0	2	MASCOT	T	PLEX8

2.05E-02 0|0	Cs3g01690.1	5.84	0	0	2	MASCOT	T	PLEX8	
8.91E-03 0|0	Cs3g01690.1	5.84	0	0	2	MASCOT	T	PLEX8	
7.07E-04 0|0	Cs3g01690.1	6	0	15.9	0	2	MASCOT	T	PLEX8
6.92E-02 0|0	Cs3g01750.1/Cs3g017	5.4	0	15.9	0	2	MASCOT	T	PLEX8
6.10E-03 0|0	Cs3g01750.1/Cs3g017	5.4	0	0	2	MASCOT	T	PLEX8	
1.12E-01 0|0	Cs3g01750.1/Cs9g096	5.81	0	0	2	MASCOT	T	PLEX8	
2.75E-03 0|0	Cs3g07570.1/Cs3g075	5.84	0	0	2	MASCOT	T	PLEX8	
5.15E-02 0|0	Cs3g07570.1/Cs3g075	4.14	0	0	2	MASCOT	T	PLEX8	
2.98E-03 0|0	Cs3g07570.1/Cs3g075	4.14	0	0	2	MASCOT	T	PLEX8	
2.10E-01 0|0	Cs3g11760.1/Cs3g117	6.75	0	0	2	MASCOT	T	PLEX8	
1.18E-01 0|0	Cs3g06780.1 ! Cs3g06	6.85	0	0	2	MASCOT	T	PLEX8	
1.42E-01 0|0	Cs3g06780.1 ! Cs3g06	6.85	0	0	2	MASCOT	T		
4.53E-03 0|0	Cs3g14420.1	5.39	1	0	2	MASCOT	T	PLEX8	
1.81E-02 0|0	Cs3g14420.1	5.39	1	0	2	MASCOT	T	PLEX8	
1.61E-01 0|0	Cs3g14420.1/Cs3g144	6.1	0	0	2	MASCOT	T	PLEX8	
1.85E-01 0|0	Cs3g16440.1/Cs3g164	8.63	0	0	2	MASCOT	T	PLEX8	
2.44E-01 0|0	Cs3g16440.1/Cs3g164	8.63	0	0	2	MASCOT	T	PLEX8	
1.94E-01 0|0	Cs3g16440.1/Cs3g164	4.21	0	15.9	0	2	MASCOT	T	
2.61E-01 0|0	Cs3g18390.1	5.87	0	0	2	MASCOT	T	PLEX8	
1.30E-02 0|0	Cs3g18390.1/Cs3g183	6	0	0	2	MASCOT	T	PLEX8	
3.84E-02 0|0	Cs3g18390.1/Cs3g183	6	0	0	2	MASCOT	T	PLEX8	
5.45E-03 0|0	Cs3g20740.1	3.84	0	0	2	MASCOT	T	PLEX8	
2.29E-02 0|0	Cs3g20740.1	5.4	0	0	2	MASCOT	T	PLEX8	
3.41E-01 0|0	Cs3g20740.1	5.4	0	0	2	MASCOT	T		
1.56E-01 0|0	Cs3g23560.1	8.63	0	0	2	MASCOT	T	PLEX8	
2.39E-02 0|0	Cs3g23560.1/Cs3g235	6.74	0	0	2	MASCOT	T	PLEX8	
1.85E-04 0|0	Cs3g23560.1/Cs3g235	6.74	0	0	2	MASCOT	T	PLEX8	
3.71E-02 0|0	Cs3g26630.1	4.37	0	0	2	MASCOT	T	PLEX8	
2.69E-02 0|0	Cs3g26630.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.36E-01 0|0	Cs3g26630.1	9.8	0	0	2	MASCOT	T		
3.25E-02 0|0	Cs3g26880.1/Cs3g268	5.32	0	0	2	MASCOT	T	PLEX8	
9.33E-04 0|0	Cs3g26880.1/Cs3g268	6.46	0	0	2	MASCOT	T	PLEX8	
1.65E-02 0|0	Cs3g26880.1/Cs3g268	6.46	0	0	2	MASCOT	T	PLEX8	
1.10E-02 0|0	Cs3g27230.1/Cs3g272	6.72	0	0	2	MASCOT	T	PLEX8	
2.91E-01 0|0	Cs3g27230.1/Cs3g272	5.84	0	0	2	MASCOT	T		
1.60E-01 0|0	Cs3g27230.1/Cs3g272	5.84	0	0	2	MASCOT	T		
6.76E-02 0|0	Cs4g01520.1/Cs4g015	6.75	0	0	2	MASCOT	T		
2.75E-02 0|0	Cs4g01520.1/Cs4g015	6.71	0	0	2	MASCOT	T	PLEX8	
7.19E-02 0|0	Cs4g01520.1/Cs4g015	6.71	0	0	2	MASCOT	T		
8.23E-05 0|0	Cs4g03690.1/Cs4g036	4.65	0	0	2	MASCOT	T	PLEX8	
8.70E-04 0|0	Cs4g03690.1/Cs4g036	4.65	0	0	2	MASCOT	T	PLEX8	
3.79E-01 0|0	Cs4g03690.1/Cs4g036	6	0	0	2	MASCOT	T	PLEX8	
2.87E-02 0|0	Cs4g06830.1/Cs4g068	5.32	0	0	2	MASCOT	T		
3.76E-05 0|0	Cs4g06830.1/Cs4g068	5.66	0	0	2	MASCOT	T	PLEX8	
5.73E-05 0|0	Cs4g06830.1/Cs4g068	5.66	0	0	2	MASCOT	T	PLEX8	
3.43E-03 0|0	Cs4g08230.1/Cs4g082	5.4	0	0	2	MASCOT	T	PLEX8	
2.37E-03 0|0	Cs4g08230.1/Cs4g082	5.4	0	0	2	MASCOT	T	PLEX8	
1.53E-01 0|0	Cs2g01320.1/Cs2g013	4.21	0	0	2	MASCOT	T	PLEX8	
1.44E-01 0|0	Cs4g08565.1/Cs4g085	6.92	0	0	2	MASCOT	T	PLEX8	
1.79E-03 0|0	Cs4g08565.1/Cs4g085	5.21	0	0	2	MASCOT	T	PLEX8	
2.60E-04 0|0	Cs4g08565.1/Cs4g085	5.21	0	0	2	MASCOT	T	PLEX8	

7.98E-02	0|0	Cs4g16850.1/Cs4g168	5.84	0	0	2	MASCOT	T	PLEX8	
3.37E-02	0|0	Cs4g16850.1/Cs4g168	4.65	0	0	2	MASCOT	T	PLEX8	
1.32E-03	0|0	Cs4g16850.1/Cs4g168	4.65	0	0	2	MASCOT	T		
1.77E-01	0|0	Cs5g01600.1/Cs5g016	4.37	0	0	2	MASCOT	T	PLEX8	
2.56E-01	0|0	Cs5g01600.1/Cs5g016	4.37	0	0	2	MASCOT	T	PLEX8	
1.49E-01	0|0	Cs5g01600.1/Cs5g016	4.37	0	0	2	MASCOT	T	PLEX8	
2.77E-03	0|0	Cs5g03490.1	4.14	0	15.9	0	2	MASCOT	T	PLEX8
5.49E-02	0|0	Cs5g03490.1	6.74	0	0	2	MASCOT	T	PLEX8	
1.06E-02	0|0	Cs5g03490.1	6.74	0	0	2	MASCOT	T		
9.63E-03	0|0	Cs5g09860.1/Cs5g098	4.37	0	0	2	MASCOT	T		
4.74E-01	0|0	Cs4g14140.1/Cs8g093	9.76	0	0	2	MASCOT	T	PLEX8	
2.60E-01	0|0	Cs4g14140.1/Cs8g093	9.76	0	0	2	MASCOT	T	PLEX8	
2.39E-03	0|0	Cs5g13060.1	8.8	0	0	2	MASCOT	T	PLEX8	
4.63E-02	0|0	Cs5g13060.1	8.8	0	0	2	MASCOT	T	PLEX8	
1.42E-02	0|0	Cs5g13060.1	8.72	0	0	2	MASCOT	T	PLEX8	
8.61E-03	0|0	Cs5g20790.1/Cs5g207	5.21	0	0	2	MASCOT	T	PLEX8	
6.99E-02	0|0	Cs5g20790.2	5.24	0	0	2	MASCOT	T	PLEX8	
5.34E-02	0|0	Cs5g20790.2	5.24	0	0	2	MASCOT	T	PLEX8	
2.68E-02	0|0	Cs5g21340.1	4.37	0	0	2	MASCOT	T		
4.53E-02	0|0	Cs5g21340.1	4.37	0	0	2	MASCOT	T		
2.64E-01	0|0	Cs5g21340.1/Cs5g213	6	0	0	2	MASCOT	T	PLEX8	
1.24E-01	0|0	Cs5g25450.1/Cs5g254	6.74	0	0	2	MASCOT	T	PLEX8	
1.34E-01	0|0	Cs5g25450.1/Cs5g254	6.74	0	0	2	MASCOT	T	PLEX8	
9.29E-04	0|0	Cs5g25450.1/Cs5g254	6.74	0	0	2	MASCOT	T		
3.77E-01	0|0	Cs1g13340.1/Cs4g172	8.76	0	0	2	MASCOT	T	PLEX8	
1.82E-04	0|0	Cs1g13340.1/Cs4g172	3.92	0	0	2	MASCOT	T	PLEX8	
1.11E-02	0|0	Cs1g13340.1/Cs4g172	3.92	0	0	2	MASCOT	T	PLEX8	
1.87E-01	0|0	Cs5g31640.1	5.99	0	0	2	MASCOT	T	PLEX8	
2.30E-02	0|0	Cs5g31640.1/Cs5g316	5.97	0	0	2	MASCOT	T	PLEX8	
1.85E-02	0|0	Cs5g31640.1/Cs5g316	5.97	0	0	2	MASCOT	T	PLEX8	
2.41E-01	0|0	Cs5g33050.1/Cs5g330	4.53	0	0	2	MASCOT	T	PLEX8	
2.84E-02	0|0	Cs5g33050.1/Cs5g330	5.72	0	0	2	MASCOT	T	PLEX8	
7.90E-02	0|0	Cs5g33050.1/Cs5g330	5.72	0	0	2	MASCOT	T	PLEX8	
1.05E-01	0|0	Cs5g33060.1/Cs5g330	6	0	0	2	MASCOT	T	PLEX8	
3.18E-02	0|0	Cs4g09120.1/Cs4g091	8.75	0	0	2	MASCOT	T	PLEX8	
1.84E-02	0|0	Cs4g09120.1/Cs4g091	8.75	0	0	2	MASCOT	T	PLEX8	
4.04E-02	0|0	Cs5g34420.1/Cs5g344	6.74	0	0	2	MASCOT	T	PLEX8	
6.19E-05	0|0	Cs5g34420.1/Cs5g344	6.74	0	0	2	MASCOT	T	PLEX8	
1.52E-02	0|0	Cs5g34420.1/Cs5g344	5.66	0	0	2	MASCOT	T	PLEX8	
4.02E-02	0|0	Cs6g04000.1/Cs6g040	4.56	1	15.9	0	2	MASCOT	T	
1.46E-01	0|0	Cs6g04000.1/Cs6g040	5.84	0	0	2	MASCOT	T	PLEX8	
1.16E-01	0|0	Cs6g04000.1/Cs6g040	5.84	0	0	2	MASCOT	T	PLEX8	
6.64E-05	0|0	Cs6g05110.1/Cs6g051	4.37	0	0	2	MASCOT	T	PLEX8	
1.05E-02	0|0	Cs6g05110.1/Cs6g051	4.37	0	0	2	MASCOT	T	PLEX8	
1.34E-02	0|0	Cs2g01280.1/Cs2g012	6.09	0	0	2	MASCOT	T		
8.38E-02	0|0	Cs6g07040.1/Cs6g070	4.37	0	0	2	MASCOT	T	PLEX8	
8.50E-04	0|0	Cs6g07040.1/Cs6g070	4.37	0	0	2	MASCOT	T	PLEX8	
3.33E-01	0|0	Cs6g07040.1/Cs6g070	5.59	0	15.9	0	2	MASCOT	T	PLEX8
1.87E-02	0|0	Cs6g07550.1	4.21	0	0	2	MASCOT	T	PLEX8	
5.15E-01	0|0	Cs6g07550.1	4.21	0	0	2	MASCOT	T	PLEX8	
2.70E-04	0|0	Cs6g07550.1	4.37	0	0	2	MASCOT	T	PLEX8	

8.44E-02	0|0	Cs6g09310.1/Cs6g093	6	0	0	2	MASCOT	T	PLEX8	
1.76E-01	0|0	Cs6g09310.1/Cs6g093	8.64	0	0	2	MASCOT	T	PLEX8	
1.05E-01	0|0	Cs6g09310.1/Cs6g093	8.64	0	0	2	MASCOT	T	PLEX8	
6.52E-05	0|0	Cs6g11320.1	4.21	0	0	2	MASCOT	T	PLEX8	
6.53E-02	0|0	Cs6g11320.1	8.75	0	15.9	0	2	MASCOT	T	PLEX8
3.54E-02	0|0	Cs6g11320.1	8.75	0	0	2	MASCOT	T	PLEX8	
1.30E-01	0|0	Cs6g13950.1	6.05	0	0	2	MASCOT	T	PLEX8	
1.09E-01	0|0	Cs6g13950.1	6.05	0	0	2	MASCOT	T	PLEX8	
7.71E-02	0|0	Cs6g13950.1	8.22	1	0	2	MASCOT	T		
6.99E-02	0|0	Cs6g14030.1	6	0	0	2	MASCOT	T	PLEX8	
9.72E-04	0|0	Cs6g14030.1	6	0	0	2	MASCOT	T		
3.33E-01	0|0	Cs6g14030.1	8.72	0	0	2	MASCOT	T	PLEX8	
2.51E-03	0|0	Cs6g18590.1	3.42	0	0	2	MASCOT	T		
1.08E-02	0|0	Cs6g18590.1	5.84	0	0	2	MASCOT	T		
1.21E-01	0|0	Cs6g18590.1	5.84	0	0	2	MASCOT	T		
2.63E-02	0|0	Cs6g19770.1/Cs6g197	6	0	0	2	MASCOT	T	PLEX8	
2.93E-02	0|0	Cs6g19770.1/Cs6g197	6	0	0	2	MASCOT	T	PLEX8	
3.14E-01	0|0	Cs6g19770.1/Cs6g197	9.76	0	0	2	MASCOT	T	PLEX8	
4.40E-02	0|0	Cs6g20630.1/Cs6g206	6.46	0	0	2	MASCOT	T		
5.11E-03	0|0	Cs5g04260.1/Cs5g042	6.05	0	0	2	MASCOT	T	PLEX8	
4.47E-03	0|0	Cs5g04260.1/Cs5g042	6.05	0	0	2	MASCOT	T	PLEX8	
1.07E-01	0|0	Cs6g20640.1/Cs7g043	5.21	0	0	2	MASCOT	T		
8.41E-02	0|0	Cs6g20640.1/Cs7g043	5.21	0	0	2	MASCOT	T		
3.92E-03	0|0	Cs7g04320.1	5.55	0	0	2	MASCOT	T		
5.11E-03	0|0	Cs5g04260.1/Cs5g042	6.05	0	0	2	MASCOT	T	PLEX8	
4.47E-03	0|0	Cs5g04260.1/Cs5g042	6.05	0	0	2	MASCOT	T	PLEX8	
6.37E-02	0|0	Cs7g04330.1/Cs7g043	5.55	0	0	2	MASCOT	T		
5.36E-02	0|0	Cs7g04430.1	8.75	0	0	2	MASCOT	T	PLEX8	
1.99E-01	0|0	Cs7g04430.1	8.8	0	0	2	MASCOT	T	PLEX8	
1.73E-01	0|0	Cs7g04430.1	8.8	0	0	2	MASCOT	T	PLEX8	
7.66E-02	0|0	Cs7g05170.1	4.37	0	0	2	MASCOT	T	PLEX8	
3.18E-03	0|0	Cs7g05170.1	4.37	0	0	2	MASCOT	T	PLEX8	
4.77E-02	0|0	Cs4g17690.1/Cs7g051	5.66	0	0	2	MASCOT	T		
9.57E-02	0|0	Cs7g09930.1	4.21	0	0	2	MASCOT	T	PLEX8	
2.16E-01	0|0	Cs7g09930.1	8.47	0	0	2	MASCOT	T	PLEX8	
1.67E-02	0|0	Cs7g09930.1	8.47	0	0	2	MASCOT	T	PLEX8	
2.84E-02	0|0	Cs7g12920.1	8.72	0	0	2	MASCOT	T	PLEX8	
2.06E-02	0|0	Cs7g12920.1	5.55	0	0	2	MASCOT	T	PLEX8	
2.48E-01	0|0	Cs7g12920.1	5.55	0	0	2	MASCOT	T	PLEX8	
4.69E-01	0|0	Cs7g15890.1	5.55	0	0	2	MASCOT	T	PLEX8	
2.13E-02	0|0	Cs7g15890.1	8.73	0	0	2	MASCOT	T	PLEX8	
2.52E-01	0|0	Cs7g15890.1	8.73	0	0	2	MASCOT	T		
6.73E-03	0|0	Cs2g20100.1/Cs7g159	4.53	0	0	2	MASCOT	T	PLEX8	
2.15E-02	0|0	Cs7g15930.1	4.53	0	0	2	MASCOT	T	PLEX8	
5.19E-02	0|0	Cs7g15930.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.54E-01	0|0	Cs7g16040.1	6.1	0	0	2	MASCOT	T	PLEX8	
2.22E-02	0|0	Cs7g16040.1	6.1	0	0	2	MASCOT	T	PLEX8	
1.14E-03	0|0	Cs7g16040.1	4.37	0	0	2	MASCOT	T	PLEX8	
3.50E-02	0|0	Cs7g16820.1	8.75	0	0	2	MASCOT	T	PLEX8	
2.03E-02	0|0	Cs7g16820.1	8.75	0	0	2	MASCOT	T	PLEX8	
2.97E-01	0|0	Cs7g16820.1	5.84	0	0	2	MASCOT	T	PLEX8	

5.23E-01	0|0	Cs6g16010.1/Cs6g160	4.37	0	0	2	MASCOT	T	PLEX8	
2.59E-01	0|0	Cs7g17050.1/Cs7g170	6	0	0	2	MASCOT	T	PLEX8	
1.41E-01	0|0	Cs7g17050.1/Cs7g170	6	0	0	2	MASCOT	T	PLEX8	
7.41E-03	0|0	Cs7g17170.1/Cs7g171	9.76	0	0	2	MASCOT	T	PLEX8	
1.37E-04	0|0	Cs7g17170.1/Cs7g171	4.65	0	0	2	MASCOT	T	PLEX8	
1.35E-02	0|0	Cs7g17170.1/Cs7g171	4.65	0	0	2	MASCOT	T	PLEX8	
6.22E-03	0|0	Cs4g08590.1/Cs7g211	8.47	0	0	2	MASCOT	T	PLEX8	
4.41E-03	0|0	Cs4g08590.1/Cs7g211	8.47	0	0	2	MASCOT	T	PLEX8	
1.42E-03	0|0	Cs7g21100.1	4.56	0	0	2	MASCOT	T	PLEX8	
1.51E-02	0|0	Cs5g18790.1/Cs5g187	4.53	0	0	2	MASCOT	T	PLEX8	
5.82E-02	0|0	Cs5g18790.1/Cs5g187	4.53	0	0	2	MASCOT	T	PLEX8	
2.00E-01	0|0	Cs5g18790.1/Cs5g187	5.72	0	0	2	MASCOT	T	PLEX8	
2.77E-01	0|0	Cs7g29350.1/Cs7g293	4.53	0	0	2	MASCOT	T	PLEX8	
2.69E-01	0|0	Cs7g29350.1/Cs7g293	6.1	0	0	2	MASCOT	T	PLEX8	
5.77E-02	0|0	Cs7g29350.1/Cs7g293	6.1	0	0	2	MASCOT	T	PLEX8	
9.79E-02	0|0	Cs8g02570.1	6.75	0	0	2	MASCOT	T	PLEX8	
5.12E-03	0|0	Cs8g02570.1	9.41	0	0	2	MASCOT	T	PLEX8	
1.38E-02	0|0	Cs8g02570.1	9.41	0	0	2	MASCOT	T	PLEX8	
3.38E-03	0|0	Cs8g09390.1/orange1.	4.14	0	0	2	MASCOT	T	PLEX8	
4.74E-01	0|0	Cs4g14140.1/Cs8g093	9.76	0	0	2	MASCOT	T	PLEX8	
2.60E-01	0|0	Cs4g14140.1/Cs8g093	9.76	0	0	2	MASCOT	T	PLEX8	
3.99E-01	0|0	Cs5g09880.1 ! Cs8g09	4.53	0	0	2	MASCOT	T	PLEX8	
4.74E-01	0|0	Cs4g14140.1/Cs8g093	9.76	0	0	2	MASCOT	T	PLEX8	
2.60E-01	0|0	Cs4g14140.1/Cs8g093	9.76	0	0	2	MASCOT	T	PLEX8	
9.45E-03	0|0	Cs1g16250.1/Cs1g162	4.21	0	0	2	MASCOT	T	PLEX8	
1.40E-02	0|0	Cs1g16250.1/Cs1g162	5.66	0	0	2	MASCOT	T	PLEX8	
2.39E-02	0|0	Cs1g16250.1/Cs1g162	5.66	0	0	2	MASCOT	T	PLEX8	
9.33E-02	0|0	Cs8g10710.1	4.68	1	15.9	0	2	MASCOT	T	PLEX8
1.96E-02	0|0	Cs8g10710.1	4.14	0	0	2	MASCOT	T	PLEX8	
2.38E-04	0|0	Cs8g10710.1	4.14	0	0	2	MASCOT	T	PLEX8	
1.66E-01	0|0	Cs8g12150.1/Cs8g121	6.74	0	0	2	MASCOT	T	PLEX8	
1.77E-02	0|0	Cs8g12150.1/Cs8g121	6.74	0	0	2	MASCOT	T	PLEX8	
2.96E-01	0|0	Cs8g12150.1/Cs8g121	6.74	0	0	2	MASCOT	T	PLEX8	
5.57E-04	0|0	Cs8g07240.1/Cs8g072	5.84	0	0	2	MASCOT	T	PLEX8	
9.94E-02	0|0	Cs8g07240.1/Cs8g072	6	0	0	2	MASCOT	T	PLEX8	
9.68E-02	0|0	Cs8g07240.1/Cs8g072	6	0	0	2	MASCOT	T	PLEX8	
5.71E-02	0|0	Cs8g17860.1	8.75	0	0	2	MASCOT	T	PLEX8	
6.61E-02	0|0	Cs8g17860.1	8.72	0	0	2	MASCOT	T	PLEX8	
7.33E-02	0|0	Cs8g17860.1	8.72	0	0	2	MASCOT	T	PLEX8	
3.63E-01	0|0	Cs9g02390.2	9.76	0	0	2	MASCOT	T	PLEX8	
3.61E-01	0|0	Cs9g02390.2	9.76	0	0	2	MASCOT	T	PLEX8	
1.66E-01	0|0	Cs9g02390.1/Cs9g023	4.75	0	15.9	0	2	MASCOT	T	PLEX8
8.05E-02	0|0	Cs9g02500.1	5.84	0	0	2	MASCOT	T	PLEX8	
5.78E-06	0|0	Cs9g02500.1/orange1.	5.4	0	0	2	MASCOT	T	PLEX8	
4.63E-01	0|0	Cs9g02500.1/orange1.	5.4	0	0	2	MASCOT	T	PLEX8	
6.93E-02	0|0	Cs9g03390.1/Cs9g033	5.4	0	0	2	MASCOT	T	PLEX8	
8.11E-02	0|0	Cs9g03390.1/Cs9g033	5.4	0	0	2	MASCOT	T	PLEX8	
1.74E-02	0|0	Cs9g03390.1/Cs9g033	4.09	0	0	2	MASCOT	T	PLEX8	
2.94E-01	0|0	Cs9g04620.1/Cs9g046	4.53	0	0	2	MASCOT	T	PLEX8	
3.28E-02	0|0	Cs9g04620.1/Cs9g046	4.53	0	0	2	MASCOT	T	PLEX8	
2.88E-05	0|0	Cs5g32680.1/Cs5g326	4.53	0	0	2	MASCOT	T	PLEX8	

8.05E-04	0|0	Cs9g04960.2/Cs9g049	6.74	0	0	2	MASCOT	T	PLEX8	
1.29E-02	0|0	Cs9g04960.2/Cs9g049	6.74	0	0	2	MASCOT	T	PLEX8	
2.73E-01	0|0	Cs9g04960.2/Cs9g049	4.37	0	0	2	MASCOT	T	PLEX8	
5.39E-03	0|0	Cs9g05510.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.26E-03	0|0	Cs9g05510.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.70E-01	0|0	Cs9g05510.1	8.24	0	0	2	MASCOT	T	PLEX8	
2.80E-02	0|0	Cs9g06270.1/Cs9g062	5.5	0	0	2	MASCOT	T	PLEX8	
1.12E-01	0|0	Cs9g06270.1/Cs9g062	5.5	0	0	2	MASCOT	T	PLEX8	
1.10E-01	0|0	Cs9g06270.1/Cs9g062	8.59	0	0	2	MASCOT	T	PLEX8	
5.70E-02	0|0	Cs9g06450.1	4.65	0	0	2	MASCOT	T	PLEX8	
1.30E-02	0|0	Cs9g06450.1	4.65	0	0	2	MASCOT	T	PLEX8	
2.32E-01	0|0	Cs9g06450.1	7.98	0	0	2	MASCOT	T	PLEX8	
2.72E-03	0|0	Cs5g27810.1/orange1.	4.25	0	0	2	MASCOT	T	PLEX8	
2.97E-02	0|0	Cs9g11530.1	4.53	0	0	2	MASCOT	T		
1.29E-01	0|0	Cs9g11530.1	4.53	0	0	2	MASCOT	T		
1.84E-03	0|0	Cs9g12440.1/Cs9g124	4.31	0	0	2	MASCOT	T	PLEX8	
4.47E-01	0|0	Cs9g12440.1/Cs9g124	6.92	0	0	2	MASCOT	T	PLEX8	
7.34E-02	0|0	Cs9g12440.1/Cs9g124	6.92	0	0	2	MASCOT	T	PLEX8	
3.97E-02	0|0	Cs2g22300.1/Cs3g021	8.75	0	0	2	MASCOT	T	PLEX8	
3.72E-01	0|0	Cs2g22300.1/Cs3g021	8.75	0	0	2	MASCOT	T	PLEX8	
2.51E-01	0|0	Cs2g22300.1/Cs3g021	4.53	0	0	2	MASCOT	T	PLEX8	
1.23E-03	0|0	gi|113952625	4.54	0	15.9	0	2	MASCOT	T	PLEX8
8.46E-02	0|0	gi|113952625	4.54	0	0	2	MASCOT	T		
1.84E-01	0|0	gi|113952625	8.75	0	0	2	MASCOT	T	PLEX8	
3.11E-02	0|0	gi|113952680	8.59	0	0	2	MASCOT	T	PLEX8	
4.81E-03	0|0	gi|113952680	6.92	0	0	2	MASCOT	T	PLEX8	
2.02E-03	0|0	gi|113952680	6.92	0	0	2	MASCOT	T	PLEX8	
5.51E-03	0|0	orange1.1t00006.1	8.27	0	0	2	MASCOT	T	PLEX8	
4.51E-03	0|0	orange1.1t00006.1	6.75	0	0	2	MASCOT	T	PLEX8	
3.06E-01	0|0	orange1.1t00006.1	6.75	0	0	2	MASCOT	T	PLEX8	
5.76E-04	0|0	orange1.1t00149.1/ora	6.75	0	0	2	MASCOT	T	PLEX8	
3.75E-02	0|0	orange1.1t00149.1/ora	5.38	0	0	2	MASCOT	T	PLEX8	
7.46E-03	0|0	orange1.1t00149.1/ora	5.38	0	0	2	MASCOT	T	PLEX8	
7.16E-05	0|0	orange1.1t00195.1/ora	6.75	0	0	2	MASCOT	T	PLEX8	
6.35E-03	0|0	orange1.1t00195.1/ora	5.84	1	0	2	MASCOT	T	PLEX8	
1.39E-02	0|0	orange1.1t00195.1/ora	5.84	1	0	2	MASCOT	T		
2.44E-01	0|0	orange1.1t00196.1	8.75	0	0	2	MASCOT	T	PLEX8	
3.45E-02	0|0	orange1.1t00196.1	4.14	0	0	2	MASCOT	T	PLEX8	
2.58E-01	0|0	orange1.1t00196.1	4.14	0	0	2	MASCOT	T	PLEX8	
2.00E-04	0|0	Cs8g09850.1/Cs8g099	5.32	0	0	2	MASCOT	T	PLEX8	
9.30E-02	0|0	Cs8g09850.1/Cs8g099	5.32	0	0	2	MASCOT	T		
5.29E-02	0|0	orange1.1t00235.1/ora	5.8	0	0	2	MASCOT	T	PLEX8	
9.61E-02	0|0	Cs1g24330.1/Cs1g243	6.85	0	0	2	MASCOT	T	PLEX8	
1.59E-01	0|0	Cs5g25050.1/orange1.	4.03	0	0	2	MASCOT	T	PLEX8	
1.61E-01	0|0	Cs5g25050.1/orange1.	4.03	0	0	2	MASCOT	T	PLEX8	
5.28E-03	0|0	orange1.1t01602.1	5.83	0	0	2	MASCOT	T	PLEX8	
9.58E-03	0|0	orange1.1t01602.1	5.83	0	0	2	MASCOT	T		
1.80E-02	0|0	orange1.1t01602.1	4.03	0	0	2	MASCOT	T	PLEX8	
3.40E-05	0|0	orange1.1t02538.1/ora	4.03	0	0	2	MASCOT	T	PLEX8	
1.20E-04	0|0	orange1.1t02538.1/ora	4.03	0	0	2	MASCOT	T		
5.85E-03	0|0	orange1.1t02538.1/ora	6	0	0	2	MASCOT	T	PLEX8	

1.72E-01	0|0	Cs1g02660.1/Cs1g026	8.3	0	0	2	MASCOT	T	PLEX8	
2.17E-03	0|0	Cs1g02660.1/Cs1g026	4.21	0	0	2	MASCOT	T	PLEX8	
8.82E-03	0|0	Cs1g06850.1/Cs1g068	6.85	0	0	2	MASCOT	T	PLEX8	
9.84E-02	0|0	Cs1g06850.1/Cs1g068	4.21	0	0	2	MASCOT	T	PLEX8	
2.20E-02	0|0	Cs1g08140.1/Cs1g081	5.88	0	0	2	MASCOT	T	PLEX8	
1.75E-01	0|0	Cs1g08140.1	5.84	0	0	2	MASCOT	T	PLEX8	
4.60E-02	0|0	Cs1g08540.1/Cs1g085	5.55	0	0	2	MASCOT	T		
2.26E-02	0|0	Cs1g08540.1/Cs1g085	6	0	0	2	MASCOT	T	PLEX8	
7.43E-02	0|0	Cs1g12830.1/Cs1g128	4.65	0	15.9	0	2	MASCOT	T	PLEX8
2.12E-01	0|0	Cs1g12830.1/Cs1g128	6.1	0	0	2	MASCOT	T	PLEX8	
6.66E-03	0|0	Cs1g15190.1	9.47	0	0	2	MASCOT	T		
1.59E-01	0|0	Cs1g15190.1	5.66	0	0	2	MASCOT	T	PLEX8	
1.66E-02	0|0	Cs1g15270.1	6	0	0	2	MASCOT	T	PLEX8	
3.13E-03	0|0	Cs1g15270.1	5.83	0	0	2	MASCOT	T	PLEX8	
9.37E-02	0|0	Cs1g15540.1/Cs1g155	4.14	0	0	2	MASCOT	T	PLEX8	
1.81E-01	0|0	Cs1g15540.1/Cs1g155	6.74	0	0	2	MASCOT	T		
2.82E-01	0|0	Cs1g19780.1	8.19	0	0	2	MASCOT	T	PLEX8	
4.74E-03	0|0	Cs1g19780.1	6.74	0	0	2	MASCOT	T	PLEX8	
4.71E-02	0|0	Cs1g19820.1	5.84	0	0	2	MASCOT	T	PLEX8	
1.86E-01	0|0	Cs1g19820.1	4.21	0	0	2	MASCOT	T	PLEX8	
2.28E-01	0|0	Cs1g21450.1	9.8	0	0	2	MASCOT	T	PLEX8	
4.71E-02	0|0	Cs1g21450.1	6.75	0	0	2	MASCOT	T	PLEX8	
2.02E-01	0|0	Cs1g22790.1/Cs1g227	5.18	0	0	2	MASCOT	T	PLEX8	
1.95E-03	0|0	Cs1g22790.1	6.89	0	0	2	MASCOT	T		
2.53E-02	0|0	Cs1g22900.1	6.79	0	0	2	MASCOT	T	PLEX8	
1.87E-01	0|0	Cs1g22900.1	5.84	0	0	2	MASCOT	T		
6.39E-02	0|0	Cs1g22940.1/Cs1g229	4.37	0	0	2	MASCOT	T		
6.96E-02	0|0	Cs1g22940.1/Cs1g229	5.84	0	0	2	MASCOT	T		
9.93E-02	0|0	Cs1g25190.1	4.37	0	0	2	MASCOT	T	PLEX8	
9.85E-02	0|0	Cs1g25190.1	8.8	0	0	2	MASCOT	T	PLEX8	
2.86E-01	0|0	Cs1g25510.1/Cs1g255	7.89	0	0	2	MASCOT	T	PLEX8	
5.31E-03	0|0	Cs1g25510.1/Cs1g255	4.53	0	0	2	MASCOT	T	PLEX8	
5.94E-02	0|0	Cs1g26450.1	6.74	0	0	2	MASCOT	T		
4.25E-02	0|0	Cs1g26450.1	6.91	0	0	2	MASCOT	T		
8.18E-03	0|0	Cs1g26810.1	5.55	0	0	2	MASCOT	T		
7.35E-04	0|0	Cs1g26810.1	6.72	0	0	2	MASCOT	T	PLEX8	
1.16E-02	0|0	Cs2g01510.1/Cs2g015	4.21	0	0	2	MASCOT	T	PLEX8	
9.21E-05	0|0	Cs2g01510.1/Cs2g015	5.66	0	0	2	MASCOT	T	PLEX8	
3.50E-02	0|0	Cs2g02460.1	8.3	0	0	2	MASCOT	T	PLEX8	
1.05E-02	0|0	Cs2g02460.1	4.31	0	0	2	MASCOT	T		
4.26E-06	0|0	Cs2g02720.1	4.4	0	0	2	MASCOT	T	PLEX8	
2.25E-01	0|0	Cs2g02720.1	5.4	0	0	2	MASCOT	T	PLEX8	
8.16E-02	0|0	Cs2g03360.1/Cs2g033	4.53	0	0	2	MASCOT	T	PLEX8	
9.39E-02	0|0	Cs2g03360.1/Cs2g033	5.84	0	0	2	MASCOT	T	PLEX8	
1.37E-01	0|0	Cs2g03780.1/Cs2g196	6	0	0	2	MASCOT	T	PLEX8	
8.95E-02	0|0	Cs2g03780.1	5.4	0	0	2	MASCOT	T	PLEX8	
1.41E-01	0|0	Cs2g03870.1	4.37	0	0	2	MASCOT	T	PLEX8	
2.27E-02	0|0	Cs2g03870.1	5.72	0	0	2	MASCOT	T	PLEX8	
1.11E-02	0|0	Cs2g04050.1/Cs2g040	5.4	0	0	2	MASCOT	T	PLEX8	
1.30E-01	0|0	Cs2g04050.1/Cs2g040	5.97	0	0	2	MASCOT	T	PLEX8	
2.65E-02	0|0	Cs2g04620.1	4.37	0	0	2	MASCOT	T	PLEX8	

2.22E-03	0|0	Cs2g04620.1	5.97	0	0	0	2	MASCOT	T	
1.56E-02	0|0	Cs2g05470.1/Cs2g054	6.75	0	0	0	2	MASCOT	T	PLEX8
6.60E-02	0|0	Cs2g05470.1/Cs2g054	6.05	0	0	0	2	MASCOT	T	PLEX8
2.07E-01	0|0	Cs2g06050.1	5.4	0	0	0	2	MASCOT	T	PLEX8
1.88E-03	0|0	Cs2g06050.1	5.4	0	0	0	2	MASCOT	T	PLEX8
1.99E-03	0|0	Cs2g07620.1	6.85	0	0	0	2	MASCOT	T	PLEX8
5.34E-04	0|0	Cs2g07620.1	5.32	0	0	0	2	MASCOT	T	PLEX8
5.66E-04	0|0	Cs2g10420.1/Cs2g104	5.84	0	0	0	2	MASCOT	T	
2.03E-01	0|0	Cs2g10420.1/Cs2g104	5.55	0	0	0	2	MASCOT	T	PLEX8
5.55E-02	0|0	Cs9g10140.1/Cs9g101	5.84	0	0	0	2	MASCOT	T	PLEX8
3.66E-01	0|0	Cs2g11470.1/Cs2g114	9.75	0	0	0	2	MASCOT	T	
2.37E-01	0|0	Cs2g13080.1/Cs2g130	5.84	0	0	0	2	MASCOT	T	PLEX8
1.20E-01	0|0	Cs2g13080.1/Cs2g130	4.53	0	0	0	2	MASCOT	T	
1.05E-03	0|0	Cs2g14630.1/Cs2g146	3.95	1	0	0	2	MASCOT	T	PLEX8
1.18E-01	0|0	Cs2g14630.1/Cs2g146	4.37	0	0	0	2	MASCOT	T	
8.31E-04	0|0	Cs2g16010.1/Cs2g160	6.05	0	0	0	2	MASCOT	T	PLEX8
5.41E-04	0|0	Cs2g16010.1/Cs2g160	8.75	0	0	0	2	MASCOT	T	PLEX8
1.70E-02	0|0	Cs2g19940.1	5.4	0	0	0	2	MASCOT	T	PLEX8
5.70E-02	0|0	Cs2g19940.1	5.32	0	0	0	2	MASCOT	T	PLEX8
1.19E-01	0|0	Cs2g21530.1/Cs2g215	6	0	0	0	2	MASCOT	T	
1.11E-01	0|0	Cs2g21530.1/Cs2g215	4.53	0	0	0	2	MASCOT	T	PLEX8
3.77E-02	0|0	Cs2g24810.1	6.75	0	0	0	2	MASCOT	T	
8.16E-03	0|0	Cs2g24810.1 ! Cs4g08	8.76	0	0	0	2	MASCOT	T	PLEX8
3.76E-01	0|0	Cs2g26630.1/Cs5g043	6	0	0	0	2	MASCOT	T	PLEX8
1.03E-02	0|0	Cs2g26630.1	4.21	0	0	0	2	MASCOT	T	PLEX8
3.47E-03	0|0	Cs2g27980.1	6	0	0	0	2	MASCOT	T	PLEX8
1.70E-01	0|0	Cs2g27980.1	6.75	0	0	0	2	MASCOT	T	
7.91E-02	0|0	Cs2g28690.1/Cs2g286	8.59	0	0	0	2	MASCOT	T	PLEX8
1.29E-01	0|0	Cs2g28690.1/Cs2g286	8.41	0	0	0	2	MASCOT	T	PLEX8
3.51E-03	0|0	Cs2g29390.1	4	0	0	0	2	MASCOT	T	
3.24E-02	0|0	Cs2g29390.1	12	1	0	0	2	MASCOT	T	
6.86E-02	0|0	Cs2g30210.1/Cs2g302	4.37	0	0	0	2	MASCOT	T	
1.36E-02	0|0	Cs2g30210.1/Cs2g302	6.41	0	0	0	2	MASCOT	T	PLEX8
7.96E-02	0|0	Cs3g01610.1	4.14	0	0	0	2	MASCOT	T	PLEX8
1.73E-04	0|0	Cs3g01610.1	8.72	0	0	0	2	MASCOT	T	PLEX8
7.56E-03	0|0	Cs3g03070.1/Cs3g030	5.88	0	0	0	2	MASCOT	T	PLEX8
1.21E-03	0|0	Cs3g03070.1/Cs3g030	4.13	0	0	0	2	MASCOT	T	
4.06E-01	0|0	Cs3g03840.1	6.75	0	0	0	2	MASCOT	T	PLEX8
4.94E-02	0|0	Cs3g03840.1	9.73	0	0	0	2	MASCOT	T	PLEX8
3.59E-05	0|0	Cs3g06360.1	5.88	0	0	0	2	MASCOT	T	
4.54E-01	0|0	Cs3g06360.1	8.75	0	0	0	2	MASCOT	T	PLEX8
2.54E-01	0|0	Cs3g13760.1/Cs3g137	6.8	0	0	0	2	MASCOT	T	
1.19E-02	0|0	Cs3g13760.1/Cs3g137	4.25	0	0	0	2	MASCOT	T	PLEX8
2.22E-01	0|0	Cs3g14820.1/Cs3g148	4.25	0	0	0	2	MASCOT	T	PLEX8
7.46E-04	0|0	Cs3g14820.1/Cs3g148	4.23	0	0	0	2	MASCOT	T	PLEX8
3.21E-03	0|0	Cs3g17550.1	5.5	0	0	0	2	MASCOT	T	
6.81E-02	0|0	Cs3g17550.1	8.72	0	0	0	2	MASCOT	T	PLEX8
5.76E-02	0|0	Cs3g17570.1/Cs3g175	5.88	0	0	0	2	MASCOT	T	
1.68E-02	0|0	Cs3g17570.1/Cs3g175	8.5	0	0	0	2	MASCOT	T	
7.25E-03	0|0	Cs3g18880.1/Cs3g188	5.21	0	0	0	2	MASCOT	T	PLEX8
5.24E-01	0|0	Cs3g18880.1/Cs3g188	8.76	0	0	0	2	MASCOT	T	PLEX8

1.17E-02	0|0	Cs3g19470.1/Cs3g194	6.74	0	0	2	MASCOT	T	PLEX8
5.68E-02	0|0	Cs3g19470.1/Cs3g194	6	0	0	2	MASCOT	T	
1.67E-01	0|0	Cs3g22800.1	4.53	0	0	2	MASCOT	T	PLEX8
7.12E-04	0|0	Cs3g22800.1	5.08	0	0	2	MASCOT	T	PLEX8
2.06E-01	0|0	Cs3g22840.1	4.53	0	0	2	MASCOT	T	PLEX8
3.86E-02	0|0	Cs3g22840.1	4.32	1	0	2	MASCOT	T	PLEX8
8.78E-02	0|0	Cs3g23770.1	5.81	0	0	2	MASCOT	T	PLEX8
8.93E-04	0|0	Cs3g23770.1	5.88	0	0	2	MASCOT	T	
2.70E-01	0|0	Cs3g24180.1	6.75	0	0	2	MASCOT	T	PLEX8
2.39E-02	0|0	Cs3g24180.1	8.79	0	0	2	MASCOT	T	PLEX8
1.45E-01	0|0	Cs3g24240.2/Cs3g242	6.05	0	0	2	MASCOT	T	PLEX8
4.81E-02	0|0	Cs3g24240.2/Cs3g242	8.59	0	0	2	MASCOT	T	PLEX8
1.25E-02	0|0	Cs3g24510.1/Cs3g245	8.75	0	0	2	MASCOT	T	PLEX8
1.33E-02	0|0	Cs3g24510.1/Cs3g245	4.37	0	0	2	MASCOT	T	PLEX8
7.81E-03	0|0	Cs3g25430.1	4.54	0	0	2	MASCOT	T	PLEX8
1.42E-01	0|0	Cs3g25430.1	8.59	0	0	2	MASCOT	T	PLEX8
4.10E-02	0|0	Cs3g25780.1/Cs5g259	6.75	0	0	2	MASCOT	T	PLEX8
2.37E-02	0|0	Cs3g25780.1 ! Cs4g09	4.21	0	0	2	MASCOT	T	PLEX8
5.32E-02	0|0	Cs4g01970.1/Cs4g019	4.37	0	0	2	MASCOT	T	PLEX8
6.01E-02	0|0	Cs4g01970.1/Cs4g019	5.84	0	0	2	MASCOT	T	PLEX8
1.02E-01	0|0	Cs4g02960.1/Cs4g029	5.4	0	0	2	MASCOT	T	
1.06E-01	0|0	Cs4g02960.1/Cs4g029	6	0	0	2	MASCOT	T	PLEX8
2.12E-02	0|0	Cs4g08980.1	8.41	0	0	2	MASCOT	T	PLEX8
1.05E-01	0|0	Cs4g08980.1	6.75	0	0	2	MASCOT	T	
2.66E-03	0|0	Cs4g09010.1	8.75	0	0	2	MASCOT	T	PLEX8
2.37E-02	0|0	Cs3g25780.1 ! Cs4g09	4.21	0	0	2	MASCOT	T	PLEX8
2.23E-01	0|0	Cs4g10900.1 ! Cs4g10	6.41	0	0	2	MASCOT	T	PLEX8
3.24E-01	0|0	Cs4g10860.1/Cs4g109	8.75	0	0	2	MASCOT	T	PLEX8
3.02E-03	0|0	Cs4g13220.1/Cs4g132	3.93	0	0	2	MASCOT	T	PLEX8
7.84E-02	0|0	Cs4g13220.1/Cs4g132	4.25	0 15.9	0	2	MASCOT	T	PLEX8
8.55E-02	0|0	Cs4g13470.1/Cs4g134	6	0	0	2	MASCOT	T	PLEX8
5.26E-02	0|0	Cs4g13470.1/Cs4g134	4.53	0	0	2	MASCOT	T	PLEX8
2.02E-04	0|0	Cs4g13510.1	4.75	0	0	2	MASCOT	T	PLEX8
3.62E-03	0|0	Cs4g13510.1	5.32	0	0	2	MASCOT	T	PLEX8
2.03E-01	0|0	Cs4g13930.1	8.57	0	0	2	MASCOT	T	
9.06E-02	0|0	Cs4g13930.1	4.75	0	0	2	MASCOT	T	PLEX8
3.43E-02	0|0	Cs4g14970.1	6.74	0	0	2	MASCOT	T	
1.92E-03	0|0	Cs4g14970.1	6.07	1	0	2	MASCOT	T	PLEX8
7.42E-05	0|0	Cs4g16260.1/Cs4g162	4.37	0	0	2	MASCOT	T	PLEX8
2.04E-01	0|0	Cs4g16260.1/orange1.	4.68	0	0	2	MASCOT	T	PLEX8
7.42E-05	0|0	Cs4g16260.1/Cs4g162	4.37	0	0	2	MASCOT	T	PLEX8
3.91E-02	0|0	Cs4g16270.1/orange1.	4.03	0	0	2	MASCOT	T	
2.80E-03	0|0	Cs4g18700.1/Cs4g187	4.21	0	0	2	MASCOT	T	
3.03E-01	0|0	Cs4g18700.1/Cs4g187	5.66	0	0	2	MASCOT	T	PLEX8
1.03E-01	0|0	Cs5g01110.1/Cs5g011	8.75	0	0	2	MASCOT	T	PLEX8
2.32E-02	0|0	Cs5g01110.1/Cs5g011	6.75	0	0	2	MASCOT	T	PLEX8
1.72E-01	0|0	Cs5g02780.1/Cs5g027	4.03	0	0	2	MASCOT	T	
3.50E-03	0|0	Cs5g02780.1/Cs5g027	4.25	0	0	2	MASCOT	T	PLEX8
1.57E-02	0|0	Cs5g05430.1	5.88	0	0	2	MASCOT	T	PLEX8
1.89E-02	0|0	Cs5g05430.1	4	0	0	2	MASCOT	T	PLEX8
8.43E-02	0|0	Cs5g05650.1/Cs5g056	4.53	0	0	2	MASCOT	T	

1.42E-02	0|0	Cs5g05650.1/Cs5g056	5.97	0	0	2	MASCOT	T	
2.18E-01	0|0	Cs5g06830.2	9.73	0	0	2	MASCOT	T	PLEX8
3.97E-02	0|0	Cs5g06830.1 ! Cs5g06	6.04	0	0	2	MASCOT	T	PLEX8
1.17E-01	0|0	Cs5g07150.1/Cs5g071	4.37	0	0	2	MASCOT	T	PLEX8
1.69E-01	0|0	Cs5g07150.1/Cs5g071	4.03	0	0	2	MASCOT	T	PLEX8
8.11E-02	0|0	Cs5g11460.1	8.75	0	0	2	MASCOT	T	PLEX8
2.27E-03	0|0	Cs5g11460.1	4	0	0	2	MASCOT	T	
1.59E-03	0|0	Cs5g12440.1/Cs5g124	6	0	0	2	MASCOT	T	PLEX8
1.86E-01	0|0	Cs5g12440.1/Cs5g124	9.75	0	0	2	MASCOT	T	PLEX8
2.49E-01	0|0	Cs5g10110.1 ! Cs5g13	4.53	0	0	2	MASCOT	T	PLEX8
3.97E-01	0|0	Cs5g13300.1/Cs5g133	4.53	0	0	2	MASCOT	T	PLEX8
5.97E-06	0|0	Cs5g16100.1/Cs5g161	4.25	0	0	2	MASCOT	T	PLEX8
2.64E-01	0|0	Cs5g16100.1/Cs5g161	6.74	0	0	2	MASCOT	T	PLEX8
8.49E-02	0|0	Cs1g13260.1/Cs1g132	6.74	0	0	2	MASCOT	T	
1.45E-06	0|0	Cs5g17270.1	3.92	0	0	2	MASCOT	T	
1.92E-01	0|0	Cs5g20800.1	8.8	0	0	2	MASCOT	T	PLEX8
2.69E-02	0|0	Cs5g20800.1	5.32	0	0	2	MASCOT	T	PLEX8
1.89E-01	0|0	Cs5g20950.1/Cs5g209	6.92	0	0	2	MASCOT	T	
3.26E-01	0|0	Cs5g20950.2/Cs5g209	4.78	0	0	2	MASCOT	T	
2.11E-03	0|0	Cs5g25190.1/Cs5g251	5.4	0	0	2	MASCOT	T	PLEX8
1.26E-01	0|0	Cs5g25190.1/Cs5g251	9.41	0	0	2	MASCOT	T	PLEX8
1.28E-02	0|0	Cs5g25880.1/Cs5g259	4.21	0	0	2	MASCOT	T	PLEX8
2.23E-03	0|0	Cs5g25880.1	4.31	0	0	2	MASCOT	T	PLEX8
4.10E-02	0|0	Cs3g25780.1/Cs5g259	6.75	0	0	2	MASCOT	T	PLEX8
1.28E-02	0|0	Cs5g25880.1/Cs5g259	4.21	0	0	2	MASCOT	T	PLEX8
4.35E-03	0|0	Cs5g27940.1	8.8	0	0	2	MASCOT	T	PLEX8
1.05E-01	0|0	Cs5g27940.1 ! Cs5g27	4.21	0	0	2	MASCOT	T	PLEX8
6.40E-02	0|0	Cs5g30520.1 ! Cs6g13	9.8	0	0	2	MASCOT	T	PLEX8
5.81E-02	0|0	Cs5g30520.1/Cs9g078	4.37	0	0	2	MASCOT	T	PLEX8
5.22E-01	0|0	Cs5g31700.1/Cs5g317	4.54	0	0	2	MASCOT	T	PLEX8
3.77E-03	0|0	Cs5g31700.1/Cs5g317	3.98	0	0	2	MASCOT	T	PLEX8
1.34E-04	0|0	Cs5g33720.1	4.31	0	0	2	MASCOT	T	
5.55E-02	0|0	Cs5g33720.1	4.65	0	0	2	MASCOT	T	PLEX8
1.60E-01	0|0	Cs5g23200.1/Cs6g035	5.84	0	0	2	MASCOT	T	PLEX8
3.19E-01	0|0	Cs5g23200.1/Cs6g035	6.75	0	0	2	MASCOT	T	PLEX8
2.17E-03	0|0	Cs3g09200.1/Cs6g047	6.74	0	0	2	MASCOT	T	PLEX8
4.33E-02	0|0	Cs3g09200.1/Cs6g047	8.31	0	0	2	MASCOT	T	PLEX8
9.61E-02	0|0	Cs1g24330.1/Cs1g243	6.85	0	0	2	MASCOT	T	PLEX8
2.95E-01	0|0	Cs6g05740.1	6.41	0	0	2	MASCOT	T	PLEX8
3.25E-04	0|0	Cs6g05950.1/Cs7g288	4.14	0	0	2	MASCOT	T	PLEX8
1.16E-02	0|0	Cs6g05950.1/Cs7g288	9.75	0	0	2	MASCOT	T	PLEX8
2.09E-04	0|0	Cs6g07490.1	4.14	0	0	2	MASCOT	T	PLEX8
1.57E-02	0|0	Cs6g07490.1	8.75	0	0	2	MASCOT	T	PLEX8
3.12E-04	0|0	Cs6g07600.3/Cs6g076	4.53	0	0	2	MASCOT	T	
1.71E-02	0|0	Cs6g07600.3/Cs6g076	5.08	0	0	2	MASCOT	T	
3.60E-02	0|0	Cs6g07870.1/Cs6g078	4.37	0	0	2	MASCOT	T	PLEX8
9.13E-02	0|0	Cs6g07870.1/Cs6g078	8.72	0	0	2	MASCOT	T	PLEX8
1.72E-02	0|0	Cs6g08400.1/Cs6g084	4.65	0	0	2	MASCOT	T	PLEX8
1.22E-02	0|0	Cs6g08400.1/Cs6g084	4	0	0	2	MASCOT	T	PLEX8
3.24E-02	0|0	Cs6g08440.1	5.84	0	0	2	MASCOT	T	PLEX8
5.20E-02	0|0	Cs6g08440.1	9.75	0	0	2	MASCOT	T	PLEX8

1.56E-01 0|0	Cs6g08710.1/Cs6g087	4.11	0	0	2	MASCOT	T	
4.53E-02 0|0	Cs6g08710.1/Cs6g087	6	0	0	2	MASCOT	T	PLEX8
3.40E-02 0|0	Cs6g10670.1/Cs6g106	6.75	0	0	2	MASCOT	T	PLEX8
2.07E-04 0|0	Cs6g10670.1/Cs6g106	5.21	0	0	2	MASCOT	T	PLEX8
2.47E-03 0|0	Cs6g14550.1	4.75	0	0	2	MASCOT	T	
2.56E-01 0|0	Cs6g14550.1 ! Cs5g30	6	0	0	2	MASCOT	T	PLEX8
9.10E-03 0|0	Cs6g17710.1	5.4	0	0	2	MASCOT	T	PLEX8
1.43E-02 0|0	Cs6g17710.1/Cs6g177	4.37	0	0	2	MASCOT	T	
3.08E-02 0|0	Cs6g18870.1/Cs6g188	4.25	0	0	2	MASCOT	T	PLEX8
1.80E-02 0|0	Cs6g18870.1/Cs6g188	4.03	0	0	2	MASCOT	T	
2.15E-01 0|0	Cs6g19560.1	4.65	0	0	2	MASCOT	T	PLEX8
3.88E-01 0|0	Cs6g19560.1	4.4	0	0	2	MASCOT	T	
3.44E-02 0|0	Cs6g21230.1	6.73	0	0	2	MASCOT	T	PLEX8
1.34E-06 0|0	Cs6g21230.1	4.75	0	0	2	MASCOT	T	
3.57E-02 0|0	Cs6g21610.1/Cs6g216	4.37	0	0	2	MASCOT	T	PLEX8
3.57E-03 0|0	Cs6g21610.1/Cs6g216	5.99	0	0	2	MASCOT	T	PLEX8
2.07E-01 0|0	Cs6g21870.1/Cs6g218	6.74	0	0	2	MASCOT	T	PLEX8
2.86E-02 0|0	Cs6g21870.1/Cs6g218	8.72	0	0	2	MASCOT	T	PLEX8
2.13E-03 0|0	Cs6g22070.1	4.37	0	0	2	MASCOT	T	PLEX8
1.71E-01 0|0	Cs5g11590.1/Cs5g115	4.21	0	0	2	MASCOT	T	PLEX8
5.99E-02 0|0	Cs6g22370.1	6.72	0	0	2	MASCOT	T	PLEX8
3.93E-02 0|0	Cs6g22370.1	8.8	0	0	2	MASCOT	T	
1.78E-02 0|0	Cs7g02960.1	4.37	0	0	2	MASCOT	T	
2.48E-02 0|0	Cs7g02960.1	4.53	0	0	2	MASCOT	T	PLEX8
3.05E-03 0|0	Cs7g03270.1	4.03	0	0	2	MASCOT	T	
1.22E-01 0|0	Cs7g03270.1	9.75	0	0	2	MASCOT	T	
2.61E-02 0|0	Cs7g03440.1	4.68	1	0	2	MASCOT	T	PLEX8
2.51E-01 0|0	Cs7g03440.1	5.99	0	0	2	MASCOT	T	
1.46E-02 0|0	Cs7g03930.1	4.37	0	0	2	MASCOT	T	
6.42E-02 0|0	Cs7g03930.1	4.53	0	0	2	MASCOT	T	PLEX8
6.83E-03 0|0	Cs7g05950.1	4.03	0	0	2	MASCOT	T	
7.94E-02 0|0	Cs7g05950.1	6.72	0	0	2	MASCOT	T	PLEX8
5.95E-03 0|0	Cs7g07180.1/Cs7g071	4.14	0	0	2	MASCOT	T	PLEX8
3.55E-02 0|0	Cs7g07180.1/Cs7g071	4.37	0	0	2	MASCOT	T	PLEX8
1.62E-01 0|0	Cs7g07440.1	5.81	0	0	2	MASCOT	T	PLEX8
1.09E-01 0|0	Cs7g07440.1	4.21	0	0	2	MASCOT	T	
4.99E-02 0|0	Cs7g08340.1/Cs7g083	4.03	0	0	2	MASCOT	T	
3.18E-02 0|0	Cs7g08340.1/Cs7g083	6	0	0	2	MASCOT	T	
8.07E-02 0|0	Cs7g09120.1	8.76	0	0	2	MASCOT	T	PLEX8
1.32E-01 0|0	Cs7g09120.1	5.72	0	0	2	MASCOT	T	PLEX8
2.25E-02 0|0	Cs7g10710.1	3.93	0	0	2	MASCOT	T	
3.61E-02 0|0	Cs7g10710.1	6.79	0	0	2	MASCOT	T	PLEX8
8.01E-02 0|0	Cs7g14000.1	4.03	0	0	2	MASCOT	T	
5.64E-03 0|0	Cs7g14000.1/Cs7g140	4	0	0	2	MASCOT	T	PLEX8
4.70E-05 0|0	Cs7g14490.1	9.75	0	0	2	MASCOT	T	
1.55E-01 0|0	Cs7g14490.1	8.22	0	0	2	MASCOT	T	
3.45E-02 0|0	Cs7g14530.1	7.96	0	0	2	MASCOT	T	PLEX8
1.33E-02 0|0	Cs7g14530.1	5.52	0	0	2	MASCOT	T	
1.36E-03 0|0	Cs7g15980.1	8.47	0	0	2	MASCOT	T	PLEX8
7.52E-02 0|0	Cs7g15980.1	6.41	0	0	2	MASCOT	T	PLEX8
3.97E-01 0|0	Cs5g13300.1/Cs5g133	4.53	0	0	2	MASCOT	T	PLEX8

1.66E-01	0|0	Cs5g10110.1/Cs7g169	4.37	0	0	2	MASCOT	T	PLEX8
9.00E-02	0|0	Cs7g18780.1	5.81	0	0	2	MASCOT	T	PLEX8
4.37E-02	0|0	Cs7g18780.1	4.03	0	0	2	MASCOT	T	PLEX8
1.58E-02	0|0	Cs7g21180.1/Cs7g212	5.72	0	0	2	MASCOT	T	PLEX8
1.81E-02	0|0	Cs7g21200.1	8.41	0	0	2	MASCOT	T	
2.78E-01	0|0	Cs7g21910.1/Cs7g219	8.76	0	0	2	MASCOT	T	PLEX8
1.62E-02	0|0	Cs7g21910.1/Cs7g219	4.37	0	0	2	MASCOT	T	PLEX8
1.06E-02	0|0	Cs7g24750.1	6.79	0	0	2	MASCOT	T	PLEX8
1.68E-01	0|0	Cs7g24750.1	4.53	0	0	2	MASCOT	T	PLEX8
1.70E-01	0|0	Cs7g28200.1	5.81	0	0	2	MASCOT	T	PLEX8
5.03E-02	0|0	Cs7g28200.1/Cs8g178	8.75	0	0	2	MASCOT	T	
2.48E-02	0|0	Cs7g28620.1/Cs7g286	6	0	0	2	MASCOT	T	PLEX8
8.22E-03	0|0	Cs7g28620.1/Cs7g286	4.14	0	0	2	MASCOT	T	
6.22E-02	0|0	Cs7g28810.1/Cs8g180	8.34	0	0	2	MASCOT	T	PLEX8
1.93E-01	0|0	Cs7g28810.1	6	0	0	2	MASCOT	T	PLEX8
1.01E-01	0|0	Cs7g30090.2/Cs7g300	8.75	0	0	2	MASCOT	T	PLEX8
1.10E-01	0|0	Cs7g30090.1/Cs7g300	6.92	0	0	2	MASCOT	T	PLEX8
4.43E-02	0|0	Cs7g31540.1	4.37	0	0	2	MASCOT	T	PLEX8
1.69E-02	0|0	Cs7g31540.1	5.72	0	0	2	MASCOT	T	PLEX8
2.65E-02	0|0	Cs8g01490.1/Cs8g014	8.63	0	0	2	MASCOT	T	PLEX8
1.61E-01	0|0	Cs8g01490.1/Cs8g014	8.56	0	0	2	MASCOT	T	PLEX8
1.00E-03	0|0	Cs8g02350.1/Cs8g023	4.53	0	0	2	MASCOT	T	PLEX8
1.25E-01	0|0	Cs8g02350.1/Cs8g023	8.75	0	0	2	MASCOT	T	PLEX8
1.64E-01	0|0	Cs8g02940.1	9.75	0	0	2	MASCOT	T	PLEX8
3.27E-02	0|0	Cs8g02940.1	8.2	0	0	2	MASCOT	T	PLEX8
3.06E-04	0|0	Cs8g03720.1/Cs8g037	4.03	0	0	2	MASCOT	T	
5.88E-03	0|0	Cs8g03720.1/Cs8g037	4.1	0	0	2	MASCOT	T	
2.87E-02	0|0	Cs8g09610.1/Cs8g096	4.25	0	0	2	MASCOT	T	PLEX8
1.46E-01	0|0	Cs2g15560.1/Cs2g155	5.83	0	0	2	MASCOT	T	PLEX8
3.38E-03	0|0	Cs8g09390.1/orange1.	4.14	0	0	2	MASCOT	T	
9.36E-02	0|0	Cs8g09780.1	9.76	0	0	2	MASCOT	T	PLEX8
9.11E-02	0|0	Cs8g12490.1/Cs8g124	6.05	0	0	2	MASCOT	T	PLEX8
1.51E-02	0|0	Cs8g12490.1/Cs8g124	6.85	0	0	2	MASCOT	T	PLEX8
9.05E-03	0|0	Cs8g14580.1	6.05	0	0	2	MASCOT	T	PLEX8
2.74E-01	0|0	Cs8g14580.1	4.25	0	0	2	MASCOT	T	PLEX8
3.45E-01	0|0	Cs8g14970.1	5.4	0	0	2	MASCOT	T	PLEX8
8.61E-03	0|0	Cs8g14970.1	4.4	0	0	2	MASCOT	T	PLEX8
3.53E-01	0|0	Cs8g17360.1/Cs8g173	5.95	0	0	2	MASCOT	T	PLEX8
2.88E-01	0|0	Cs8g17360.1/Cs8g173	9.76	0	0	2	MASCOT	T	PLEX8
7.43E-02	0|0	Cs8g01040.1/Cs8g010	5.84	0	0	2	MASCOT	T	PLEX8
2.67E-01	0|0	Cs8g17540.1/Cs8g175	6.05	0	0	2	MASCOT	T	PLEX8
3.87E-02	0|0	Cs8g19810.1/Cs8g198	11	0	0	2	MASCOT	T	PLEX8
1.72E-01	0|0	Cs8g19810.1/Cs8g198	4.53	0	0	2	MASCOT	T	PLEX8
1.02E-01	0|0	Cs9g01010.1	4.53	0	0	2	MASCOT	T	PLEX8
4.04E-05	0|0	Cs9g01010.1	4.03	0	0	2	MASCOT	T	PLEX8
3.20E-02	0|0	Cs9g01930.1/Cs9g019	4.4	0	0	2	MASCOT	T	PLEX8
1.10E-02	0|0	Cs3g15350.1/Cs9g019	4.03	0	0	2	MASCOT	T	
1.97E-01	0|0	Cs9g03210.1	3.92	0	0	2	MASCOT	T	PLEX8
5.72E-04	0|0	Cs9g03210.1	5.84	0	0	2	MASCOT	T	PLEX8
5.56E-01	0|0	Cs9g06280.1	8.8	0	0	2	MASCOT	T	PLEX8
2.81E-02	0|0	Cs9g06280.1/Cs9g062	6.1	0	0	2	MASCOT	T	PLEX8

2.32E-01	0|0	Cs9g06890.1/Cs9g068	6.1	0	0	2	MASCOT	T	PLEX8
4.69E-03	0|0	Cs9g06890.1	4.37	0	0	2	MASCOT	T	PLEX8
1.82E-02	0|0	Cs9g07750.1	4.37	0	0	2	MASCOT	T	PLEX8
1.30E-01	0|0	Cs9g07750.1/Cs9g077	8.75	0	0	2	MASCOT	T	PLEX8
3.36E-03	0|0	Cs9g10710.1	4.14	0	0	2	MASCOT	T	
1.93E-01	0|0	Cs9g10710.1	4.37	0	0	2	MASCOT	T	PLEX8
9.25E-02	0|0	Cs9g13060.1	4.14	0	0	2	MASCOT	T	PLEX8
6.62E-06	0|0	Cs9g13060.1	3.91	0	0	2	MASCOT	T	
1.11E-01	0|0	Cs9g16270.1	9.76	0	0	2	MASCOT	T	PLEX8
1.00E-01	0|0	Cs9g16270.1	5.32	0	0	2	MASCOT	T	PLEX8
1.87E-01	0|0	Cs9g17720.1	8.69	0	0	2	MASCOT	T	PLEX8
6.37E-02	0|0	Cs9g17720.1/Cs9g177	6	0	0	2	MASCOT	T	PLEX8
4.19E-03	0|0	Cs9g19050.1/Cs9g190	5.84	0	0	2	MASCOT	T	PLEX8
2.53E-02	0|0	Cs9g19050.1/Cs9g190	4.37	0	0	2	MASCOT	T	
9.43E-02	0|0	Cs9g19060.1	6.07	1	0	2	MASCOT	T	PLEX8
4.95E-02	0|0	Cs9g19060.1	6.1	0	0	2	MASCOT	T	PLEX8
2.55E-02	0|0	Cs9g19090.1	4.21	0	0	2	MASCOT	T	PLEX8
1.31E-01	0|0	Cs9g19090.1	5.97	0	0	2	MASCOT	T	PLEX8
6.42E-04	0|0	gi|113952651	9.75	0	0	2	MASCOT	T	PLEX8
9.99E-03	0|0	gi|113952651	4.03	0	0	2	MASCOT	T	
3.91E-02	0|0	Cs4g16270.1/orange1.	4.03	0	0	2	MASCOT	T	
2.04E-01	0|0	Cs4g16260.1/orange1.	4.68	0	0	2	MASCOT	T	PLEX8
2.53E-01	0|0	orange1.1t00183.1	4.37	0	0	2	MASCOT	T	
8.19E-03	0|0	orange1.1t00183.1/ora	4.14	0	0	2	MASCOT	T	
1.08E-01	0|0	orange1.1t00302.1/ora	6	0	0	2	MASCOT	T	PLEX8
1.05E-01	0|0	orange1.1t00302.1/ora	8.63	0	0	2	MASCOT	T	PLEX8
9.38E-02	0|0	orange1.1t00386.2	6	0	0	2	MASCOT	T	PLEX8
2.08E-02	0|0	orange1.1t00386.1/ora	4.21	0	0	2	MASCOT	T	
4.31E-02	0|0	orange1.1t00407.1/ora	4.53	0	0	2	MASCOT	T	PLEX8
4.82E-02	0|0	orange1.1t00407.1/ora	6.05	0	0	2	MASCOT	T	PLEX8
2.67E-02	0|0	orange1.1t00628.1	4.03	0	0	2	MASCOT	T	
2.47E-02	0|0	orange1.1t00628.1	4.31	0	0	2	MASCOT	T	PLEX8
1.47E-02	0|0	orange1.1t00903.1/ora	6.85	0	0	2	MASCOT	T	PLEX8
3.71E-03	0|0	orange1.1t00903.1/ora	4.65	0	0	2	MASCOT	T	PLEX8
2.65E-01	0|0	orange1.1t01092.1 ! or	8.76	0	0	2	MASCOT	T	
7.57E-03	0|0	orange1.1t01092.1	5.81	0	0	2	MASCOT	T	
1.26E-01	0|0	orange1.1t01197.1/ora	9.8	0	0	2	MASCOT	T	PLEX8
2.59E-04	0|0	orange1.1t01197.1/ora	4.03	0	0	2	MASCOT	T	
1.01E-02	0|0	orange1.1t01249.1/ora	6	0	0	2	MASCOT	T	PLEX8
5.16E-03	0|0	orange1.1t01249.1/ora	6.75	0	0	2	MASCOT	T	
9.52E-02	0|0	orange1.1t01269.1/ora	8.63	0	0	2	MASCOT	T	PLEX8
1.07E-01	0|0	orange1.1t01269.1/ora	5.55	0	0	2	MASCOT	T	PLEX8
2.74E-04	0|0	orange1.1t01559.1	6.79	0	0	2	MASCOT	T	PLEX8
6.92E-02	0|0	orange1.1t01559.1	9.73	0	0	2	MASCOT	T	PLEX8
1.10E-02	0|0	orange1.1t01862.1/ora	9.76	0	0	2	MASCOT	T	
2.33E-02	0|0	orange1.1t01862.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
1.80E-02	0|0	orange1.1t02013.1/ora	5.84	0	0	2	MASCOT	T	PLEX8
1.57E-01	0|0	orange1.1t02013.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
4.86E-02	0|0	orange1.1t02219.1/ora	4.53	0	0	2	MASCOT	T	PLEX8
6.50E-02	0|0	orange1.1t02219.1/ora	4.14	0	0	2	MASCOT	T	
2.17E-01	0|0	orange1.1t02254.1	5.55	0	0	2	MASCOT	T	PLEX8

9.77E-03	0|0	orange1.1t02254.1	9.72	0	0	2	MASCOT	T		
1.27E-01	0|0	orange1.1t02384.1	7.94	0	0	2	MASCOT	T	PLEX8	
9.33E-02	0|0	orange1.1t02384.1	5.88	0	0	2	MASCOT	T	PLEX8	
7.14E-02	0|0	orange1.1t02824.1/ora	9.76	0	0	2	MASCOT	T		
5.99E-02	0|0	orange1.1t02824.1/ora	8.75	0	0	2	MASCOT	T	PLEX8	
2.03E-01	0|0	orange1.1t03691.1	6.74	0	0	2	MASCOT	T	PLEX8	
6.11E-03	0|0	orange1.1t03691.1	6	0	0	2	MASCOT	T	PLEX8	
1.53E-01	0|0	orange1.1t04023.1/ora	8.59	0	0	2	MASCOT	T	PLEX8	
2.95E-03	0|0	orange1.1t04023.1/ora	5.8	0	0	2	MASCOT	T	PLEX8	
1.73E-02	0|0	orange1.1t04406.1	4.14	0	0	2	MASCOT	T	PLEX8	
2.71E-04	0|0	Cs9g05730.1/Cs9g057	4.37	0	0	2	MASCOT	T	PLEX8	
1.90E-01	0|0	orange1.1t02742.1/ora	4.37	0	0	2	MASCOT	T	PLEX8	
9.20E-02	0|0	orange1.1t02742.1/ora	5.29	0	0	2	MASCOT	T	PLEX8	
3.38E-03	0|0	Cs8g09390.1/orange1.	4.14	0	0	2	MASCOT	T		
4.10E-02	0|0	Cs3g25780.1/Cs5g259	6.75	0	0	2	MASCOT	T	PLEX8	
5.49E-04	0|0	orange1.1t05709.1	5.4	0	0	2	MASCOT	T	PLEX8	
9.49E-05	0|0	orange1.1t05709.1	4.31	0	0	2	MASCOT	T	PLEX8	
1.01E-03	0|0	Cs8g14960.1	8.1	0	0	2	MASCOT	T	PLEX8	
2.84E-03	0|0	Cs8g14960.1	8.1	0	0	2	MASCOT	T	PLEX8	
4.47E-03	0|0	Cs8g14960.1	8.1	0	0	2	MASCOT	T	PLEX8	
5.83E-03	0|0	Cs8g14960.1	8.1	0	0	2	MASCOT	T	PLEX8	
9.46E-03	0|0	Cs8g14960.1	8.1	0	0	2	MASCOT	T		
7.10E-04	0|0	Cs8g14960.1	8.1	0	0	2	MASCOT	T	PLEX8	
1.01E-03	0|0	Cs8g14960.1	8.1	0	0	2	MASCOT	T	PLEX8	
1.18E-03	0|0	Cs8g14960.1	8.1	0	0	2	MASCOT	T	PLEX8	
4.54E-03	0|0	Cs8g14960.1	8.1	0	0	2	MASCOT	T	PLEX8	
5.15E-03	0|0	Cs8g14960.1	8.1	0	0	2	MASCOT	T	PLEX8	
4.20E-03	0|0	Cs8g14960.1	8.1	0	0	2	MASCOT	T		
1.16E-02	0|0	Cs8g14960.1	8.1	0	0	2	MASCOT	T		
8.82E-05	0|0	Cs5g05030.1	4.21	0	0	2	MASCOT	T	PLEX8	
2.24E-03	0|0	Cs5g05030.1	4.21	0	0	2	MASCOT	T	PLEX8	
2.60E-03	0|0	Cs5g05030.1	4.21	0	0	2	MASCOT	T	PLEX8	
1.07E-02	0|0	Cs5g05030.1	4.21	0	0	2	MASCOT	T	PLEX8	
1.95E-03	0|0	Cs5g05030.1	4.21	0	0	2	MASCOT	T	PLEX8	
1.04E-02	0|0	orange1.1t02589.1	5.84	0	0	2	MASCOT	T	PLEX8	
2.15E-03	0|0	orange1.1t02589.1	5.84	0	0	2	MASCOT	T	PLEX8	
2.76E-02	0|0	orange1.1t02589.1	5.84	0	0	2	MASCOT	T	PLEX8	
1.16E-03	0|0	orange1.1t02589.1	5.84	0	0	2	MASCOT	T	PLEX8	
2.29E-02	0|0	orange1.1t02589.1	5.84	0	0	2	MASCOT	T	PLEX8	
3.80E-04	0|0	orange1.1t03905.1	4.75	0	15.9	0	2	MASCOT	T	PLEX8
5.59E-04	0|0	orange1.1t03905.1	4.75	0	15.9	0	2	MASCOT	T	PLEX8
5.63E-05	0|0	orange1.1t03905.1	4.75	0	15.9	0	2	MASCOT	T	PLEX8
2.83E-03	0|0	orange1.1t03905.1	4.75	0	15.9	0	2	MASCOT	T	PLEX8
5.67E-03	0|0	orange1.1t03905.1	4.75	0	0	2	MASCOT	T	PLEX8	
3.30E-03	0|0	Cs4g07710.1/Cs4g077	6.1	0	0	2	MASCOT	T	PLEX8	
1.21E-02	0|0	Cs4g07710.1/Cs4g077	6.1	0	0	2	MASCOT	T	PLEX8	
3.01E-02	0|0	Cs4g07710.1/Cs4g077	6.1	0	0	2	MASCOT	T	PLEX8	
4.83E-05	0|0	Cs4g07710.1/Cs4g077	6.1	0	0	2	MASCOT	T	PLEX8	
6.11E-03	0|0	Cs1g13120.1	4.14	0	0	2	MASCOT	T	PLEX8	
1.26E-07	0|0	Cs1g13120.1	4.14	0	0	2	MASCOT	T	PLEX8	
4.20E-03	0|0	Cs1g13120.1	4.14	0	0	2	MASCOT	T	PLEX8	

2.84E-03	0|0	Cs2g14090.1	5.4	0	0	2	MASCOT	T	PLEX8
2.87E-02	0|0	Cs2g14090.1	5.4	0	0	2	MASCOT	T	PLEX8
2.87E-02	0|0	Cs2g14090.1	5.4	0	0	2	MASCOT	T	
1.95E-04	0|0	Cs5g24870.1	4.25	0	0	2	MASCOT	T	PLEX8
1.21E-03	0|0	Cs5g24870.1	4.25	0	0	2	MASCOT	T	PLEX8
2.63E-04	0|0	Cs5g24870.1	4.25	0	0	2	MASCOT	T	PLEX8
7.03E-03	0|0	gi|113952637	4.53	0	0	2	MASCOT	T	PLEX8
9.78E-03	0|0	gi|113952637	4.53	0	0	2	MASCOT	T	PLEX8
1.69E-05	0|0	gi|113952637	4.53	0	0	2	MASCOT	T	
6.77E-04	0|0	orange1.1t00450.1	4.14	0	0	2	MASCOT	T	PLEX8
1.51E-04	0|0	orange1.1t00450.1	4.14	0	0	2	MASCOT	T	PLEX8
4.72E-04	0|0	orange1.1t00450.1	4.14	0	0	2	MASCOT	T	PLEX8
5.87E-03	0|0	Cs1g01940.1/Cs1g019	4	0	0	2	MASCOT	T	
1.63E-04	0|0	Cs1g01940.1/Cs1g019	4	0	0	2	MASCOT	T	
4.96E-03	0|0	Cs1g13150.1/Cs1g131	4.65	0	0	2	MASCOT	T	PLEX8
9.09E-03	0|0	Cs1g13150.1/Cs1g131	4.65	0	0	2	MASCOT	T	
2.71E-02	0|0	Cs1g19010.1	4.21	0	0	2	MASCOT	T	
9.31E-03	0|0	Cs1g19010.1	4.21	0	0	2	MASCOT	T	PLEX8
1.11E-03	0|0	Cs1g24470.1	6.71	0	0	2	MASCOT	T	PLEX8
3.52E-03	0|0	Cs1g24470.1	6.71	0	0	2	MASCOT	T	PLEX8
3.65E-04	0|0	Cs1g25010.1/Cs1g250	4.09	0	0	2	MASCOT	T	PLEX8
2.13E-03	0|0	Cs1g25010.1/Cs1g250	4.09	0	0	2	MASCOT	T	
2.22E-02	0|0	Cs2g28260.1	4.53	0	0	2	MASCOT	T	PLEX8
2.64E-04	0|0	Cs2g28260.1	4.53	0	0	2	MASCOT	T	PLEX8
8.66E-02	0|0	Cs2g31130.1	5.84	0	0	2	MASCOT	T	
1.17E-01	0|0	Cs2g31130.1	5.84	0	0	2	MASCOT	T	
1.05E-02	0|0	Cs3g05350.1	5.84	0	0	2	MASCOT	T	PLEX8
7.76E-03	0|0	Cs3g05350.1	5.84	0	0	2	MASCOT	T	PLEX8
2.63E-03	0|0	Cs3g14260.1/Cs3g142	3.93	0	0	2	MASCOT	T	PLEX8
2.31E-04	0|0	Cs3g14260.1/Cs3g142	3.93	0	0	2	MASCOT	T	
7.22E-03	0|0	Cs3g14560.1/Cs3g145	8.76	0	0	2	MASCOT	T	PLEX8
3.75E-04	0|0	Cs3g14560.1/Cs3g145	8.76	0	0	2	MASCOT	T	PLEX8
2.88E-04	0|0	Cs3g16640.1/Cs3g166	5.88	0	0	2	MASCOT	T	PLEX8
3.94E-04	0|0	Cs3g16640.1/Cs3g166	5.88	0	0	2	MASCOT	T	PLEX8
2.28E-03	0|0	Cs3g16900.1/Cs3g169	5.32	0	0	2	MASCOT	T	PLEX8
6.84E-04	0|0	Cs3g16900.1/Cs3g169	5.32	0	0	2	MASCOT	T	
7.36E-03	0|0	Cs4g05880.1	4.37	0	0	2	MASCOT	T	PLEX8
6.77E-03	0|0	Cs4g05880.1	4.37	0	0	2	MASCOT	T	PLEX8
1.05E-02	0|0	Cs4g06330.1	6.07	0	0	2	MASCOT	T	PLEX8
2.20E-02	0|0	Cs4g06330.1	6.07	0	0	2	MASCOT	T	
7.13E-03	0|0	Cs4g09390.1	6.75	0	0	2	MASCOT	T	PLEX8
4.08E-03	0|0	Cs4g09390.1	6.75	0	0	2	MASCOT	T	PLEX8
1.07E-03	0|0	Cs4g13900.1/Cs4g139	5.21	0	0	2	MASCOT	T	PLEX8
1.06E-02	0|0	Cs4g13900.1/Cs4g139	5.21	0	0	2	MASCOT	T	
8.87E-03	0|0	Cs4g19010.1/Cs4g190	5.32	0	0	2	MASCOT	T	PLEX8
1.46E-03	0|0	Cs4g19010.1/Cs4g190	5.32	0	0	2	MASCOT	T	PLEX8
1.72E-05	0|0	Cs5g10290.1	4.37	0	0	2	MASCOT	T	PLEX8
3.96E-04	0|0	Cs5g10290.1	4.37	0	0	2	MASCOT	T	PLEX8
3.90E-03	0|0	Cs5g18610.1/Cs5g186	6.92	0	0	2	MASCOT	T	PLEX8
1.85E-02	0|0	Cs5g18610.1/Cs5g186	6.92	0	0	2	MASCOT	T	
7.05E-03	0|0	Cs5g19650.1	6.75	0	0	2	MASCOT	T	PLEX8

1.26E-03	0|0	Cs5g19650.1	6.75	0	0	2	MASCOT	T	PLEX8	
6.81E-03	0|0	Cs5g31340.1	9.73	0	0	2	MASCOT	T	PLEX8	
5.21E-03	0|0	Cs5g31340.1	9.73	0	0	2	MASCOT	T	PLEX8	
6.62E-03	0|0	Cs6g01210.1/Cs6g012	8.59	0	0	2	MASCOT	T	PLEX8	
1.19E-03	0|0	Cs6g01210.1/Cs6g012	8.59	0	0	2	MASCOT	T	PLEX8	
1.89E-02	0|0	Cs6g05140.1	6.17	1	0	2	MASCOT	T	PLEX8	
3.69E-02	0|0	Cs6g05140.1	6.17	1	0	2	MASCOT	T	PLEX8	
2.27E-03	0|0	Cs6g14310.1/Cs6g143	4.37	0	0	2	MASCOT	T		
1.63E-05	0|0	Cs6g14310.1/Cs6g143	4.37	0	0	2	MASCOT	T		
5.48E-03	0|0	Cs6g16060.1	4.54	0	0	2	MASCOT	T	PLEX8	
1.50E-03	0|0	Cs6g16060.1	4.54	0	0	2	MASCOT	T	PLEX8	
3.12E-03	0|0	Cs6g16360.1/Cs6g163	9.5	0	0	2	MASCOT	T		
1.12E-02	0|0	Cs6g16360.1/Cs6g163	9.5	0	0	2	MASCOT	T		
1.11E-04	0|0	Cs6g16960.1	6.72	0	0	2	MASCOT	T	PLEX8	
2.66E-04	0|0	Cs6g16960.1	6.72	0	0	2	MASCOT	T	PLEX8	
6.63E-05	0|0	Cs7g20730.1	6.71	0	0	2	MASCOT	T	PLEX8	
1.26E-04	0|0	Cs7g20730.1	6.71	0	0	2	MASCOT	T	PLEX8	
3.88E-04	0|0	Cs7g22640.1	4.53	0	0	2	MASCOT	T		
3.41E-04	0|0	Cs7g22640.1	4.53	0	0	2	MASCOT	T		
1.71E-02	0|0	Cs7g25330.1/Cs7g253	4.54	0	0	2	MASCOT	T	PLEX8	
4.39E-03	0|0	Cs7g25330.1/Cs7g253	4.54	0	0	2	MASCOT	T	PLEX8	
1.09E-02	0|0	Cs7g26170.1/Cs7g261	5.8	0	0	2	MASCOT	T	PLEX8	
2.05E-03	0|0	Cs7g26170.1/Cs7g261	5.8	0	0	2	MASCOT	T	PLEX8	
2.81E-03	0|0	Cs7g28650.1	5.32	0	0	2	MASCOT	T	PLEX8	
1.44E-02	0|0	Cs7g28650.1	5.32	0	0	2	MASCOT	T		
7.59E-03	0|0	Cs8g14110.1	4.54	0	0	2	MASCOT	T	PLEX8	
3.96E-06	0|0	Cs8g14110.1	4.54	0	0	2	MASCOT	T		
1.05E-02	0|0	Cs9g17220.1	6	0	0	2	MASCOT	T	PLEX8	
3.84E-03	0|0	Cs9g17220.1	6	0	0	2	MASCOT	T	PLEX8	
8.15E-04	0|0	gi|113952647	6.71	0	0	2	MASCOT	T	PLEX8	
1.65E-03	0|0	gi|113952647	6.71	0	0	2	MASCOT	T	PLEX8	
3.44E-03	0|0	gi|113952663/gi|11395	9.73	0	15.9	0	2	MASCOT	T	PLEX8
8.66E-06	0|0	gi|113952663/gi|11395	9.73	0	0	2	MASCOT	T	PLEX8	
4.96E-03	0|0	orange1.1t00912.1	4.37	0	0	2	MASCOT	T	PLEX8	
6.35E-03	0|0	orange1.1t00912.1	4.37	0	0	2	MASCOT	T	PLEX8	
1.31E-03	0|0	orange1.1t00946.1	4.53	0	0	2	MASCOT	T	PLEX8	
5.05E-05	0|0	orange1.1t00946.1	4.53	0	0	2	MASCOT	T	PLEX8	
1.14E-02	0|0	orange1.1t02107.1	6.75	0	0	2	MASCOT	T	PLEX8	
2.69E-02	0|0	orange1.1t02107.1	6.75	0	0	2	MASCOT	T	PLEX8	
1.05E-01	0|0	orange1.1t02201.1	6.72	0	0	2	MASCOT	T	PLEX8	
1.18E-01	0|0	orange1.1t02201.1	6.72	0	0	2	MASCOT	T	PLEX8	
6.30E-04	0|0	orange1.1t02644.1	5.4	0	0	2	MASCOT	T	PLEX8	
8.67E-04	0|0	orange1.1t02644.1	5.4	0	0	2	MASCOT	T		
4.66E-04	0|0	orange1.1t04496.1	5.84	0	0	2	MASCOT	T	PLEX8	
3.72E-03	0|0	orange1.1t04496.1	5.84	0	0	2	MASCOT	T	PLEX8	
1.85E-02	0|0	Cs1g01370.1	5.84	0	0	2	MASCOT	T	PLEX8	
3.93E-02	0|0	Cs1g02800.1/Cs1g028	5.32	0	0	2	MASCOT	T	PLEX8	
1.02E-02	0|0	Cs1g02850.1	5.21	0	0	2	MASCOT	T		
2.18E-02	0|0	Cs1g03240.1/Cs1g032	5.32	0	0	2	MASCOT	T	PLEX8	
3.48E-03	0|0	Cs1g03350.1	5.84	0	0	2	MASCOT	T		
2.11E-02	0|0	Cs1g09420.1/Cs1g094	5.81	0	0	2	MASCOT	T	PLEX8	

2.04E-03 0|0	Cs1g09520.1	5.97	0	0	2 MASCOT	T	PLEX8
1.23E-03 0|0	Cs1g09990.1	5.32	0	0	2 MASCOT	T	PLEX8
2.51E-04 0|0	Cs1g12430.1	5.84	0	0	2 MASCOT	T	PLEX8
1.91E-02 0|0	Cs1g13190.1/Cs1g131	4.14	0	0	2 MASCOT	T	PLEX8
8.27E-03 0|0	Cs1g13230.1/Cs2g285	4.37	0	0	2 MASCOT	T	PLEX8
2.98E-03 0|0	Cs1g13870.1/Cs1g138	4.54	0	0	2 MASCOT	T	PLEX8
3.79E-04 0|0	Cs1g14610.1	4.65	0	0	2 MASCOT	T	PLEX8
9.60E-05 0|0	Cs1g15210.1	4.53	0	0	2 MASCOT	T	PLEX8
2.76E-03 0|0	Cs1g18140.1/Cs1g181	4.53	0	0	2 MASCOT	T	PLEX8
1.79E-02 0|0	Cs1g19370.1	4.53	0	0	2 MASCOT	T	PLEX8
1.25E-02 0|0	Cs1g19490.1	9.8	0	0	2 MASCOT	T	
8.79E-03 0|0	Cs1g20160.1/Cs1g201	6	0	0	2 MASCOT	T	PLEX8
3.81E-04 0|0	Cs1g21640.1	5.28	0	0	2 MASCOT	T	PLEX8
2.37E-03 0|0	Cs1g22680.1	4.25	0	0	2 MASCOT	T	
8.54E-03 0|0	Cs1g22930.1	9.76	0	0	2 MASCOT	T	PLEX8
4.61E-03 0|0	Cs1g23750.1	4.48	0	0	2 MASCOT	T	PLEX8
6.76E-04 0|0	Cs1g24180.1/Cs1g241	3.92	0	0	2 MASCOT	T	
1.28E-01 0|0	Cs1g24380.1	4.03	0	0	2 MASCOT	T	PLEX8
4.08E-03 0|0	Cs1g26370.1/Cs1g263	5.84	0	0	2 MASCOT	T	PLEX8
7.62E-03 0|0	Cs2g03270.1	6.74	0	0	2 MASCOT	T	PLEX8
7.29E-03 0|0	Cs2g04790.1	5.32	0	0	2 MASCOT	T	PLEX8
4.42E-04 0|0	Cs2g04930.1	4.54	0	0	2 MASCOT	T	
3.38E-02 0|0	Cs2g05120.1	9.76	0	0	2 MASCOT	T	PLEX8
3.62E-02 0|0	Cs2g07010.1/Cs2g070	8.47	0	0	2 MASCOT	T	PLEX8
3.18E-02 0|0	Cs2g07069.1	9.75	0	0	2 MASCOT	T	
4.18E-03 0|0	Cs2g08190.1/Cs2g081	4.53	0	0	2 MASCOT	T	PLEX8
6.28E-03 0|0	Cs2g08280.1	4.37	0	0	2 MASCOT	T	PLEX8
3.81E-02 0|0	Cs2g10360.1/Cs2g103	5.84	0	0	2 MASCOT	T	PLEX8
3.32E-04 0|0	Cs2g10860.1/Cs2g108	4.75	0	0	2 MASCOT	T	PLEX8
2.83E-03 0|0	Cs2g11150.1/Cs2g111	5.5	0	0	2 MASCOT	T	PLEX8
8.88E-03 0|0	Cs2g11200.1/Cs2g112	4.37	0	0	2 MASCOT	T	
7.03E-03 0|0	Cs2g12120.1/Cs2g121	3.84	0	0	2 MASCOT	T	PLEX8
1.87E-02 0|0	Cs2g12710.1/Cs2g127	5.32	0	0	2 MASCOT	T	PLEX8
1.67E-02 0|0	Cs2g13580.1/Cs2g135	5.21	0	0	2 MASCOT	T	PLEX8
3.71E-04 0|0	Cs2g14830.1/Cs2g148	4.37	0	0	2 MASCOT	T	PLEX8
1.79E-03 0|0	Cs2g15670.1/Cs2g156	9.76	0	0	2 MASCOT	T	PLEX8
2.66E-02 0|0	Cs2g15990.1/Cs2g159	3.93	0	0	2 MASCOT	T	
1.53E-02 0|0	Cs2g17050.1	5.84	0	0	2 MASCOT	T	PLEX8
1.60E-02 0|0	Cs2g17390.1/Cs2g173	6.74	0	0	2 MASCOT	T	PLEX8
1.22E-02 0|0	Cs2g17700.1/Cs2g177	8.25	0	0	2 MASCOT	T	PLEX8
1.27E-02 0|0	Cs2g18040.1 ! Cs5g19	6.85	0	0	2 MASCOT	T	PLEX8
4.96E-03 0|0	Cs2g20010.1	4	0	0	2 MASCOT	T	
6.52E-03 0|0	Cs2g21740.1/Cs2g217	4.25	0	0	2 MASCOT	T	
5.53E-03 0|0	Cs2g22040.1	4.03	0	0	2 MASCOT	T	PLEX8
5.78E-03 0|0	Cs2g22400.1/Cs2g224	4.65	0	0	2 MASCOT	T	PLEX8
5.40E-03 0|0	Cs2g24710.1/Cs2g247	4.37	0	0	2 MASCOT	T	
1.07E-02 0|0	Cs2g26060.1/orange1.	5.84	0	0	2 MASCOT	T	PLEX8
4.61E-03 0|0	Cs2g29070.1/Cs2g290	5.83	0	0	2 MASCOT	T	PLEX8
3.08E-02 0|0	Cs2g30420.1/Cs2g304	8.75	0	0	2 MASCOT	T	PLEX8
2.27E-02 0|0	Cs2g30570.1	6	0	0	2 MASCOT	T	PLEX8
2.61E-05 0|0	Cs2g30990.1/Cs2g309	6.05	0	0	2 MASCOT	T	

2.72E-02	0|0	Cs3g02970.1/Cs3g030	4.14	0	0	2	MASCOT	T	
5.67E-03	0|0	Cs3g05720.1/Cs3g057	4.21	0	0	2	MASCOT	T	
7.28E-05	0|0	Cs3g06340.1/Cs3g063	4.14	0	0	2	MASCOT	T	
6.17E-06	0|0	Cs3g06880.1	5.37	0	0	2	MASCOT	T PLEX8	
1.80E-03	0|0	Cs3g10390.1	5.84	0	0	2	MASCOT	T	
2.43E-02	0|0	Cs3g10540.1	6.74	0	0	2	MASCOT	T PLEX8	
2.61E-05	0|0	Cs3g10570.1/Cs3g105	5.32	0	0	2	MASCOT	T PLEX8	
5.56E-03	0|0	Cs3g13490.1/Cs3g134	4.03	0	0	2	MASCOT	T PLEX8	
4.86E-03	0|0	Cs3g15360.1/Cs3g153	8.26	0	0	2	MASCOT	T PLEX8	
3.58E-03	0|0	Cs3g16320.1	4.21	0	0	2	MASCOT	T PLEX8	
1.52E-01	0|0	Cs3g16420.1/Cs3g164	5.84	0	0	2	MASCOT	T PLEX8	
2.30E-02	0|0	Cs3g16790.1	8.25	1	0	2	MASCOT	T	
2.76E-03	0|0	Cs3g17620.1	4.75	0	0	2	MASCOT	T PLEX8	
4.34E-03	0|0	Cs3g19910.1	5.83	0	0	2	MASCOT	T PLEX8	
2.49E-05	0|0	Cs3g20460.1/Cs3g204	4.37	0	0	2	MASCOT	T	
7.00E-03	0|0	Cs3g23290.1/Cs3g232	9.76	0	0	2	MASCOT	T PLEX8	
1.56E-02	0|0	Cs3g23570.1/Cs8g059	8.76	0	0	2	MASCOT	T PLEX8	
2.81E-02	0|0	Cs3g25840.1/Cs3g258	8.63	0	0	2	MASCOT	T PLEX8	
4.95E-03	0|0	Cs3g25910.1/Cs3g259	3.93	0	0	2	MASCOT	T	
1.23E-02	0|0	Cs3g26510.1	3.93	0	0	2	MASCOT	T PLEX8	
1.54E-02	0|0	Cs3g26640.1/Cs3g266	6.74	0	0	2	MASCOT	T	
3.65E-03	0|0	Cs2g14940.1/Cs2g149	8.8	0	0	2	MASCOT	T PLEX8	
5.68E-03	0|0	Cs3g27580.1/Cs3g275	8.76	0	0	2	MASCOT	T PLEX8	
9.20E-04	0|0	Cs3g27610.1/Cs3g276	6	0	0	2	MASCOT	T PLEX8	
3.99E-03	0|0	Cs4g02720.1/Cs4g027	4.37	0	15.9	0	2	MASCOT	T PLEX8
4.10E-03	0|0	Cs4g04020.1	4.4	0	0	2	MASCOT	T PLEX8	
1.38E-02	0|0	Cs4g04170.1/Cs4g041	6	0	0	2	MASCOT	T PLEX8	
3.54E-02	0|0	Cs4g05290.1	9.76	0	0	2	MASCOT	T PLEX8	
6.41E-03	0|0	Cs4g06730.1/Cs4g067	4.53	0	0	2	MASCOT	T PLEX8	
4.65E-04	0|0	Cs4g07120.1/Cs4g094	4.65	0	0	2	MASCOT	T PLEX8	
8.82E-03	0|0	Cs4g08250.1/Cs4g082	4.53	0	0	2	MASCOT	T PLEX8	
1.34E-03	0|0	Cs4g09460.1/Cs4g094	4.03	0	0	2	MASCOT	T PLEX8	
1.08E-02	0|0	Cs4g10980.1/Cs4g109	5.21	0	0	2	MASCOT	T PLEX8	
9.17E-03	0|0	Cs4g11170.1	3.91	0	0	2	MASCOT	T PLEX8	
4.30E-03	0|0	Cs4g11910.1/Cs4g119	4.37	0	0	2	MASCOT	T PLEX8	
2.77E-02	0|0	Cs4g12280.1	8.76	0	0	2	MASCOT	T PLEX8	
1.25E-02	0|0	Cs4g12310.1	8.25	0	0	2	MASCOT	T PLEX8	
5.59E-03	0|0	Cs4g13230.1	4.48	0	0	2	MASCOT	T PLEX8	
1.36E-02	0|0	Cs1g18740.1/Cs4g132	8.75	0	0	2	MASCOT	T PLEX8	
3.57E-03	0|0	Cs4g13250.1	6.75	0	0	2	MASCOT	T PLEX8	
3.05E-03	0|0	Cs4g14500.1/Cs4g145	4.54	0	0	2	MASCOT	T PLEX8	
1.13E-03	0|0	Cs4g15120.1/Cs5g161	4.75	0	0	2	MASCOT	T	
2.82E-03	0|0	Cs4g15220.1	5.84	0	0	2	MASCOT	T	
1.19E-03	0|0	Cs4g17820.1	5.88	0	0	2	MASCOT	T PLEX8	
9.47E-04	0|0	Cs4g19000.1/Cs4g190	4.37	0	0	2	MASCOT	T PLEX8	
3.75E-02	0|0	Cs4g19440.1	6	0	0	2	MASCOT	T PLEX8	
2.54E-03	0|0	Cs4g19800.1	5.18	0	0	2	MASCOT	T PLEX8	
2.80E-03	0|0	Cs4g20300.1/Cs4g203	4.03	0	0	2	MASCOT	T	
8.46E-03	0|0	Cs5g04870.1/Cs5g048	4.37	0	0	2	MASCOT	T PLEX8	
1.13E-02	0|0	Cs5g06010.1/Cs7g091	6	0	0	2	MASCOT	T PLEX8	
1.41E-02	0|0	Cs5g06640.1	4.22	0	0	2	MASCOT	T	

1.65E-02 0|0	Cs5g06900.1	6.74	0	0	2 MASCOT	T	
1.74E-02 0|0	Cs5g07020.1	8.8	0	0	2 MASCOT	T	PLEX8
1.76E-03 0|0	Cs5g07530.1/Cs5g075	4.37	0	0	2 MASCOT	T	PLEX8
8.18E-04 0|0	Cs5g09160.1	5.84	0	0	2 MASCOT	T	
1.99E-03 0|0	Cs5g11140.1	4.41	0	0	2 MASCOT	T	PLEX8
3.31E-03 0|0	Cs5g12050.1	4.25	0	0	2 MASCOT	T	PLEX8
2.97E-02 0|0	Cs2g27440.1 ! Cs5g12	9.44	0	0	2 MASCOT	T	PLEX8
1.68E-02 0|0	Cs2g07430.1/Cs2g074	6	0	0	2 MASCOT	T	PLEX8
6.42E-03 0|0	Cs5g21830.1	6.73	0	0	2 MASCOT	T	PLEX8
3.26E-02 0|0	Cs5g23300.1	6	0	0	2 MASCOT	T	PLEX8
7.64E-05 0|0	Cs5g24310.1	6.47	0	0	2 MASCOT	T	
5.56E-04 0|0	Cs5g24800.1	4.37	0	0	2 MASCOT	T	PLEX8
1.15E-03 0|0	Cs5g25110.1/Cs5g251	4.53	0	0	2 MASCOT	T	PLEX8
8.60E-04 0|0	Cs5g26110.1/Cs5g261	4.14	0	0	2 MASCOT	T	PLEX8
1.15E-03 0|0	Cs5g26220.1	6.1	0	0	2 MASCOT	T	PLEX8
3.94E-03 0|0	Cs5g26540.1	4.21	0	0	2 MASCOT	T	PLEX8
1.77E-02 0|0	Cs5g27665.1	5.59	0	0	2 MASCOT	T	
1.94E-02 0|0	Cs5g29620.1/Cs5g296	6.75	0	0	2 MASCOT	T	PLEX8
2.78E-03 0|0	Cs5g29930.2	6.85	0	0	2 MASCOT	T	PLEX8
6.70E-03 0|0	Cs5g30270.1/Cs5g302	6.74	0	0	2 MASCOT	T	PLEX8
1.45E-02 0|0	Cs5g30410.1	5.86	0	0	2 MASCOT	T	PLEX8
7.23E-03 0|0	Cs5g31290.1	5.32	0	0	2 MASCOT	T	PLEX8
5.76E-02 0|0	Cs3g13120.1/Cs4g122	9.76	0	0	2 MASCOT	T	PLEX8
3.82E-03 0|0	Cs5g32410.1	4.37	0	0	2 MASCOT	T	
8.23E-05 0|0	Cs6g02590.1	5.32	0	0	2 MASCOT	T	PLEX8
5.21E-03 0|0	Cs6g04650.1	9.8	0	0	2 MASCOT	T	PLEX8
1.98E-03 0|0	Cs6g04920.1	5.84	0	0	2 MASCOT	T	
1.34E-02 0|0	Cs6g07500.1	9.8	0	0	2 MASCOT	T	PLEX8
1.12E-02 0|0	Cs6g07690.1/orange1.	4.37	0	0	2 MASCOT	T	PLEX8
7.87E-03 0|0	Cs6g08000.1	9.72	0	0	2 MASCOT	T	
7.36E-03 0|0	Cs6g08210.1	5.4	0	0	2 MASCOT	T	
1.45E-02 0|0	Cs6g13000.1/Cs6g130	4.03	0	0	2 MASCOT	T	PLEX8
3.47E-03 0|0	Cs6g13025.1	8.76	0	0	2 MASCOT	T	PLEX8
2.35E-02 0|0	Cs6g14050.1/Cs6g140	4.53	0	0	2 MASCOT	T	
1.70E-02 0|0	Cs3g07500.1/Cs3g075	4.37	0	0	2 MASCOT	T	
2.44E-02 0|0	Cs6g15840.1/Cs6g158	4.14	0	0	2 MASCOT	T	
1.64E-03 0|0	Cs6g15860.1/Cs6g158	5.88	0	0	2 MASCOT	T	PLEX8
1.93E-02 0|0	Cs6g18180.1	6.74	0	0	2 MASCOT	T	PLEX8
3.51E-03 0|0	Cs6g18650.1	5.21	0	0	2 MASCOT	T	PLEX8
1.94E-03 0|0	Cs6g18680.1	8.22	0	0	2 MASCOT	T	PLEX8
1.06E-02 0|0	Cs6g18840.1	9.76	0	0	2 MASCOT	T	PLEX8
2.29E-02 0|0	Cs6g19130.1	5.37	0	0	2 MASCOT	T	PLEX8
6.47E-03 0|0	Cs6g19410.1/Cs6g194	5.88	0	0	2 MASCOT	T	PLEX8
4.15E-04 0|0	Cs6g21060.1	4.37	0	0	2 MASCOT	T	
3.43E-03 0|0	Cs7g01480.1/Cs7g014	5.81	0	0	2 MASCOT	T	PLEX8
1.40E-03 0|0	Cs7g02020.1/Cs7g020	5.84	0	0	2 MASCOT	T	PLEX8
8.29E-03 0|0	Cs7g03460.1	4.14	0	0	2 MASCOT	T	PLEX8
2.45E-02 0|0	Cs7g03860.1/Cs7g038	4	0	0	2 MASCOT	T	PLEX8
1.08E-02 0|0	Cs7g06260.1	6	0	0	2 MASCOT	T	PLEX8
3.88E-04 0|0	Cs7g08430.1/Cs7g084	5.81	0	0	2 MASCOT	T	
3.40E-03 0|0	Cs7g08630.1/Cs7g086	4.53	0	0	2 MASCOT	T	PLEX8

1.62E-02 0|0	Cs7g09630.1	9.76	0	0	2 MASCOT	T	PLEX8
1.78E-02 0|0	Cs7g11030.1	8.63	0	0	2 MASCOT	T	PLEX8
1.40E-03 0|0	Cs7g11210.1/Cs7g112	5.84	0	0	2 MASCOT	T	PLEX8
1.73E-04 0|0	Cs7g11670.1/Cs7g116	4.54	0	0	2 MASCOT	T	
7.12E-03 0|0	Cs7g12490.1	4.37	0	0	2 MASCOT	T	PLEX8
6.31E-03 0|0	Cs7g13580.1	8.8	0	0	2 MASCOT	T	PLEX8
2.71E-02 0|0	Cs7g13640.1/Cs7g136	4.37	0	0	2 MASCOT	T	PLEX8
1.60E-03 0|0	Cs7g14990.1	5.4	0	0	2 MASCOT	T	PLEX8
4.00E-05 0|0	Cs7g15240.1	6.75	0	0	2 MASCOT	T	PLEX8
6.67E-03 0|0	Cs7g18000.1	5.97	0	0	2 MASCOT	T	
2.77E-02 0|0	Cs7g18350.1	6.75	0	0	2 MASCOT	T	PLEX8
2.41E-03 0|0	Cs5g07820.1/Cs5g078	4.17	0	0	2 MASCOT	T	PLEX8
3.01E-02 0|0	Cs7g19230.1	6	0	0	2 MASCOT	T	
8.31E-03 0|0	Cs7g19290.1/Cs7g192	6.74	0	0	2 MASCOT	T	PLEX8
8.11E-03 0|0	Cs7g19570.1/Cs7g195	4.09	0	0	2 MASCOT	T	PLEX8
4.74E-03 0|0	Cs7g20360.1/Cs7g203	6.72	0	0	2 MASCOT	T	PLEX8
1.24E-03 0|0	Cs7g21300.1	8.75	0	0	2 MASCOT	T	PLEX8
2.90E-03 0|0	Cs7g22380.1	5.55	0	0	2 MASCOT	T	PLEX8
2.49E-03 0|0	Cs7g24480.1	5.72	0	0	2 MASCOT	T	PLEX8
3.61E-03 0|0	Cs7g25610.1	8.31	0	0	2 MASCOT	T	PLEX8
1.41E-02 0|0	Cs7g25630.1/Cs7g256	4.21	0	0	2 MASCOT	T	PLEX8
1.35E-02 0|0	Cs7g26340.1/Cs7g263	5.4	0	0	2 MASCOT	T	
1.11E-02 0|0	Cs7g28630.1/Cs7g286	6.74	0	0	2 MASCOT	T	PLEX8
5.19E-03 0|0	Cs7g28900.1	4.65	0	0	2 MASCOT	T	PLEX8
1.32E-02 0|0	Cs7g29360.1/Cs7g293	6.75	0	0	2 MASCOT	T	PLEX8
8.70E-03 0|0	Cs7g29540.1	6.05	0	0	2 MASCOT	T	PLEX8
9.86E-03 0|0	Cs7g31130.1/Cs7g311	5.88	0	0	2 MASCOT	T	
1.87E-02 0|0	Cs7g31290.1	5.84	0	0	2 MASCOT	T	PLEX8
1.65E-02 0|0	Cs8g01680.1	5.99	0	0	2 MASCOT	T	PLEX8
9.08E-06 0|0	Cs8g01970.1	5.32	0	0	2 MASCOT	T	PLEX8
2.01E-03 0|0	Cs8g02450.1/Cs8g024	6	0	0	2 MASCOT	T	PLEX8
9.56E-03 0|0	Cs8g04340.1	8.23	0	0	2 MASCOT	T	PLEX8
2.79E-02 0|0	Cs8g05030.1/Cs8g050	9.6	1	0	2 MASCOT	T	
2.89E-03 0|0	Cs8g05070.1/Cs8g050	4.53	0	0	2 MASCOT	T	
1.45E-02 0|0	Cs8g06410.1/Cs8g064	5.97	0	0	2 MASCOT	T	PLEX8
1.97E-02 0|0	Cs8g06890.1	4.37	0	0	2 MASCOT	T	PLEX8
1.82E-02 0|0	Cs8g07200.1/Cs8g072	5.83	0	0	2 MASCOT	T	PLEX8
2.26E-01 0|0	Cs8g07480.1/Cs8g074	5.32	0	0	2 MASCOT	T	PLEX8
1.68E-03 0|0	Cs8g07970.1	4	0	0	2 MASCOT	T	
2.90E-03 0|0	Cs8g08740.1/Cs8g087	4.41	0	0	2 MASCOT	T	PLEX8
6.91E-03 0|0	Cs8g08770.2/Cs8g087	4.09	0	0	2 MASCOT	T	PLEX8
2.93E-03 0|0	Cs8g09960.1	4.49	1	0	2 MASCOT	T	PLEX8
6.83E-03 0|0	Cs1g01980.1/Cs1g019	4.53	0	0	2 MASCOT	T	PLEX8
1.18E-03 0|0	Cs8g11350.1	4.21	0	0	2 MASCOT	T	PLEX8
1.62E-03 0|0	Cs8g13645.1	6.75	0	0	2 MASCOT	T	
6.42E-03 0|0	Cs8g15660.1	4.21	0	0	2 MASCOT	T	PLEX8
7.57E-03 0|0	Cs6g04950.1/Cs8g172	6.74	0	0	2 MASCOT	T	PLEX8
2.00E-02 0|0	Cs8g18200.1	6.05	0	0	2 MASCOT	T	PLEX8
8.90E-03 0|0	Cs8g18870.1	9.76	0	0	2 MASCOT	T	PLEX8
1.18E-02 0|0	Cs8g19680.1/Cs8g196	6.74	0	0	2 MASCOT	T	PLEX8
1.58E-02 0|0	Cs8g20040.1/Cs8g200	4.37	0	0	2 MASCOT	T	

3.72E-03	0|0	Cs9g04840.1	5.97	0	0	2	MASCOT	T	PLEX8
1.03E-03	0|0	Cs9g06330.1/Cs9g063	5.84	0	0	2	MASCOT	T	
9.90E-03	0|0	Cs9g06370.1	3.92	0	0	2	MASCOT	T	PLEX8
4.52E-03	0|0	Cs9g07700.1	4.25	0	0	2	MASCOT	T	PLEX8
7.31E-03	0|0	Cs9g07710.1	5.84	0	0	2	MASCOT	T	PLEX8
6.89E-04	0|0	Cs9g07870.1/Cs9g078	5.21	0	0	2	MASCOT	T	
4.07E-04	0|0	Cs9g08900.1/Cs9g089	6.79	0	0	2	MASCOT	T	PLEX8
2.04E-02	0|0	Cs9g09680.1	8.59	0	0	2	MASCOT	T	PLEX8
1.84E-03	0|0	Cs9g09730.1/Cs9g097	5.87	0	0	2	MASCOT	T	
2.00E-02	0|0	Cs9g10120.1/Cs9g101	5.84	0	0	2	MASCOT	T	PLEX8
1.05E-02	0|0	Cs9g13420.1/Cs9g134	9.76	0	0	2	MASCOT	T	PLEX8
1.18E-02	0|0	Cs9g14610.1	4.4	0	0	2	MASCOT	T	PLEX8
5.15E-03	0|0	Cs9g16800.1/Cs9g168	4.53	0	0	2	MASCOT	T	PLEX8
8.10E-03	0|0	Cs9g17270.1/Cs9g172	5.81	0	0	2	MASCOT	T	PLEX8
1.28E-03	0|0	Cs9g17340.1/Cs9g173	6	0	0	2	MASCOT	T	
2.53E-04	0|0	Cs9g18000.1	9.47	0	0	2	MASCOT	T	
1.80E-03	0|0	Cs9g19100.1	5.32	0	0	2	MASCOT	T	PLEX8
2.00E-02	0|0	Cs9g19390.1	4.75	0	0	2	MASCOT	T	PLEX8
7.69E-04	0|0	gi|113952602	4.75	0	0	2	MASCOT	T	
1.64E-04	0|0	gi|113952618	8.75	0	0	2	MASCOT	T	PLEX8
7.13E-04	0|0	gi|113952628	4.14	0	0	2	MASCOT	T	PLEX8
1.26E-04	0|0	gi|113952656	6	0	0	2	MASCOT	T	PLEX8
2.93E-04	0|0	orange1.1t00105.1	5.15	0	0	2	MASCOT	T	
2.91E-04	0|0	orange1.1t00179.1/ora	4.03	0	0	2	MASCOT	T	
1.21E-03	0|0	orange1.1t00285.1	4.09	0	0	2	MASCOT	T	PLEX8
8.76E-03	0|0	orange1.1t00358.1/ora	8.72	0	0	2	MASCOT	T	PLEX8
5.77E-03	0|0	orange1.1t00372.1/ora	6.75	0	0	2	MASCOT	T	PLEX8
1.17E-02	0|0	orange1.1t00552.1/ora	5.84	0	0	2	MASCOT	T	
9.45E-04	0|0	orange1.1t00673.1/ora	6	0	0	2	MASCOT	T	
2.72E-03	0|0	Cs5g17140.1/orange1.	4.31	0	0	2	MASCOT	T	PLEX8
1.20E-02	0|0	orange1.1t01102.1	6	0	0	2	MASCOT	T	
3.46E-03	0|0	orange1.1t01131.1	4.09	0	0	2	MASCOT	T	PLEX8
2.56E-03	0|0	orange1.1t01677.1	4.37	0	0	2	MASCOT	T	PLEX8
1.34E-02	0|0	orange1.1t01746.1/ora	8.75	0	0	2	MASCOT	T	PLEX8
2.36E-02	0|0	orange1.1t01814.1	4	0	0	2	MASCOT	T	PLEX8
1.97E-03	0|0	orange1.1t02113.1	8.47	0	0	2	MASCOT	T	PLEX8
1.06E-03	0|0	orange1.1t02213.1	4.37	0	0	2	MASCOT	T	PLEX8
1.96E-03	0|0	orange1.1t02553.1	4.59	0	0	2	MASCOT	T	PLEX8
4.66E-03	0|0	Cs7g02400.1/Cs7g024	5.4	0	0	2	MASCOT	T	PLEX8
8.07E-03	0|0	orange1.1t03228.1	6	0	0	2	MASCOT	T	PLEX8
1.48E-03	0|0	orange1.1t03235.1	4.54	0	0	2	MASCOT	T	PLEX8
4.53E-03	0|0	orange1.1t03873.1	8.75	0	0	2	MASCOT	T	
2.42E-02	0|0	orange1.1t04013.1	6	0	0	2	MASCOT	T	PLEX8
2.26E-02	0|0	orange1.1t04378.1/ora	4.37	0	0	2	MASCOT	T	PLEX8
7.53E-03	0|0	orange1.1t04875.1	6.05	0	0	2	MASCOT	T	PLEX8
1.71E-02	0|0	Cs6g07950.1/orange1.	5.32	0	0	2	MASCOT	T	PLEX8
3.46E-03	0|0	Cs2g11070.1/orange1.	4.53	0	0	2	MASCOT	T	

I113	I114	I115	I116	I117	I118	I119	I121	IValid
33180.7	30476.9	25967.6	12868	35572.9	27959.7	25726.7	32034.3	TRUE
103726.1	78151.4	53063.5	65314.4	76361.2	56279.4	81172.8	89536.7	TRUE
964340.9	865901.9	1026278	1301623	1469038	1132284	1305096	1359900	TRUE
2113148	2012893	2270553	2853859	3029737	2365787	2879827	3081840	TRUE
55238.2	108653.6	66644.3	77202.7	100857.6	43132.9	51384.9	42976.8	TRUE
76685.7	105658.7	75025.7	106496.6	94210.7	69185.7	103907.5	82227.6	TRUE
75266.2	83142.3	60465.9	103465.3	88148.2	49471.2	75337.8	80174.3	TRUE
40589.4	97859	57625.2	107621.1	119951	17399.8	21692.4	28470	TRUE
78711.9	95142.6	68837.9	101390.9	105761.4	56166.2	58482.2	70073.5	TRUE
26067.2	22957.1	23427.7	33921.3	27359.2	23361	34492.6	22602.9	TRUE
47286	77998.8	70697.6	81935.9	79327.2	52236	35283.8	49048.8	TRUE
30019.3	78486.3	69696.1	63678	78808.7	34717.1	12206.9	16054.4	TRUE
46452.2	27712.3	40155.8	43200.5	35305.2	48143.3	40620.7	43536.9	TRUE
145599.9	144408	151006.8	175695.4	175937.6	163265.9	165349.3	154004.8	TRUE
135032.8	138690.3	136555.4	148830.7	140023.8	143740.9	170205.5	144764.2	TRUE
155988.4	159975.9	148347.8	164468.2	152221.3	138429.7	182501.8	173364.7	TRUE
149786.5	132607.2	128260	139542.5	145311.2	135548.8	150223.3	150722.8	TRUE
138529.2	159903.8	108483.9	153797.1	125888	151589.4	157821.9	168711.2	TRUE
130508.6	129909.9	90574.3	84813.1	106674.5	92946	99738.9	104735.7	TRUE
194169.7	171370	163671.3	205125.8	200048.9	164706.5	175039.7	215912.5	TRUE
240416.8	244923.6	216343.7	228145.5	258833	199454.6	220146.7	239978.4	TRUE
441609.7	368858.1	368966.2	432017.3	486947.6	411998.3	430065.3	483848	TRUE
373877.7	373068.2	296909.5	374923.1	500636.4	354228.9	377679.4	488071.1	TRUE
199980.1	204683.3	223388.5	208104.7	209392	227520.3	241014.3	223787.9	TRUE
417966.8	400546.2	321370.7	404517.4	413004.2	354034	389237.2	381420.8	TRUE
581150.9	588502.7	528042.9	593602.7	648464.4	528107.1	594613.7	626622.6	TRUE
148777.2	143445.4	156376.6	180455.9	158865.5	193510.7	174665.4	183825.4	TRUE
294375.3	322399	286707.6	341183.2	356911.2	307564.7	355592.9	359013.5	TRUE
44348	96185	51665.4	75332.9	93527.7	29800.7	16160.7	40806.1	TRUE
2190321	2027520	1866892	2054011	1834553	2188317	2242175	2287845	TRUE
1458239	1378893	1251430	1454433	1249118	1425045	1589750	1583852	TRUE
43287.9	74501.6	68303.2	69003.9	91970.6	32716	27863	40975.3	TRUE
157032.8	205130.8	164167.2	181116.8	142927	128177.4	207486.5	128861.6	TRUE
389656	390078.6	299530.2	372194.4	411828	294154.9	417974.6	382322	TRUE
2165617	1906886	1415214	1860269	2058577	1589639	1884501	2041526	TRUE
872452.3	753777.4	821171.9	896991	712248	875351.7	815683.1	788458.7	TRUE
1595301	1486165	1645943	1720610	1343430	1612258	1597817	1457073	TRUE
95205.7	97990.9	120816.7	101706.1	100436.3	87000	118244	109191.8	TRUE
124877.6	93251.8	146224.4	148288	142141.7	126997.7	134935.6	141770.4	TRUE
80474	82179	88848	108539.6	96990.1	81815.7	111418.7	100501.7	TRUE
36925.5	37610.8	35330.2	45874.9	46935.2	48950.3	54836.5	50435.9	TRUE
154389	135931.1	139701.5	117057.9	119033.7	174570.8	152125	163283.5	TRUE
148903.5	133076.3	128817.1	118953.3	119725.3	108782.5	130356.6	155677.6	TRUE
44276.2	38455.9	23076.3	43489.5	33966.3	40512.9	43590.1	57793.7	TRUE

94942.5	74013.3	67987.5	79263.6	93063.7	97889.8	95006.7	102101.9	TRUE
22531.9	28131.8	25661.6	31195.6	19563.5	24354.1	27008.7	27456.8	TRUE
215535.2	194412.5	245396.3	252990.6	323754.8	233663.7	273401.9	252273.4	TRUE
32300.9	42887	12803.2	107266.6	31011.5	14283	43256.3	33728.1	TRUE
1857545	1647446	1177009	1716521	2026013	1525127	2080856	2198781	TRUE
52144.9	114224	50973.6	139560.2	106047	39498.8	54985.9	43486.6	TRUE
668394.9	908449.6	1063529	987214.7	647529	1012872	979225.6	976433.5	TRUE
547394.7	475690.5	561119	677216.5	467486.2	719003	755366.3	708859.8	TRUE
335949.8	282075.8	389157.6	378991.2	269332.5	453074.6	413177.2	435948.9	TRUE
101387.3	74949.8	80413.2	102979	105644.4	91386	106443.5	123803.5	TRUE
326595.5	270161.2	253411	310084.1	283956.9	380798.1	320778.2	404416.2	TRUE
83569.6	62654.4	70603.4	72584.3	72089.6	82696.4	81071.4	94515.4	TRUE
165177.1	201390.5	181186.6	164993.5	186443.4	192150.1	208851.7	186023.5	TRUE
159080.6	158632	134806.2	171952.2	148184.2	163343	170387	168634.8	TRUE
157423.1	146970.6	154898	178335.3	169455	153640.9	161816.6	184133.2	TRUE
131691	115899.2	148066.7	158808.7	190370.1	149688.8	162618.3	182401.6	TRUE
47065	74204.5	52514.2	62014.4	76173.3	63700.1	78676.2	62509.1	TRUE
170672.3	177513.4	137833.1	182049.5	177814.6	116738.7	130283.1	130486.8	TRUE
389014	312116.7	428102	434005.7	372460.2	436078	410531.6	401647.3	TRUE
319953.1	310776	318769.2	379928.8	320878.8	379655	374202	355315.1	TRUE
19690.5	20218.6	11251.9	10167.6	21444.7	26203.6	10227.3	20007.3	TRUE
138981.1	114925.1	127489.2	165097.4	155108.7	121789	99601.9	114168.8	TRUE
210443.9	197796.2	207752.4	178483.5	222164.7	180744.2	181354.9	214197.6	TRUE
18832.3	9195.9	14007.2	8844	20234.1	18076.6	21883.9	20791.4	TRUE
58069.4	69944	77879.1	75738.1	58371	84340.6	73287.4	64896.9	TRUE
264077.8	238013.1	258025.1	277533.1	242598.1	290807.1	248770.4	263208.8	TRUE
2024199	1760187	2114484	2146754	2362697	2102234	2037355	2059274	TRUE
282580.8	251991	289743.8	332104.4	410756	285627.1	338650.6	369504.1	TRUE
1051425	1164479	949277.6	1207314	1027445	1106228	1158873	1088804	TRUE
102852.4	121687.2	87158	107510.5	117978.9	116947.7	117860.8	126526.7	TRUE
486275.3	542036.9	517940.4	533560.9	430532.1	500068.4	603494.7	548224.9	TRUE
142419.7	104684.7	163146	124317.9	104120.8	127395.5	128194.1	99387.8	TRUE
213162.1	122822.7	147799.8	167125.2	189645	184616.3	171473	235829.2	TRUE

44173.2	44555.3	53465	45932	79489.1	53677.3	56631.5	75791.7	TRUE
59779.6	48600.8	28409.2	12924.3	22202.8	43588.1	48849.7	39811.5	TRUE
94013.2	51742.5	77069	76246.6	85827.3	89704.5	75161.8	97848.1	TRUE
84981.8	105079	78939	92361.9	123351.3	80983.7	99979.1	108539.9	TRUE
351981.8	318588.7	276346.1	309272.3	368368.7	282032.1	382245	390726.2	TRUE
449655.4	512899.3	302846.4	584317.2	644456.4	302446.3	588553.1	627061.1	TRUE
1962720	2084266	1210469	2033873	2457033	1297813	2235780	2682932	TRUE
55640.5	64338.7	41994.1	39376.1	61789.9	38291.7	83207.5	59856.5	TRUE
140220.9	151831.6	133032.2	172762.3	176027.1	123744.9	164494.7	156018.4	TRUE
110390.4	109183.7	77883.6	144400.1	161203.6	87002.4	153612.4	164888.8	TRUE
3175582	3954006	2046464	3861610	4634093	2070125	4207453	4698142	TRUE
127954.1	141611.9	113722.7	158695.6	174486.5	120188.1	149599.5	170569.7	TRUE
99523.1	178054.8	111311.6	139191.6	123429.2	67283.9	88020.6	89693.4	TRUE
85260.5	73318	67700.2	70095.5	91191.8	66189.2	61092.5	78165.4	TRUE
134452.3	132942	98952.8	135490.6	141217.3	101527.1	118635.9	110892.2	TRUE
479072.7	408374.9	381396.4	379259.4	473058.6	363565.2	389123.1	480462.5	TRUE
92635.2	92525.9	99220.5	93266	95471.1	90414.7	103807.8	101512.5	TRUE
31686.4	30091.9	18864.1	28472.4	23833.3	25767.6	29124.2	26918.7	TRUE
119198.5	85919.3	100137.3	126185.5	67815.2	209194.3	104821.5	207018.1	TRUE
26199.2	27151.5	23139.7	22461.4	28175.4	21539.5	28962.8	33898.9	TRUE
111562.6	103998.9	79118.8	120525.2	120958.1	91713.8	114698.9	129070.6	TRUE
30634.7	30345.9	18731.3	38418.7	20441.7	29667.6	23147.1	24816.2	TRUE
68737.3	81025.3	63817.7	66030.2	51628.5	68451.2	61017.8	61579	TRUE
483547.3	450828.6	308319.7	395625.8	427010.3	334991.5	408732.8	397045	TRUE
460175.4	402338.7	327380	394333.8	359577.2	302847.8	356198.3	358967.5	TRUE
639214	633751.9	610461.1	662463.9	660796.6	626148.9	689102.7	708939.1	TRUE
2359145	2333903	2222996	2803368	2809267	2407217	2719779	2804643	TRUE
93389.6	83523.8	100170.5	105986.1	107991	132225.2	118621.8	113756.5	TRUE
141056.3	207332	151680.6	220825.6	256925.1	132657.7	109704.9	123309.3	TRUE
35225.7	76622.1	42259.1	51248	62051.7	20441	20100.8	11354.9	TRUE
2897529	2691397	2570753	2775859	2452464	2792476	2951280	3034034	TRUE
817659.4	839018.4	715523	865760.5	724441.3	817791.8	898914.4	870068.2	TRUE
619389.6	540965.1	475783.7	598544.9	525043.3	570277.8	563794.9	639186	TRUE
573806.2	660896.6	492316.2	620566.6	540724.7	523784.8	562092.5	596978.7	TRUE

1618861	1766627	1530468	1733605	1529493	1859250	1855775	1792198	TRUE
130926.7	179671.3	122737.8	96965	103232.1	118011.7	133682.1	112827.4	TRUE
92104.4	125335.2	83972.3	85590.9	85267.7	84430.4	107549.6	95040.3	TRUE
135932.8	126957.8	127126.3	153952.3	139318.4	136571.6	156671.8	139156.9	TRUE
72985.8	76039.5	61319.3	82344.2	87936.4	63800	81090.8	94200.4	TRUE
41055.6	26679.2	38899.8	28767.7	49865.5	28656.5	40073.5	42738.6	TRUE

269209.4	252636.7	159705.8	175952.5	228102.4	167358.4	212627.2	236757.2	TRUE
44108.7	43127.7	39609.7	53553.8	68699.4	49807.6	66626.9	60375.8	TRUE
226926.4	209653.1	189743.6	265912.6	319277.1	217703.5	260543.6	313568.4	TRUE
165430.1	191534.2	121004.4	194296.4	204726.7	140860.7	197275.2	192955.3	TRUE
139468.5	152219.7	111346.2	158016.3	117151.1	102391.8	133560.6	121833.9	TRUE
179071.9	173943.9	178078.5	246351.9	213780.9	182328.4	202170.2	219981.4	TRUE
1157417	1243478	1174059	1239479	1016474	1266454	1166004	1122314	TRUE
334225.6	399251	362734.6	387805.6	368374.2	341511.3	389545.8	416423.4	TRUE
148523.1	111419.1	130249.3	130375.9	121546.3	134549.4	122122.5	122865.7	TRUE
192415.5	140893	134122	145179.5	156137.7	114446	167690	144957.4	TRUE
141294.8	120068.5	93674.7	85065.8	96964.8	86532.9	97381.1	84098.2	TRUE
103757.8	111660.2	98842.7	80723.6	82168.4	79351	79010.3	119921.3	TRUE
2098123	1827022	1795216	2111476	2441065	1774178	2052428	2273247	TRUE
281793.3	312179.6	249540.5	293744.4	315416.7	265085.3	301803.9	323001.6	TRUE
63987.7	98251.6	69647.7	98988.9	97016.4	48094.9	55559.7	43356.2	TRUE
3985946	3584042	3998528	4169012	3372825	4179686	4281976	4221082	TRUE
1734008	1839485	1791626	1877044	1533978	1972212	1907321	1932116	TRUE
65355.1	75714.9	71425.7	70901.4	73209.9	61495.1	64624.1	66666.3	TRUE
127284.8	118985.1	107088.3	154027.8	145480.9	193797.2	127020.7	134004.4	TRUE
429081.3	498177.1	426895.9	537770.2	523937	439727.7	470655.9	450673.1	TRUE
68414.4	90534.6	71209.6	88938.9	96875.9	117734.3	88562	79486.7	TRUE
872313.4	868208.5	783366.1	882531.9	859925.6	785755.5	827452.6	837719.1	TRUE
169139.2	161270.5	106950.3	133323.8	115967.3	83808	104022.9	89240.7	TRUE
2450307	2614065	2250704	2179285	1947946	2578640	2377024	2448570	TRUE
369599.4	332860.3	282406.1	315252.5	260809.9	323836.9	342876.4	260958.1	TRUE
167730.8	152342.5	140076	219691.2	129972.4	496680.7	213689.5	164879.7	TRUE
77270.5	92757.6	97097.7	102702.5	79318.9	64870.1	74561.2	69432.5	TRUE

52953.6	55737	58249.9	51852.2	38665.8	64233.7	48395.9	45754.3	TRUE
50432.8	33580.6	34511.9	36517.3	27386	65564.6	63812.5	49411.7	TRUE
360014.5	254874.5	350989.7	357130.1	436604	374879.9	292765	322222.2	TRUE
296587.4	242016.9	317008.6	286659.4	397547.4	415073.1	426528.8	334268.7	TRUE
190586.4	171492.3	226430.1	190248.9	228044.6	338287.9	343000.5	259341.4	TRUE
128070.6	160431.9	138507.1	134164.6	139335.5	113223.1	115121.6	120936.7	TRUE
141728.5	162119.1	118656.5	124723.8	99457.1	110899.9	124833.5	104559.7	TRUE
184276	161110.3	219809	230337.3	147753.9	188280.2	177274	152046.8	TRUE
194095.6	155295	225125.3	223298.8	243183.8	214081.6	163502.1	205578.3	TRUE
380086.6	366712	381338.5	407750.5	432074.6	359209.6	297161	362712.9	TRUE

347293.8	266410.5	331692.6	330803.5	289146.5	360822	299044.2	289237.7	TRUE
168658.9	143269.6	201990.8	150769.2	127715.3	204335.5	177656	148586.6	TRUE
154500.7	160174.4	187565.4	170697.7	138852.6	179912.3	162417.9	142709.1	TRUE
258834.3	298244.8	256354.4	281634.1	243366.8	277217	306748.2	258340.6	TRUE
180176.8	121311.4	183258.3	182115.4	209484.2	193489	142144	161795.5	TRUE
566969.1	581911.6	689148.9	624061	512884.1	558536.1	615525.6	609914.2	TRUE
239965.6	341419.7	264727.6	204760.1	188932	275380.9	266417.4	203442.2	TRUE
78494.6	54325.4	69518.6	61872.4	48636.3	58459.1	57191.4	66195.4	TRUE
144624.1	143547.6	168785	181447.4	162064.7	172900	168329	149247.9	TRUE
59428.6	85032.5	66439.5	61785	73615.1	86934.2	74627.5	72057	TRUE
444969.5	408767.7	409726.7	372924.5	433417.8	414388.6	448654	464044	TRUE
594007.8	580186.9	779553.6	513537.4	497648.8	1200959	674194.8	538837.8	TRUE
383705	310122.7	434732.8	383458.5	302987	499717.4	336509.4	319927.7	TRUE
642031.4	562655.5	610420.6	617667.1	854729	690029	512147	691855.3	TRUE
19054.2	18786.3	22057.1	18897.8	18651.5	21382.2	10429	9819.5	TRUE
147601.7	106430.4	141166	146008.6	93339.1	165143.6	114169.1	119874.1	TRUE
41033.9	34119.8	42949	53445.7	35219.3	61145.8	38136.9	58810	TRUE
926086.4	690980.2	929552.4	923661.7	1089290	858647.4	737709	902433.9	TRUE
121703.4	128329.7	145627.7	133662.8	136282.9	135178.2	132909.1	130786.1	TRUE
691983.3	602733.8	781666.9	736081.2	859824.6	708805.6	672162	672922.8	TRUE
376383	329826.3	407223.2	363119.3	431471.1	361758.3	336254.2	350424.1	TRUE
145765.6	154973.9	158173	121627.7	141826.8	164617.4	140567.4	123823.4	TRUE
229115.5	230265.8	260991.5	243917.8	163350.6	247717.8	261094.7	178133.9	TRUE
172843.2	110969.8	180483.5	173759.6	215456.7	165636.8	133606.3	155462.8	TRUE
382097.5	367024.6	369988.5	366502	374112.9	364665.9	321600.2	370726.5	TRUE
170555.3	135128.1	169570.8	135006.7	108740.5	184733.4	151557.4	114031.6	TRUE
232248.8	206482.9	333033.8	242022.8	194777.1	344079.2	219687.5	191628.8	TRUE
34558.5	26019.6	42876.8	31872.4	29259	32351.2	46673.4	21878.1	TRUE
52755.6	73106.4	50708	65428.1	44479.2	66568.1	75023.9	45075.2	TRUE
250116.5	234983.4	262219.9	223863.9	235281	273497	231532.2	207876.1	TRUE
208152.2	239370	277053.3	214485.6	194854.8	277220.8	211053.9	191776.7	TRUE
41953.3	30130.3	31195.7	31141.4	46379	29982.5	31984	32091	TRUE
265557.2	299666.1	275057.8	281611.6	224731.4	312754.1	269839	263042.2	TRUE
556265.7	423161.5	540416.9	609680.3	598540.3	525038.6	484345.4	540197.8	TRUE
184201.1	160879.9	173706.2	166419	132765.8	211465.2	195908.2	168668.5	TRUE
21664.4	29350.1	34523.3	10131.9	30850.1	38749.8	36495.8	14128.6	TRUE
226646.5	211983.8	279678.9	235491.6	167655.5	316996.9	214573	181036.4	TRUE
345023.7	302412.8	368553.6	297345	216247.8	416331.7	358219.9	259247.9	TRUE
108915.8	109188.4	130236.1	217939.2	143628	158091.4	133773.2	98483.3	TRUE
152634	96872.5	107466.4	138345.6	100406.6	180216.3	160391.8	129645.1	TRUE
109162.1	58292.4	81527.7	107850.5	108682.3	90669.8	87506.9	115129.9	TRUE

63413.3	65998.2	54744.5	65616.5	60914.8	56186.8	53314.6	53321.9	TRUE
89250.3	109313.4	125361.7	78920.7	65007.3	113635.4	103496.1	75351.7	TRUE
155246.6	182030.9	145844.3	173528	169479	115608.3	153198	113001.5	TRUE
53188.9	61841.9	58618.4	71061.5	71908.4	47301.6	67534.8	65343.6	TRUE
50174.9	50810.9	35272.4	64361.3	50093	46279.9	47438.3	54305.2	TRUE
33799.6	34154.1	22686.4	32498.8	37859.4	42219.4	45399.5	48381.8	TRUE
55047.5	44790.5	37545	64899	50342.5	53950.8	51405.9	54552.6	TRUE
188292.7	150376.9	73476.6	98611.1	105941.4	96565.9	134224.1	112765.4	TRUE
178837.9	165400.2	200378	211335.5	220343.6	209830.4	196778.9	204255.3	TRUE
111933.5	101226.6	102955.7	109015.1	120932.7	132099.7	126937.3	102503.5	TRUE
49267.4	41760.2	38607.5	45018.9	37557.5	55868.2	40585.3	46339.9	TRUE
208484.7	214675.4	224879.4	249610.1	273433.5	203855	250731.1	255076	TRUE
909799.5	949922.8	935714.1	1016690	703794.4	799948.8	944521.6	932018.1	TRUE
170515.7	133338.2	132131.8	139052	107519.5	173451.8	165839.9	169330.9	TRUE
74470.1	67893.1	40821.8	53616.1	62021	57809.8	83015	71923.8	TRUE
191814.5	204342	175913.9	197864.2	167408.6	168021.9	208273.9	160245.1	TRUE
106710.9	121233.3	109449.2	110105	126982.2	98831.7	110130.9	125532.6	TRUE
155027.3	155924.2	132020.6	153355.7	165766.1	131577.7	161882.9	156958.2	TRUE
82672.1	79238.3	68565	76014.1	72286.6	84305.5	73021	75977.1	TRUE
260607.2	247693.4	163698.9	203763.1	237676.7	174609.5	233511.8	240407.2	TRUE
278452.7	246040.2	251020.5	299302.2	279571.3	272237.5	300012	284770.7	TRUE
64503.5	46983.5	38504.8	75411.4	105046.9	53432.1	97715.9	88443.9	TRUE
169147.4	160781.3	169072	206471	125025.9	170189.8	193779.9	194640	TRUE
104076.2	111881.3	86783.4	93431.5	95698.8	100974.8	120683.3	97426.8	TRUE
69487.7	59167.7	88194.5	75279.9	63054.6	49400.2	61199	51237.3	TRUE
203581.1	188115.1	131359.8	186451.2	142613.9	173517.8	187538.3	185747.1	TRUE
43085.5	35509.9	36201.8	46335.9	44206.2	34035.1	28165.3	33705.5	TRUE
182432.4	150790.8	121872.4	130000.7	161410.5	133046.5	186942	182306	TRUE
55483.3	51811.6	50379.4	44010.7	66910.4	49324.1	53292.6	42649.4	TRUE
37437.4	38635.3	23426.5	33380.7	56342.3	24465.6	49144	56858.1	TRUE
20513.4	6187.5	7896.1	9800.6	12972.6	4666.6	12993.5	24663.9	TRUE
166221.1	167191.7	159184.4	181476	132254.9	134397.5	165952.2	167073.9	TRUE
184406.2	176368.2	115670.5	116736.6	108447.6	114880.5	121450.3	108280.2	TRUE
308816.4	296077.6	255627	331555.1	307819.5	273215.8	313656.6	284814	TRUE
669029.4	579400.7	675565	614874.6	562246.2	645346.2	624214.9	637308.6	TRUE
56305	46006	69543.5	41487.2	45449.3	35507.8	44747.6	39279.3	TRUE
134268.2	137832.8	133269.2	128652.2	125601.9	126662.2	129516.6	127464.2	TRUE
142488.2	142001.9	138207	123184.9	155478.8	132304.8	133473.9	144783.8	TRUE
68836	77880.9	66055.8	59297.1	57825.2	56106.6	71225.7	65171.9	TRUE
32539.2	43094.2	27935	31440.3	39785.2	41561	42940.3	46951.7	TRUE
46803.1	45931.4	61745	56392.2	46501.2	35949.8	53480.7	36714.8	TRUE

45797.1	60292.3	36710.5	42232	55333.4	59474.7	72546.9	53716.6	TRUE
18059.4	23849.8	36658.1	24857.9	21162.7	25663.2	35370.4	18608.9	TRUE
91097.1	116624.9	93179.7	95491.9	113544.1	107086.3	118504.7	125016.8	TRUE
94967.8	102388.3	92955.3	68996.8	90530.5	97187.9	149425.6	104526.1	TRUE
18273.8	25883.4	13978.3	8212.4	28523.4	19100.6	46247.7	38328.4	TRUE
44001.3	50365.5	57953.6	62809.2	41066.9	50531	64718.9	59992.4	TRUE
192324.5	225019.3	160491	179617.7	191338.7	162236.1	179028.7	178742.6	TRUE
778236.4	697417.2	806806	797483.1	707054.5	740731.7	780622.6	721834.7	TRUE
20664.5	28953.1	15277.2	35107.6	37240.9	18926	40059.4	34186.8	TRUE
901757.6	838558.8	826289.6	878004	809471	888103.6	904177.8	853318.8	TRUE
24818.2	27012	20096.4	28238.3	32546.3	30378.6	34318.4	39717.2	TRUE
25607.6	28374.8	29679.5	31633.4	26793.2	49526.8	42172.8	40473.6	TRUE
1931747	2093812	1448429	1580760	2274864	1502801	2136928	2325314	TRUE
2583295	3104179	2931509	2975142	2195673	2207160	3184508	2238238	TRUE
127236.1	117027.1	96486.1	106570.2	126756.7	94457.5	132724.6	116953.5	TRUE
167064.8	182641.5	151831.3	184551.6	189179.1	114730.1	198442.5	196852.1	TRUE
99105.4	100330.7	72702.3	91658.6	108173.1	90084.1	107106.8	111790.3	TRUE
1223223	1370346	977586.2	1433344	1390112	1059520	1435252	1449186	TRUE
526385.7	470267	412919.8	485427.2	560271.8	453252.3	567686.2	608851.1	TRUE
45629.1	45682.5	43341.5	60111.9	53895.7	38969.7	32183.9	44752.9	TRUE
1103708	755341.7	1171032	1248469	1062593	1264984	817741.4	1060404	TRUE
132341.6	118708.8	142153.5	124172.7	102355.2	133571.1	119482.6	103084.1	TRUE
37290.8	45789.3	50321	51294.7	40390.9	52323.4	46309.9	38908.1	TRUE
25994.5	39819.2	39195.9	65900.4	63935.1	15092.8	5610.3	7171.5	TRUE
529191	292210.8	548629.4	483773.5	456765	554192	368052.7	500165	TRUE
2297289	2119501	1712482	1801927	2469841	2415092	2185558	2352962	TRUE
41277.2	46120.8	48832.8	44429.8	55668.9	6813.3	34643.8	21845.8	TRUE
159404	124509.2	110303.9	106789	162425.6	149295.8	141501.2	164282.4	TRUE
38523.3	28979.3	36249.7	32463.4	34450.2	40461	34514.9	35399	TRUE
325005.3	260019.7	208201.7	231102.9	241618.7	580867.3	312617.5	614777.2	TRUE
72045	53275.6	78622.5	60128.7	53182.3	88608.6	61416.6	59380.7	TRUE
83177.8	73616.4	120174.3	127442.4	115281.7	129628.4	80559.1	102960.2	TRUE
172563.7	123645.4	138086	127445	115109.1	184616	133335.3	176836	TRUE

112393	96860.8	104003.3	125001.1	108745.3	105895.6	108059.7	109381.2	TRUE
134565.4	116751.8	118311.2	78912.7	106923.9	109118.5	136328.9	121143	TRUE
50357.9	25641.5	30721.5	41151.7	39202.7	55070.6	37404.8	51672.8	TRUE
25890.2	8781.7	8581.7	13278.5	22738.8	38933.8	16784.9	21827.9	TRUE
253654.6	118705.4	174603.8	247124.6	227337.7	315276	214420	298393.2	TRUE
8910.8	8937.5	17296.4	7461.7	5533.3	20914.1	9191	7480.3	TRUE
151725.9	110271.5	168442.9	178550.4	145580.2	168508.1	110407.6	144447.2	TRUE
859028.4	591763.9	914750.1	938790.7	898964.4	1015594	628726	784513.8	TRUE
700273.9	428567	775318.1	784204.4	687138.1	842298	523745.2	679349.4	TRUE
663356.2	423682.7	751726	737369.7	647363.3	803765.3	465973.4	669141.4	TRUE
254442.6	230184.8	261478.9	247657.9	258331.5	305375.5	237170.1	273222.5	TRUE
137189.3	127891.2	121335.8	123678.4	151183.9	137781.4	127051.8	140151.9	TRUE
164596.9	175250.6	161095.3	180336.9	164817.8	179448.8	151617	169219.1	TRUE
145557.6	124932.5	132883.3	145961.1	135756.4	137507.7	115209	138324.6	TRUE
564334.5	478633.8	693929.3	683623.3	635737.6	735304.7	476752.3	629062.9	TRUE
148290	98165	131288.2	139852.7	123548.6	178810	116977.3	113519.2	TRUE
109812.9	153798.1	210450	266499.4	298561.3	127260.5	66267.6	79913.2	TRUE
123420.5	84048.8	96089.4	116092.9	113219.2	135713.4	94124.1	126743.4	TRUE
119365.2	56932.6	114612.5	125133.5	98118.1	112593.3	85050.7	118886.4	TRUE
47820.5	36430.6	67420.5	56399.2	47517.2	59661.9	39699.4	57748.9	TRUE
1978469	1772280	1549521	1496268	2292025	2048613	1815004	1945929	TRUE
2079627	1984236	1356976	1441977	2437567	2172837	2009361	2112723	TRUE
222846.1	475674.4	214142	342529.7	632743	145094.1	127127.4	149808.4	TRUE
238771.2	221191.9	173521.5	160716.2	233234	231284	255449.7	238643.1	TRUE
80627	66223.3	60524	71719.9	63971.1	140304.2	91418.6	151528.6	TRUE
21935.5	16830.7	16745.5	6235.2	17398.6	14156.5	18382.7	5362	TRUE
372704	219393.2	470765.5	391364.8	360905.6	485919.5	263417.1	384126.2	TRUE
246380.1	237135.6	174360.7	181669.9	297553	295336.5	253118	267816	TRUE
399109.9	362535.3	288722.9	925448	338658.4	324347.3	307575.9	353196.3	TRUE
1097957	823110.9	1069259	1083845	848888.2	3017697	1024813	2587691	TRUE
1508445	970115.5	1683868	1006068	1722524	1777901	1062040	1868898	TRUE
26101	44035.8	56314.2	46117.8	89525.5	21524	9820.1	27807.6	TRUE

682855.6	542726.3	995545	755185.1	561221.6	885736.4	553479.9	606878	TRUE
843727.1	752987.7	620000.4	710274.7	1082832	900922.9	737877.7	834917.3	TRUE
36559.1	33502.1	45641.7	47121.6	48581.6	47194.6	32079.7	44388.5	TRUE
62855.8	79553.8	84923.2	69404.8	69576.4	78362.1	69891.6	76789.7	TRUE
76582.7	43838.5	73756.7	87949.9	62010.8	89636.8	48804.5	55114.8	TRUE
191109.5	107189.5	213552	170796.7	203501.4	203793.2	129972	171422.4	TRUE
36319.2	24390.2	42880.9	40301.4	45073.5	39646	32864	32137.3	TRUE
144087.4	92696.2	153222.2	116285.6	241206.3	135083.4	97934.5	256540.1	TRUE
739022.5	762798.9	600960.4	609638.9	857813	820169.6	838345.2	917924.4	TRUE
1074154	890159	1223213	985860.8	898961.1	1178387	872924.3	931271	TRUE
3983395	2986590	4364333	4504743	4036076	4874358	3502037	4402059	TRUE
1215896	881654.6	938681.3	1123776	1007017	1396623	964169.1	1262085	TRUE
198571.1	120411	254203.2	208978	177096.6	286279.5	128297.4	206032.8	TRUE
85697.4	90826.1	87479.7	122635	122412.3	57359.4	81129.6	52557.2	TRUE
29471.6	12236	33243.8	22849.7	24615.3	28716.6	14069.1	29966.8	TRUE
69820.5	52721.6	72611.7	69653.5	73939.3	72600.5	52274	86831.8	TRUE
69386.6	49421.2	84375	83312.4	102087.6	91332.6	62249.4	81736.2	TRUE
16640.2	11836.3	20629	30708.1	30882.8	21356.5	21304.2	27229.6	TRUE
114167.4	79190.9	146049	118522	97430.7	140668	109328.7	115875.5	TRUE
98044	65284.8	103806.7	108147.2	91035.1	119268.9	85604.3	101797.8	TRUE
325643.9	268665	446660.2	403027.9	419308.2	429586.2	301630.6	419105.3	TRUE
167895.6	125249.7	230008.5	188218.5	201064.1	219695.9	144130.2	205522.1	TRUE
48643.9	58139.2	65511.6	83602.6	60999.9	82102.8	59980.8	61335.4	TRUE
30387.1	25837.5	32965.9	35835.2	31093.8	34432	31504.8	39068.3	TRUE
55570.8	37392.2	72524.8	69493.7	76079.9	72638	44908.7	70881.5	TRUE
61971.1	95432.3	134863	124348.2	161929.2	51524.7	35044.6	56153.7	TRUE
62072.5	73490.9	83707.6	66581.3	68644	85423.7	48055.5	60051.4	TRUE
81884.4	60598.1	89039.3	92848.1	80055	88445.4	71425.7	81661.9	TRUE
1539448	913070.6	1795310	1689185	1424568	1901731	1119955	1384793	TRUE
480902	294826.4	596791	483919.6	446377.9	579166	368954.8	503031.9	TRUE
138338.3	124360	131169.5	175052	153594.2	147047	125990.4	133971.8	TRUE
324814.5	301693.5	298672.4	293439.1	298199.6	328527.2	305404.2	304549	TRUE
68067.4	62737.6	58531.5	59923.9	68212.1	64057.7	62461.6	60226.9	TRUE
80516.4	115613.7	146951.5	197618.8	194357.6	57216.9	23222.8	65130	TRUE
706385.5	601828.2	514627.2	556651.5	904203.9	804842.1	677432.8	776832.5	TRUE
1204449	1151104	968237.5	1042932	1540923	1390143	1400691	1278048	TRUE

63895.7	51231.2	51441.8	55197.1	53295.5	79186.3	53502.6	65651.6	TRUE
829810	649129.2	584340.5	830035.5	757776.6	760808.5	799028	985683.1	TRUE
241242.6	143759.7	166425.2	235414.4	132332.8	191432	143978.5	205420.5	TRUE
89494.8	79034.2	71744.6	101453.4	87005.4	88119.3	82588.8	96316.4	TRUE
33182.5	28652.4	42331.6	50285.3	30415.6	58325.2	36604.2	53741.9	TRUE
172166	174323.9	205954.3	225767.5	210277.4	236769.2	144503.8	194959.5	TRUE
177584.9	90658.2	190419.5	188930.6	188411	298896.8	179883.7	227685.2	TRUE
74081	67010.2	57601.3	62027.4	62156.9	64381.4	69094.6	60574.6	TRUE
159040.8	157203.1	182846.7	155091.9	154279.9	171150.8	154858.2	157358.5	TRUE
240686.4	224565	216151.6	255730.8	270420.2	215754.1	294902.6	226104.1	TRUE
255083.1	216961.8	256477.3	279179.9	289939.8	299986.5	234203.7	325540.5	TRUE
47269.6	22726.4	23594	34777.9	40974.1	48043.9	36340.8	47040	TRUE
654822.9	452979.1	480661.3	524444.7	659204.8	620239.2	473288.4	752350.3	TRUE
319124.5	167934.7	312095.7	261435.8	214006	327943	157542.1	246147	TRUE
235101.5	144680.9	410372.5	350658.8	275001.7	453687.3	212005.8	317342.3	TRUE
670626.8	347039.4	1085031	1000772	784422.1	1289959	578924	830708.8	TRUE
44039.2	35269.1	29486.8	39574.1	37337.4	36278.8	29376.1	37306.3	TRUE
115774	92182.7	110419.1	114266.2	116955.3	121004.5	78537	111581.9	TRUE
25218.3	9396.8	17256.4	17269.8	26435	18166.3	24448.7	24383.9	TRUE
724587.8	609920.7	1001581	968760.3	853432	1064388	724057.9	936675.6	TRUE
325998.7	301552.7	335652.4	384424.8	357799.7	371921.3	296360	361652.7	TRUE
26940.6	41361.6	31840.7	43771.1	58950	21523	27209.5	26249.1	TRUE
40858.4	32433	39719.9	49594.4	46456.7	51451.1	43469.4	57525.6	TRUE
75616.4	51815.5	44599.2	60013.5	83863.6	87073.1	86803.8	88472.7	TRUE
305882.3	217172.6	341905.3	355794.2	333614.5	343400.1	240994.7	349276.4	TRUE
158984.9	128512.9	157044.8	172980.4	141286.4	136485.2	144271.3	160426.1	TRUE
310910.2	282132.2	329744.4	293031.2	275833.7	271786.3	237831.7	260182.4	TRUE

295559	283260.7	334194.3	369650	357205.8	440007.6	286032.7	330766.4	TRUE
1652578	487239	729179.8	712076.8	672818.9	748653.3	558118.4	628581.2	TRUE
116895.5	100522.4	121986	117576.3	114823.4	148271.2	87482.2	105522.2	TRUE
237753.2	159962.6	182002.6	188085.4	194243.6	213601.6	182201.6	173296	TRUE
272626.8	167190.2	156972.2	197787.8	218806.5	238754.1	246653.9	235065	TRUE

45881.4	39270	59136.9	56752	52064.5	56762.7	35538.1	47538.5	TRUE
118207.2	102506.1	141464	186155.7	122158.4	135803.1	113248	136770.5	TRUE
60466.9	46640.9	63928.7	54643.8	61540.8	62163.2	97161.5	63329.9	TRUE
68215.6	68268.2	94020.7	91251.9	91922.9	96327.8	76893.4	71794.6	TRUE
160383.1	121232	165455.4	150894.9	160883.9	178625.7	111687.3	158551.5	TRUE
38639.8	38253.6	27031.2	54785.7	43852.1	38312.8	45629.3	55460.5	TRUE
17334.2	8373.6	19676.5	10235.6	17466.7	30198.2	17981.4	16595.9	TRUE
165176.6	125504	206086.4	191179.3	191769.5	233241.9	156879.2	208680.2	TRUE
229946.3	189743.6	262613.3	217494.8	234847.2	280037.3	192713.9	261130.8	TRUE
152068.6	126914.2	118846.6	121548.5	167068	199360	197609.1	201531.8	TRUE
159180.3	158930.9	130420.7	157342.7	224156.2	207086.1	185463.4	183324.5	TRUE
2781355	2394284	3155278	3279269	2888444	3369335	2455040	2954561	TRUE
3074912	2734800	2105886	2019982	3383033	2948881	2677845	2939619	TRUE
7871727	5703032	9195047	9094817	8414078	9754547	6504459	8149535	TRUE
104795.8	146307.1	149043.2	229980.7	208392.9	100597.3	74806.1	88838	TRUE
6337213	5946417	4816688	5243398	6746345	7052337	6312404	6785962	TRUE
86023	82294.8	55187.7	54404.7	89320.7	64121.7	79707	91966.7	TRUE
41474.8	39267.4	22075.5	25482.3	44912.4	45563.3	40542.3	45067.1	TRUE
33722.5	21422.8	26372.8	11325.5	23473.5	42649.9	36443.6	43304.5	TRUE
408526.1	381775.1	402095.9	400495.8	601340.1	623743.2	515920.1	561933.6	TRUE
37159.5	50275.7	68062.8	39382.5	41065	42467.7	40453.7	33051.2	TRUE
46992.2	48691.7	56411.1	71250.2	67496	70810.4	74460.9	73313.4	TRUE
55507.3	61030.4	63645.5	56497.3	63935.8	54382.1	61862.3	52008.4	TRUE
98988.9	72903.8	88572.9	100563.8	84720.9	166006.2	120200.1	97241.9	TRUE
18977.1	8116.7	24431.5	8106	24516.1	27877.2	8719.2	11348.4	TRUE
24125.9	10690.4	18891.8	24961.7	22992.3	29035.6	14510	29485.3	TRUE
38158.7	28931.8	36268.7	40022	45290.6	36111.6	43018.2	47175.2	TRUE
91176.8	98220.5	97922	83122.5	111458.3	114930.3	94267.3	78252.3	TRUE
138543.3	182092.6	150994.7	178141.6	146291.8	118969.3	119699.2	133997.1	TRUE
214722.8	240039.5	198929.9	237556.2	245326.4	213943.6	196594.1	172349.3	TRUE

57418.8	39615.5	40988.5	31301.7	37546.9	41191.6	41337.6	39023.2	TRUE
123354.6	98191	128805	118690.3	127275.3	211076.3	119372.6	146353	TRUE
79232.2	51032.4	96063.6	93814.6	94716.3	163489.2	73722.7	149427	TRUE
105308.5	73822.5	117146.3	104777.5	79918.5	131247.3	69506	55268.9	TRUE
86613	76680.5	97539.3	82454.1	96796	105779.1	93962.7	94703	TRUE
36495.7	26800.3	41552	57864.4	54946.6	72586.7	35222.7	67097.7	TRUE
77159.3	90052.4	102009.6	95339.9	84584.5	71338.7	68187.2	72491.5	TRUE
69317.1	113763.5	71213.7	75874.2	111685	85827	72685.4	93224.3	TRUE
186930.8	260862.2	180256.4	164523.1	263232.4	175454.7	141811.9	164539.4	TRUE

140968.2	83997.6	175609.2	167526.9	145629.1	178118.4	98740.5	144769.5	TRUE
123152	98154.4	157017.9	138146.1	111938.3	141965.6	95518.2	111958.9	TRUE
70644.1	61930.5	68067.1	66404.2	99073	92529.2	69519.8	81251.5	TRUE
393933.3	393534	275788.9	277379.8	435071.3	433425.8	390128.6	442992.1	TRUE
124663.7	116078	94983.5	84979.8	145227.5	105831.5	99318.7	120644.1	TRUE
306415.4	271450.5	229570.6	223087.8	270216.5	268694.5	242149.5	267621.8	TRUE
192554.4	112650	211370.7	194579.1	151550.6	218541.5	122250.1	167713.6	TRUE
461194	351636.5	545459.8	479239	480801.9	578358.1	370998.5	426694	TRUE
200749.6	166572.4	242995.9	231700.2	187031.8	240782.7	172529.3	192646	TRUE
375109.6	250102.8	472552.5	436630.8	350353.2	458140.1	242042.8	338026.5	TRUE
378810.4	346500	480661.6	440647	422624.2	422136.8	366726.6	405696.2	TRUE
61734.8	63110.1	33557.6	61027.8	105747.1	88271.2	65018.8	67635.4	TRUE
4658511	4009369	3277471	3578143	6016556	4696282	4180948	4752822	TRUE
99922.4	82662.5	83418.2	98947.9	82888.3	67036.4	73090.1	84593.8	TRUE
475077.7	351651.4	308949.1	304518.7	325498.7	343364.3	259601.9	344100.8	TRUE
2242480	1778052	2497673	2741882	2449559	2673053	1884463	2503935	TRUE
953217.6	816107.2	1065217	1048172	995807.4	1115066	897464.3	1040612	TRUE
523548.3	475828.6	544204.7	618148.9	575845.2	588871.5	469471.2	642107.5	TRUE
46159.6	64393.9	65322.7	111095.4	103488	28870.9	31410.6	26517.5	TRUE
1990921	1869310	1630140	1490771	2187847	2256135	1967445	2090075	TRUE
388558.4	414596.4	364304.1	367552.3	460185.3	512384.9	467508.7	525681.8	TRUE
217523.8	261802.5	121236.2	170477.8	291669.1	52614.2	39014.5	50759.4	TRUE
90801.5	86060.8	72090.7	107082.2	99127.1	76821.9	104722.6	85387.1	TRUE
226027.2	170468.7	182943.1	180369.3	222553.3	177366.7	181492.7	222122.4	TRUE
472699.3	332599.2	358671.7	452759.6	415686	377617.7	312854.2	439218.2	TRUE
207675.8	194075.5	162900.3	197204.4	218252.4	191530.5	205917.7	221368.9	TRUE
1078452	982504.2	747966.4	748037.1	1056767	1160941	1043527	1054728	TRUE
332091.5	310746.4	309433.1	347784.1	348622.9	316295.7	336601.3	316938.6	TRUE
49438.8	51897.2	65828.2	64853.5	68613.4	56660	63377.5	50957.2	TRUE
60831.1	64744.4	45470.9	70090.9	64277.6	30981.5	45608	35818	TRUE
754130.3	669498.8	676931.5	670860.5	766890.7	866786.9	764502.1	868939.4	TRUE
458008.4	381935.7	412803	402190.2	426421.3	594227.5	454760.5	527841.2	TRUE
190461.9	158042.7	160969.2	169600.7	182219.9	194011.5	164457.1	214370.5	TRUE
461139.5	457022.5	409014	461088.9	467722.4	490073.8	491591	451298.9	TRUE
295106.2	258990.8	266584.1	341905.9	298265.5	289699.8	267505.9	301855.7	TRUE
539724.5	541578.8	580956.3	589354.2	569103.6	734474	646729.9	707006.1	TRUE
697923.2	692782.7	649017.7	641708.6	666362.2	814417.1	726551.7	782527.8	TRUE
25170	6512.9	22918.6	13048	22983.4	33795.9	35926	27548.1	TRUE
31256	35223.7	33805.3	31221.6	37919.1	34754.4	43276.4	39650.5	TRUE
176462	188953	129037.6	177254.5	160373.1	179377.7	177457.6	168479.7	TRUE
949744.8	758646.6	966418.8	1267425	1055906	916610.2	870793.6	980021.7	TRUE
118803.3	136272.4	155440.1	135944.1	125212.9	113943.6	92294.4	89217.4	TRUE
1334900	1156297	1200606	1214877	1371083	1365865	1227626	1253867	TRUE
86105.1	69042.2	82119.2	64304.3	99853.3	86185.3	77132.9	91373.4	TRUE

174961	165735.3	112289.9	135585.6	167781.3	130388.7	125067.9	172059.2	TRUE
164898.2	140549.4	142392.9	200329.8	218850.8	165508.1	168046.7	219505.9	TRUE
91182	62623.6	71061.7	85256.7	120645	96388.8	110344.6	135732.7	TRUE
128446.9	152197.4	150500.7	150066.8	111186.3	137496	179106.4	102248.1	TRUE
219333.1	242743.3	186992	203436.8	233938.8	230435.4	263551.7	232319.4	TRUE
30057.4	28156.5	26024.1	43566.6	26344.9	17641.7	28099.6	32432	TRUE
44723.8	34333.3	46083.9	63706.6	53574.3	66206.9	41853.5	49129.1	TRUE
52329.5	41805.5	81855.3	63496.4	102002.6	65886.9	45216.1	71228.1	TRUE
244342.4	152259.4	199495.4	253508	174051.2	255090.4	186965.7	181029.4	TRUE
579746.3	358429.5	333233.3	414693.7	595416.6	649229.9	370347.4	615582.6	TRUE
145844.2	126877.7	136456.2	154995.4	132986.8	154297.8	115992.2	153408.2	TRUE
691975	689087.2	597789.9	832068.4	710773.7	678967.8	727322.2	677788.4	TRUE
1012467	1014662	811244.4	1104825	980678.1	931298.9	1028371	964742.7	TRUE
26127.2	7945.1	30748.9	27556.2	20603.6	32609.6	10470	13528.1	TRUE
197221.6	164344.3	210960	218196.3	129791.5	220206.8	168018.7	141439.6	TRUE
158059.3	123666	132481.8	161333.8	184802.9	183854.3	134921.2	178703.2	TRUE
46173.6	34635.1	55752.2	37280.8	62408.3	46413.3	30968.9	49402.6	TRUE
18238.3	18058.6	14521.6	19261.1	17469.4	5905.2	6640.8	8249.3	TRUE
52327.1	29748.1	36642.5	46695.5	35765.4	29658.9	42831.2	51022.6	TRUE
44823.4	34340.9	44556.6	54963.7	50650.3	44340.7	37347.5	45131	TRUE
35746.8	33423.6	33963.1	29920.1	33462.9	29080.5	15249.4	24170.4	TRUE
822239.2	1117300	903069.7	972747.8	465119	1314438	1208744	1256663	TRUE
38174.2	38707.8	30367.3	38342.3	39043.9	45112.9	41229.3	46159.9	TRUE
84909.9	89250.7	72388.7	103201	82204.2	86983.2	92987.7	81554.1	TRUE
67844.3	68135.9	58060	72352.4	77411.5	63578.1	64870.3	61031.4	TRUE
16772.5	19161.8	16658.4	22039.6	15079.4	21633.7	21533	22610.4	TRUE
80889.4	61208	52286.3	101844.8	75459.4	80536.5	85372.6	115025.2	TRUE
28005.7	38207.7	25156.5	35215	33780.4	36106.1	34165.9	26353.4	TRUE
62554.7	63023.4	44057.9	61706	56387.6	57661.5	42662.2	59331.2	TRUE
77196.9	81933.7	87427.4	81562.7	86599.2	100854.7	112820.9	98904.4	TRUE
221007.7	167353.6	158831.6	193199.5	170301.3	267651.9	237531.1	271079.4	TRUE
576496.6	533225.1	436716.5	512980.8	480899.3	781174.1	672856.8	864317.5	TRUE
519093.9	438705.8	410343	495651.2	464660.9	662488.4	547660.1	608088.1	TRUE
140414.3	110823.8	188271.9	122789.4	144858.9	207449.5	117472.8	179958.6	TRUE
165487	160300.4	125268.6	194004.9	251113.9	130080.1	186176.3	143099	TRUE
77284.8	58353.2	66483	60997.6	69849.3	59147.8	62538.8	73441.4	TRUE
93451.2	118644.8	82165.3	112338.5	88588.1	100577.1	107290.1	116236.3	TRUE
91847.8	71633.1	102210.4	70162.6	98825	96421.6	92774.4	91749.9	TRUE
53120.2	58305.7	47136.9	57002.5	46253.2	65768.1	55612.4	50530.2	TRUE
401897.5	370650.1	304984.3	382560.5	363651.8	402016.4	420565.5	366805.1	TRUE

742015.4	638823	600591.3	840809.2	746843.2	659904.9	790084.9	761305.9	TRUE
243856.4	246882.1	247952.6	281584.5	248403.5	264769.1	271408.1	264074.1	TRUE
622410.2	590319.8	627248.2	683043	589917	667246.3	617431.9	630095.5	TRUE
337628.9	315909.6	301767.4	332817.9	324259.2	358389.7	337234.3	339590.8	TRUE
593630.7	464245.3	521809.7	578101	579530.8	517991.5	479162.5	505337.6	TRUE
162860.9	118293.1	187130.2	247340.7	196657.3	190047.8	150518.1	179278	TRUE
144833.1	102477.5	170297	228525.3	183852.3	192022.2	184725	200310	TRUE
65885.8	55526.5	67783.6	61311.2	86358.5	49799.9	61472.2	95679	TRUE
33927.9	55728.9	46179.2	54980	56101.9	25626.5	26976.9	24561	TRUE
51459.1	101183.3	69014.9	98527.3	95178.9	38423.2	37560.4	45040.6	TRUE
57954.7	39363.6	47537.6	50079.7	35594	52699.3	33550.4	46565.1	TRUE
79609.7	73955.4	77925.5	89764.4	75942.4	86028.2	77975.7	85307.1	TRUE
188500.7	155669.5	149524.3	163508.1	194471.8	218851.3	196719.8	220231.9	TRUE
327830.9	385727.4	292504.1	407313.8	324775.3	427637.3	394928.2	454493.4	TRUE
132320.6	148215.6	135311.5	162307.2	144314.1	141983.5	141888.7	152226.4	TRUE
76620.1	74363.3	64585.1	52848.6	59683.8	82926	74128.4	87638.5	TRUE
55143	51536.4	36950.1	40912.9	39362.2	68098.9	54846.4	48306.8	TRUE
664092	682386.5	458660	523649.8	526252.9	599564.8	522721.5	568891.7	TRUE
525724.6	464032.7	558721.8	580940.7	530371.1	579922.9	530663.6	497406.1	TRUE
949397.6	779981.4	891960.7	956310.3	843601.7	978006.7	883701.7	855692.3	TRUE
1716692	1357539	1451934	1481176	1838721	1774217	1502646	1777383	TRUE
943009.8	806516.8	915056.5	855743.2	943369.7	1114784	885429.4	1008136	TRUE
19836.3	12515.5	7471.5	9267.2	19872.6	24311.9	11659.1	14542.3	TRUE
46667	31065.6	38975	46955.8	46936	49677.9	35814.5	49074.6	TRUE
41851.7	42265.8	30283.1	39780.4	57693	31053.2	54948	59765.9	TRUE
189397.5	178026.8	203186.1	161950.9	214793.8	221855.3	194389.1	227907	TRUE
130060.9	124615.8	121702.6	132277.8	142998.8	136223.1	114764.6	142131.6	TRUE
94983.3	76898.2	48501.9	80326	65790.5	83842.5	70252.5	109097	TRUE
742975.3	553959	510305.8	463365.8	568845	783953.3	780638.8	955801.4	TRUE
482099.1	460061.4	473079.6	478884.5	410908.7	664527.5	438460.2	556542	TRUE
147976.9	101181.7	113072.4	118623.1	95962.7	296270.6	108057.7	243973	TRUE
83698.4	77472.3	57196.7	70745.4	72829.1	48501.7	73338.5	37669.6	TRUE
88201.4	61157	51687.6	39716.2	32099.8	39309.7	42796.6	41182.8	TRUE
156144	123413.2	144393.5	167469	146079.6	169355.8	146699.8	160477.5	TRUE
422889.2	343856	639083.6	343443.6	265580.7	637523.8	369262.9	351846.5	TRUE
108194.1	104259.6	97107.2	115442.2	122982.9	112607.7	94958.7	99510.3	TRUE
236536.9	228886.1	213797.3	242887.2	301358	297289.9	264541.4	311783.8	TRUE
62826.8	57094.8	51231	54991.4	57408.8	56438.3	65566.6	55917.2	TRUE
66933.1	86640.4	78462.1	105641.8	100464.4	71536.2	98980.1	54478.6	TRUE
1008549	830928.6	944398.8	1181168	892115.6	998099.6	851884.8	937679.2	TRUE
26252.2	35209.7	38708	23546.6	37928.3	32305.3	26864.6	35117.5	TRUE
44954.2	54830	46603.9	56857.6	51944.3	71584.1	46073.6	70521.2	TRUE
28816.8	27015.4	23306	25090.4	27579.7	9655.5	16864.4	30439.4	TRUE
103130.7	100613.1	85505.5	114923.7	111990	96209.9	91660.5	113814.5	TRUE

271240.3	230635.9	196149.2	163685.2	141792.3	195113.3	158393.3	183219.4	TRUE
149499.9	121130.6	135816.2	135847.2	171599.9	157427.4	147312.5	163862.2	TRUE
95047.1	96781.5	101353.4	95276.5	93366.7	92509.3	85458	83822	TRUE
339830.2	314990.3	398307.8	460316.9	424688.2	383720.8	354206.9	342746.5	TRUE
152094.8	152968.7	146666.5	157934.5	173656.3	152061.5	182529	168901.9	TRUE
88945.3	90301.7	97829.9	79690.3	106402.8	96621.2	101202	95860.5	TRUE
153516.1	128773.6	161798.4	151640.6	146705.8	151929	153932.5	170736.6	TRUE
98383	109437.5	113828.9	115480.6	113918.1	104760.6	128769.5	140177.4	TRUE
43962	67647.2	54727.5	64200.1	83529	21579.3	32596.8	38168.5	TRUE
32761.9	60904.5	67547	82760.7	85091.5	33950.1	29443.6	36619.2	TRUE
689857.3	623267.2	436877.6	698353	814536.2	493702.3	677647.2	815195.2	TRUE
93478.2	116727.5	97396.1	111489.1	87267.5	127056.3	102544.3	130377.3	TRUE
74787.1	66422.4	76342.2	80321.4	66069.4	68776.4	102076.2	70520.7	TRUE
150459.9	168150.3	132256.5	137815.5	142141.8	148485	174847	153752.7	TRUE
23697.3	9555.6	16786.9	7121	17316.1	26985.5	8824.7	14455.2	TRUE
35171.2	32321	37629.2	37397.8	27728	31938.7	12739.1	29522.3	TRUE
223540.8	176712.9	237079.5	207959.6	287545.5	274812.5	214254.4	284124.3	TRUE
127997.9	103116.2	102631	143658.5	109733	114891.3	94734.9	116627.1	TRUE
273985.2	286214.3	252731.8	273105.6	243672.1	312068.2	295761.2	372712.9	TRUE
184706.7	195600.9	167648.3	266669.3	182893.3	213509.6	228949.5	211657.5	TRUE
174092.7	147153.2	131284.8	170721.9	150500.8	158787.2	159908.5	166848	TRUE
7119.2	11547.1	7829.4	17694.5	19124.7	2709.5	10584.9	7468.8	TRUE
185843.4	184579	156434	175179.2	131756.1	174302.3	190131.9	151328	TRUE
163720.4	191591.3	175773.6	177999.1	180641.6	169638.9	208082.3	152109.5	TRUE
303065.9	349960.7	273184.2	269735	277774.6	267424.3	297350.2	258188.3	TRUE
31195.4	45832.3	30488.4	20357.7	27933.1	37699.4	28873.9	29286.3	TRUE
20593.6	25204.9	29128.4	30392.8	23453.8	35585.9	19007.8	33255.4	TRUE
264211.2	247397	253114.3	251518.9	278463.2	263004	231296.8	266297.3	TRUE
408255.4	355560.6	388725	372206	413156.6	410755.8	371677.3	430139.7	TRUE
904119.4	810132.5	855130.6	986346	943939.4	878604.8	759580.8	934020.9	TRUE
902348.5	950629.8	761812.6	785457.5	837899.5	881296.1	858794.4	878222.6	TRUE
480937.8	484183.4	480534.9	523358.4	608996.1	609705.8	577744.8	641280.7	TRUE
620820.9	597699	551456	626714.8	698043.1	719662.7	725293.3	727774.6	TRUE
56178.4	60809.5	57402.8	61029.1	78290.9	64653.9	60350.8	52336.6	TRUE
75351.5	76601.9	68505.8	92425	76414.4	91645.4	70888.1	78509.4	TRUE
86543	86565.7	82093.3	79874.4	98161.7	91659.5	82491.9	90483.1	TRUE
382403.3	292199.4	383806.7	405211.4	356473.8	399852.7	322445.5	368613.1	TRUE
549384.6	444272.6	607195.5	598925.5	601222.5	583064.8	523742.3	560617.6	TRUE
29868.4	25503.2	45455.1	50256.9	32830.2	38931.9	30768.6	33225.9	TRUE
31948.4	6956.7	43724	50540.5	35346.8	43658.3	24114.5	27912.6	TRUE
774857	674370.9	740353.6	731764.3	857643.8	795735.1	756875.4	752627.3	TRUE
469263.6	441641.3	449934.6	468724.2	558168.3	504560.7	507722.9	505970.9	TRUE
2181863	1774044	2469461	2575104	2285519	2467570	1880113	2222753	TRUE
268124.8	179472.5	210802.1	240651.9	199911.1	226874.8	202568.5	213757.1	TRUE
715684.7	719739.5	679563.2	621076.3	754301.7	791886.8	775250.1	814485.3	TRUE
616865.7	473335.1	512107.9	467805.7	613986.9	584164.8	522315.5	603059.7	TRUE
27645	25361.3	24413.3	25648.5	25440.5	23215.8	30390.3	10790.7	TRUE

326008.2	264041.5	293733.4	316085.9	380121.9	336837.7	298442.7	348706.8	TRUE
58700.8	60433.5	47737.8	49780	34654.2	45787.7	47419.8	33019.6	TRUE
98762.2	94363.8	83186.2	82381.7	99322.3	101327.4	104555.8	102323.3	TRUE
70082.8	55290.6	76019.9	77548.3	59104.6	83946.7	68607.5	91932.5	TRUE
489864.8	491196	362809.6	421031.7	515212.6	584315	594771.3	655100.5	TRUE
6412.4	14400.5	13208.6	24226.5	9295.3	17860.1	14902.6	24587	TRUE
18761.1	28948.2	18954.7	27647.7	28870.2	30997.9	11974.4	36891.4	TRUE
5587.7	8307.9	7147.2	9738.9	4300	6753.9	4652	7046.4	TRUE
21924.9	10094.1	29221.4	28779.6	21411.4	19026	25910.6	10859.7	TRUE

309718.3	206487	279322.9	270654.4	341618.1	277151.5	213802.7	370826.8	TRUE
299846.8	216783.4	285985.6	252641.1	246165.8	265490.8	240851	235635	TRUE
469511.1	389335.1	458152.7	423750.6	469962.6	506897.3	422806.9	460476.9	TRUE
18493.5	8810.7	23884.9	23422.1	6283.2	22376.6	11604.4	10919.6	TRUE
23690.6	8356.2	7006.9	12653.6	4598	7853.4	10286.5	14109	TRUE

46125.5	30517.2	24544.6	31453.4	39552.9	57170.3	41415.9	44379	TRUE
899668.2	897433.1	774131.4	885919	887703.6	782177.3	946225.7	909881.2	TRUE
754505.7	743111.3	785047.2	774278.7	764620.7	673283	707347.6	741202.7	TRUE
244212.2	260823.6	326459.3	251958.6	246640.8	240918.1	247089.4	271469.9	TRUE
982399.7	953299.7	702423.1	901794.7	950211.9	811021.5	967010	937411.6	TRUE
540357	458336.1	451496.4	524614.4	414634.3	441690	499064.3	440078.2	TRUE
469419.9	460335.1	503385.1	581186.2	417357	558137.2	497627.3	514874.2	TRUE
324225.1	313716.6	311982.4	339385.9	269005.2	372147.3	354308.9	325108.6	TRUE

122299.8	170428.1	137981.7	169202.4	186166.1	117777.1	118092.5	94097.5	TRUE
83198.1	82042.1	80973.2	82235.8	73482.5	103573.2	102606.6	109613.1	TRUE
149810.4	213589.3	146613	219421.8	184378.3	130753.1	151558.3	153765.8	TRUE
130579.9	105227.5	92439.4	141813.4	135266	134383.6	121615.4	145490.7	TRUE
50965.9	57943.9	39657.4	57068	56022.8	66009.9	82211.8	81525	TRUE
125283.6	103677	111303	123792.2	109762.3	130190.6	135995.2	118847.9	TRUE
677098.7	681752.9	449297.4	566506.6	602532.9	465530.3	597545.9	612840.5	TRUE

32376.1	35681.3	18945.9	32675.3	26052.3	26298.6	25464.5	27176.5	TRUE
584770.3	616395.7	377886.7	525093.3	651460.6	339516.7	622764.1	624505.4	TRUE
649226.8	499619.7	656163.2	634970	634764.5	571739.1	534361.5	594279.2	TRUE
585169	591230.2	603777.3	595295.3	470855.7	601581.4	542813.8	574744.4	TRUE
178875.9	185314.5	150405.7	191092.7	159230	153535.2	170593.9	136313.7	TRUE
81764.2	57300.9	71116.6	81247.3	82665.8	80711.5	75434.9	66999.8	TRUE
180178.1	116105.6	207738.3	151834.5	152159.2	180001.7	157612.5	185841.2	TRUE

39686.1	38881.7	34919.5	35531.7	46631.3	54425.6	41774.8	40166.3	TRUE
30456.4	44008	33515.5	53868.8	68063.3	60142.2	69334.5	61430.3	TRUE
130836.4	151964.9	125026.9	123669.9	124717.4	68986.4	180246	96748.2	TRUE
131234.9	117448.9	134465.5	129540.7	124275.6	170637	150894.3	155451.6	TRUE
55166.1	69779.3	57742.7	70899.2	69594.3	38085.7	88201.8	58976.3	TRUE
51734	65883.3	38854.3	65149.6	60444.7	36855.6	52263.7	54459.5	TRUE
269891.7	247774.3	199450.1	231930.6	269765.2	219122.3	314988	243584	TRUE
129247	102567.4	109406.1	112502.9	106559.2	139379.3	115899.4	92065.2	TRUE
212094.9	159812.3	150454.4	178643.3	169208.2	208720.7	209304	207502	TRUE
103208.9	92329	98015.5	124139.9	95367.1	119722.6	86348.9	83262.4	TRUE
62710.7	55593.6	63221.4	57757.9	53625.3	79335.1	69877	85318.6	TRUE
523682.7	470061.9	481828.2	420095.4	309197.1	385613	396721.6	436162.7	TRUE
221158	188552	150705.5	206464.1	158113.8	205400.4	160348.7	224277.5	TRUE
172483.4	177787.3	166421.9	176430.4	152241.3	170975.3	162753.4	168868.5	TRUE
121941.7	124061.4	104479.1	124925.3	113783.8	130683.8	130172.6	122863.3	TRUE
18320.1	28226.7	8416.5	7279	17793.2	27628.5	30594.6	18272.9	TRUE
65785.4	78249.1	68347.3	51310.8	43994.8	44646.6	43296	40538	TRUE
54309.4	58845.2	41633.6	52265.4	66169.9	59818.8	54458.4	52610.5	TRUE
128676	104722.9	125144.2	130241.5	116748.9	136510.4	149407.9	128007.9	TRUE
155222.2	76162.5	105865.3	101184	117467.6	85517.4	103410.7	89441.4	TRUE
135481.9	216399.1	141778.8	190589.8	159276.4	122435.2	139333.4	142037.1	TRUE
98716.5	55863.8	56522.3	73619.8	86726.5	90231.5	53827	95200.5	TRUE
473472.8	457246	492110.1	521837.2	404085.4	514776.2	547726.1	503725.1	TRUE
76948.7	95438.4	59384.1	64901.8	81280.9	48574.1	87036.9	76284.3	TRUE
80823.9	88719.4	101572.6	108056.6	58416.1	61350	99199	83307	TRUE
65402.3	27886.3	47933	49965.2	42566.1	49883.1	60282.4	59941.7	TRUE
76085.8	72842.4	61767.4	71479.8	72364.2	88110	98512.8	74559.5	TRUE
235784.4	221975.7	205997.5	244912	194382.2	248784.7	231539.6	203043.8	TRUE
138902.6	121655.5	94763.8	129223.5	114299.1	153990.4	146455	155433.7	TRUE
85745.5	64039.5	56820.5	77962.1	81314.3	96523.7	112256	91823.9	TRUE
165875.5	132549.9	122412.4	143411.4	132817.6	191777.6	175237.2	157699.5	TRUE
238236.8	202698.2	206002	221046.7	215984.6	197336.9	190870.9	199972.5	TRUE
44539.4	43021.2	48970.5	34785.3	77538.4	47411.4	67900.8	60600.4	TRUE
522537.1	533584.7	428189.5	504003.2	551762.8	438439.2	542997.9	513977.5	TRUE
1062040	1033068	1152474	1103013	969050.7	1148681	1110354	1119306	TRUE
163470.4	183921.2	116120.7	121697.1	133826.1	151597.9	175708.6	177731.9	TRUE
15721.7	9187.2	8780.2	11208.6	21549.1	11995	10248.3	12500.7	TRUE
21221.5	22892.1	8752	7553.1	21054.3	10184.4	11370.9	11830	TRUE
29513	32831.5	7387.4	42457	25639.7	29944.2	49473.2	37375.3	TRUE
19987	10894.1	4486.4	9331.5	27671.1	8700.4	15866.8	28741.4	TRUE
752884.9	790640.8	751462.1	883760.4	895717	771352.5	915233.6	883458.6	TRUE
469811.3	444877.2	478781.9	443533	408082.4	457378	419452.2	434159.4	TRUE
101292.9	125250.4	61729.8	154948.3	103824.7	75515.5	97532.4	108315.9	TRUE
151548.3	152105.1	140334.7	147753.2	191842.4	140884.5	158701.8	157497.3	TRUE

146917.2	170766.5	137705	162328.6	139822.2	150119.1	151202.2	152319	TRUE
220908.6	196717.1	230258	212652.2	183456.3	164955.4	214724.3	189793	TRUE
102837.5	102751.7	119421.8	119176.8	115928.5	94670.3	153730.7	97350.1	TRUE
7515.7	7612.1	14279.6	8216.7	33836.2	10632.1	11756.4	12405.1	TRUE
38214.6	59693.2	78870.3	103613.3	106394.3	29613.8	24851.4	30145.2	TRUE
100411	109473.8	116308.2	113004.5	116982.2	96070.1	97300.1	89167.3	TRUE
58939.7	31504.5	47528.7	52793.9	50409.6	65203.2	57431.4	70149.8	TRUE
83246.6	59411.4	68002.4	76701.5	66193.5	99773.9	84996.1	105176.6	TRUE
81783.8	75830.2	67342	79544.1	94312.2	75689.8	83220.8	94567	TRUE
56201.3	51442.7	60991.8	86855.4	60930.4	53845.3	92191.5	82283.6	TRUE
509073.8	439515.6	439965.9	539289.5	444287.5	645874.4	670410.8	683771.3	TRUE
846560.4	694950.5	678541.9	1028385	944440.6	1191401	1094368	1111222	TRUE
463387.3	494081.8	407494.4	695929.5	671787.9	557542.7	590494.4	601277.4	TRUE
169198.8	152553.4	182584.2	181228.8	251618.4	251995	279695	290884.8	TRUE
383908.2	330488.1	276308.5	322507.5	359998.4	268626.2	316356.7	343724.7	TRUE
198624.3	141893.4	140511.7	126194.5	163373.7	123395.3	130116.4	193214.8	TRUE
107624.5	106240.2	79453.3	95607.8	91026	84110.6	86408.4	93185.7	TRUE
281233.3	301009.7	228392.9	212918.7	257280.4	220296.8	239476	248440.3	TRUE
174535.9	140347.5	211149.9	204292.8	177209.8	256982	165758.8	199318.7	TRUE
103520.1	82571.3	128143.6	129920.9	131793	111913.3	111140	147562.2	TRUE
267068.6	205074.9	312236.4	274567.4	269155.6	265291.2	267803.5	277040.9	TRUE
162303.2	140576.8	187068.4	212554.4	214011.8	210103.8	192133.4	209836.2	TRUE
147560.7	138319.5	136277.7	125431.4	127860.9	114440.9	133182.6	116913.4	TRUE
118392.7	142597.6	124701.2	126277.2	123876.7	111199.3	120777.8	121480.5	TRUE
55167.9	36460	48515.2	46809.1	45287	40181.8	54896.6	39838.4	TRUE
84809.7	71754.2	74723.7	98709.8	90985.6	99492.7	81414.8	104608.1	TRUE
303270.1	259527.5	317757.1	323214.3	287288.7	310482.3	306386.8	309786.2	TRUE
130901.1	105316.6	150771.2	161360	198429.9	156237.2	162024.9	157845.9	TRUE
225976.2	223286.2	253092.9	292741.6	292104.2	270812.8	263324.8	264420.5	TRUE
106366.1	179498.3	134993.3	150026.3	191527.9	100012.2	89418.3	107222.6	TRUE
270359.6	205864.6	294872.4	321687.1	308486.9	379258.5	317702.4	347390.4	TRUE
161187.7	191158.1	185121.8	182627.8	182781.5	149011.1	191511.2	129678.5	TRUE
139358.2	285184	213068	257331.3	213793	102077.2	115728.1	132430	TRUE
53855.3	46515.7	47071	37648.6	43045.2	66244.2	68789.1	70977.2	TRUE
626024	508242.7	633525.1	790205.5	840711.4	730035.3	625656.1	833171.9	TRUE
669209.6	629377.2	757545	849325.9	846879.6	795862.4	784212	814040.2	TRUE
790194.1	776727.3	841949.7	944443.5	966591.1	853357.8	852971.1	861251.9	TRUE
65784.8	65295.9	63068.5	56232.5	62981.9	61870.2	67084.3	74405.1	TRUE
55687.3	47411.6	69326.4	46789.6	48712.4	62467.9	62074.7	63006.9	TRUE
84777.5	112646.4	96155.3	142643	157996.4	56187.3	38103.7	32668.7	TRUE
134935.1	100762.6	98163	131907.4	134633.6	158224.2	156393.2	169280.8	TRUE
30728.3	57356	57819.5	74179	77528.5	34549.1	34945.2	36444.5	TRUE
96477.3	155486.6	124911.3	205835.4	203363.5	72207.8	62235.4	65950.6	TRUE
28176561	26262901	24852204	26458346	26130048	30320722	29387979	30356615	TRUE
110932.6	97378.6	84745.7	89127.9	89410.6	130445.9	126059.1	104131.1	TRUE
93652.1	79359.4	77839.9	80549	81635.4	76954.1	96739.3	87855.7	TRUE
109032.5	112462.5	86009.2	107902.9	86637.8	112825.9	107151.5	110992	TRUE

66599.4	69635.1	44101.4	65509.5	60516.7	57168	54077.4	76468	TRUE
129167.4	107496.4	121299.9	86188.2	111742.6	127044.1	125102.7	103570.4	TRUE
89436	87571.8	65296.5	70649.5	80884.5	84138.9	92039	78619.4	TRUE
75321.2	68227.5	69612.7	51896.1	69415.9	61514.7	66861	68244.5	TRUE
43430.9	36757.4	38038	36259.9	38590.5	46897.1	52203.4	37700.5	TRUE
32252.9	39602.5	22583.9	43342.4	33753.3	44250.2	39419.7	31465.7	TRUE
163135	243452.3	219676.6	267754.8	225456.7	181024.6	167459.4	163113.9	TRUE
52241.3	124086.6	57694.7	77756.9	116086.6	38320.5	41177.6	18896.5	TRUE
104475.1	104738.8	80670.4	101696.5	98572.2	89480.3	74176.6	79486.1	TRUE
75764.7	75052.8	72566.5	71192.6	97249.8	39917.4	46346.1	41825.3	TRUE
1256555	1285917	978848	1531262	1403361	1092814	1219562	1444986	TRUE
169272.1	180032.5	140984.5	187979.9	170672.5	150893.1	177282.2	165341.2	TRUE
123250.7	122962.5	122395.6	98606.8	129817.4	99920.8	102938	133281.4	TRUE
57944.3	87904.7	63822	73259.9	66177.6	53479.3	65640.8	60661.6	TRUE
607332.5	640463.9	479419.9	640650.3	559671.7	528142	583316.5	579096.4	TRUE
792767	816101.5	650767.1	905952.2	815531.9	670687.2	819498.1	836096	TRUE
272062.5	275806.2	225711.3	284008.5	293462.4	235675.7	264718.8	288228.8	TRUE
153601	152445.9	144643.3	172939.3	146925.5	156631	158809.2	165536.7	TRUE
132684	113784	98309.5	141906.9	122939.1	116504.1	142415.7	129287.9	TRUE
100441.8	111096.3	126732.9	100391.7	106626.7	91492	110300.5	105751.5	TRUE
128806.3	115739.7	116850.7	130792.6	108080.1	110572.3	128838.8	121186.5	TRUE
924373.5	889039.1	829374.7	894704.4	805672.3	1016903	1007778	1036475	TRUE
150168.4	159989.4	148828.7	159363.7	133398	145422.8	147065.7	156502.4	TRUE
25607	26997.2	25668.6	26847.4	19438.5	23549.6	21347	27650	TRUE
68392.9	52859.3	50933.6	57868.7	63374	67209.1	72745.1	82116.2	TRUE
60556.7	35782.8	35419.9	32909.5	39256.5	53597.1	38088.2	43574.6	TRUE
126716.5	98849.8	74443.1	120556.5	119011.2	108702.7	125556.4	155637	TRUE
103707.6	81649.4	75875	118232.6	102289.6	118539.3	101455.7	142890.2	TRUE
49116.7	32068.6	37685.1	64772.5	48246.7	46590.5	42262.1	70513.2	TRUE
137103.1	113295.1	112802.3	124293.6	116035.3	174783.9	144722.4	176122.5	TRUE
3856354	3273177	3252412	4119470	3954443	3391267	3402408	3454024	TRUE
304284.7	247321.1	235600.1	280351.6	301504.5	255540.8	268437.6	293684.6	TRUE
915575.8	808191.7	741426.2	826702.7	962213.3	781201.2	826173.5	1008983	TRUE
69076.2	159923.7	101685.6	141162.3	154311.1	59956.8	61641.8	54598.1	TRUE
1805926	1362196	1695106	1591765	2559694	1511870	1537660	1565422	TRUE
59638.1	52658.6	50332.4	51073.9	51231	63577.1	65034.8	60607.6	TRUE
65788.2	73009.4	35845	39368	51659.5	43934.6	45788	40742.6	TRUE
326279.8	287100.8	258267.6	284940	302148.7	254519.4	258162.5	284565.7	TRUE
117753.7	101704.2	100882.6	91663.7	80754.4	89233.5	103252.2	91002.3	TRUE
148141.6	136024.7	139362.3	127204.5	145162.8	107831.4	134894.1	117470.2	TRUE
406582.9	313013.7	393948.2	541011.5	468122.9	380078.6	456278.3	526502.5	TRUE
357566.3	327329.6	333240.1	429538.6	445404	368876.3	385921.1	465182.3	TRUE
287715.3	283693.6	278509.8	330117.4	313999.7	311636.2	264661.3	303157.9	TRUE
486014.4	405252.7	474991.5	627388.9	587975.1	533064.9	509105.9	565779.5	TRUE

42749.5	59531.8	59509.8	70162.1	69840.9	46348.3	52775.2	49010.1	TRUE
70791.6	66718.9	30302.3	59894.9	67269.2	67048.4	54663.2	58664.7	TRUE
292174.5	273580.5	218871.5	204525.1	235727	234118.4	207600.4	223507.5	TRUE
101808	90299.1	48659	70297.5	80576.7	68191.5	73433.6	84955.6	TRUE
213223.6	161117.9	172819	183372.1	156672.2	156338.3	164087.7	147010.3	TRUE
447913.7	426141.7	340858.2	360573.2	347132.3	343597.5	340850.5	340254.2	TRUE
369683.9	343231.7	351583.8	398437.1	372903.3	354213.6	362592.4	386311.3	TRUE
386514.6	323169.4	358550.4	414194.7	406216.1	393680	386619.9	406081.9	TRUE
668132.4	541483.5	662275.9	812416	783900.7	742541.2	686390.9	702559.5	TRUE
443772.6	390228.5	449790.4	441703	499089.7	433094	459720.2	452336.7	TRUE
168320.2	134802.2	143793	158050.1	166859.3	159079.2	180994.6	175090.8	TRUE
62773.5	52516.7	51208.5	58488.4	77848.5	61242.1	58348.2	60872.3	TRUE
83560.5	103736.6	116495.7	113682.1	132742.2	64953.8	71379	78454.9	TRUE
194244.5	192012.8	200970	192239.9	207134.6	283255.5	225160	270975.6	TRUE
223232.2	251015.7	264294.5	254476.4	242144	260574.5	253971.8	233075.4	TRUE
40491.5	77119.2	53185.8	83109.8	91146.9	37313.4	29810	16737.6	TRUE
112271.4	88807.2	108880.8	96032.9	94803.1	104499	98419.6	94723.4	TRUE
101656.7	67030.5	59832.5	101334.8	86038.4	95165.7	77123.1	92642.4	TRUE
239323.8	166867.8	178637.9	213774.2	228927.1	169309.6	162145.3	240256.4	TRUE
118102.6	117536.5	109215.1	127899.3	130946.3	137776	109842.4	105773.5	TRUE
734501.4	703912	678580.8	825398.2	718460.1	726323	702413.8	715674.5	TRUE
209254.7	175974.9	151550.9	171087.2	164160.3	155256.7	192474.8	181434.6	TRUE
122533.9	108496	117981.2	139970.1	135489	121468.6	128261	119052.6	TRUE
407615.9	458824.7	434549.4	415547.8	373125.5	508525.2	442298.7	379071.4	TRUE
125670.3	113099.9	96626.8	147017.7	109289.3	94752.6	124073.9	100145.8	TRUE
79087.6	73809.7	91820.2	74305.8	75988	103844.8	89078.2	88380.6	TRUE
99751.5	157199.6	184534.5	155147.1	168294.1	62674.5	62837.3	78687.5	TRUE
64504.7	61960.3	63978.3	80298.2	57577	58645.9	73723.1	75873	TRUE
72332	58522.9	52310.3	82540.6	87707.9	62031.1	66509.6	86153.5	TRUE
224849	249526.2	238690.5	247785.5	279088.2	284385.5	250379.6	254733.4	TRUE
3740590	3312613	3784123	3922430	3887454	4247438	3615575	3772596	TRUE
67491.8	57842.4	62728.8	78227	61099.3	62588.7	63506.5	67898.9	TRUE
200801.3	225567.6	214663.4	220840.1	225058.4	227842.8	204069.1	214340.5	TRUE
37438.8	52607.6	36671	40834	39340.2	51750.9	57644.1	49201.7	TRUE
23497.5	20469.5	11255.6	9636.7	21367.4	12757.4	25815.6	28071.6	TRUE
195823.5	181506.6	219127.7	219585.8	212899.1	184404.8	201058.3	206897.3	TRUE
45546.5	33779.2	34017.1	35902.9	37678.8	31026.2	28490.8	31876.1	TRUE
81195.7	53600	51024.1	81831.4	52922.7	66571.1	77901.3	78113.1	TRUE

44971.5	38208.1	47947.9	55606.9	45810.3	49913.4	45146.8	45954.8	TRUE
238268.2	232106.5	162726.6	207754.1	242203.4	199969.6	178280.5	227457.3	TRUE
528569.1	590392.6	487665.5	557226.7	475954.7	1032706	536559.3	513160.1	TRUE
873733.6	997586.6	755462.5	858903	838545.5	1029059	937092.2	874272.4	TRUE
90742.9	79178.2	61785.4	85688.2	80741.4	68082.5	78408	76075.7	TRUE
25098.5	26483.6	23863.2	27510.9	23262	21077.4	27885.1	25788.3	TRUE
109956.8	84667.9	95142.4	85625.3	95672.6	83399.8	85161.9	97072.4	TRUE
31113.2	24796	28143.9	19832.7	19314.3	28020.5	16164	23754.2	TRUE
1126248	974842.3	1005008	1162649	1133994	1000701	1084161	1098917	TRUE
252834.2	208672.3	244729.5	254981.8	311339.1	218233.9	208780.9	224492.9	TRUE
505650.9	475398.9	442476.6	564221.8	555840.3	490434.8	522627.7	532205.5	TRUE
1350347	1286315	1277557	1266591	966822.3	1360880	1344717	1273592	TRUE
916811.9	910196.2	1038095	1128080	907245.5	1155465	1132810	1123010	TRUE
151949.7	152845	142192.7	148745.9	143592.3	137039.7	149445.3	151677.2	TRUE
908661.5	755942.7	486884.1	557200.9	623198.1	493803	547968	697575.2	TRUE
928403.9	858762.1	418614.7	506376.9	621761.8	395376	560465.1	644179.2	TRUE
874431.5	805951.8	731388.6	1026706	1038776	829578	937211	1028173	TRUE
714866.5	587209.7	573432.9	688996.5	733848.7	618690.3	662376.4	760949.7	TRUE
303315.2	305387.3	295860.8	320697.9	356596.2	255829.9	314685.7	373490.2	TRUE
87927.4	103200.7	73437.4	104262.6	84269.3	89011	88140.1	101689.8	TRUE
79458.8	68936.3	50802.4	63557	86248.8	78477.6	91418.7	92370	TRUE
31880.5	67860.3	42460.3	79091.1	92800.2	19245.3	32197.3	20737.5	TRUE
95254.4	210714.8	144801.1	292705.8	356290.6	69484.8	67316.6	88674.8	TRUE
42887	43648.4	32478.7	50271.8	52281.2	44253.5	44612.6	53181.6	TRUE
57099.8	32714	26809.6	36055.7	39951.2	26862	39462.2	49731.1	TRUE
63663	129319.4	109616.8	170590.8	145956.2	59920.4	59694.2	63561	TRUE
76113.5	233422.1	138129.5	249162.9	219930.6	60723.9	43121.8	38942.7	TRUE
206386.7	143898.7	153688.3	177814	140307.8	191473.5	172850.2	166377.1	TRUE
1575332	1266537	2425799	1787462	1789973	1573195	1412382	1672645	TRUE
312078.8	239826.6	326650.3	307232.1	309014.2	317433.4	241870.7	278073.6	TRUE
6338169	5731948	15943554	4648855	5811676	6240855	6291196	6507318	TRUE
77298.9	113121.3	81143.9	115084.1	93550.9	69154.9	65425.6	61631.6	TRUE
20476749	19127956	17619619	21169506	23310164	18070062	20394137	22688061	TRUE
2541304	2279269	2125437	2331769	2729100	2152366	2462051	2681876	TRUE
368380.2	329069.2	323256.7	390390.8	397172.7	305126.7	335331.6	397615.1	TRUE
191466.6	159969.4	200043.1	210532.4	190492.4	178194.8	163701.9	202259.5	TRUE
79934.1	64589.5	50997.5	68750.4	70221.8	69395.8	72618.3	88728.7	TRUE
103457.8	87057.7	92626.5	103274.1	107936.7	109668.3	111614.8	113476	TRUE
44153.8	49132.6	42768.8	40366.8	37739.1	44396.8	45863.5	38146.8	TRUE
116762.6	69695.9	101763.4	105685.7	116851.8	121038.6	100258.4	109898.8	TRUE
61082	77808.5	75397.1	79223.5	85193.5	58980.7	69742.5	66681	TRUE
70164.3	111245.3	114423.5	140030.1	172536.2	80317.5	72951.5	62976.2	TRUE
18442.4	25366.4	26821.6	28845.1	28547.8	7792	8649.6	9020	TRUE

299754.9	234403.4	263679.5	286261	291012	356657.5	348764	369725.5	TRUE
237801.6	180694.8	181733.1	203646.5	195457.3	178982.8	179246	206464.5	TRUE
467648	421606.4	403840.9	448391.9	416999.8	399802.2	399950.1	439174.7	TRUE
270489.9	265283.6	316980.7	407649.1	370534.9	320056	349564.2	335548.7	TRUE
622173.4	617471.7	670469.6	740612.3	817923.5	694412.5	775929.2	835066.8	TRUE
334788.5	299710.3	411515	535244	482458.1	479162.3	433498.2	509238.1	TRUE
697503.8	603053.8	892061.5	1078143	1069805	920591	909764.1	1064182	TRUE
34387.5	36478.8	30735.2	28306.9	50778.8	31394.1	30369.7	35976.1	TRUE
315962.8	251171.9	259802.7	302283.5	326970.9	288011.9	315298.9	328623.5	TRUE
105957.7	293250.5	182794.7	326260.3	358921	46196.2	48854.9	52178.4	TRUE
123689.5	373524.2	199609.7	364912.4	409967.5	47657.9	23249.3	56071.8	TRUE
298383.3	271407.9	307303.6	313911.4	286976.8	330638.6	319268.6	343510.1	TRUE
316752.1	305410.9	310435.1	316290.2	278617	316754.6	298216.9	307706.8	TRUE
3311578	3065129	2778854	3085376	3186874	3770180	3612440	3796757	TRUE
1792746	1741910	1692718	1690234	1724869	1998171	1922437	2148432	TRUE
170558.3	153003.9	154199	142327.3	153008.5	166409.8	162213.9	184149.3	TRUE
78711.8	231544.2	134265	233424.7	227504.2	34034.6	38963.3	38414	TRUE
55749.3	171411.4	74585.6	191636.1	192592.9	26187.5	20888.7	14008.4	TRUE
426698.7	366976.8	478068.7	345525.2	420262.8	540740.3	371267.4	433927.8	TRUE

6692407	5709024	6673973	8255463	7494320	6939663	6956958	6910821	TRUE
106108.2	112576.1	91995.6	105143	104883	104354.6	121712.8	106298.7	TRUE
2176711	1985001	2155186	2137837	2017563	2225484	2098768	2079307	TRUE

176243.1	172989.1	199548.6	186875	187149.1	218817.6	176678.9	188938.9	TRUE
308635.6	294969.6	321717.3	317711.2	323238.2	332332.9	317236.9	328557.4	TRUE
7916531	7726234	7415579	7532327	7854380	8034329	8295951	9240446	TRUE
1052755	938651.2	722004.4	720803	931153.1	694613.9	668447.2	925988.4	TRUE
1037917	1099969	1069362	936432.1	1016283	1102813	1036331	1013258	TRUE
99090.6	98858.3	104597	90724.6	100458.1	110376	106083.1	109944	TRUE
135714.2	114679.6	115555.7	118253.3	120257.3	146562.6	118287.1	141040.2	TRUE
162524.5	133355.3	147197.6	147407.2	171122.8	143588.9	140636.5	142294.8	TRUE
272545.4	248898.7	230472.9	295677.3	265495.7	272763.2	256697.6	273040.6	TRUE
382280.2	306280.7	350357	449080.7	371834.4	388130.5	359686.7	416650.4	TRUE
288852.1	234619.3	253171.8	325082.1	276939	303385.5	298662.3	281788.9	TRUE
223658.3	193155.7	207233.3	264345.6	230378.7	229830.5	255161.3	262243.3	TRUE
278064	192963.7	261378.5	297081.5	296121.4	272733.1	268690.2	271844.5	TRUE

874571.2	675668.4	767049.4	953032.1	878190.5	844411.8	793843.3	858081.6	TRUE
32755.4	32210.2	29256.6	32846.9	33149.2	37529.7	37718.9	41437.6	TRUE
383435.7	334131.4	346322.9	461681.7	352446.6	383062.4	341273.6	385918.5	TRUE
1063487	886018.3	913637.5	1109942	1033585	997520.8	980874	979500.3	TRUE
141002.6	87846.8	146784.3	176864.4	145450.5	132106.2	135217.3	141566.7	TRUE
95915.5	173959.2	160450.8	154322.5	125714.5	114416.6	92554.4	102059.9	TRUE
113077.3	252680	141711.3	259403.9	262979.1	38909.9	40468.6	57718.9	TRUE
34430.5	44049.8	27845	53571	45223.2	32624.8	40773.7	40947	TRUE
50256.3	52670.4	43756.3	67508.6	65276.6	43901.3	46410.2	53874.1	TRUE
59007.5	109646.9	44957.3	65539.2	85343.5	83801.5	83696.2	92586.1	TRUE
23635.2	43670.9	22429	41399	32227.1	25440.2	38247.7	43544	TRUE
107294.9	103804.8	133054.5	95714.5	107619.9	144031.9	127877.6	149910.2	TRUE
76126.2	68877.6	50120.8	97459.4	101152.5	70758.5	88227	112740.3	TRUE
196695.5	221600.6	251664.1	217234.2	166110.4	188605.8	251350.8	221554.1	TRUE
455562	449630.2	309187	264623	249660.4	364593.3	340875.8	266944.5	TRUE
91439.3	60538.2	76978.3	42552.4	61987.6	69502.8	60350.8	52777.4	TRUE
451891.9	364434.2	514830.9	436872.2	403189	534873.9	459796.6	386517	TRUE
806412.1	654387.2	994675.2	894822	649088.6	1082148	789752.4	651816.9	TRUE
1445995	1272735	1733028	2157603	1225662	2065275	1546110	1352411	TRUE
227073.6	184653.9	226151.6	222874.5	173589.4	243594.2	224961.2	207974.4	TRUE
328804.3	229216.9	271611.3	246128.8	362916.3	270613.3	269150.2	266156.1	TRUE
791624.4	520349.8	672950.3	619828.2	995386.8	765652.8	587833.1	669529.9	TRUE
3075451	2022649	2633875	2426970	3429984	2904707	2322565	2764958	TRUE
146530.4	175744.9	162031.3	182747	263268.5	121162.3	98066.7	140585.9	TRUE
49230	32281	37730.3	46792.7	42934.3	59645.3	49369.7	62224.7	TRUE
131108.4	95608.5	79687.6	76916.2	136156.7	130961.5	134616.4	144668.6	TRUE
1895744	2960386	803525.2	902833.8	1258418	676717.3	2512708	1293301	TRUE
294051.1	501209.6	185290.3	208878	242117.4	152965.6	657763.9	270090.6	TRUE
865963.2	1414763	414402	616477.8	788117.2	420477.9	1999523	782041.7	TRUE
14331.4	8497.8	5069.7	12195.5	17529	5213.1	12483.4	19431.5	TRUE
53867.6	233141.9	26600.3	75948.5	85359.3	17746.9	38240.7	28358.9	TRUE
47861.1	233015.8	35293	69968.4	99025.2	19562	13018.2	46808.8	TRUE
811082.7	608370.4	1572534	1556395	421173.7	523186.5	691698.2	559459.1	TRUE
242359.4	188665.1	291845.1	300511.7	148360.2	130179.9	187746	163190.8	TRUE
49698.1	46960.3	69166.7	91932.7	30575.2	37733.4	40837.8	45139.6	TRUE
53844.6	34350.5	78976.8	103543.5	17942.7	13250.9	31244.7	29086.6	TRUE
42319.2	28399.2	17785.1	12250.6	30135.4	16921.5	57977.6	38859.8	TRUE
353312.7	233914.1	608572.8	717992.7	195234.7	260056.5	344714.6	252489.8	TRUE
196769.4	266948.2	195267.4	213581.6	222419.5	214257.7	288481.9	208484.9	TRUE
68439.7	90381.6	46859.5	50935	65295.2	75041	97879.9	58152.6	TRUE
337325	652339.4	160936.6	281988.8	367296	183055.5	660203.5	375222.2	TRUE
63602.6	105669	54521.1	72427.1	71554.2	61591	113736.3	77003.7	TRUE
127173	195604.2	90108.2	114068	128110.2	95542.1	218576.5	138246.2	TRUE
39632.3	80339.6	29915	30399.6	34396.2	21899.3	28616.3	11558.2	TRUE

60653.1	59181.9	44815.6	61952.8	61069.8	42928.7	74235.7	67809.2	TRUE
622734	558955.9	1359541	1354371	310258.4	427193.7	630898.4	497259.1	TRUE
188958.5	165008.6	330807.9	342916.2	97507.3	130221.2	179506	151066.2	TRUE
37572.8	48821.6	66818.8	99184.9	40771.7	48870.8	43888.7	51280.8	TRUE
53689.9	52717.7	102413.7	128291.9	50391	24178.4	32324.5	34617.8	TRUE
70255.3	70236.4	74498.1	73911.5	67103.7	65861.4	75002.7	71839.8	TRUE
48006.4	35613.3	72790.4	60681.6	46064.1	39653.3	44984.8	26616.6	TRUE
51350.5	85686.8	28518.5	60370.6	79148.6	31946.2	110153.5	76628.7	TRUE
58366.9	33750.3	64299.2	79553.6	20735.1	32132.7	35127.1	37497.4	TRUE
424241	256716.7	668621.7	976616.3	168274.3	247639	363394.5	277567.3	TRUE
2461987	1677565	4016147	4457570	1047397	1425228	1774218	1403827	TRUE
442452.4	824642.3	209564.6	261860.1	389511.9	220623	832569.8	338082.8	TRUE
505997.6	828328	298888.4	329179.1	464415.4	301019.5	874012	461231	TRUE
1000385	1748467	325060.2	542984.7	763724.2	375563.7	1871771	746019.3	TRUE
656562	1266890	198202.1	372622.4	481772.1	246522.8	1307500	522933.6	TRUE
290858	396745.4	183437.8	209687	237697.7	203576	384818.1	272507.3	TRUE
134234.6	234501.9	90299.7	113235.9	144918.4	97288.7	206283.5	134061.5	TRUE
110067.1	256277.3	93626.1	94873.4	133435.9	76461.7	93853	84470.5	TRUE
2650713	1524008	3983442	3881244	3272000	1560124	1710801	1658322	TRUE
2389811	1589648	4609423	4781195	1109980	1245971	1818440	1293646	TRUE
373053.9	227906.5	664122.7	708055.6	198746.8	224936	303917.5	219088.6	TRUE
509983.7	370984.6	927318.8	903677.6	243192.6	309610.8	373409	348294.4	TRUE
49083.4	28734.1	52090.7	61030	34064.7	40257.5	33384.6	26958.3	TRUE
61142.1	84285.8	133966.3	244407.4	63094	12220.5	13413.6	14361.2	TRUE
424553.1	730903.9	186163	266880.7	282246.2	188572.6	694875.3	301351.7	TRUE
659535.5	1219301	227797.2	324277.6	447568.9	275430.3	1046506	463930.5	TRUE
383480.9	628672.6	165660.2	259263.3	286388.8	218522.6	488427.5	340228.4	TRUE
1186593	1944418	632441.1	977070.8	1116922	695974.7	2534178	1164495	TRUE
86110	235639.7	81021.3	129691.9	133631.4	97733.8	87681.8	88847.8	TRUE
481556.6	506990.7	880800.3	765078.3	288037.7	314809.6	377337.3	306224	TRUE
1265533	816534.2	2259985	2286132	499670.7	631008.8	849074.1	743783.2	TRUE
429104.1	316519.6	754662.5	770136.7	243293.9	306553.3	354813.8	322811.3	TRUE
591518.9	1075610	265864.6	398372.3	481805.9	340200.3	1062003	520399.3	TRUE
728644.9	1396161	358467.8	520942.6	614308.7	386291.7	1310688	570820.5	TRUE
1029148	1855875	443153.9	720519.5	922413.5	496184.2	1815636	876429.3	TRUE
350998	464356.4	259216.2	370451.8	339612.2	265559.5	487689.4	355524.3	TRUE
44121.9	121885	53160.9	51972.2	63974.9	28634.6	30341.5	28484.8	TRUE

1612189	1266081	2747907	2620110	904310.5	1202707	1304490	1156392	TRUE
195929.2	171121.4	183171.3	207187.2	157793.4	171048.8	207079.3	200252	TRUE
264368.5	178459.6	267135.9	346285.3	193904	225773.7	270204.4	235891.7	TRUE
198015.7	245921.9	167330.1	175197.1	177921.7	178117.2	288280.1	199967.6	TRUE
390142.8	322625	502546.5	649167.5	228186.2	283717	399278.4	339884.9	TRUE
134582.7	168861.2	94574.8	104166.2	117901	113614.1	176040.8	114207.8	TRUE
78837.9	116231.7	45959.2	33022.9	71678.8	36536.3	124946	75894.5	TRUE
99168.2	166167	45826.9	70409	68876.9	58918.2	167386.8	62934.6	TRUE
95066.4	154930.4	48624.8	56034.7	66887.1	52409.1	190720.8	72948	TRUE
37177.3	72957.7	131316.5	135285.3	42513.4	13646.9	11731.4	11052.8	TRUE
33303.4	38560	4168.7	5456.4	28410.1	4928.3	54180.1	25743.3	TRUE
80891.4	87038.8	63159.7	57595.7	86083.7	58797.8	105242.6	83228.7	TRUE
115371.1	121151.8	79443.6	99915.6	96918.7	92333	136082.5	117448.4	TRUE
56124.5	54266.7	54162.2	67388.6	56629.9	54372.5	43673.3	65449.6	TRUE
88523	56524.8	89082	94064.2	55868.1	98277.8	73347.2	87919.5	TRUE
366069	611422.3	229299.5	284742.9	352717.1	235035.3	611324.9	385096.5	TRUE
183559.1	147398.5	396527	371709.2	68244.6	114460.7	157877.4	116157.5	TRUE
876523.1	787304.5	1658902	1640786	568658.3	638684.7	840743.5	844139.8	TRUE
132673.7	275877.3	52395.4	56248.5	99953.6	50200.6	214677.5	108411	TRUE
1065181	2079516	393060.1	564439.3	811757.5	366960	2007668	711113.8	TRUE
51190.7	78021.3	20857.2	27479.3	39399.5	22762.6	72779.3	38645.4	TRUE
1367307	942566.6	733884	903126.7	787370.2	768892.1	551691	787347.9	TRUE
150478.5	151949.3	118928.1	136549.7	116255.9	130019.8	123180.5	118201.5	TRUE
5644944	4064442	4636765	6560908	6938193	4801609	4440245	6687626	TRUE
1855155	1332745	1675296	2138123	2003679	1797983	1421838	1965665	TRUE
228577.3	159906.8	180756.9	234569.7	223482.7	268933	176965	265913.4	TRUE
45148.8	89017.9	70979.7	102874	127101.3	24981.3	26388.3	26969.6	TRUE
26272.5	36406.1	45149.7	76339.7	67261	20897.6	12280.1	16568.9	TRUE
8688159	8985300	4770173	5076852	7050207	8925986	8644245	9031646	TRUE
136726.3	151861.3	106301.3	139994	115758.6	145314.5	139475.2	130885.2	TRUE
4855717	6288321	3691177	4051295	4691221	7230343	7213249	6631079	TRUE
149180.7	270559	262055.8	482808.6	376941.2	108069.5	103002	106069.1	TRUE
110577	162377	122668.4	178292.5	188878.9	106718.9	97288.3	111833.8	TRUE
236552.3	341667.8	282353.7	275210.1	384278.2	229657	182271.2	196949.6	TRUE
36604.6	33890	34359.1	38768.3	38141.3	42672.4	12747.6	37726.6	TRUE
113956.7	91809.5	64128.6	84739.3	96130.1	70233	67740.1	77340.5	TRUE
259117.9	187113.9	264346.2	340643.7	321302.4	242145.7	193631.6	273274.3	TRUE
1445050	1124532	1258780	1836685	1450358	1522853	1238519	1527179	TRUE
57626.9	138796	100886	229249.9	235442.6	25500.9	12645.2	30995	TRUE
93626.9	156946.4	117793.5	196472.3	219511.2	66711.6	53995.8	71448.3	TRUE
128490	143655.8	141553.7	153522.5	173642.5	233360.5	194963.5	212518.6	TRUE
45895.1	40470.8	41098.6	55721.6	52389.3	42686.1	23985.4	44201.9	TRUE

124680.7	171019.8	167662.1	228458.6	210196.4	102304	102037.6	102900	TRUE
51612.2	74305.1	63858.2	51915.7	68016	42487.3	58020.2	60666.7	TRUE
97196.8	54001.3	84731.2	107986.9	94667.1	114609.5	95942.2	143345	TRUE
59598.1	27349.3	46069	40496.5	31733.6	90039.5	35156.2	66315.2	TRUE
1027243	683976.9	662556.3	697817.3	692898.5	637534.7	466410.1	608363.9	TRUE
333935.3	294688.1	317354.3	347854.7	309348.4	358516.6	265674.5	301592.5	TRUE
3414534	2416224	4018567	4554830	3383915	3838926	2501177	3299966	TRUE
987237.1	665237.3	1069975	1261646	998723.2	1015337	814090.7	982315.8	TRUE
149405.6	92791.4	115892	120707.1	93353.5	137400.9	136321.5	113224	TRUE
290307.9	182773.8	250249.7	325466.3	230684.4	292954.5	246292	296445.5	TRUE
99050.2	156379.3	148961.5	255656.6	232102.1	75684	60525.8	77131.5	TRUE
63996.2	87091.6	91377.2	122333	109223.9	54842.1	52163.4	55166	TRUE
3620298	3357528	2771213	2777937	3883014	4340293	3336942	3835762	TRUE
2774446	2028657	2575346	3119616	2330239	2848342	2253358	2745368	TRUE
449018.8	372263.2	458312.4	518272.4	485312.4	521848.1	403041	496256.8	TRUE
429580.9	318922.3	417740.4	477461.4	406211.2	428400.4	377232.7	424018.6	TRUE
111545.8	85645.3	90801.6	104533.2	99842.7	110983.5	85340.6	127007.7	TRUE
83929.4	150019.8	116703.4	198093.9	185378	67797.4	53375	56462.3	TRUE
106410.3	175642	138788.3	260329.9	255002.6	56141.3	38559.5	49939.5	TRUE
12501338	11016189	8925931	9309872	11030131	14261639	12043074	14113049	TRUE
49388.8	42465.1	43746	46396.6	44845	55237.5	42150.5	49805.3	TRUE
64010.5	61747.4	54677.7	66781.6	62912.9	89181.6	74398.4	77525.9	TRUE
120133.1	290411.1	172906.3	220617.7	328601.9	81519.1	69476.8	84828	TRUE
304474.9	553586.6	285669.4	435910	515517.7	164983.7	189508.5	172788.9	TRUE
23468.5	24194.9	35192.6	34886.3	38512	29077.7	41360.8	31355.3	TRUE
53053.2	52912.9	61707.2	49548.8	45446.9	54700	53614.1	53315.3	TRUE
79889.6	54840.3	66404.6	62322.2	58687.9	67681.4	45485.1	64287	TRUE
1929772	1359937	1744228	1755018	1809243	1677825	1275805	1797862	TRUE
1165849	791125.3	938130.2	1014026	916155.9	955551.5	764957.4	957040.4	TRUE
94297.6	103115.6	112519.6	127542.1	118584.9	113239.5	84710.7	99383.8	TRUE
539890.6	336185.6	670049.9	803301	668306.5	698912.4	544630.9	635200.5	TRUE
609216.5	446813.6	790295	886551.9	829480.7	828736	572367	815916.6	TRUE
163550.3	135164.6	179996.9	163387.3	162621.6	184742.7	138525.6	174470.1	TRUE
118575.1	141616	134794.2	131820.7	142392	102767	117457.2	135098.8	TRUE
68625.1	52615.9	70286.4	70226.7	68899.3	83692.7	57813.2	76676.8	TRUE
46060.4	43941	66526.3	94579.6	98623.7	44716.1	35824.5	31114.6	TRUE
70557.1	111826.3	155021.1	173922.9	164947.7	72657.2	58136.3	60395.7	TRUE
367371.2	358254	304030.4	318768.3	444814.9	504651.1	435394.7	506221.2	TRUE
739263.3	841931.9	711468.1	760174.1	730665.2	829440.9	876873.4	918880.6	TRUE
1098175	1010365	952673.5	876265.8	1240827	1399932	1161097	1461303	TRUE
163088	265737.1	176712.3	239864.2	340362.4	201358.9	170354.8	181854.6	TRUE
71644.3	167208.7	100313.4	155109.2	231978.4	56153.2	40401.7	56384.7	TRUE
88872.9	67106.8	78859.4	87732.6	106251.9	92344.2	65223.6	89524.8	TRUE
33744.5	25155.6	43386.5	46107.9	50854.9	35916.9	49197.3	45485.4	TRUE

272402.4	206961.1	248854.7	338315.8	332598.7	224703.2	240314.5	334499.4	TRUE
99894.1	101868.2	73027	135258.2	119883.5	83160.3	104486	158173.5	TRUE
45912.6	37195.1	36069.4	65586.4	69463.6	40839.5	44119.9	56094.1	TRUE
14518.8	7427.7	15365.9	11398.2	23091.2	16024	18248.8	19710.3	TRUE
18064.3	6255	4799.2	23011.9	18696.9	17462.2	10879.6	27479.1	TRUE
458252.6	341504.5	375878.1	528883.7	298766.9	402668.7	336314.3	314922	TRUE
138857.8	84939.8	158693.9	146769.3	110110.9	167968.6	105769.2	121031.7	TRUE
462213.2	599228.5	494728.3	494075.9	481063.1	493183.3	398605	448186.7	TRUE
123007.9	87545.5	131156.5	138636.3	127706.5	147595	101005.9	118925.7	TRUE
104183.4	75996.6	114635.2	93514.6	94000.1	120973.1	94932.4	90360.1	TRUE
107135.6	115767.4	93523.6	114024	118120.6	123969.6	102630.3	130174.5	TRUE
1280629	1136544	1177206	1104309	1330553	1440439	1063756	1392558	TRUE
144443.6	160073.5	123478.8	114115.6	157609.4	188023.6	145558.5	191282.3	TRUE
282975.9	159545.4	138312.7	210172.9	158507.9	156939.3	105457	154110.3	TRUE
674022.4	447547.2	741142.9	771844.4	659199	761645.6	450080.8	644480.7	TRUE
940617.4	885361.3	1080426	1146725	941664.4	1138153	894603.4	1036255	TRUE
170263.1	128458.9	184038.8	136967.8	162369.6	171161.8	126358.2	166989.8	TRUE
3559127	3059952	2247536	2167867	4003059	3824920	3175827	3955556	TRUE
3691555	3210667	2134904	2240642	4155878	3751666	3297644	4157087	TRUE
169332	117401.3	124856	144820.6	180508	243842.9	159636.8	188613.9	TRUE
454404.4	264165.7	438495.4	473127.3	292403.2	474365	250119.1	257356.5	TRUE
984814.9	542148.6	1014137	1248058	671123.1	1063993	615947.6	771995.1	TRUE
1159414	748733	1417034	1582577	908410.4	1539181	902538.3	926158.2	TRUE
1039468	547309.9	672011.1	570313.5	1070043	1194397	635773.2	1066903	TRUE
11157083	8031248	5945495	8815940	8650450	6290251	6057015	8702788	TRUE
1260381	1015623	1223018	1563098	1487027	1301381	1129974	1490289	TRUE
93071.2	145624.7	134469.3	171168.5	212132.5	60251.6	57030.6	54175.2	TRUE
114684.3	101467.9	109766	135321.4	123797.7	98824.7	100105.7	122841.9	TRUE
325828	171463.7	260886.4	248523.6	197721.3	224753.7	177659	279213.3	TRUE
139194.5	97974.6	157270.1	212125.6	174334.2	195467.1	136421.2	144752.8	TRUE
1663243	1197786	1613677	2143720	1786468	2275849	1589466	1929108	TRUE
152046.6	150285.1	277635.6	259884.9	386084.2	354168	185009.3	262173.3	TRUE
574225.6	502193	478055.4	558512.8	651114.5	702635	505862.5	541153	TRUE
170095.7	285531.8	185921.2	269670.8	339177.4	304019.9	388546.3	166970.6	TRUE
40794.9	33650.4	44291.9	59263.1	61399.9	53339.2	43049.2	54741.1	TRUE
109989.5	99204.1	91890.3	117978.3	109140.7	99558.4	97961.1	108122.2	TRUE

42084	131967.7	89391	83730.6	106062.6	34354.2	48622	39806.2	TRUE
1655892	1260789	1041915	1161104	1285382	1080725	972414.7	1173211	TRUE
6302495	4198685	6157144	7794927	7123455	6583094	4738409	7371266	TRUE
144475.8	159329.8	129328.6	176807	165591	167591.8	122017.9	154127.9	TRUE
63322	49094.2	52826.6	57997.6	67480.2	59602	45966.1	71232.4	TRUE
30835.4	48749.3	43885	82701.2	75408.5	21248	25344.3	25269.4	TRUE
184742.7	152205.3	186540.7	220114.7	213678	194238.2	188693.1	215155.6	TRUE
62866.6	51757.6	56318.4	52874.3	43219.5	52578.2	62454	54617.5	TRUE
105598.3	81684.3	73290.9	64885.5	72609.7	95628.4	116781.6	94956.4	TRUE
79781.4	83462	41198.2	53573	60458.6	71687.5	62236.6	75494.9	TRUE
61918.5	68984.9	73895.6	99333.3	84249.3	94211.6	65565.5	61110.6	TRUE
395219.6	332095	217248.7	278033.1	354939	397580.7	373398	404369.9	TRUE
136155	103826.2	76587	111357	131356.1	159625.6	127683.4	134568.6	TRUE
57078.1	49539.4	58257.7	52510.5	73206.6	70845.7	52415.5	68851.6	TRUE
58477.9	28568.8	36681.2	26517.5	65220.4	70775.4	59711.1	88126.6	TRUE
231319.1	155384.1	172004.9	225161.7	222350.5	161121.9	172982.9	182883.2	TRUE
1033095	837845.9	637895.6	965609.4	1012526	754003.2	757649.9	1027939	TRUE
1192447	944715.8	1131493	1717829	1612414	1070624	1160558	1596997	TRUE
283414.3	282311.6	257158.1	283460.9	300759.4	285380.9	289345.9	293214.6	TRUE
243068.1	216249.9	262865	274402.5	231679	315271.4	198629.7	244084.3	TRUE
88707.9	45735.1	116726.9	105528.9	90009.5	106872.6	64032.1	88404.3	TRUE
183628.4	112628	215374.5	233199	162460.4	220426.4	124846.4	152454.5	TRUE
162118.6	102895.6	153609.6	150555.3	155020.2	162708.4	120753	176610.7	TRUE
121661.5	118274.7	105390.2	113076.5	109694	135671.4	104739.5	114989.6	TRUE
96673.9	45769.1	74056.4	78639.6	62395.2	121417.9	67714.6	88306.7	TRUE
33774.4	6160.6	40887.8	44439.4	46965	38044.7	31381.4	46789.6	TRUE
68745.4	49208.1	89257.7	73445.7	75328.2	87774.8	67079.2	104749.7	TRUE
33292.1	27765.2	40452.6	30316.1	29701.9	48551	25051.5	31604.6	TRUE
84405.5	60724.2	44568.5	39231.6	82843.4	59584.6	59570.8	79981.9	TRUE
88262.9	85373.2	59569.3	52822.6	92783.3	88481.1	86812.3	117371.2	TRUE
449348	280390.2	409510.5	444159.5	421577	529275.1	361508.3	537211.6	TRUE
79139.8	138630.4	71629.1	102320.6	155570.6	69529.9	61928.1	47259.2	TRUE
22456.9	9924.3	7473	11102.2	32624.7	29474.1	12310.3	30688.8	TRUE
1785259	1287402	1930881	2129309	1834682	1866742	1429522	1722116	TRUE
1590493	1120463	1684534	1913552	1724462	1721474	1255164	1719356	TRUE
173339	163119.9	161368.5	185049	187118.5	198065.3	201359.9	190779.7	TRUE
91456.1	111584.6	75790.4	104813	79785.4	85058.6	75646.9	90704.5	TRUE
4796372	4288540	3659926	3804423	4586637	5532693	4488351	5192835	TRUE
474092	449611.4	442013.2	469713.8	507484.6	618433.3	506106.9	538899.5	TRUE
255391.5	256205.8	228223.4	256678.4	262583.1	342364.9	287280.4	311777.3	TRUE

52962.1	38640.3	44700.4	56806.5	56995.9	37507.6	37491.8	52262.7	TRUE
184003.6	174003.3	159766.6	221760.3	203822	173889.4	170355.5	212740	TRUE
25322.2	25239	28832	11296.3	30007.1	36860.4	36072.7	41306.5	TRUE
25250.4	28634.1	24719.6	33597.6	28931.9	38844.4	16048.2	29748.2	TRUE
48320.8	47066.5	52752.8	46669.6	60791.4	33134.7	36903.5	50658.6	TRUE
177993.5	155315.4	129334.2	104598	153885	189048.9	212814.2	207748	TRUE
150634.6	148430.6	93331.8	122695.3	143847.1	198398.1	184480.9	181299.2	TRUE
978935.7	777601.7	998301	1002115	929569.5	925747	783667.2	872650.8	TRUE
406168.7	329643.6	405510.4	439468.4	389540.8	470040.7	334710.6	454599.3	TRUE
2668992	2524351	2138691	2729739	2636036	2325842	2922082	2552667	TRUE
1927763	1691943	1521448	2063801	1809042	1643357	1856105	1868051	TRUE
203456	195033.8	202163.6	177393.9	247253.1	209128.3	199997.6	278984.8	TRUE
383902.2	293685.9	366058.6	419264.3	432302.2	356643.7	341656.6	412061.4	TRUE
93076.4	91624.7	98926.2	105138.7	91750.1	124833.8	91071.3	95939.6	TRUE
79285.8	127946.4	123205.9	216105.4	216643.8	52001.8	29240.6	40821.9	TRUE
98162.2	65545.8	69568.9	96953.4	87731.3	101144.4	81310.5	84507.3	TRUE
2298652	2132356	1854922	1902159	2251183	2638073	2218819	2536653	TRUE
3388552	2943937	3334229	3262300	2930130	3557203	3258664	3349890	TRUE
849565	824763.5	740285.9	705086.7	837524	926823	887184.1	921022.8	TRUE
540870.1	453655.2	435390.5	421820.3	503351.1	559470.8	523302.1	573286	TRUE
65965.7	62003.7	59411.6	55609.4	66037	69573.3	68736.1	75057.8	TRUE
116176.4	105305.7	84899.8	101504.9	122818.6	166286.2	126482.7	112858.6	TRUE
147392.9	265948.8	155821.6	229117.9	257612.9	148816.3	142172.7	135621.6	TRUE
88175.7	156956.7	127643.9	148529.6	165922.1	105358.9	71560.6	88888.2	TRUE
174799.8	310909.6	217568.5	231184.5	343864.3	160306.8	127034.5	134576.3	TRUE
301789.2	365131.8	235080.7	294045.4	344332.3	267018.7	318879.7	339780.4	TRUE
361426.1	312611.9	286587.6	367626.4	403937	320249.2	338074.6	389310.7	TRUE
858066.4	761522.1	690704.6	776763.7	852083.8	733325.4	735271.1	976324.3	TRUE
166417.3	161637.3	160868.8	149379.4	208584.5	151630.6	170813.2	238142.1	TRUE
63779.9	55315.8	66147	66764.2	61288.3	46648	61094.9	58064.8	TRUE
580289.5	571940	540156.3	548220.1	536163.7	577234.6	607730.7	615399.1	TRUE
417926.1	415505.3	387147.5	381880.9	432404.6	432616.9	454936.5	429390.5	TRUE
1368773	1100245	1336891	1370556	1406944	1427063	1236890	1426653	TRUE
3015788	2938200	2323574	2431083	2974691	2889500	3168749	2961605	TRUE
1137560	1119965	945174.7	967895	1061290	1120695	1149075	1136910	TRUE
213134.2	231859	91143.9	194898.4	259625.9	88090.9	165410.5	232148.9	TRUE
103641	122534.5	58759	105618.3	108608.5	71580.4	100472.1	110824.5	TRUE
500985	665840.4	382712.1	673277.7	726751.6	386990.7	557340	734290	TRUE
812973.4	1210379	521535.8	1341010	1371516	519777.1	1033287	1375017	TRUE
103443	78449.3	79879.3	97005.9	135999.3	71426.2	115627.8	135268.9	TRUE
67707	91163.5	69776	105591.3	116708.3	50757.8	42921.6	48688.9	TRUE
428052.6	399075.5	416507.6	417409.9	377289.9	510451.5	466713.1	444502.8	TRUE
861373.3	828264.4	797941.1	770979.8	684452.5	938690.8	925955.1	891912.6	TRUE
63344.1	107718.2	71469.6	76266.2	93196.8	42151.8	61718.5	49290.3	TRUE

106311.7	75726.2	121794.3	121831.9	107601.2	121133	98676.5	116459.8	TRUE
33927.3	44652.5	32585.3	36839.1	69350.3	44110.8	59422.1	73838.5	TRUE
277248	353817.8	250438.9	312763.9	309405.6	311049.1	319031.6	345796.8	TRUE
80362.7	73883.3	85142.1	68426.5	94944.1	76391.9	95674.8	76327.2	TRUE
65147.3	59849.1	64271.8	66980.4	63877	58979.8	56276.6	63263.6	TRUE
76774.8	65835.9	65006.5	96418.9	111356.5	68741	92630.7	104960.6	TRUE
194891	207344.2	142346.1	182351.7	165302.7	214681.4	208153	220369.8	TRUE
181961	135628.4	210357.9	179147.6	202739	227137.2	189023.8	213444.2	TRUE
36883.1	43910.8	39350.4	29960.1	39273.4	33966.1	36312.2	39518.6	TRUE
57673.6	34602.3	56297.2	51189.5	136376	62095.9	35393.1	134360.9	TRUE
38077.3	31124.1	40469.6	18216.6	32487.2	26152.5	24677	38691.4	TRUE
21568.6	18926.6	17160.1	20586.2	19862.3	22101.6	18495.7	20709.9	TRUE
23521.6	20504.4	25408	18306	20401.4	31312.5	37158.1	26045.8	TRUE
37314.5	37346.3	33966.1	44878.4	44236.8	30464.6	82249.2	35759.8	TRUE
444658.1	479936.8	485146.8	453048.5	489481.6	498867.6	543326.4	501987.1	TRUE
163782.7	163570.7	161395.8	174432.3	190107.9	197797.4	179835.8	198569.7	TRUE
319166.1	287850.7	255562.3	316936.1	282107.6	320436.1	336274.2	307733.1	TRUE
91189.2	62651	54856.9	52248.5	72784.6	86233.9	82348.3	84914.4	TRUE
90852.9	77921.3	93020.6	104264.8	97569.1	111594.9	116193.4	100499.5	TRUE
160458.9	159769.5	158818	179587.1	159765.5	157625.1	154220	165848.9	TRUE
1507409	1226110	1665060	1959522	1955351	1802687	1613838	2025259	TRUE
78764.8	93925.9	89958	111126	127318.7	60029.1	62385.5	73387.8	TRUE
37529.2	115848.6	58549.4	100422.2	108742.8	27365.2	28392.6	31844.1	TRUE
364336.8	378741.7	365531.5	309797	384460.7	396683.9	391124.3	345301.7	TRUE
499828.3	460148.9	488624.6	477466.4	478013.9	513377.9	521554.2	514983.2	TRUE
44228	49297.5	58929.9	69730.1	75022.7	61168.5	56308.2	71836.9	TRUE
1004841	1016151	804090.2	991018.2	1103227	789362.1	920412	1101537	TRUE
9413135	10216716	8330300	8550806	7977626	9729610	10279425	10041254	TRUE
203502.1	214474.3	179146.7	226880.4	219025.7	213241.4	232381.4	201783.3	TRUE
65678.4	156064.1	79817.6	148937.3	116678.7	32169.5	40571.3	46153.9	TRUE
131236.7	81217.2	101286.3	72967.2	57793.8	107460.3	103194.3	112256.5	TRUE
37350.3	39752.3	28148.9	36754.7	30728.8	7215.3	36745.7	11559.7	TRUE
18816.6	23887.5	17708.9	9525.9	20671.1	9684.7	25686.7	9804.8	TRUE
714342.2	623651.2	716825.7	772819	726264.2	730025	641839.9	692646.9	TRUE
392819.6	352302.5	349964	328583	354326	390690.9	324584.5	358564.9	TRUE
766791.1	606766.2	663095.8	636355.4	695008.1	686574.9	685979.5	760687.3	TRUE
441202.7	412601.1	420788.8	446431.1	379041.2	421145.3	385571.3	430356.1	TRUE

79796.2	132447	101265.3	115985.2	60042.1	103860.3	144390.6	97096.8	TRUE
76594.2	63261.9	60725	79406.2	83200.2	49769.5	66314	67388.8	TRUE
48804.7	43575.9	37291.8	57330.1	62442.8	47152.4	38691.2	59537.4	TRUE
93060.4	91004.9	96620	115952.6	120737.6	91135.6	103972.9	132257.7	TRUE
50009.9	64750.3	61579.4	57380.9	61864.1	42376.6	65342.1	65345.5	TRUE
24678.6	5624.1	16115.2	3839.9	28042.2	13871.3	22212.7	26015.9	TRUE
15210.6	21219.1	26152.7	20835.6	22580.3	18946.9	13290.1	11870.8	TRUE
14185.8	10387.2	13203.3	12442.6	27593.3	5846.4	7530	8512.6	TRUE
59141.2	62409.5	59127.4	51331.1	46616.9	57032.5	65971.6	54690.8	TRUE
40726.5	39000.2	43068.2	40897.7	31465.7	66557.7	48663.4	57807.2	TRUE
29776.8	21495	31055.8	14537.9	17658.3	30460	28072.6	31638.2	TRUE
88136.6	62257.3	77765.9	93690.7	87186.1	83530.2	86377.9	77081.6	TRUE
428656.1	356815.9	414515.4	484497.3	532692.9	387472.8	444010.3	486967.2	TRUE
775300.8	729498.8	683603.6	885842.7	973079.3	751005.5	812608.6	950487.9	TRUE
1396072	1394224	1260396	1331996	1388504	1507052	1514983	1413815	TRUE
1455751	1499019	1277663	1383880	1361557	1519389	1581557	1486859	TRUE
162995.5	176244.2	140999.7	158926	146826.1	155960.1	184810.4	148185.5	TRUE
51522.9	45933.1	39095.2	62475.2	70234	38003.9	45885.5	65133.2	TRUE
1077381	1182556	1129053	1022058	1049990	1173980	1127388	1055028	TRUE
1543477	1630262	1376593	1384618	1634702	1405741	1656601	1473115	TRUE
142836.3	171647.8	151543	141101.8	192631	159500.1	182426.1	147025.4	TRUE
176883.1	177975.6	154583.5	201288.2	188383.7	168527	195134.9	185421.3	TRUE
54050.1	122045	76678.1	90266.8	121790.3	27857.7	20865.7	28189.7	TRUE
3189911	2680688	3358766	3135560	3179465	2741469	2901372	2723888	TRUE
2206158	1985423	2282630	2375884	1986575	1995324	2015761	1924359	TRUE
96530.6	86396.5	37207.7	46662.4	54743.5	51495.5	56865.2	48974.8	TRUE
204106.2	223320.4	97345.8	132564.5	142685.7	115768.7	184541.6	143577.6	TRUE
182359.3	184176.6	195507.1	230285.5	145337.7	198873.6	194856.2	157891	TRUE
363643.8	341728	481637	453965.8	319958.5	401810.7	376824.9	369047.9	TRUE
31479.2	34432.6	41896.3	51061	41668.5	10894.7	10298.9	10979.5	TRUE
17772.5	32661.8	15535.7	38624.7	30964	22821.2	28840.7	41120	TRUE
80337.6	70305.8	57924.2	63341.2	62964.6	59917.2	54113.8	68730.5	TRUE
170070.3	168726.3	159478.6	193446.4	195265.8	162213.7	202298.1	208163.6	TRUE
87750.3	95782.5	86146	90984.3	92837.8	94131.7	108439.5	98141.3	TRUE
446977.9	397721.4	335435.6	368064.5	386986.1	365204.2	391585.5	435062.2	TRUE
128465.1	126244.4	148498.2	174036.1	130729	134357.2	147884.9	125505.7	TRUE
44747.4	68128	68361.9	50823.8	67868	61161.6	66034.9	56247.8	TRUE
28423.8	30199.4	20758.4	8583	37202.1	26426.7	31934.7	23591.2	TRUE
2803080	3837339	2147118	3238601	3411301	2364870	3980354	3284772	TRUE
68122.8	108899.8	66837.3	66684.1	83671.1	19023.1	30785.7	28768.5	TRUE

261660.1	217133.4	183562.8	199664.9	256240	209526.8	277572	265451.2	TRUE
887811.8	850767.5	892042.8	941396.9	802510.7	790316.7	882890.2	759027.1	TRUE
140915.7	155823	130525.9	162357.4	153983.8	141330	172262	168718.5	TRUE
275210	256562.8	245416.5	227794.3	282786.6	231612.8	315498.9	253303.5	TRUE
991807.8	1062918	896319.1	955447.1	965841.2	920864.1	1307541	1065229	TRUE

709353.8	396514.9	464394.3	639977.9	655943.6	691959.4	493482.3	713741.9	TRUE
117626.5	118959.2	85501.9	97413.7	111916.4	104109.1	125468.3	106148.2	TRUE
343267.5	433477.4	319062	334873.7	292124.4	303149.3	357337.7	338949.3	TRUE
73562.3	78222.4	84781.9	90764.3	59242.3	80173.5	75456.8	67599.7	TRUE
73097.3	74023.6	65784.3	70169.2	65095.2	50101.9	69558.8	57198.1	TRUE
719215.4	651949.3	750343.2	858867.3	761157.2	730280.6	670844.4	733960.2	TRUE
22135.3	14785.6	28517.9	13878.3	29117.1	23179.8	16721.8	31727.7	TRUE
125149.9	131244.6	115717.7	104760.9	111910.9	132703.2	178292.8	123235.6	TRUE

129277	113638.9	182076.3	126113.1	121059.4	179594.6	134005.8	121656.7	TRUE
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214486.8	233652.7	173919.4	278721.3	266361	192964	313663.7	255941.1	TRUE
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216625	210397.8	195480.6	190263	204881.9	205440	206604.4	201442.4	TRUE
10435.8	7961.5	11296.9	7441.3	8140.1	17289.7	9089.6	22608	TRUE
7780.7	12981.9	10198.3	13681.3	23649.7	24265.1	13510.8	21406.1	TRUE
35823.4	33279.4	35839.7	37435.3	34182.7	24778.5	58011.1	30765.3	TRUE
55103.9	53991.4	47365.3	47406.2	57503.1	39880.9	54261.1	51678.5	TRUE
104984.2	83766.6	74980.7	98711.7	98778.9	98123.6	107791.3	110291.5	TRUE
83776.8	70976.3	103230.9	143717.8	65607.5	92624.5	108039.3	127055.3	TRUE
958866.7	1004122	779978	881228.4	886736.4	827023.5	1067988	841054.7	TRUE
1114144	1211289	928388.3	1046754	1100998	955560	1297778	1098671	TRUE
48209.3	98705.2	97411.8	71513.2	87279.6	30643.7	38963.2	33730.6	TRUE
1231158	1130804	1426855	1376231	1046681	1264516	1268964	1189438	TRUE
1513610	1355666	1652402	1551256	1435343	1431746	1478655	1434944	TRUE
5551.4	9225.3	6736.3	11201.7	9526.5	6722.7	10897.5	10189.5	TRUE

54000.6	6685.6	35079.5	44333.6	40994.8	50048	26217.5	34942.1	TRUE
71009	42986	51962	72456.3	82626.1	62309	59143.6	88074.3	TRUE
376674.8	471066.9	344157.8	385609.2	370400.9	386591.9	482115.8	420775.5	TRUE

79495.5	63948.2	84887	110421.2	91454.7	77600.6	73571	90927.7	TRUE
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582114.6	434064.3	466612	658101.9	532527.2	503859.7	445448.1	610357.8	TRUE
97139.4	90530.1	73083	90850.4	94110.6	79316	82361.2	85126.4	TRUE
59627.7	53390.8	51850.9	72805.7	66541.8	56100.4	51546.3	66809.2	TRUE
51322	89979.1	71069.5	152906.7	141149.7	29574.3	10128.4	34797.2	TRUE
22078.5	8921.6	18319	18475.9	18374	20221	24429.6	9264.5	TRUE
83385.3	100015.9	87457.1	92241.9	84463.3	109988.1	104540	109710	TRUE
218666	206964.6	167876.4	204703.9	259289.8	311751.9	266141.1	318728.4	TRUE
44654.2	24386.9	21679.8	32361.5	26644.5	62663	22641.8	42068.5	TRUE
49308.2	41809.5	40045.2	58071.2	48493	63648	39839.4	51530	TRUE
44093.9	29321.2	39485.4	42721.8	55192.7	40563.6	42837.3	46367.3	TRUE
140414.7	130953	124273	161412.4	176093.7	116801.4	134676	171151.2	TRUE
144466.2	143386.1	110584.4	142645.1	178560.2	138748.1	134932.3	168269.7	TRUE
198800.5	156299.6	137305.3	201064.6	232521.4	152685.9	147873.9	281349.4	TRUE
377677	357578.3	315827.9	454960.5	466153.8	334227.8	305770.1	517815.9	TRUE
174574.1	206857.4	187220.3	228902.9	219589.6	206110.8	216268.4	231975.6	TRUE
109378	100477.6	106794.7	110662.6	117888.9	99714.7	124797.5	119394.5	TRUE
55446.1	29249.9	51781.8	49487.4	44567.9	50010	33344.8	39366.6	TRUE
25603.4	11299.1	9685.9	11135.8	8408	19861.4	13168.9	7938.5	TRUE
100832.9	84063.7	94277.6	106594	96517.7	89234.2	79729.6	88780.7	TRUE
82410.4	58520.2	60189.2	74932.4	85849.7	77052.6	63672.9	74210.8	TRUE
211857.6	139799.9	209326.2	216897	207624	227430.8	131714.3	201955.2	TRUE
29332.5	5335.1	31759.3	49507.9	37451.3	23820.1	14074.9	33711.2	TRUE
52181.7	68107.5	75991.3	90916.8	75635.8	85234.1	48530	78055.7	TRUE
95419.3	71116.1	127526.4	180635.8	132022	161534.2	108344.8	136419.8	TRUE
118788.3	120068.3	165979.6	218803.9	174696.5	201942.1	169536.1	195082.9	TRUE
75914.2	82996	85605.9	128627.1	126249	64628.7	54738.5	69842.3	TRUE
47581.5	46209.9	63600.5	58176.2	58948.6	52869.5	45368	45956.2	TRUE
38677.8	32738	35046.5	43409.2	48824.2	27748.7	27557.5	43077.5	TRUE
28554.6	24947.1	28362.8	34392	47190.6	42669	41624.3	39357.5	TRUE
33015.4	33653.9	26308.9	38755.7	43915.5	39566.5	27782.8	42127.2	TRUE
28726.8	15412.1	24092.2	49772	52643.4	25779.4	38509.4	42752	TRUE
7837.6	7689.1	16416.3	22314.4	31577.9	20735.7	21685.8	34619.6	TRUE
59199.6	55604	44722.6	218376.5	77731.1	35514.2	48077	66802.1	TRUE
2011740	1240914	2016086	2238828	2033409	2063297	1403216	2157964	TRUE
71953.7	176041.8	173724.9	325144.9	314888.9	36554.9	12566.9	24570.2	TRUE
102265.8	399049.8	175295.6	172860.2	335691.2	40802.6	39431.3	56462.9	TRUE
555129	407869	570403.7	631328.4	635216.5	560671.4	493516.9	594042.8	TRUE
340357.6	240243.1	353090.3	414924.6	383901	365146.8	297818.2	377515.1	TRUE
503487	646354.9	671574.8	400547.8	460780.7	681740.8	672391.5	450809.9	TRUE
793802.9	898772.4	894804.6	658148.5	614120.4	997056.5	967015.9	689225.1	TRUE
702266.1	542557	759501.5	824221	877598.7	797925.1	704599.2	826059.8	TRUE
34329.8	32394.4	32740.8	33695	41989	42246.7	24991.9	40245.2	TRUE
141079.1	169982.5	128246.3	215433.1	216022.5	81939	77365.3	92333.9	TRUE
92999.2	201608.9	135980.4	249579.7	276632.9	30368.3	10825.3	32628.9	TRUE

27064.6	42191	40589.2	40364	44131.6	24578.7	32800	35829.8	TRUE
54579.1	26011.6	44696.3	35380.8	46341.7	44452.8	53330.6	44184.4	TRUE
99423.7	85218.6	95342.9	100916.4	98103.9	104384.9	87403.3	97875.1	TRUE
1261112	1302416	1006141	1101186	1286440	1493222	1415376	1484829	TRUE
1663256	1240202	1865747	1866474	2042725	1398955	1264342	1409433	TRUE
45992.7	42635	31999.6	40112.2	48315.3	59147.1	42095.5	60475.4	TRUE
129038.9	154186.1	98806.9	138232	152829.4	188115.4	151956.9	169946.3	TRUE
181234.6	187864.7	133221.6	138844.8	177359.9	219746	189975.5	184872.5	TRUE
121633.7	115245.8	82954.8	95079.8	108088.5	122240.5	108065	129174.2	TRUE
216777.4	228757.7	167361.8	177985.6	205381.4	265766.8	241043.7	231527	TRUE
154964.7	148077	123726	118452	143368.9	168561.2	162174.5	176367.5	TRUE
200183.8	187311.4	121806.3	165150.8	184538.2	251251.7	210606.5	244773.7	TRUE
85209.6	109061.6	79142.1	74521.7	92999.1	121658.9	109186.7	108627.7	TRUE
123533	125204.4	101323.9	91358.7	99143	152087.9	133369.7	128421.8	TRUE
67532.1	91415.7	57502.6	81951.3	83048.8	92275.9	73969.9	93992.1	TRUE
75495.3	91553.6	68616.6	76191.5	72590.7	92225.5	82582.7	109505	TRUE
82788.6	83252.3	68439.2	78772.5	66639.1	106117.2	80956.5	93495.4	TRUE
109454.6	107643.3	91621.3	87143.1	104672.3	124877.5	123337.2	126444.7	TRUE
82595.6	85490.7	53023	61612.4	87233.8	90740.7	76067.1	95702.8	TRUE
49121.6	38392.7	32203.9	39279.3	36917.1	46208.8	35015.2	50854.3	TRUE
86958.5	131033.3	102194.2	95107.3	127055.8	93874.7	65056.1	96539.5	TRUE
49567.1	44207.2	40023.8	44557.1	54461.8	45435.1	51601.3	39332.4	TRUE
129294.6	106864.2	92957.7	89512.5	112714.9	116120.2	115157	99466	TRUE
39018	52917.9	58683.3	28471.8	50764.1	49954.7	56996.7	42353.5	TRUE
74443.2	77948.1	63917.7	49063.5	73262.8	56796.8	54230.4	74120.5	TRUE
127325.5	119416	98572.6	102304.4	84943.6	122966.7	112666.3	129629.7	TRUE
331066.1	309043.4	209604	260284.4	273770.5	314002.1	316855.9	324566.8	TRUE
111407.4	113176.2	35161.1	61300.1	57927.5	87036.5	91100.3	101719.6	TRUE
156612.5	138401.2	105060.9	147911	169075.7	144235.4	145744.2	160413	TRUE
129378.6	116597.9	75439.7	121752	140352.2	147069.5	130072.8	164946.7	TRUE
931617.4	1184969	775908.5	844311.1	959920.8	1330145	1234886	1287615	TRUE
95409.2	93012.2	95179.2	100367.9	98121.6	116431.2	122636.9	117899.4	TRUE
135430.3	178681.5	236227.1	224641.5	263070.9	128690.6	131774	117047.5	TRUE
153704.8	352754.8	183343.6	241057.3	313801.4	152718.9	123566.7	141488.6	TRUE
42359.6	10836.2	25219.8	40039.6	27386	45262.9	42420.9	37271.6	TRUE
58848.7	63815.4	39953	56100.4	64795.7	47729.7	53885.3	58009.9	TRUE

150533.7	127837.3	155402.1	208396.8	218526.1	156176.7	169957.3	206583.3	TRUE
60904.9	49594.9	64066	93625.9	78419.3	59598.4	64539.2	92923.4	TRUE
193800	165201	197619	293496.9	277922.2	222065.8	192960.8	276421.7	TRUE
115450.3	84351.6	116154.9	200517.1	177303.1	142823.1	108803.3	208166.6	TRUE
89147.4	103705.3	80429	81439.8	78828.1	85050.7	94800	107677.4	TRUE
343049.9	339800.3	295269.2	327158.8	283213.6	310290.5	287362.6	293201.1	TRUE
457287.4	271706.4	505071.6	600733	489081.4	515733.4	385725.5	507709.3	TRUE
710397.9	685728.9	680310.5	653465.9	915473.2	811958.8	675107.9	780692.7	TRUE
826015.3	830322.6	607656.8	613563.7	917988.4	1096608	868032.3	1065490	TRUE
477363.8	413906.5	455163	386454.7	375506.6	466273.1	401820.9	361708.7	TRUE
921775.5	671335.9	683143.1	710959.4	657929.1	694237.2	594542.8	673762.8	TRUE
315966.3	260313.1	357540	397970.8	333388.4	367633.6	321893.7	329602.3	TRUE
965065.2	704114.8	1043500	1181789	1130951	1069966	825430.1	1054794	TRUE
67686.3	63947.3	61116.3	66568.6	75295.1	48008.9	54640.7	49927.3	TRUE
1387661	1254117	999089.3	1057704	1384730	1586075	1295748	1427400	TRUE
10791554	10408452	7840521	7806326	10384853	11571852	11266311	12301203	TRUE
509476.1	490848.6	398879.4	674039.5	696878.5	436995.1	504059.9	693901.1	TRUE
1421965	1333961	926173.4	2292037	2590801	1032018	1601074	2426153	TRUE
217096.7	193872.8	146863.9	243390.3	244950.3	168412.9	186648.3	263243.7	TRUE
140790.6	106020	91914.3	139014	146457	109533.8	114429.3	146955	TRUE
313693.9	301917.9	224997.9	451257.7	408078.5	276844.4	334842.5	455749.3	TRUE
159250.8	152537.8	145392.1	219999.4	216548.7	133574.9	181309.1	222375.8	TRUE
119902.2	114487.4	111249.5	184063.9	199976.3	115750.8	117416.9	178876	TRUE
54283.5	37195.4	30033.1	54410	58339.2	35592.7	50432.9	76293.7	TRUE
92096.6	54588.2	38311.4	95497.2	77918.6	46844.6	57358	77213.3	TRUE
27822.1	61469.9	40476.7	114831.1	135706.7	4579	9418.4	23345.3	TRUE
75928.4	150802.1	64694.2	226120.5	276236.4	43199.3	43511.3	70680	TRUE
68468.9	35808.3	17359	50785.1	44545.8	28746.3	32542.7	61227.3	TRUE
150329.5	86608.3	49419.6	119404.5	108159.4	83874.3	83065.9	116503.3	TRUE
17101.1	5599.9	6110.1	8796.8	18545	6296.6	8252.9	20517.6	TRUE
1320110	1903913	1227758	1360476	873319.3	1974352	2005315	1831953	TRUE
7638367	11382205	6622471	7164604	5173489	11637991	11607431	11055534	TRUE
112797.7	94724.5	117345.3	119286.5	115586.7	104620.5	122794.8	121940.5	TRUE
26525.8	27646.4	9444.5	24239.5	17475	24991.3	28973.1	25978.8	TRUE
39031.6	68031.2	56244.6	60398.5	49107	33734.1	12477.9	14160.7	TRUE
148325.5	437690.5	180689.7	257646.1	188681.3	104388	97867.5	89891.6	TRUE
201597.2	68899.1	63994.5	67843.5	85594	89161.4	81975.6	72444.9	TRUE
1338374	799379.8	1193752	1556691	1363944	1284382	961581.2	1415154	TRUE
289195.5	258052.6	234305.7	324204.6	306651.8	271634	286062.1	330775	TRUE
122248	128419.2	110659.9	170985.6	164710.9	130802.2	126214.2	155439.5	TRUE
60955.1	45531.6	83510.7	114960.8	90274.9	100666.8	87782.4	100071.3	TRUE

12849.1	11379.3	22743.6	13686.7	21584.5	20166.6	15154.2	9292.4	TRUE
257874	223145.6	247450.6	300745.2	290720.9	303399.9	232709.8	315432.9	TRUE
110325.1	51408.6	91817.6	136442.8	121847.9	114795.9	115754.8	147121.1	TRUE
84443	76121	70720.5	80208.6	94351	93909.8	89486.4	90630.7	TRUE
2782233	2575725	3445231	2281637	2951680	3322338	2841361	3186589	TRUE
20321.9	39723.1	36818.7	37751.9	62294.3	9163.1	13312.3	12962.6	TRUE
52366.5	53420.6	60218.1	66557.5	55557.1	65784.2	53636.5	58820.4	TRUE
37678.3	23988	28164.4	15269	26146	51847.7	14227	40712.3	TRUE
209169.4	171606.2	139292.5	151257.2	170581.3	227128.8	210723.7	253646.5	TRUE
275691.4	255864	149072.4	162776.2	210860.1	320096.7	282116.8	330897.2	TRUE
32249.3	42310.7	33889.2	35474.8	40593.9	57663.1	48052.9	54258.3	TRUE
14582823	9222540	13867890	16083903	14352730	15310956	9967203	14666678	TRUE
483265.3	366225.7	495858.1	675680.8	510221.3	555119.7	451414.7	508124.6	TRUE
186422.9	203891.8	215170.9	382397.3	372650	95891.7	55746.7	94388.8	TRUE
6568661	5954771	4801475	4813774	6690725	8334059	6890393	7409582	TRUE
7114416	6745995	5116827	4960298	7533998	8695819	7173591	8738032	TRUE
136380.5	282086	135985.1	188374.6	292567.6	109825.9	74381.4	88291.7	TRUE
22528	7382.2	12704.9	11172.5	8897	25465.9	8852.6	25849.2	TRUE
248694.9	195849	194444.6	222530.7	193091	196187.5	133216.3	202809.7	TRUE
190109.8	175563.9	158769	184159.7	173838.1	168203.9	134397.7	181922.9	TRUE
497014.2	338618.5	434766.6	513351.5	406039.7	410708.8	287750.3	407844.7	TRUE
475838.4	354538.9	491095.7	643504.3	522021.1	578939.7	426815.7	534027.4	TRUE
891167.6	611548.9	1026870	1229960	1077162	1045062	820469.9	1073691	TRUE
127109.7	94648.8	140831.3	127010.4	133589	109548	114887.7	137816.7	TRUE
76848.4	61912.3	98001.8	116252.5	107861.8	102472.5	77403.8	85033.9	TRUE
233992.7	186359.5	246930.4	311044.5	261506.4	293043.6	232082.1	278721.4	TRUE
94490.9	79542.2	99934.9	138319.2	121302.7	108421	108514.5	116398.9	TRUE
79180.2	47325.2	79468.6	104655.4	91629	82357.7	79816.1	83865.4	TRUE
174059	151329.8	155783.3	180353.9	153179	183436.3	167219.7	195146.7	TRUE
42976.3	52666.1	57932.8	64215.5	66820.1	40593.1	41854	46096.1	TRUE
27219.6	33641.6	50403.1	53051.4	65888.5	6259.5	10297.7	22614.9	TRUE
42748.3	44936.1	32459	69845.6	68701.5	49826.5	40965.2	56201.4	TRUE
73710.9	41601.8	45402.1	67551.3	63394.8	54837.2	60689.8	65948.2	TRUE
43919.9	53814.7	49670.2	80671.9	76985.5	34908.6	37236.5	34542.6	TRUE
238876	245494	293584.4	270306.9	298472	275826	260332.8	285616.5	TRUE
480163.8	321904	486025.5	482201.6	443518.8	487534.3	412371.8	512986.9	TRUE
246304	244240.3	240400.9	204911.8	312611.7	340109.6	320597.4	341036.3	TRUE
87197.1	109657.5	91919.1	82181.7	113607.6	105556.8	101821.6	87371.4	TRUE
63063.6	87955.1	67016.8	97325.6	103742.9	39467	62901.3	48171.2	TRUE
43338.4	42422.1	52082.5	50509.1	66435.7	68382	43703.7	60882.7	TRUE
6829748	4154344	6618990	7464187	6722909	6526292	4707977	6226196	TRUE
1653062	1159171	1460150	1669460	1580865	1524515	1144780	1383767	TRUE
13262115	12180207	9180145	9483328	13289297	14858393	13123545	15027394	TRUE
5299551	5072481	3519501	3628762	5727087	6663159	5373083	6494138	TRUE
157678.1	156493.2	151607.6	153558.6	154235.7	181326.8	202689.7	171320.4	TRUE
88225.5	78501.4	55586.6	88704.8	70357.7	74382.4	96632.6	82836.9	TRUE

12800.7	14279.7	5927.9	16632.7	6380.4	23002.1	11143	12517.5	TRUE
39892.8	54176.6	35508.2	34074	46494.6	38424.2	63629.9	48163.4	TRUE
93463.8	71231.3	101124.3	113516.2	73150.6	93226.1	92612.5	99118.3	TRUE
99608	96561.7	100832.1	84631.5	96962.4	88145.5	98446	97156.3	TRUE
108421.7	94417	83411.5	92282.2	85793.4	104809.3	98594.8	100700	TRUE
33022.9	31265	21641	9430.8	23785.6	23153	37958.8	33164	TRUE
52462.6	49081.9	55297.5	46076.8	44249.6	51530.6	51975.5	55418	TRUE
139390.5	168648.2	167270.9	135590	132808	133056.4	156184.8	134778.4	TRUE
111708.8	84900.7	94664.3	110550.2	81898.4	87624.1	105936.3	107075.4	TRUE
73427.3	45811.3	44328.1	62068.8	49261.6	69221.8	71330.8	65382.7	TRUE
66432.4	60657.7	49892.5	78319.1	56215.3	71847.2	58468.7	70852.8	TRUE
190299.5	163844.8	143089.7	197935	200159	138201.3	222634.7	174398.7	TRUE
374501.4	316740.8	355936.2	397861	256683.9	325105.1	363788.7	328250.6	TRUE
1112181	910080.7	972054.5	1178734	818847.4	1085650	1081985	1095783	TRUE
257798.1	363190.4	122576.9	243963.5	348371.6	136378.7	356340.4	311211.1	TRUE
350310.5	539348.4	194193.6	381496.4	453572.9	194340.1	427841.5	447659.4	TRUE
182985.3	242877.8	145508.2	283951.2	311406	154230.7	366653.6	344648.2	TRUE
121646.5	188014.7	85377	177132.3	258282.3	115162.2	219743.4	228526	TRUE
24170.7	68301.8	33346.8	36472.7	67180.8	7560.6	9097.7	9433.8	TRUE
91421.7	120662.3	112952.1	139110.9	95154.5	123771.7	118816.4	122761.2	TRUE
49477.2	71126.7	89145.1	80362.4	38417.9	79258.3	87241.8	58998	TRUE
666670.7	639294.2	494933.1	568046.2	697620.7	522192.8	774341.1	657519.2	TRUE
243700.3	261623.5	205799.2	274483.5	276241.1	204308	283755.9	266439.6	TRUE
296072.4	291874.3	257796.1	318751.9	310388.7	269027.2	352182	360777.7	TRUE
72856.3	52981.9	63650	76451.9	82139.1	62533.3	80337.9	75912.7	TRUE
83176.6	73040.9	74593.4	82096.7	92338.9	86986.3	100730.5	93146.9	TRUE
38385.3	48282	33103	32010.7	53996.8	33401.2	44142.2	47254.3	TRUE
73344.3	99656.1	68905.8	76600.8	82978.9	74889.3	84167.8	86506.4	TRUE
31392.7	39794.9	28879.1	52249	51660.1	6397.2	12649.3	26025.1	TRUE
237733.9	214459.9	191839.1	243412.6	261386.7	204620.6	258451.5	254689.4	TRUE
483265.6	463159.4	507748	493653.7	383205.9	460745.7	479362.1	459397.8	TRUE
347580	316103.9	369487.5	376449	286458.3	341840.9	315129.9	335524.7	TRUE
26435.6	28721.7	26525.4	30819.5	25742.2	24672.3	30821.6	29937.1	TRUE
169938.4	163557.8	153392.9	204540.8	192297.7	154297.9	210076.3	185325	TRUE
258465.1	271397.6	245300.6	252819.9	277516.7	239291.3	304465.5	331022.8	TRUE
92404.4	71560.1	114943.6	113581.9	66907.3	84369.5	86052.8	100869.7	TRUE
50651.9	69521.1	52030.1	58291.7	78672.2	42142.9	56753.2	44275.4	TRUE
196906.2	235640.2	150462.2	168723.5	192470.4	147070.1	237719.6	210117.7	TRUE
79697.1	91770.3	86665.5	73678	63472.6	71724.2	72597.7	53901.9	TRUE
60255.4	59027.6	84639.5	74291.7	59774.1	60445.3	65284.5	71042.4	TRUE
379555.7	489016.1	311552.2	356730.1	355582.4	358331.8	395893.1	429631.2	TRUE
436708.3	435352.9	491607.1	552341.9	545200.7	462921.9	446453.3	457362	TRUE
1684475	1390683	1603505	1612923	1287009	1495544	1426969	1440256	TRUE
246913.8	322706.3	233227	196344.9	213171.7	191682.8	273849.9	216427.3	TRUE
154399.6	166293	119669	140591.8	142606.5	159366.2	165393.7	149776.9	TRUE
215861	209483.9	221859.3	234488	243140.1	239803.1	256109.4	247489.5	TRUE

207446.7	209033.9	220508.6	238831.2	272976.8	245291	239075.5	245971.1	TRUE
107352.5	150886.6	77422.7	113109.8	122481	88243.7	126538.4	123278.1	TRUE
295626.8	301654	171580.9	268813.2	268307.8	228770.8	352719	309104.4	TRUE
26917.1	22059.2	21151.2	17003.5	22125.7	24849.1	38257.5	19282.9	TRUE
30894.3	5767.7	14671.3	9727.4	19268.6	17432.3	12483.6	16397.3	TRUE
383083.4	302899	399794.4	407496.8	417673.9	357452.5	389914.2	408205.8	TRUE
524718	514349.5	422016.9	543164.4	664813.9	454259.9	545304.9	651124.5	TRUE
434421.3	412648.5	427497.5	413612.4	329183.9	379554.3	489580.9	412911	TRUE
412628.2	416720.4	457220.6	459800.7	382367.2	431824.6	484555.7	453124	TRUE
30325	37656.7	19437.3	10352.4	7965.2	20193.8	16704.7	29110.9	TRUE
64222.6	68506.9	52728.7	78536.8	80389.4	87415.7	100150.6	98468	TRUE
106694	105974.5	91782.3	97787.2	117541.8	112545.7	148539.6	106142.4	TRUE
80173.3	90410.1	84453.6	78049.1	80055.3	101343.3	116057.2	101518.2	TRUE
57030.1	58094.5	45727.8	53029.9	50385.3	45471.9	44223.7	47124	TRUE
108224.8	97636.7	66608.3	113014.1	102736.4	89472.9	111202.9	120677.4	TRUE
49097.6	74906.3	61425.4	67391.1	70959	55551.3	70561.9	66935.5	TRUE
231256.5	245235.8	179864.9	248560.1	211397.8	211711	269858	232936.3	TRUE
79650.6	92644.6	42934.5	62840.2	67838	58790	84059.2	78539.4	TRUE
82055.8	116140.1	49482.2	99270.8	88377.6	63892.2	96716.3	84500.7	TRUE
23176.9	20225.8	21935.1	20498.7	10043.5	22385	22138.1	21439.7	TRUE
299530.7	202724.5	231988.4	224577	249574.9	356910.3	308886.4	357886.9	TRUE
51019.9	83987.4	47951	58929.9	44628.7	55225.7	82094.7	45139.5	TRUE
55180.6	51316.6	67508.1	75739.6	57560	73320.9	73464.5	70535.1	TRUE
23615.4	37406.9	32526.8	30563.5	50669.8	48061.1	50757.8	44358.1	TRUE
80006.3	84906	99640.3	90216.1	114564.5	102572.5	124683.6	122732	TRUE
64982.3	100914.8	55822.5	75491.7	88280.9	46665.4	83264.5	66079.7	TRUE
68736.2	74039.3	62223.9	68325	71798.5	50937.4	83132.9	72126.6	TRUE
291372.4	275930.3	213348.2	354483.5	243153.4	248289.2	297169	254252.2	TRUE
242022.2	210490	320882.7	299518.9	229233.3	293333	236522	255773.1	TRUE
510455.2	493559.4	542566.8	588396.7	413177.4	564057	512169.9	442203.5	TRUE
270492.6	223373.8	263967	251181.2	217454.4	258192.9	255037.4	201807.2	TRUE
142655.7	115333.5	177701.9	143429.6	97603.7	157414	150832.8	117160.8	TRUE
750636.5	747239.2	878792.7	852422.3	652155	817112.1	789669.9	553066.6	TRUE
149843.2	154800.9	157767.3	173013	165226.9	153682.3	176114.8	157238	TRUE
33450.1	47250.5	34817.7	30533.6	35441.6	29757.1	22914.5	36516.4	TRUE
25801.3	6730.7	23296.2	13743.1	12971.8	29050.5	32870.2	30282.3	TRUE
16279.3	50386.7	30154.6	41583.4	34900.2	7207.1	8172.9	5972.5	TRUE
302541.7	239154.2	240325.3	256937.8	178303.5	209891.8	293234.6	231181.9	TRUE
64343.1	176258.5	206321.7	124004.9	136527.1	45797.9	52805	54863.8	TRUE
748848.7	762552.7	771271.5	828306.1	700613.8	748720.3	780075.4	688837.3	TRUE
205518.7	195751	230610.5	203751.7	170765	212414.7	197021	178318.1	TRUE

189970.2	161209.8	225827	164842.5	160385.8	187981.3	166081.5	196431.3	TRUE
1731388	1792905	1700579	1830942	1229069	1776857	1748653	1323190	TRUE
350454.1	343160	298507.7	318740.1	266274.9	355409.8	369003.2	289783.4	TRUE
3317744	2463962	3583303	3367636	3526532	3480199	2661323	3192393	TRUE
42009.9	39451.9	32579.1	52737.6	29950.9	55811.9	36705.1	44925.9	TRUE
19145.8	11541.2	28256.6	31735.5	32998.6	23332.8	25456.2	35980.7	TRUE
1941299	1818529	1530361	1842394	1551746	1556559	1758126	1508652	TRUE
7312515	6961393	5789574	6518300	4735461	6145690	6384438	4756555	TRUE
2613757	2365474	3097473	3691396	2598637	3333692	3364666	2654573	TRUE
1489711	1352876	1562682	1946617	1642820	1780849	1588399	1670277	TRUE
100385	260898.8	157326.9	208163.4	203677.2	81446.6	69535.8	48237.2	TRUE
371179.1	376558.8	341185.3	580309.2	333583.9	347630	439284.5	356418.8	TRUE
131995.2	149668.6	81301.9	188878.1	114254.1	107760.1	207972.1	115169.4	TRUE
179716.6	172105.5	133494.1	133824.9	125024.6	141578.5	203137.5	171461.6	TRUE
622316.6	576866.1	526841	539185.2	565057.8	516368.3	686407.3	625670.9	TRUE
2303477	2138785	1959999	2277080	2386932	2196764	2558454	2497662	TRUE
30777.9	53568.2	36484	45053.4	39584.7	38307.2	48616.7	58485.8	TRUE
485868.4	413920.1	445916.6	563801.5	474479.4	521938.7	558705.6	607234.8	TRUE
303596.3	236779.4	303620.7	386728.7	296797.4	317795.6	361677.7	353510.5	TRUE
381437.5	333020.3	257004.9	419330.4	200332.3	465159.4	488089.4	305082	TRUE
340778.6	276754.8	203854.3	335380.3	202056.6	363878.1	400253.2	290810.5	TRUE
157803.3	178687.2	133139.6	195519.8	154279.3	109577.2	167395.9	130473.2	TRUE
238493.2	199132.5	215486	227976.3	175285.1	242012.9	210462.5	228753.1	TRUE
214090.8	234775.5	249485.2	163423.4	155448.4	236258.1	178850.6	176848.4	TRUE
579345.2	549098.4	615486.2	602518.7	519144.7	661636.9	628285.9	535945.3	TRUE
1035836	996692.9	1119529	1137402	967522.5	1192089	1139698	903171.3	TRUE
791106.3	663747.3	755587.7	662829.2	843565.1	666531.8	588075.4	627322.2	TRUE
58673.8	54239.8	54250.5	55782	49321.5	57285.3	40653.5	39033.8	TRUE
264909.7	224907.8	280490	301489.9	313027.5	297560.4	231662.7	273882.8	TRUE
390474.2	295080.4	408798.2	417071.8	416311.9	379719.8	333441.3	373189.9	TRUE
151445.8	134968.3	119305.9	181845.9	143977	172894.8	146442.5	135651.2	TRUE
209771.2	234476.1	221057.9	217978.9	197204	226732.7	219506.3	204177.4	TRUE
72354.3	89291.1	64540.6	84121.9	64050.4	66782	59851.1	64284.5	TRUE
802255.3	717272.1	971971.1	903559.8	669848.4	878892.8	724101.9	862281.4	TRUE
55564.4	42185.5	54957.7	51904.8	55738.3	65559.5	58925	47134.5	TRUE

61419.8	45113.4	96296.1	54879.2	44233.2	76526.1	54393.9	42855.2	TRUE
30744	13553.9	33697.5	24479.8	26912.4	33725.4	47888.7	13385.2	TRUE
21286.8	30385.2	30079.1	38292.4	27606.7	33413.7	43939.5	21914.2	TRUE
55902.9	61190.9	47178.6	51757.6	36701	52329	63961	64489.6	TRUE
55118.5	82738.8	79033.1	62210.7	72201	46388	60191.9	43989.7	TRUE
47995.4	48720.2	109676.2	45039.9	44662.6	42777	41510.2	42000.5	TRUE
31825	52559.4	40669.2	39975.3	46644.1	40174.9	36013.8	37483.1	TRUE
28101.2	19240	35713	24191.7	7511.4	30388.7	15234.6	25263	TRUE
24646.7	40305.1	36806.5	32982.4	40313.5	25609.1	19896.5	10664.9	TRUE
1362293	1375769	1322687	1484990	1101917	1487375	1480177	1103790	TRUE
1744498	1610475	1812066	1757358	1548294	1774242	1837519	1566823	TRUE
35384.9	75563	59518.4	78582.1	79621.1	23137.8	21521.6	28360.6	TRUE
2357124	1856524	2716468	2444577	2384643	2475253	2000859	2431495	TRUE
9673546	7286901	10176350	10060858	9777607	10148874	8073405	10335473	TRUE
118157.1	96733.8	114344.6	94737.9	100374.4	99123.4	111700.5	120652.5	TRUE
108203.2	87765.3	82838.8	88547.1	87555.9	79354.2	77282.6	105945.9	TRUE
51113.4	30021	30667	49807.7	52667	52233	47900.8	53477.4	TRUE
51657.1	43860.5	48653.1	56063.7	53148.3	53528.3	42469.9	61294.1	TRUE
26652.2	25498.2	36424.2	26834.9	34424.1	38769	30304.8	26560.4	TRUE
22068.7	16001.9	10031	9081.5	19689	28038.1	9906.4	20063.4	TRUE
508915.8	480768.1	626025.6	495171.6	379536.7	700067.9	449392	419337.7	TRUE
1129812	1137318	1386521	1070243	767449.9	1469349	1215349	775303.1	TRUE
416266.7	431371.5	339063.5	330878.2	273557.1	343531.7	386715.1	307505.7	TRUE
77558.7	42346.5	55429.7	75362.3	65004.7	67801.2	49158.7	60080	TRUE
65114.5	45037.7	48290.6	39145.4	47530.7	49157.6	58306.1	53253.5	TRUE
61611.1	125525.5	73764.2	90010.3	115475.1	48922.3	58026.4	52192.7	TRUE
56470.7	33988.3	43139.7	57774.7	44173.4	78545.8	51610.2	52441.3	TRUE
64938	67081	41974.7	32746	51924.5	46309.7	51305.1	32419.9	TRUE
509201.4	417060.3	431717.7	375588.4	311966.4	500938.7	428538.6	293808.3	TRUE
243016.3	274378.6	305940.9	365740.5	269637.5	327651.6	311153.1	291925.4	TRUE
241935.6	215825.6	273628.3	337956.3	250805.8	289626	299926.2	246684.8	TRUE
29180.5	33978.9	18930.9	26368.7	29105.8	36514.8	31195.6	34525.6	TRUE
62331.8	68220.5	57772.8	81956.1	43823.2	79213.2	75924.8	50787.4	TRUE
177004.6	124863.9	155137.7	130808.9	150555.8	206118.1	183730.7	189406.1	TRUE
34427.9	55498.6	66321.3	48437.6	36299.1	53648	34402.3	40920.6	TRUE
66933.5	49962	146630.4	89091.4	129742	95973.4	87734.3	140163.9	TRUE

67115.3	55421	55592.7	60574.5	56870.6	49063.6	53555.8	62757.4	TRUE
64190.4	74459.4	48066.2	57439.7	63985.4	67828.3	75486.7	72637.3	TRUE
135844.1	129293.4	105609	136755.4	100244.6	128242.8	136940.4	135104.5	TRUE
101916.8	98236.2	98033.7	104583.8	132784.8	109308.1	114512	102498.3	TRUE
799469.6	629107.7	671293.3	740608.5	685644.9	778158.3	830676.9	835942.2	TRUE
165629.6	184689	134878.1	177511.2	186282.7	212217.9	200226	203868.8	TRUE
278299.3	212066.9	310220.5	330027	243009.2	512706.7	218120.4	451188.4	TRUE
2508992	2532324	2725319	1498780	2605647	2745482	2517805	2601903	TRUE
1274371	1161134	1274972	642366.7	1244689	1314747	1248544	1283722	TRUE
86489.1	61259	88455.6	68932.6	99683.1	92070.3	94892.7	113187	TRUE
678811.8	656751.5	635824.4	577918.7	452673.1	512362.8	520151	528072.4	TRUE
270960.2	268107.7	295240.9	365251.5	181001	238128.5	267640.3	232593.7	TRUE
455772.9	452168.3	511232.6	471690.2	481798.3	428996.4	456193.2	460632.4	TRUE
435574.2	426300.8	513947.5	519363.8	453355.1	473304.9	474420.5	493428.5	TRUE
2223045	2254054	2578257	2499785	2395346	2170832	2327483	2246275	TRUE
1752040	1449371	1448546	1384091	1210338	1664543	1435951	1287825	TRUE
553415.1	541496.5	665245.3	539506.9	560938.4	683326.7	560220.2	641821.4	TRUE
416773.8	438249.8	530426.4	508328.3	416918.6	577824	498966.7	424917.1	TRUE
268432.2	275233.6	298768.5	287886	256289.8	315759.5	292022.1	276159.9	TRUE
61204.8	57299	68376.8	67490.3	54623.1	71595.2	62423	65831.6	TRUE
43724.3	95708.1	69618.3	94600.1	73796.8	51928.8	47362.4	44682.6	TRUE
3078787	1903519	2777643	2677746	3105498	2929115	2087073	2901025	TRUE
135070.4	164698	128208.8	145414.8	144717.5	124144.3	154464.2	165359.6	TRUE
133699	135125.6	88786.4	124362.2	128027.1	125447.9	180955	138064.4	TRUE
385271.9	253813.3	308627.4	349790.1	320357.9	369275.7	317872.5	357961.5	TRUE
1929471	1288381	1279435	1534621	1234505	1502825	1455710	1750642	TRUE
2196500	1844467	2441613	2957983	2444240	2258154	2261474	2486992	TRUE
600902.2	567839.4	483442.3	452852.5	421551.1	560144.3	558625.4	426269.7	TRUE
485866.3	553324.9	415209.1	382358	421028.2	431677.9	497117.5	426395.1	TRUE
361306.2	432381.9	416469	393489.2	420243.9	437514.9	457607.8	432326.9	TRUE
131746.2	117995.7	106630.5	101074.1	120889.3	129741.4	126872.9	126707.5	TRUE
365545.1	376239.6	373835.7	306032.7	314038.1	373612	425043.8	336134.9	TRUE
1172743	923915.9	1180585	1218114	1119074	1077307	1029030	1056610	TRUE
890594.7	860214.2	1034380	1026809	933164.1	911513.3	863308.2	845749.1	TRUE
353406.7	399654.9	341480.6	369176.8	365763.4	306743.7	329014	320295.9	TRUE
137217.5	125585.2	79181.6	89208.4	88152.8	85550.4	100213.1	91405.3	TRUE
287307.4	319898.1	337830.3	298483.7	301996.1	375448.6	318307.2	283318.7	TRUE
173563.3	168200.1	209458	217965.6	181453.4	210992.9	190844.1	187256.1	TRUE
189097.9	162292.8	205982.9	219986.7	219998.2	199427.9	251128.2	204774.3	TRUE
2715660	2436674	2900802	3206499	2834910	2542958	2566602	2619254	TRUE
138393.2	108019.2	106665.8	110936.9	113560.9	116525.7	97431.6	130500.9	TRUE
74575.5	84712.9	45617.5	70188.7	61923	77397.6	84218.6	99668.6	TRUE
68474.9	69683.5	45800.1	69701.6	67117.5	62233.9	61743.8	72000.5	TRUE

227115.3	235173.4	221698.4	218719.4	267867.8	226603.9	235878.9	255722.9	TRUE
488001.3	523793.3	453263.8	492228.1	437499.1	445578.2	480509.2	434540.7	TRUE
90420.9	122676.8	138404.7	153785.4	117853.8	115926.4	121307.9	109651.5	TRUE
396078	402221.3	313297.7	386596.6	390345	385201.1	392884.8	403596.5	TRUE
683318.6	712500.1	379935.2	569809.1	768780	419770.6	855714.2	717267.6	TRUE
165699.4	190230.2	169931.8	201581.8	168685.3	183515.4	184054.1	190333.7	TRUE
290099	236096.9	259536.2	265970.1	255868.3	282436.6	278026.4	254316.4	TRUE
663486	592809.4	602576.5	657269.2	539003.4	600006.5	584855.9	645578.3	TRUE
52612.5	78998.6	49658.7	40206	55008.8	40835.1	149797.7	62697.8	TRUE
19309.5	39926	21532.5	30511.2	23722.8	16325.6	44828.5	24216.4	TRUE
129435.1	104108.3	123910.2	146452.1	121205.6	119962	142449.5	145076.2	TRUE
530801.9	513526.4	512516.9	570323	454417.3	554825.6	537832.7	604768.3	TRUE
70255.3	70236.4	74498.1	73911.5	67103.7	65861.4	75002.7	71839.8	TRUE
48006.4	35613.3	72790.4	60681.6	46064.1	39653.3	44984.8	26616.6	TRUE
87255.4	110106.1	67733.3	105111.6	132745.2	82182.7	119934.8	135281.8	TRUE
83147.6	119494.8	110987.5	114075.2	74260.3	103228.9	118699.7	111023.1	TRUE
44648.2	44336.8	31396.1	31072.9	22480	29242.4	32095.6	33399.1	TRUE
186581.8	205034.8	186030.3	214805	293535.1	207706.3	232545.1	264641.1	TRUE
99116.6	94801.2	94466.8	135011.9	76195.1	103136.9	148697	140703.9	TRUE
868597.9	792647.4	994129.7	834656	766644.4	819066.6	784445.7	757639.9	TRUE
87530.3	95951.1	89052.4	83895	81279.7	89009.4	121839.3	85203	TRUE
870068.7	814616.5	750667.4	807686.5	911616.4	790509	849242.1	933931.9	TRUE
97688.4	81358.1	71628.5	59347	66622.1	80442.5	71466.8	81596.5	TRUE
124243.8	116862.5	134325.6	153568.1	183225.6	181745.1	143333.5	159949.4	TRUE
150096.9	97222.2	154426.6	164665.7	182736	149446.1	150003.3	191089.1	TRUE
115556.5	124453.9	139289	139583.4	133123	140328.2	139530.6	138452.1	TRUE
41066.8	37790	33019.3	40232.7	50811.1	37901.4	42969.4	37158.7	TRUE
154523.1	158761	194782.6	158710.1	183241.8	194060.3	168280.1	173347.8	TRUE
265237.9	228014.2	254178.7	240638	318918	271384.4	277257.4	283851.5	TRUE
659201.2	638136.1	552703.4	590224.1	646523.5	574911.2	587084.3	584059.7	TRUE
989350.3	1022840	851996.8	997544.1	970584.3	856435	1003203	1060899	TRUE
247523.2	253009.8	251093.3	276330.9	270043.5	252825.9	307071.2	288460.9	TRUE
61934.2	73286.1	46278	71775.3	73036.9	51898.7	78419.7	63130.5	TRUE
140476.9	111306	64256	68067.8	75647.9	72375.3	85881.1	74115.2	TRUE
117470.5	138747	128520.1	215523	122744.2	156155	145702.9	117194.7	TRUE
117892.8	122994.9	89621.9	269325.1	125087.3	128678.9	155111.2	99513.7	TRUE
74751.8	79588.5	74667.7	72879.9	87994.5	45971.6	65447	57117.6	TRUE
99586.7	66793	58378.5	108124.2	74200.8	86207	107204.5	98231	TRUE

281621.7	251081.9	201980.8	290278.2	275184.1	270335.2	289857.9	301493.4	TRUE
84188.5	86425.2	61161.6	93203.8	100103.1	106973.4	106510.3	126089.5	TRUE
110817.7	66534.1	62946.4	81241.6	96415.4	90171.3	108068.5	98286	TRUE
328585.9	291717.4	282612.2	367093.1	277987.9	378047.7	348118.8	374721.5	TRUE
127613.1	125072.7	97504.7	110061.5	122024.6	162145.2	157730.7	143941.5	TRUE
587617.3	610884.2	544502.8	593159.2	673609.8	566127.6	656875.3	702854	TRUE
51560.3	53433.9	38305.7	49292.1	50254.8	58576.9	39033.9	42311.8	TRUE
574532.1	630794.1	575760.9	641937.4	562685	664366.3	723673.9	630585.6	TRUE
89038.2	96852.8	75201.6	94112.6	97007.7	71141.8	71190.8	76643.7	TRUE
25347.3	31099.4	27980.5	32726.6	28663.4	25756.3	26987.6	29884	TRUE
18180.2	29189.3	25163.4	32819.2	25205.2	20889.9	33251.7	26824	TRUE
131833.7	127788.4	166233.8	152685.2	119494.8	222843.5	148768.6	133498.8	TRUE
108965.2	112116.3	117175.9	69614	95775.8	76602.3	83124.7	71284.8	TRUE
86296.8	90120.2	78384.9	54336.8	73243.1	74715.1	98216.5	94988.7	TRUE
47190	43456.8	42326.9	46980.5	47595.7	56592	44414.3	57684.3	TRUE
159217.9	146337	132902.3	163352.1	148544	144739.5	151499.7	152323.5	TRUE
171754	170674.5	134872.6	168966.1	168329.8	181916.1	206523.3	163343.3	TRUE
52739.2	40177.6	87112.4	33582.8	28675.3	112212.3	39031.3	44778.9	TRUE
55649.9	59779.4	44138.9	49707.5	52871.7	58349.5	37920.1	56185.8	TRUE
212425.2	168798.8	165742.4	157964.9	167506.4	191869.5	151969.9	187731.2	TRUE
114401.2	92015.2	120270.3	91410.4	102289.7	127529.2	89784.3	104153.5	TRUE
361930.1	246780	351023.7	313821.1	249868.1	429210.3	265819.6	241490.3	TRUE
73930.1	69408.3	58022.4	62456.8	78870.3	73118.1	81860.9	65207.6	TRUE
229995.9	222695.3	221826.4	251122.8	196170.3	237293.1	304164.8	206292.9	TRUE
97245.2	99514.2	93728.5	78526.6	72916.5	88127.9	101813.5	87388.7	TRUE
122163.9	129435.8	136103.6	153684.9	148277.7	136956.7	156160.3	136662.9	TRUE
146403.5	159441	110119.1	138500.8	138034.1	129716.8	166659.4	166321.8	TRUE
65495.7	67989.3	56471.5	45472.4	59308.5	64143	68192.2	47289.4	TRUE
70051.6	46005.8	35165.8	56404.8	47198.6	63155.6	73340.8	62332.3	TRUE
86637.4	51286.6	66024.7	110635.2	78944.9	92131	80337.7	100419	TRUE
389930.1	410950.5	173003.8	327786	437319.6	305560	560946.5	647281.5	TRUE
382058.7	417899.2	395342.7	379725.8	416819.1	407716.9	491767.3	369737.9	TRUE
404047	408475.6	368976.7	340818.2	405913.9	394815.3	436647.7	355733.7	TRUE
28251.5	29072.9	21063.4	32077.4	23017.2	26426.3	30190.5	25733.2	TRUE
160812.5	150242	174621.1	200947.7	154172.9	167040	174785.3	170255	TRUE
34909.9	41128.4	30742	37666.1	31875.5	32037.6	39256.5	39338.6	TRUE
120551.6	129479.1	117308.4	115123.4	130628	103394.6	152599.3	123396.4	TRUE
294599	256115.7	248260.3	241749.8	254699.7	284479.5	323650	274451.6	TRUE
357907.2	335096.7	283976.4	275089.6	258232.4	283170.8	368913.2	293407.8	TRUE
294291.1	270627.4	324077.6	345887.8	358475.8	265305	249262.8	254774.8	TRUE
315575.3	300507.7	387614.7	355985.7	334935.1	287954.9	297147.8	290113.1	TRUE
42043.3	54510.9	49398.5	54266.4	49113.4	58273.6	62166.1	53531	TRUE
165824.3	178410.4	100711.6	95206.5	88636.3	97443.1	127862.7	110282.5	TRUE
381201.3	357892.7	357959.3	303937	555974.9	382330.1	354242.9	558148.4	TRUE

320117.3	346899.2	339085.7	273721.9	307848.7	314619.8	376857.3	329518.9	TRUE
100673.1	110028.7	93693.4	101590	97917.7	106139.5	115177.6	107195.8	TRUE
49964.7	53496.7	52704.9	29660.6	47434.6	59859.1	51627.5	55425.7	TRUE
89606.6	81362.8	34000.8	65666.6	52261	48767.9	115035.4	106022.5	TRUE
24275.1	54836.6	26319.3	21041.6	33299.7	18071	33807.9	13221.4	TRUE
22014.3	20438.8	16226.4	26683.6	23695.3	18898.5	32137.3	23118.8	TRUE
21077.2	25230.9	31582.5	25595.2	24826.8	14191.1	26792.6	16115.7	TRUE
11131	12697.5	7841.3	12048.9	22333.7	9761.8	10253.5	12385.7	TRUE
7577.9	7758.4	17795	13359.3	12410.1	10429	10555.9	24249.2	TRUE
6778.2	5265.3	6983.3	6234.5	8418.8	4260.6	7150.1	7089.9	TRUE
270155.3	241545.4	219619.3	241722.2	213534.2	240348.8	234667.3	218831.1	TRUE
65416.8	52663.1	30581.8	54339.4	47351.1	49234.2	65613.7	57648.5	TRUE
1216333	1086528	1317024	1358926	1173261	1074059	1052359	1045732	TRUE
80087.7	78236.7	59424.9	59792	62497.4	41691.3	70092.7	65813.2	TRUE
113050.2	114521.8	83182	107650	81783.5	67885.1	105226.4	116765.3	TRUE
45283.2	39324.6	54062.8	37880.7	48283.9	39465.2	44911	46334.1	TRUE
43026.1	38127.4	27626.8	43072.8	42605.1	36911.7	41677.8	52742.9	TRUE
160673.7	123271.5	119510.7	178581.5	176456.3	186845.2	206026.5	156451.5	TRUE
121860.5	80628	88171.1	75364	93248.3	108754.8	90195.5	144124	TRUE
291155.8	242903.1	255478.2	393522.4	298815.2	361037.5	331031	317715.9	TRUE
332698.4	301057.8	301235.6	422179.9	365608.9	437636.9	337067.8	420903.5	TRUE
709548.3	757952.7	608160.9	761676	722329.9	621737.9	751550.6	793530.1	TRUE
94635.6	121568	76236.7	94608.7	88489.7	84507.7	98807.7	130271.3	TRUE
374329.8	465865	261740	302498.2	338713.4	262442.9	340290.8	310553	TRUE
282539.1	277588.1	226592.9	303988.2	275400.1	225835.7	321417.9	315867.9	TRUE
191545	175635.9	155883	184374.8	204152	154889.9	196821.8	167296	TRUE
96816.1	99349.6	76941.7	95398.8	104140.4	63346.5	110043.2	92984.6	TRUE
821785.6	1117761	458472.3	1004576	1074275	541941.2	1020331	1107773	TRUE
40831.3	30143.7	46687.6	57743.3	19418.2	34884.7	48910	36651.7	TRUE
184155.5	201440.4	217718.8	198110.6	178930.2	200076.8	189010.6	196279	TRUE
68565.1	107582.4	61617	127935	101469.3	48096.2	32132.6	35762.2	TRUE
627984.8	611290.1	444349	597114.1	563073.1	497063	606644.1	585776.2	TRUE
251084	239965.7	202605.1	239894	239573.8	202163	269170	249189.9	TRUE
44649.3	42929.7	44161.2	48445.1	41176.1	57146.2	55012.6	44618.3	TRUE
481838.4	419549.9	455823.5	554637.2	397036.8	464071.2	459703.9	530529.2	TRUE
37901.1	43965.4	19254.9	14294.9	24164.4	6348.1	32434.5	34426.9	TRUE
103008.2	110889.3	98550.8	108963.2	137525	78402.6	119072.8	148431.5	TRUE
236052	249445.3	204308.2	247917.5	266470.7	167435.9	262002.6	268907	TRUE

220184.9	261107.1	292693.2	292583.5	155631.4	247818.7	304160.3	215750.3	TRUE
231734	169109.6	92354	110597.3	105905	156420.7	154161.4	127381.6	TRUE
151977.2	108419.5	104811.8	168399.9	103744.4	168060.6	182570.1	163894.3	TRUE
6709903	7256895	6151509	7538817	8866428	6254321	7328337	9253980	TRUE
8759937	10533701	9951132	9716145	8035478	9456874	10832163	9687886	TRUE
94264.2	126840.1	120168.7	102390	99166.6	130379.3	124168.3	118212.4	TRUE
87928.2	93769.3	61370.8	97496.8	87183.9	55281	72907.6	85796.1	TRUE
84900.1	91647.8	120834.1	96747.9	96615.5	99708.1	107044	91340.4	TRUE
72451.9	79984.7	74780.2	94613	84560.8	65507.5	75882	75974	TRUE
388185	407659.1	264268.3	326332	297015.4	254827.3	320152.8	353347.3	TRUE
347684.4	330365.5	269048.6	373756.1	329627	293997.5	341849.2	343318.4	TRUE
182399.3	182980.4	175815.2	177510.8	186781.1	188301.6	167346	185374.5	TRUE
139726.9	126886.3	153310.5	136631.7	103413	130260	138249.1	130091.5	TRUE
120925.4	104378.3	91199.2	117966.3	126752.5	91203.1	111327.7	112609.7	TRUE
500568	432912	413052.4	485953.3	406082.3	512189.2	422987	454047	TRUE
239093.6	196058.1	288065.6	297017	222767.9	288809.6	242945.3	277867.9	TRUE
730598.1	621860	760557	811209.9	700155.2	656726.1	639658.4	702056.1	TRUE
31084.3	33280.5	9083.1	34470.9	28172.7	25368.8	45017.8	31062.6	TRUE
27192.5	104883.9	48827.1	86807	150052	16509.7	36489.1	29962.4	TRUE
193063.7	291882	135038.3	244102.6	354047.4	141844.5	256869	318278	TRUE
188866.8	192140.5	165467.5	179711.6	137294.3	212637.3	243806.4	286197.9	TRUE
1801155	2985442	2287701	2893617	1609624	2152913	2954872	2264833	TRUE
678042	734846.9	484967	652321.7	798628.3	492808.7	738347.7	784851.4	TRUE
58795.9	78025.9	79990.2	83117.9	90295.9	68451	52062.8	58069.4	TRUE
100703.7	93913.4	89408.5	74532.6	90279.5	110248.9	112591.5	88023.9	TRUE
78360.3	139884.9	130076.1	147086.5	163872.4	91252	53463.4	77104.7	TRUE
125704.7	91839.5	103042.3	92931.6	134331.7	133068	105836.4	142191.4	TRUE
201085.7	166654.2	161179.9	191179.2	181037.1	188023.8	198811.3	203926.2	TRUE
97896.8	60226.6	74160.4	79971.7	81892.3	81405.8	86429.1	77688.4	TRUE
17965.2	11247.3	28842.8	27400.7	23553.1	21146.6	10763.5	27176.7	TRUE
23351.4	22489.2	20495.5	29463.7	32849.3	25025.2	30791.3	43142.9	TRUE
34438.9	28272.9	9470.2	31761.2	34330.4	17611	39177.4	39769.8	TRUE
136755.4	125476.8	120847.2	138850.4	148144.4	112253.9	152881.3	160172.3	TRUE
78495.6	78997.4	63072.9	52333.4	78058.7	99301.9	108485.2	87760.5	TRUE
223287.1	333532.9	254837.4	368427.3	291551.6	203300.9	283011	205171.3	TRUE
31532.6	34526.7	29483.6	25541.3	34963.6	41200.5	33091.8	37822.1	TRUE
29264.5	20338	28142.7	19988.1	30991.5	34461.6	22733.9	25169.8	TRUE
381575.7	391488.3	326417.6	286663.7	321909	237287.9	304366.8	343918	TRUE
50320.8	103136.2	48278.3	76283.8	96674	44435.1	37536.8	48106.5	TRUE
1404616	1236114	1517573	1516244	1217959	1406987	1452753	1388074	TRUE

51353.5	39259	47316.8	77078.9	75477.2	67964.1	72785.8	77706.3	TRUE
59419.2	68559.7	52078.2	87091.6	58817.9	64841.2	71020	68863.3	TRUE
111090.7	87032.2	103978.4	101881.6	76570.2	110779.5	103339.2	103071.7	TRUE
548608.1	607286.9	566753.6	515913.2	400177	570799.2	614955	407994	TRUE
2928298	3060823	2936782	2561026	2545328	3064138	3443072	2581521	TRUE
535769	504254.7	464048.2	494077.5	469990	519085.3	580012.5	547099.6	TRUE
135688.8	165005.4	135269.6	147956.5	151513.4	170418.9	183521.5	141725.1	TRUE
203455.7	268166.8	249906.6	239449.1	224986.2	216916	241665.3	196253.3	TRUE
196927.3	156631.8	281821.2	262520.3	179327.6	178750.9	165863.3	167638.9	TRUE
872309.2	691622.5	956182.6	943992.7	887501.1	759905.4	724045.5	809254.3	TRUE
316969.7	235315.6	338731	337542.4	328797.5	275009.2	250768.7	309058.1	TRUE
243120.9	260179	224207	237136.2	229776.4	245107.8	243385.6	215241.7	TRUE
47339.5	43214.9	37855.6	40734.4	39604.8	40389.3	46373	45185.4	TRUE
42918.8	39410.4	32392.1	36630.7	37196.6	33825	47099.2	32591.7	TRUE
51689.7	55597.5	70538.6	57049.6	53204.8	78116	76106	66748	TRUE
41117.3	78626.7	61445.5	85939.3	66068.6	30398.9	31153	30907.1	TRUE
427544.6	414562.3	384751.9	403813.3	353320.6	427489.9	451071.5	336779.6	TRUE
562319.3	456086.8	667907.5	628130.2	533610.5	580152.1	496209.5	571775.8	TRUE
831444.8	640192	938999.9	928656.5	804221.4	770693	618162.8	817400.1	TRUE
144387	139584.9	113078.9	140448.2	118359.1	150731.8	150418.2	110600.9	TRUE
217665.7	209917.7	212088.5	201398	169649.8	211192.4	244144.5	189403.7	TRUE
84333.4	80232.8	69472	79663.4	67004.9	97857.8	94639.9	88400.5	TRUE
54390.4	38933	48658.4	53340.2	47510.4	54018.7	56390.6	51718.5	TRUE
549653.9	590617.8	552775.8	555823.1	455657.4	599471.7	594960.8	478304.7	TRUE
309821.3	335286.1	307081.1	300557.2	263878.1	337672	350095.3	268094.6	TRUE
910796.1	607551.1	955910.3	844901.4	959184.4	785575.3	632293.6	851185.1	TRUE
1902235	1223834	2016737	1984642	1983541	1714775	1306725	1733058	TRUE
170192.2	101318.4	204758.9	221269.6	199790.2	176394.6	146382	173716.5	TRUE
117843.3	95491.9	118037.4	147648.6	117912.2	105801.9	109320.8	114645	TRUE
36940.7	52823.9	71145.3	32889	39195.5	50415.9	57202.8	47904.2	TRUE
1651401	2085725	1606269	1557809	1453813	1713931	2113204	1580571	TRUE
36741.2	33404.4	29602.5	39436	29282.6	47751.1	63015.8	40794	TRUE
9592.3	10878.2	7204.4	10180.8	9062	5572.5	7182.7	8802.1	TRUE
113610.1	75896.7	106906.2	141745	108523.4	103661.2	76111.1	84257.7	TRUE
48897.9	27842	44642.3	48276.6	45018.9	47566.9	36866.9	51260.3	TRUE
31414	20191.8	29918.4	10412.4	28282.4	26692.5	21478.3	28432.2	TRUE
64833.4	45801.1	41882.6	68752.2	41835.8	57744.8	48268.4	66535.9	TRUE
58577.5	57587	62862.2	82564.1	62360.7	52047.9	72111.8	40479.5	TRUE
38570	25488.8	22807.5	28781.7	22769.4	51974.3	38943.8	38409.5	TRUE
449616.9	365236.3	317152.6	360948.5	303145	543156.2	520999.9	416370.6	TRUE
672853.9	424165	620362.8	777768.5	764061.6	753093.2	561440.2	652934.6	TRUE
75836.1	49791.6	59978.3	77728.7	74908.1	91307.6	77594	76090.7	TRUE

116667.7	106996.2	116767.8	105251.4	104175.8	113001	105797.2	97909	TRUE
83631.3	87119.1	74933.9	85030.2	65995.8	89453.1	75907.1	77957.5	TRUE
55639.9	69805.7	73498.4	57641.4	59862.6	73573.3	78019	56247.2	TRUE
1198552	841307.6	1381934	1359917	1120467	1115766	915004.1	1089200	TRUE
272332.2	282795.4	262348.3	269004.2	215123.2	289214.6	279196.1	217405.5	TRUE
239669.5	192631.4	208997.4	173334.5	155371.1	214387.1	235657.3	172214.5	TRUE
133451.5	145786.1	88973.5	72691.8	83978.6	97911.8	76490.8	57956.7	TRUE
90803.6	79201.3	70012.6	80484.9	67849.3	60779	94876.2	69964.2	TRUE
186275.1	222571.9	225720.7	206394.6	175997.7	199882.8	198902.9	153077.4	TRUE
94487.4	79995	91198.4	67965.5	76928	90124.8	101066.1	78089.7	TRUE
97144.5	128263	105240.7	117030.8	101979.8	93822.8	144058.5	77196.8	TRUE
83264.9	111639.8	110464.7	83107.2	95445.4	73747.3	80030.3	76314.1	TRUE
115034.1	117649.3	90125.8	84032	82711.2	58121	68588.3	57600.5	TRUE
250594.1	246651.5	258764.8	287832.2	286711.2	247010.7	253020.4	258617.5	TRUE
532697.7	528791.2	455617	495062	437678.4	480164.1	562092.8	428368.8	TRUE
258848.1	192743.1	254026.5	265304.5	219255.3	262355.6	193081.3	266445.1	TRUE
1013594	1134879	918867.6	990325.3	883641.9	1000135	1280256	862947.1	TRUE
3240855	2488708	4067355	3897869	2762846	2988310	2660608	2803663	TRUE
1454895	1049157	1714781	1745405	1244571	1351418	1160732	1341833	TRUE
41295.1	47151.1	39261.7	35056.2	46272.4	31299.8	28095.2	36402.6	TRUE
38205.7	46212.7	35168.3	31497.5	32706.3	30203.8	34683.8	58215.9	TRUE
38308.9	28147	36534.1	29909.2	39538.1	67643.9	49149.7	50085.5	TRUE
38395.9	27497.5	34742	30926.9	28866.1	46454.9	52156.7	30850.1	TRUE
561127.6	448576.6	362893	387182	375008.5	378923.2	314453	411886.8	TRUE
831851	596324	519962.9	565799.2	606717.9	555801.1	507105.9	632072.2	TRUE
1531106	980987.3	1663746	1917861	1921411	1729513	1531339	1904876	TRUE
32408.4	68391	35276.5	63738.2	81115.8	27638.8	31492.3	24460.1	TRUE
2100354	1951611	1845315	1786662	2034434	2415664	2302200	2318914	TRUE
2387910	2364319	1950955	2122892	2182717	2738549	2503549	2773658	TRUE
37657.3	95149.1	64415.9	85440.8	98814.1	31633.1	14851.6	15894.1	TRUE
552522.9	365961	569220	661991.5	527756.8	589722	441258.7	511951	TRUE
177831.5	194074.8	111675.4	231683.4	219387.4	113620.8	209158.7	263017.2	TRUE
67335	63750.5	72417	85911.2	90666.1	56454.6	72773.4	92411.5	TRUE
23837	20135.1	22035.4	36991.6	33370.9	24850	27619.7	33249.2	TRUE
45182.4	33254.1	38723.9	35027	50800.3	59307.6	43894.3	53727.8	TRUE
100990.1	40451.8	58250.1	66300.5	121844.4	128510.7	78418	139584.6	TRUE
324590.4	286854.5	261889.3	339993.9	311993.6	306388.5	286823.2	311636.9	TRUE
474454	479136.4	430648.1	442733.8	427036.5	539914.8	482435.3	521315.6	TRUE
87492.8	41430.6	61262.6	52305.5	31448.1	93874.2	51971	45814.6	TRUE
29278.7	26847.3	12054.9	29764.8	45854.8	11058.9	33788.3	47551.3	TRUE
34590.1	24916.6	21970.8	31637.8	39318.6	38820.2	28602.8	29150.3	TRUE

82901.5	45442.7	48192.3	72556.2	62932.1	86124.7	69061.9	78631.7	TRUE
38431	37671.5	30733.9	59836.2	33734.9	58897.8	38808.6	32728.2	TRUE
91669.4	71436.7	54993.9	85539.6	87874.7	112649.9	72029.8	114800.5	TRUE
25568.1	24093.8	26820.5	13038.8	22611.5	33813	43652.3	17836	TRUE
223703	188918.9	185143.9	259701	224884.7	208570	210949.9	220396.1	TRUE
126531.5	151099.5	136019.2	124354.6	136701.8	161557.6	138258.2	149966.3	TRUE
184732.4	172045.3	145643.3	134162.8	182042.6	228544.2	217235.7	238040.5	TRUE
152083.8	114657.4	136634.6	174169.1	126179.4	215388.9	106511.6	126118	TRUE
95660.1	96999	86393.8	93865.1	95170.7	111538.5	88216.9	107583.8	TRUE
80194.8	64610	61340.2	53145.3	67520.7	78954.4	54082.1	55414.9	TRUE
222422.4	197546.1	231710.9	247655	262785.9	253115.9	209365	290939.4	TRUE
70662.6	67386.2	89778.5	100305.1	85093.1	107801.3	66246.2	83111.3	TRUE
74323.7	95976.3	84244.5	87716.7	85398.9	90784	92345.6	84039	TRUE
96584.3	102117	93345.6	121631.2	93155.9	113459.6	91794.4	100124.4	TRUE
456845.5	346905.7	480603.3	516774.4	467854.5	455735.8	383002.6	506392.9	TRUE
440101.1	926181.4	2994089	203668.1	351727.3	498485.7	458383.7	475446.2	TRUE
30558.7	26697.5	37029.9	36639.1	33176	39733.3	27905.2	27775	TRUE
190697.7	113595.3	201748.1	214052.6	204525.8	230099.2	149567.7	205485.1	TRUE
168180.9	184224.3	151426.2	164883.6	164648.4	207248.8	194245.4	224770.5	TRUE
195109.9	158641.1	141523.3	215191.5	188073.6	155061.3	153685	170416.7	TRUE
35820.9	21844.4	22297.3	29998.4	27528.2	30284.5	28607.5	38177.3	TRUE
46225.9	30625.3	47818.6	51835.7	58324.7	39922	31519.6	40610.1	TRUE
78151.1	73823.9	75014.4	75604.7	79789.9	66595.2	52178.4	61962.6	TRUE
504648.4	413144.9	485531.4	562428.2	395041.1	532455.1	422392.9	407570.5	TRUE
324390.8	303546.2	273249.5	293438.6	243232.7	258046.2	318138.1	239689.8	TRUE
252817.5	272656.5	232240.1	252567.8	233235.7	243330.3	255129.5	249127.2	TRUE
464469.2	312316.3	508362	511558.5	455619.3	457353.2	425038.5	431016.7	TRUE
35982.2	29826.8	33832.2	35864.3	34952.3	21645	30616	42003.9	TRUE
102491.8	105530.5	100707.2	105339.8	85966.8	107922.5	87427.7	106393.9	TRUE
112479.6	123415	97076.8	97635.4	75796.6	88459.1	135267.9	94538	TRUE
36238.7	50545.5	42505.3	13587.5	10289.4	32295.7	39459.2	22285.6	TRUE
126000.7	155068.8	149096.3	137307.2	130335.8	162797.2	175614.6	132674.9	TRUE
129242	141276.4	122526.3	148824.8	121143.2	140149.6	156650.3	124818.9	TRUE
170838.2	183691	175887.9	195082.5	158866.2	189149.9	204381.3	155844.7	TRUE
147175.1	157903.7	154353	160840	109514.6	171922.7	145603.5	121832.5	TRUE
238677.1	201701	192799.4	237285.5	194255.1	191985.1	242121.4	188719	TRUE
287703.3	264324.2	251700.9	242475.6	221784.9	244818.3	283959.7	194905.5	TRUE
773327	574469.9	668290.7	725494.5	748369.7	762347.9	542555.2	766090.9	TRUE
94506.9	76180.4	108821.4	82411.7	69154.5	102614.7	79326	65243.4	TRUE
208137.9	210036.6	188624	207140.8	193622.6	208200.9	225390.1	190290.4	TRUE
88714.4	113268	47272.2	75752.3	80861.1	45452.6	95289.8	88819.8	TRUE
91276.8	88455	72313.6	62644.3	56631.5	72484.5	87583.1	51118.2	TRUE

73017.9	113218.5	117590.2	127292	125935.4	93642.5	87785.5	84367.4	TRUE
264435	241461.9	240912.4	290709.2	281956.1	297419.3	263329.5	326312.1	TRUE
572016.8	1496075	989464.9	2308936	749213.7	585659.3	545379	584872.5	TRUE
141010	164314.5	134773.2	160266.9	137757.5	141036	176711.8	154497.6	TRUE
764063.7	743653.2	691346.6	828209	760534.3	734785.7	857804.8	789443.2	TRUE
441256.6	458827.7	391114.1	495977.8	443663.6	419956.2	502278.3	426328.6	TRUE
493995.2	445726.6	539650.2	530090.1	516673.4	501372	519508	554283.4	TRUE
4765.4	7267.1	14826.3	4592.6	7707.7	7417.7	9094.6	5550.2	TRUE
77009.5	113079.3	70518.1	122911	97595.5	119160	123807.5	127047.9	TRUE
46490.7	41895.6	64400	71556.6	45079.6	40916.7	47064.6	49540.3	TRUE
128425.8	123971.4	138769.2	144222.8	110826.6	184832.5	140562.6	148079.9	TRUE
150652.6	158003.7	165452.1	172893.7	179176.7	167711.2	180608.2	164290.8	TRUE
41113.7	42568.2	33298	42243.6	39142.1	39545.4	52699.2	45195.8	TRUE
13059.1	20406.1	11354.4	11021.6	17383.7	20275.9	22492.8	23738.6	TRUE
284142.3	211425.1	282508.8	302628.9	275478.8	343858.1	187012.5	264920.9	TRUE
647885.6	570401.1	608963.7	645913.5	627629.3	673716.6	525306.1	615048.4	TRUE
100796.5	104671.3	83083.2	78552	69860	89166.9	112365.9	99498.1	TRUE
76168.4	53267.9	61511.7	69898.7	70256.6	57463	64708.8	63792.1	TRUE
535269.6	500546.2	513064.9	578028.8	428757.2	530818.8	447884.6	474646.7	TRUE
349752.7	293383.5	361026.4	326520.1	284483.7	328513.7	275333	326858.6	TRUE
276666.1	211749.6	331217.7	344927.3	268403.2	339785.1	266333.6	319054	TRUE
181339.2	165424.2	154099.5	129796.3	134106.1	141163.2	174853.5	123555	TRUE
153167.9	156572.5	148462.7	150657.4	163632.9	153584.6	158575.4	156204.6	TRUE
155739.4	107026	137926.4	167479.8	118846.9	159079.2	140203.2	159177.4	TRUE
92960	79834.4	75644	89238.4	112694.1	83366.5	94092	92181.4	TRUE
135798.9	167203.9	142888.5	162551.5	121840.9	161975.9	190364.1	155872.8	TRUE
38828.5	46830.5	43882.3	37393.2	57406.3	36895.4	46596.9	48988.5	TRUE
254259.8	253724.9	196336.3	256984.4	273210.5	177371	290078.4	275542.4	TRUE
79081	82320.7	92011.2	79062.1	97162.8	98300.9	111415.6	93249.5	TRUE
143079.4	116284.3	126052.7	130571.5	99897.5	113861.1	114567.3	117938.2	TRUE
466959.4	416368.7	501397.3	497783.6	469567.7	458742.6	436941.4	481722.1	TRUE
479464.3	445257.3	490297.5	485996.6	438026.4	458773.1	424150.7	448299.5	TRUE
592579.9	521914.4	389241.9	439994	598298.2	400508.3	540247.9	654017.5	TRUE
1062116	989327.9	1070267	1193378	961067.9	1090054	1094196	1052226	TRUE
126306.8	125737.2	76477.9	122115	134577.9	136355.8	147520.7	175537.9	TRUE
289626.8	265603.2	281187.2	231549.3	255002.9	286390.1	255517.4	257190.1	TRUE
288615.8	549613.6	386448.7	720381.5	435714.1	363594.4	297393.2	340930.2	TRUE
365024.7	449850.7	331254.5	364187.9	359429.9	345181.7	425998	348434	TRUE
208272.4	227940.5	230424.8	314054.7	204034.8	205725.8	208247.2	227559.6	TRUE
468579.5	497565.3	596300.1	591144.2	503840.6	587518.4	528441.7	569643.3	TRUE
535766.4	564065.6	461901.5	493288.2	511223.9	469658.2	585716.9	478962.7	TRUE
400650.9	383937.5	371875.3	401106.8	398744.7	369108.5	436004.2	365501	TRUE

1785824	1673886	1840472	1953807	1574816	1769143	1889028	1840361	TRUE
1869038	1599435	1910124	1973918	1598119	1728216	1863280	1890572	TRUE
20580.7	18599.8	15773.5	20838.9	18415.7	18628.3	11339.5	14880.5	TRUE
547959.4	452190.5	487626.3	467438.8	545395.9	450166.2	524490.9	518955.2	TRUE
248815.2	259099.5	123070.9	288990.4	255270.5	190186.8	338208.6	332292.4	TRUE
33362.4	54099.5	18388.1	56360.1	47161.3	31708.2	66633.7	62625	TRUE
136246.7	132846.2	127980.6	157950.4	113965.5	173848.6	182338	191210.8	TRUE
369174.3	448423.5	287051.5	328843	425602.1	294256.6	479190.4	391375.7	TRUE
124346.6	121515.4	136815	115491.4	136511.6	130784.5	134224.9	141103.7	TRUE
200322.4	211181.8	226699.9	175133.7	281529.2	217678.8	230706	253418.7	TRUE
201089	212019.9	224789.7	187833	257984.2	213282.3	256809.8	243368.1	TRUE
96473.6	108957.9	135980.5	161622.3	103386.5	103594.6	147975.2	112093.7	TRUE
65519.8	77958.4	96254.9	79098.8	80900.6	64106.6	92654.1	55622.7	TRUE
2282822	2463294	1736253	2230464	2239171	1953853	2684732	2349065	TRUE
78607.8	54074.9	79904.8	75277.3	74818.3	75557.1	91520.9	84529.1	TRUE
716217.8	632429.3	689849.8	833688.5	660213.2	734832	649311	724239.6	TRUE
701304.8	630959.1	791279.7	859375.6	650891.2	695000.8	635836.5	668750.2	TRUE
91662.1	102591.5	72572	87360.6	110993.4	93057.9	112476.3	103167.6	TRUE
100146.7	96554.5	77281.8	90999.9	98321.2	91380.3	115137.4	105553.7	TRUE
165120.6	127846	185945.6	186333.6	123364.7	139740	154427.6	134693.1	TRUE
461945.5	447383.6	502182.7	472073.5	434231.7	462028.6	502282.1	511546.9	TRUE
66696.3	53307.9	58699.4	43736.6	92801.9	51677.5	72495.9	83235.2	TRUE
45034.3	65846.2	45450.1	39510.4	64684.9	59196.3	73127.2	68776.3	TRUE
34729.5	38378.6	38946.3	24104.1	37339.4	29684.1	35467.9	20525.8	TRUE
332216.6	319834.4	291621.7	294348.1	311140.3	321409.6	359568.3	328929.6	TRUE
151647.8	182829.3	169065.5	202652.5	179948.5	151685.2	190619.9	166258.8	TRUE
215045	168104	482653.6	156228	153106.2	423501.3	193161.7	151692.9	TRUE
268586.9	241182.4	220619.1	224247.7	487393.7	252339.9	228843.9	237505.3	TRUE
313098.4	317801.2	476321.4	295206.1	251906.3	477698.6	303045.8	264118.8	TRUE
241159.4	173468.8	679191	154568.4	106665.3	716245.5	201207	102905.9	TRUE
161587.6	76644.7	160045.6	135642.3	293817.4	149513.9	93641.1	129961.4	TRUE
60734	43675.7	130372.5	50008.5	33116.3	137840.3	48862.9	36077.3	TRUE
40507.5	25238.4	109705.5	24520.7	18885.8	105138.5	38046.3	22678.2	TRUE
179775	124871.2	217474.1	121919.1	110753.6	240044.4	126155.9	144789.5	TRUE
138430.2	85718.5	164696.1	102913.4	83453.7	162505.6	93410.3	112381.9	TRUE
37884.8	25739.2	56230.7	20953.6	21826.9	130714.3	33099.9	30777.3	TRUE
145017.2	85063	178295.1	105177.1	59954.8	330633.8	115812.4	109338.4	TRUE
156237.6	97214.9	174227.4	73573.7	78420.7	318408.1	107612.9	109835.4	TRUE
273005.6	114410.2	179259.3	202679.4	610952.7	201223.7	149209	261316.5	TRUE
158549	80419.8	88538.9	101828.6	400147.8	95290.6	84507	117532.4	TRUE
176589	114445.8	241693.4	108190.2	107452.7	297778	148036	127607.7	TRUE
51150.3	29562	80722	38946.1	25569	145092.9	42914.8	29538	TRUE
158350.2	126953.5	157177.1	141779.9	102512.7	235841.2	175280	145241.5	TRUE
65332.5	37470.7	50107	44433	67098.2	54992	61168.5	61396.4	TRUE
136561.9	113248.7	250519.9	103343.8	78059.2	278672.9	108127.2	88733	TRUE
138081.2	240129.4	279514	103182.9	125999.7	161505.1	109743.3	94330.9	TRUE
152188.7	100607.1	190609	126586.3	99452.8	193850.3	107898.3	121705.2	TRUE

75808.7	85410.9	113919.9	102226.6	79600.3	115328.9	108525.6	71897.2	TRUE
211129.8	145722.4	207314.8	188179.2	331305.7	183749.9	174916.5	192730.3	TRUE
235297.5	149741	220591.1	191775.2	374213.3	213883.4	184031.3	194954.3	TRUE
24598.9	6331.9	58443.4	10261.5	9260.9	67357.9	10336.8	10821.7	TRUE
92068.6	60846	172098.6	58171.9	49889.7	192258.9	67084.8	70620.1	TRUE
197727.6	175282.7	335068.2	155811.2	119567.9	343360.2	208289	144298.3	TRUE
62745.8	72142.9	77480.6	54177.3	41620.3	81122.3	48310.9	67715.2	TRUE
135439.8	86782.1	103403.2	120635.4	183935.7	85833.9	100890.8	101208.8	TRUE
86494.6	68362.7	175956.4	82256.2	55838.5	182831.3	88019	80239.3	TRUE
289843.1	241689.7	562795.9	244281.1	207055.8	576725.3	255713.5	187120.6	TRUE
43310	28112.9	55695.6	44016.5	14438.4	102409.3	34851.6	16201.6	TRUE
88003.9	26709.1	65062.5	52107.8	202903.2	62633.3	53266	86122.7	TRUE
24025.8	19534.9	39611.2	24311.8	8857.4	59133.7	9191.1	12010.1	TRUE
87982.4	78494.4	112045.8	99081.4	74487.6	130258.3	100002.3	91320.6	TRUE
55463.2	62403.8	94606.9	47841.5	54823.4	97850.3	60517.4	60078.8	TRUE
27564	7346.5	31734.8	8513.7	13203.7	37595.5	20954.4	20452.9	TRUE
1293835	911454	2697685	883405.3	608164.9	3012969	957430.1	735842.2	TRUE
859692.8	509379.9	595374.7	620495.8	2003298	630660.1	546032.6	733264.9	TRUE
34708.9	31015.7	73775.8	25642.8	11906.2	82575	32463.9	23690.2	TRUE
91294.8	83430.8	242109.5	53727	50346.7	253705.7	77025.7	48449.8	TRUE
28291.1	5673.3	22075.9	27085.7	8156.7	31808.4	13244	9001.5	TRUE
55464.3	63910.5	55467.5	54224.8	55034.6	50961	75925.1	40281.4	TRUE
71607.6	54384	54884	49634.2	46608.5	78131.9	60918.8	44578.1	TRUE
266250.6	352678	234177.7	290113.8	291948.6	261329.8	353345.7	297508.5	TRUE
435959.6	501223.5	557369.2	483309	408061.7	418352.5	519783.8	472713	TRUE
42178.5	36081.4	53641.4	57294.4	49787.4	38353.4	44346.6	33541.2	TRUE
220003	196312.1	263423.4	280290.2	284987.4	236531.2	199808.7	222463.3	TRUE
167387.7	175901.1	233858.8	174274.5	155079.1	287982.7	195611.5	146331.2	TRUE
335513.4	288622.4	366569.3	407607.2	343404	365987.5	320712.2	344819.1	TRUE
68633.3	46723	58781.3	41795.9	46947.3	79370.7	62787	48585.5	TRUE
347494.7	293074.5	320463.4	369706.9	377813.5	320086	334560.3	327692.3	TRUE
148753	120011.6	121533.4	112395.7	121569.9	168894.7	146988.2	192893.3	TRUE
264626.9	240420	288145.1	288787	374371.1	297331.1	226447.3	292174.3	TRUE
143061.8	173653.1	176641.7	148604.8	122273.5	178620.3	143075.3	130848.1	TRUE
272975.6	193019.1	298620.5	259536.5	331520.1	326885.8	207793.5	290936.9	TRUE
882525.5	759817.2	839619	830212.6	949316.8	903539.4	753588.1	857880.5	TRUE
190154.5	191059.8	196696.7	180309.5	163851.1	170838.7	184191.4	175386.7	TRUE
567896.8	505672	537899.8	649557.4	699292.5	538023.5	493502.8	578397.4	TRUE
102030.9	96235.2	71028.9	94702.9	84075.2	103591.4	95068	106633.5	TRUE
52592.1	30573.2	41228.6	41600.2	40008.3	51876.5	52104.9	35807.8	TRUE
82134.5	88625.6	90025.8	122060.2	89173.6	103077.2	117995	102539.7	TRUE
229595.2	182492.2	213434.8	236452.5	272503.6	255900.8	243187	253750.9	TRUE

121114.5	123919	128019.5	149650.3	136083.3	138016.7	129856.9	102253.7	TRUE
207836.2	170599.5	239195.4	215523.4	261388.6	184789.1	182871	232358.6	TRUE
37552.8	37531.1	58180.5	45529.9	37685	41899.5	39614.7	42947.7	TRUE
24705.3	10734.1	33713.7	28514.1	29741.2	38117.7	34241.2	24342.4	TRUE
48420.5	59958.5	76984.4	47366.8	65378.5	56447.2	53693.4	46799.3	TRUE
311343.1	254970.8	307814.7	361900.1	403044.2	320717.1	266087.6	315762	TRUE
502224.3	628305.4	532092.7	524665.3	475198.2	526720.2	559119.3	447734.9	TRUE
65532.3	49680.8	64524.5	71687	64066.8	92035.6	83872.2	65753.8	TRUE
72293.6	72103.6	58219	63404.6	91514.2	76364.3	56384	69360.2	TRUE
84358.2	94330.4	119686.5	107548.9	89252.4	95972.5	85016.4	102073.9	TRUE
75284.4	91164.8	96110.3	93764	92539	83009.9	93138.3	102910.6	TRUE
96324.3	66104.2	58330.3	86304.8	81856.4	91033.8	89447.5	106214	TRUE
151955.8	146722.6	128946	138577.3	113907.1	111486.5	118883.6	156051.1	TRUE
159251.3	130037	120433.9	125116.7	145908	182018.6	195393.8	222729.6	TRUE
337718	199221.2	220635.2	236984	255017.7	220941.8	241700.5	252956.8	TRUE
255016.8	217452.5	256666.5	231612.6	269921.5	251085.4	233764.7	307318.4	TRUE
249757.7	252483	230825	328050.3	286638.2	301576.8	288111.4	295876.9	TRUE
40943.8	41276.6	47126.4	38127.3	52148.7	55248.9	45922.1	58278.2	TRUE
800095.9	651017.2	687138	646477.3	766707	802669.4	767014	837909.3	TRUE
288347.3	267798.4	268283.4	247728.7	284599.9	316735.6	286043.7	307584.5	TRUE
62910.6	72918.2	66877.2	80973.3	67146.5	84698.5	58065.1	92559.2	TRUE
726960.6	616426.4	498467.2	721751.1	619223	808455.5	762942.8	914468.2	TRUE
51165.5	47166.6	32107.3	36251.5	32960	47529.4	51190.4	66170.6	TRUE
123676.1	105386.7	160922.8	196564.3	185222.2	157217.9	141890.3	162853.6	TRUE
226464.7	220640.5	215736	228924.5	211090.3	259113.2	206077.5	238849.6	TRUE
570984.5	494938.9	543208.2	605307.9	587317	584530.9	501931.9	555789.5	TRUE
1281231	1261340	1105479	1150418	1218900	1397724	1247172	1333789	TRUE
153064.6	114027.9	87971	153360.9	93141.1	133686.7	119480.2	118889.6	TRUE
104412.2	86071.3	73587.8	75803.9	74280.9	78754.9	71918.4	107665.3	TRUE
95399.8	69893.7	55275.7	104456.3	87657	72855.2	100181.6	126187.6	TRUE

43341.4	35627.8	23185.4	36964.7	32803.5	41773.9	48176.7	63049.3	TRUE
150830.4	120147.1	200931.6	140763.1	119968.5	111099.5	137917.4	200620.3	TRUE
60420.9	31469.3	31145.2	32204.3	37249.5	45265.7	42845.5	53956.9	TRUE
138348.8	114240.6	169281.9	135337.4	144611.2	141018.9	140372.5	147496.4	TRUE
59630.7	66976.1	65921.3	83946.3	89481.8	97870.6	93218.3	107814.9	TRUE
495333.8	328710.2	368684.9	631220.3	659928.8	644621.7	578380.4	765601.4	TRUE
118062.4	141553.7	127179.8	94829.2	90600.4	92927.5	112871.6	101302.8	TRUE
1307138	1509638	1016833	1474935	1284763	1580898	1921321	1456910	TRUE
261564.8	342487.4	223321.7	337016.2	291422.5	357520	448537.2	303188.7	TRUE
759341.3	718329.3	627338.7	572145.3	750909.4	719083.5	699570.9	670373.6	TRUE
1695931	1635615	1424583	1513368	1569144	1649399	1681172	1661879	TRUE
156799.2	134766.2	190269.9	166019.5	164233.1	170802.2	167254	165988	TRUE
190286.7	178206.4	294050.7	195179.7	148676.4	224144.4	176182.8	164466.6	TRUE
103535.6	89029.4	114149.7	94581.2	95683.4	106440.8	87334.2	93687.9	TRUE
77139	49598.2	87910.2	87787.1	69594.4	78551.7	62640.3	71553.6	TRUE
330593	253182.4	348340.7	316743.7	366244.3	337412.2	269256.6	328151.9	TRUE
38708.5	32994.9	16423.8	33711.3	29394	46059.3	35466.9	47633.7	TRUE
170943.4	104064.3	110524	148085.8	116025.4	178561.3	147553.1	185309	TRUE
19972.3	6923	21587.4	6265	22696.4	14894.9	6639.8	19513.8	TRUE
55887	77013.1	52454.7	90186.7	104844.4	23537.3	30344.4	23697.4	TRUE
339866.8	297453.1	307425.4	374174.7	378301.2	301097.6	322505.6	384192.4	TRUE
197774.7	190148	126878.8	206470.5	193995.3	126296.5	195672.1	185922.1	TRUE
22570.9	19554	16600.9	24390.2	21983.8	21022.2	18897.5	22312.6	TRUE
25362.3	28680.6	18535.6	9301.9	20891	20622.1	22494.2	17627.5	TRUE
55951.9	40256.4	38636.7	47758.5	48435.1	36655.6	40471.3	44453.4	TRUE
61516.7	76524.1	42169.8	72421.2	66335.6	41128.9	67897.5	74431.6	TRUE
171860	166897.4	106148	149318.7	166794.3	135316.9	148154.6	170394.5	TRUE
32950.7	42370.6	34177.4	36606.4	52938.4	33891.4	41891.5	48148.4	TRUE
44550	48690	33740.7	48119.9	43919.3	31664.5	39294.6	30467.5	TRUE
56813.5	56929.1	45658.5	55993.1	61405.8	44742.7	47469.8	49419.9	TRUE
59349.6	150778.4	88900.1	123019.6	102879.3	36215.1	36805.8	39925	TRUE
163243	149828.2	147862.9	199171.9	160043.1	165335.5	167263.3	179301.7	TRUE
154365.1	159309.1	115910	129971.9	149515	132844.8	152828.8	138886.3	TRUE
199329.6	190971.5	182853.1	197993.4	178362.3	170441.9	185081	182588.9	TRUE
108650.5	92292.4	90467.9	128812.7	117947.9	105648.7	80655.8	129116.4	TRUE
221083.9	230529.2	206453.4	212009.5	204249.1	215033.1	193945.8	203921.7	TRUE
147916.2	148272.2	137847.4	181256.9	152570.2	154787	145148.7	179693.1	TRUE
136042.8	142929.8	109515.7	121364.6	128557	117511.3	109355.6	119927.4	TRUE
64676.3	48997.2	62901.5	71863.4	82690.5	72283.8	64553.2	75141.7	TRUE
76328.7	68982.4	80640.5	72573.9	77791.5	81828.1	69402.7	79019	TRUE
114970	83561.7	104686.6	109363.4	91830.9	80470.8	111623.5	117756	TRUE
377551	351696.8	333235.3	343950.9	398200.2	353825.7	376755.8	372814.4	TRUE
158153.5	153355.5	125207.3	129088.6	172729	142480.1	173455.4	181220	TRUE

419166.4	413977.5	454165.7	426359.9	461095.5	476140.3	437408.5	453017.6	TRUE
186033.6	185280.2	174849.3	180539.9	198031.8	246503.9	200665.5	198032.3	TRUE
152280.8	138225.4	127973.6	143516.4	131833.7	151495	181532	158854	TRUE
101080	158012.6	95148.6	122642.2	146621.6	89266.7	69209.3	68020.5	TRUE
28872.8	24625.2	20534.5	21718.8	18708.4	30819.2	21517	13446.4	TRUE
1605871	1184025	1473271	1517045	1183682	1721143	1303201	1366497	TRUE
57068.3	100519.1	116856.8	109762.6	114478.4	39966.2	50333.3	49199.6	TRUE
393070.4	252624.1	313871.6	381039.4	323101.1	398932.5	329734.7	406947.7	TRUE
339115.7	289454.8	235821.4	317408.1	302507.3	312719.4	279782.7	328883.1	TRUE
2192981	1771040	1661929	1863820	1991895	2263425	1829694	2149389	TRUE
63270.1	54332	63901.9	59874.5	61120.4	75969.9	72051	67937.6	TRUE
46660.9	37100.1	50736.5	32756.6	36384.8	76854.2	44731.1	39033.7	TRUE
38192.1	22758.3	43455.7	10074	7019.9	40061.3	24918.9	9179.5	TRUE
140738.1	63092.8	75297.9	97857.7	66060.2	125861.7	91914.7	67666.7	TRUE
65953.3	25005.9	56590.7	77442.3	38930.7	104044.6	52577.3	35870.8	TRUE
50991.9	37934.6	49900.1	20759.8	22670.7	72856.4	32496.8	30160.9	TRUE
65034.6	34025.7	66769.7	45687.7	35787.3	110366.5	45001.1	37673.5	TRUE
132368.2	42455.3	158005.3	25565.7	68688.4	266802.3	75232.5	92018.9	TRUE
389869	370226.1	303443.1	350575.5	328017.4	325971.6	325401.6	297627.9	TRUE
6986285	5943815	3999905	4610520	4825094	4156261	4086809	4649040	TRUE
4912076	4702850	4639622	5647410	5652822	5015892	4906157	5742688	TRUE
2859854	2495352	2597439	3138602	3083799	3098486	2808891	3461483	TRUE
327360	283299.4	266879.1	366362.6	336230	376882.6	343643.3	391817.1	TRUE
81745.4	117885.7	72169.3	112025	115025.1	56225.3	61539.5	48064.2	TRUE
125905	286866.9	117541.1	239536.8	279579.9	62226.1	45774.7	89617.1	TRUE
62174.3	46068.8	52153.7	58006.5	58964.3	55413.8	47760.9	47729.3	TRUE
78753.5	161662.4	122606.4	213321.3	189495.1	71032.8	81679	74739.5	TRUE
2395595	2242923	2160353	2313354	2432644	2157784	2197434	2181753	TRUE
19360403	18474292	15482365	16637611	17872600	20116539	19793325	21921067	TRUE
543334.9	517863.3	488855.8	461885.1	493607.1	455558.3	509277.8	475699.6	TRUE
518741	468149.3	561254.6	486499	521976.8	472660.8	441577.5	506960.9	TRUE
466019.8	531413.6	437599.9	405660.6	596402	408635.7	504949	433222.3	TRUE
372833.5	324706.2	404583.7	416614.5	511024.7	507198.7	434772.3	476723.7	TRUE
217475.8	170994.3	192378.9	255266.1	244712.5	235114.3	222303	241387	TRUE
145793.7	132860	136796.5	151091.6	170118.7	155637.4	143370.3	175366.7	TRUE
366460.4	326771.3	228133.1	235957.6	265879	239349.3	253947	250420.6	TRUE
793044.6	667580.2	483146.8	466627.3	537425.2	478064.2	422613.1	497816.4	TRUE
300831.4	285935.8	355771.4	378959.3	355530.4	345459.6	340548.7	339478	TRUE
280946.8	225342	274934.3	319869.4	326653.4	288553	265047.5	315116.4	TRUE
9098068	6912872	8268367	10258634	9331918	9784025	8171099	10400898	TRUE
8861207	6628472	8211280	9750219	8695730	8544407	8119227	9552061	TRUE
925069.2	684328.5	768356	894339.9	893254.1	871576.4	829184.5	956864.5	TRUE
246023.2	246509.6	214466.6	274653.8	292928.1	251309.8	238835.1	273472.7	TRUE
158365.7	134491.4	146582.8	164403.7	185664.7	160009.5	130332.7	174154.2	TRUE
79227.4	73536.9	81958.3	85785.4	88164.3	84752.9	77636	80284.3	TRUE
171396.9	137751	175201	169496.8	146604.3	183835.6	155185.6	159930.3	TRUE
74700.2	189187.1	88975.7	166268.4	153310.2	44811	58009.2	49272.9	TRUE
245422.3	427920	245558	405069.1	467946.6	161920.5	130858.2	247853.1	TRUE

97772.6	78729.6	67483.1	99074.2	80112.2	106375.4	81326.4	104227.2	TRUE
173275	167866.3	131990.8	188253.7	183255.6	155329.6	168792	182807.3	TRUE
76476.8	157523.4	190331	239068.5	346016.2	41509.1	23147.7	55917.3	TRUE
100607.7	164682	170863.6	249912.2	326097.1	73045.5	70948.2	70336.6	TRUE
124543	79831.9	81002.7	139302.8	88318.1	131529.5	106238	148813.4	TRUE
102875.9	84185.2	91824.8	101337.8	106844.1	91557.5	102462.9	103734.6	TRUE
319310.1	280793.5	319199.7	327446.1	325938.1	383609.4	336897	407143.6	TRUE
380181.5	326505.4	399852.9	355806.8	364807.2	426575.9	366355	372142.2	TRUE
8173637	7824063	6682339	7644316	8116938	8803231	8782206	9469515	TRUE
3392817	3143464	3337294	3173839	3622505	3823214	3694783	4139533	TRUE
95318	91560.5	83588.6	92995.6	98751.3	123280.4	106793.6	94952.7	TRUE
26821.5	76873.7	50970.8	83492.2	103437.7	9629.7	8081.3	32086.5	TRUE
84126.8	260323.7	171877.4	233516.3	261118.4	38527.8	57814.9	47368.2	TRUE
171878.3	517380.6	252753.5	469671.7	557009.6	94088.4	46212.1	76783.5	TRUE
41191	41520.8	35610.6	40339.3	32354.1	50636.7	32121.2	50063.3	TRUE
69359.2	99218.2	82585.4	104388.4	106109.9	87361.6	64338.3	63272.9	TRUE
47059.9	51330	47770.8	47547.3	53292	63457.6	64382.8	59276	TRUE
196503.6	202164.2	153276.8	180024.4	156469.4	203615.6	184442.5	199878.8	TRUE
500803.1	467667.6	432380	484567.2	468976.8	534511.1	553715	552625.3	TRUE
137253.9	111327.1	124755.8	145639.2	136359.2	119684.2	116821.8	131284.4	TRUE
163999.2	140996.9	166631.7	161554.2	196509.5	158789.4	155733.3	200893	TRUE
579725.9	523566.5	635641.1	541365.4	606823	646570.5	484195	606369.9	TRUE
606193.9	530190	673558	633475.4	742701.7	625584.7	608385.4	702285.5	TRUE
2218455	1979460	2301293	2340169	2447553	2417814	2136055	2319283	TRUE
442725.1	429617.4	409664.6	416211.5	481989	446515.1	409048.5	456582.4	TRUE
154272.7	138719.7	165325	166101.2	204770.4	174855.6	179362.4	200059.9	TRUE
243022.3	200330.2	250813.5	287358.4	296835.8	255638	256284.2	266485.2	TRUE
52072.3	45216.6	67106.1	62018	70803.6	74547.4	64222.3	61133.9	TRUE
964585.5	884970.9	875584.4	1082021	907889.7	954334	866604.5	889331.3	TRUE
83249.9	99907.5	96588.7	125625.4	148839.3	58823.7	47828.3	77273.1	TRUE
30545.3	12003.3	8396.5	25857	29204.9	28616.3	18318.1	39798.7	TRUE
138811.2	105897.9	116051.3	129215.4	163452.2	128363.9	113642	131846.5	TRUE
61649.1	73613.5	53540	52466.4	77720.9	64625.8	58005.3	79530.2	TRUE
235255.7	230421.2	200307.6	187914.2	209374.8	229815.3	256878	235066	TRUE
2138315	2035849	2076835	2016738	2281351	2373088	2140634	2322750	TRUE
422695	404468.2	414662.7	387375.8	467680.9	523970.1	484780.5	446309.9	TRUE
122214.6	153596.6	156606.8	119404.9	135636.7	136235.1	141826.1	121637.1	TRUE
367955.9	361126.3	417418	392568	307313.3	363243.6	396906.7	341365.6	TRUE
73754.2	55495.3	62806.4	69202	63821.4	84078.3	65246.9	80773.3	TRUE
122126.5	106192.8	127265.3	127178.7	126326.6	152950.7	119798.8	161912.6	TRUE
37798.2	45815.4	25943.5	47216.4	46740.1	53166.3	44657.9	40096.7	TRUE
143878.8	281145.1	188872.8	235395.7	289476.6	123104.9	111009.5	124247.5	TRUE
51454.6	46432.2	51852.2	41393.7	48259.2	37877.2	61950.3	44005.7	TRUE
65465.5	58294.2	38217.2	39987.5	82460.1	41066.7	48356.5	43208.4	TRUE
197553.4	168697.3	203262	198251.6	229674.4	215289.6	234398.4	235435.2	TRUE
456435.6	412654.9	400148.6	450539.1	417069.5	446432.4	453949.7	438056.6	TRUE
353832.1	317792.4	311520.2	232382.5	275664.5	325929.8	264280.8	249217.1	TRUE

545640.3	552827.2	464141.1	517798.8	462628.9	434458	492703.6	524171.6	TRUE
616131.4	607722.4	487190.2	511309.4	484311.6	502478.1	496257.5	516322.8	TRUE
122851.5	107279.2	106501.8	128112.1	141070.2	134741.9	155532.4	129418.2	TRUE
537272.6	508662.9	566721.5	657552.3	681785.7	581572.5	580289.3	619454.5	TRUE
458003.5	388477.4	419811	482265.8	479112	412534.9	433065.7	478656.5	TRUE
393802.8	354561.3	364598.5	427520.2	508376.1	377187.8	377510.8	517411.7	TRUE
266848.2	260069	226111.2	260502	234642.1	241713.3	224005.2	291559.7	TRUE
321651.9	273721.2	325078.3	387074.9	358284.3	365831.9	318507.3	404341.9	TRUE
126060.1	112606.4	107864.5	129037.4	127453.4	121831	118560.2	107661.2	TRUE
47773.7	129840.8	67671.9	127439.5	117999	25827.7	30838.4	41234.4	TRUE
160294.9	272710.3	207212.3	258522.1	275838.3	101373.1	90770.8	123027.8	TRUE
44056.1	61717	47520.4	43226.3	52325.2	46935.3	49362.9	57459.1	TRUE
26244.3	36634.3	36756.7	58260.3	74697.4	19778.2	27426.1	10990.8	TRUE
67221.6	30731.8	33058.6	46957.6	49428.4	66100.2	56072.5	60506.3	TRUE
89759.8	73668	89866.7	117151.7	105754.1	114646.5	101157.3	112827.8	TRUE
146980.2	113306.2	160623.5	124970.6	99314.4	172049.9	114779.3	117288.7	TRUE
1320311	1296746	1173225	1220738	1269663	1330500	1402576	1407947	TRUE
351809.5	351233.6	346856.9	295172.9	336476.4	324539.8	340977.1	340910.4	TRUE
185481.2	213012.2	186494	186672.8	215720.6	220485.9	223191.6	204905.8	TRUE
260810.3	262861.1	203178.4	229784.4	239008.3	270078.5	286561.3	309045.5	TRUE
193305.4	164710.5	122268.4	157924.7	149014.6	196268.7	183327.7	196909.7	TRUE
181457.7	150625.9	143534.2	178659.6	141429	195950.4	176385.2	185117	TRUE
133066.4	115189	84880.4	113272.4	123292.3	123978.3	151699.9	135860.3	TRUE
183495.7	204347.9	153994.5	176182.7	190411.1	183844.9	204068.3	191982.3	TRUE
106821.2	122824.6	116226.7	103623.6	87655.2	112375.6	106445.3	116281.3	TRUE
54062.4	50260.8	35478.2	39589.1	31830.6	54444	43195.2	42596.5	TRUE
146113.4	150915.7	158663.1	153512.3	142837.5	175567.2	187459.7	153001.9	TRUE
90416	90033.7	77562	82697.8	94979.5	100124.4	99006.3	87244.5	TRUE
151342.6	153545.4	145419.4	162694	164595.6	213087.3	172596	180237.1	TRUE
93594.5	87227.6	74440.9	87488.5	90105.4	115760.8	97871.4	84311.2	TRUE
50138.3	47423.2	40750.4	42349.6	41545.7	57739.8	50218	62144.5	TRUE
19264.6	24855.1	14630.5	10372.8	29953.6	17574.1	14375.8	14897.1	TRUE
47627.9	101373.2	48655	98434.1	94120.5	40024.8	41506.9	33442.3	TRUE
144897.5	362655.8	240323.4	338451.1	354047.4	121564.9	110444.5	125610	TRUE
91301.3	73898.1	72812.4	71308.7	77778.6	108296.5	85749.6	99950.5	TRUE
65077.2	59199.4	80008.3	58719	72831.1	54144.4	67222.6	68771.6	TRUE
101349.5	97303	53041.1	72383	70809.2	79032	111502.7	70390.8	TRUE
1401349	1676601	913934.2	1292699	1150720	901103.9	1885118	1180506	TRUE
69124.2	75827.3	51050.3	58618.1	77026	69778	101276.7	72116	TRUE
23634.7	14663.8	12146.5	17106.3	28142.6	30489.8	39387.6	15072.8	TRUE
283665.6	320830.4	242324.2	318892.5	273787.5	249196	376128.1	304255.5	TRUE
357302.2	288465.7	352265.5	355298.2	278870.3	329805.9	366931.2	374982.8	TRUE

573387.2	639046.5	384545.7	514437.9	514841.9	465012.1	642738.3	503950.4	TRUE
395790	500330.1	318040.3	384890.6	416569.7	304961.9	542094.2	435913.3	TRUE
119717.6	103786.5	50216.6	77099.1	57322.1	47131.6	86996.3	88240.8	TRUE
825956.8	858621.5	666375.1	908213.5	803689.5	742167.1	993081.3	893192.8	TRUE
164232.8	201379.2	138381.4	167833.5	157583.7	146637.5	235717.8	173324	TRUE
56842.5	60630.8	57680.5	64614.9	49545.7	49685.4	46046.3	59095.1	TRUE
1479898	1316204	1343275	1640293	1162880	1434293	1327309	1532236	TRUE
77420.7	53322	90399.3	118383.6	86022.5	81626.4	99404	104996.2	TRUE
856116.5	1027100	874203.1	890355	757575.2	879376.6	1062060	755644	TRUE
1413538	1032690	1481825	1533977	1405580	1327281	1219393	1562791	TRUE
36940.7	52823.9	71145.3	32889	39195.5	50415.9	57202.8	47904.2	TRUE
106036	119323.8	75905.3	77797.3	79010.6	88134.2	115737.1	82372.4	TRUE
43377.9	60092.3	44774.3	44440.4	48204.2	58297.5	61801.8	43162.3	TRUE
71832.2	67770.6	72388.6	62488.6	67118.1	49279.8	77247.6	64061.3	TRUE
140827.5	159922.2	139249.3	158315.9	151597.4	123060.6	196405.3	161598.4	TRUE
63314.3	79515.3	86050.7	79824.4	87372.2	79559	90990.4	66207.6	TRUE
193159.8	250447.1	193828.5	185096.7	210788.8	168433.1	234774.3	178459.2	TRUE
190203.3	152600.5	217403.5	217647.2	182901.3	159053.1	147998.3	143316.6	TRUE
31414	20191.8	29918.4	10412.4	28282.4	26692.5	21478.3	28432.2	TRUE
64833.4	45801.1	41882.6	68752.2	41835.8	57744.8	48268.4	66535.9	TRUE
58577.5	57587	62862.2	82564.1	62360.7	52047.9	72111.8	40479.5	TRUE
3408173	3982351	2377745	3056304	2801202	2541060	4255801	2816648	TRUE
692492.3	794858	587049.7	598585.6	650370.7	563821.3	788993.4	646209.7	TRUE
517900.6	428545.9	640766.3	681076.4	438647.7	514277.5	445197	457626.5	TRUE
1303699	1126461	1492225	1672111	1076832	1213173	1112464	1135570	TRUE
389688.9	336288	446340.3	489102.1	365200	428201.2	382653	386059.1	TRUE
261788.9	214281.4	249040.9	243354.4	205277.2	282824.2	212377.6	238755.1	TRUE
265413.7	275609.1	246505.1	257138.9	214936.3	203110.1	307583.1	222522.5	TRUE
244192.2	328551.1	234065.1	295854.5	267903.7	247443	348319.4	250267.1	TRUE
360335.5	310011.8	438963.5	439728	345243.3	336390.9	334855.8	351437.8	TRUE
90801.2	67272.3	99400	116876.9	81618.4	94225.9	119278.7	104127.2	TRUE
663757.4	496998.7	654546.4	867626.1	481388.2	617143.2	634903.6	632694.9	TRUE
92302.3	100806.6	80910	110193.8	99823.2	104965.6	87020.3	75772.4	TRUE
51972.2	64524.7	41452	51750.3	64451.3	51243.2	68249.3	61077.3	TRUE
311402.2	337080.7	298901	324738.2	227049.7	309477.5	331307.4	228800	TRUE
159904.7	107233.2	159656.5	171006.2	179008.4	148268.3	148615.9	158942.7	TRUE
133451.5	145786.1	88973.5	72691.8	83978.6	97911.8	76490.8	57956.7	TRUE
90803.6	79201.3	70012.6	80484.9	67849.3	60779	94876.2	69964.2	TRUE
186275.1	222571.9	225720.7	206394.6	175997.7	199882.8	198902.9	153077.4	TRUE
94487.4	79995	91198.4	67965.5	76928	90124.8	101066.1	78089.7	TRUE
97144.5	128263	105240.7	117030.8	101979.8	93822.8	144058.5	77196.8	TRUE
83264.9	111639.8	110464.7	83107.2	95445.4	73747.3	80030.3	76314.1	TRUE
115034.1	117649.3	90125.8	84032	82711.2	58121	68588.3	57600.5	TRUE

250594.1	246651.5	258764.8	287832.2	286711.2	247010.7	253020.4	258617.5	TRUE
532697.7	528791.2	455617	495062	437678.4	480164.1	562092.8	428368.8	TRUE
258848.1	192743.1	254026.5	265304.5	219255.3	262355.6	193081.3	266445.1	TRUE
101349.5	97303	53041.1	72383	70809.2	79032	111502.7	70390.8	TRUE
1401349	1676601	913934.2	1292699	1150720	901103.9	1885118	1180506	TRUE
196564.7	272859.1	142203	148970.7	181359.2	149594.2	264692.1	190114.6	TRUE
191947.2	207787.1	117427.9	144958.7	170610.4	130415.1	245177.2	144088.2	TRUE
120683.6	105065.8	194922.2	193706.7	66589.7	96258.9	105322.5	95576.8	TRUE
69124.2	75827.3	51050.3	58618.1	77026	69778	101276.7	72116	TRUE
23634.7	14663.8	12146.5	17106.3	28142.6	30489.8	39387.6	15072.8	TRUE
126248.5	212138.9	59765.4	94041	91201.3	80713.8	155797	103550.3	TRUE
140715.9	197174.6	125886.3	150868.3	163054.8	139202.5	223075.1	154768.5	TRUE
134731.9	144167.2	119643.2	154186.2	144590.4	110174.3	219556.7	140522.5	TRUE
42918.8	39410.4	32392.1	36630.7	37196.6	33825	47099.2	32591.7	TRUE
51689.7	55597.5	70538.6	57049.6	53204.8	78116	76106	66748	TRUE
41117.3	78626.7	61445.5	85939.3	66068.6	30398.9	31153	30907.1	TRUE
573387.2	639046.5	384545.7	514437.9	514841.9	465012.1	642738.3	503950.4	TRUE
395790	500330.1	318040.3	384890.6	416569.7	304961.9	542094.2	435913.3	TRUE
119717.6	103786.5	50216.6	77099.1	57322.1	47131.6	86996.3	88240.8	TRUE
75582.7	83239	39962.5	53240.5	59886.3	57257.9	91781.9	66216.4	TRUE
22507.6	8267.4	24731.3	38943.5	26108.5	33374.4	28487.3	20344.8	TRUE
856116.5	1027100	874203.1	890355	757575.2	879376.6	1062060	755644	TRUE
1413538	1032690	1481825	1533977	1405580	1327281	1219393	1562791	TRUE
36940.7	52823.9	71145.3	32889	39195.5	50415.9	57202.8	47904.2	TRUE
63314.3	79515.3	86050.7	79824.4	87372.2	79559	90990.4	66207.6	TRUE
193159.8	250447.1	193828.5	185096.7	210788.8	168433.1	234774.3	178459.2	TRUE
190203.3	152600.5	217403.5	217647.2	182901.3	159053.1	147998.3	143316.6	TRUE
31414	20191.8	29918.4	10412.4	28282.4	26692.5	21478.3	28432.2	TRUE
64833.4	45801.1	41882.6	68752.2	41835.8	57744.8	48268.4	66535.9	TRUE
58577.5	57587	62862.2	82564.1	62360.7	52047.9	72111.8	40479.5	TRUE
3408173	3982351	2377745	3056304	2801202	2541060	4255801	2816648	TRUE
692492.3	794858	587049.7	598585.6	650370.7	563821.3	788993.4	646209.7	TRUE
517900.6	428545.9	640766.3	681076.4	438647.7	514277.5	445197	457626.5	TRUE
1303699	1126461	1492225	1672111	1076832	1213173	1112464	1135570	TRUE
389688.9	336288	446340.3	489102.1	365200	428201.2	382653	386059.1	TRUE
90801.2	67272.3	99400	116876.9	81618.4	94225.9	119278.7	104127.2	TRUE
663757.4	496998.7	654546.4	867626.1	481388.2	617143.2	634903.6	632694.9	TRUE
320795.4	445636	262347	282378.7	354674	303260.2	459193	354916.5	TRUE
663734.9	699414.9	760458	809529.9	486759.3	592463.2	711850.2	604451.7	TRUE
89179.8	96895.8	47509.1	56501.5	67285.8	61473.1	94042.1	88636.3	TRUE

141965.8	114252.2	167189.5	179339.6	105112.9	144674.8	113416.4	151517.5	TRUE
133451.5	145786.1	88973.5	72691.8	83978.6	97911.8	76490.8	57956.7	TRUE
90803.6	79201.3	70012.6	80484.9	67849.3	60779	94876.2	69964.2	TRUE
186275.1	222571.9	225720.7	206394.6	175997.7	199882.8	198902.9	153077.4	TRUE
94487.4	79995	91198.4	67965.5	76928	90124.8	101066.1	78089.7	TRUE
97144.5	128263	105240.7	117030.8	101979.8	93822.8	144058.5	77196.8	TRUE
83264.9	111639.8	110464.7	83107.2	95445.4	73747.3	80030.3	76314.1	TRUE
115034.1	117649.3	90125.8	84032	82711.2	58121	68588.3	57600.5	TRUE
250594.1	246651.5	258764.8	287832.2	286711.2	247010.7	253020.4	258617.5	TRUE
336800.8	315665.1	413614	478286.5	407480.7	363348.1	352751	339154.3	TRUE
1013594	1134879	918867.6	990325.3	883641.9	1000135	1280256	862947.1	TRUE
3240855	2488708	4067355	3897869	2762846	2988310	2660608	2803663	TRUE
1454895	1049157	1714781	1745405	1244571	1351418	1160732	1341833	TRUE
70831.7	66811.4	73140.5	78630.9	88090	61811.2	64532	55766.8	TRUE
42487.3	10752.4	26899.1	38530.1	27728.7	35455.9	17115.6	29536.6	TRUE
27453.4	24623.1	10124.5	14446.6	39119.9	44643	40449.1	38077	TRUE
394783.5	309887.4	216421.9	264448.5	370090	494381.9	417239	508806.8	TRUE
231890.2	186559.1	132776.8	110047.8	192206.5	249901.7	229953.9	283628.3	TRUE
344806.8	308454.7	239311.9	242130	326116	470708.8	339421.8	374479	TRUE
6859.5	10631.5	15105.9	8851.9	5843.1	7186.3	7314.7	7646.8	TRUE
43117.9	31496.5	46406.3	48052.3	35531.3	47552.3	29619.4	27562.3	TRUE
144118.3	87492.1	98384.8	86096.7	172191.2	148798.8	97211.7	167218.2	TRUE
63046.7	38800.4	46557.5	28268.1	23911.3	37789.4	20767.3	27630.8	TRUE
18591.2	6220.8	7927.3	10538.6	17300.2	3999.4	9656.1	6430.6	TRUE
49783	46363.1	81109.8	77379.7	70424.6	82198.7	45349.9	57189.6	TRUE
433729.5	438909.3	317544.9	342357.7	498101.5	533924.4	445378.9	533183.4	TRUE
139685	88428.4	80429.5	83357.5	179350.8	161428.5	122012.3	189149.4	TRUE
80491	79648.1	65882.5	72716.4	76275.1	77676.5	77452.9	91254.1	TRUE
57242.3	8460.5	45408.6	57217.3	46619.9	38680.4	33761.5	44187	TRUE
85196.7	81348.6	64416.4	55395	84983.3	112555.2	102785.3	125929.3	TRUE
41107.7	28109.7	42727.7	61358.6	48118.8	38347.4	27079.6	53155.2	TRUE
56696.1	44415.2	47759.1	70090.6	46962.8	61984.2	57528.2	70920.6	TRUE
63241.6	53028	59476.2	61112.7	66263.5	81271.8	72571.4	76771.2	TRUE
28975.1	21930.2	40491.8	11858.1	29670	52669.4	14435.5	38252.7	TRUE
2537098	1833026	2656262	3076610	2790728	2790735	1922370	2735194	TRUE
1135909	1077736	926871.9	1063424	1203661	1396360	1133714	1321264	TRUE
544247.8	509835.6	441597.8	433260.9	582743.1	766800.5	591532.9	650304.2	TRUE
645521.3	566834.8	441795.6	451440.2	709337	655970.3	532270.6	664519.6	TRUE
58447.7	68585.3	33242.7	61146.9	66084.9	91077.4	129040.5	94937.8	TRUE
284598.2	269986.9	305642.3	303751.6	278780.1	309144.5	256676.2	266714.3	TRUE
33627	24900.4	31423.5	20738.7	13240	23765.2	17302.2	20201.3	TRUE
113473.4	99056.3	127281.1	150206.6	130680	132315.5	106960.7	140252.6	TRUE
41768.7	35118.7	46691.1	72293.4	56203.1	67595.5	37323.3	59007.2	TRUE

266147	185489.7	121317.7	154756.6	236334.6	311163.6	273527.7	336904.9	TRUE
611437.6	427254.6	299883.4	350657.3	576176.5	806908.2	646047.8	883878.1	TRUE
35535.4	14484.7	45177.5	44043.7	10451.5	59696.5	28886.1	32689.4	TRUE
59660	36052	110376.5	63550.9	72046.6	102952.8	66036	78576.4	TRUE
19745	43891.6	37367.5	51463.4	42849.7	13027.2	26601.4	28089.9	TRUE
127335.9	116753.8	97308.7	105986.8	89417.5	103313.3	126551.6	99376.6	TRUE
174279.8	166374.2	150618.5	150547.7	155016.5	153958.5	176674	152246.5	TRUE
651545.5	644489.8	503553.1	580963.6	537492.1	520652.3	706331.1	562967.8	TRUE
128897.6	139845.7	117536.7	128760	143655.4	109670.1	145649.4	120971.6	TRUE
34139.8	46485.4	32005.4	45727.1	42583.1	28645.3	52314.4	47685	TRUE
35226	26949.7	27651.1	33510.4	38101.9	33871	29004.1	40545.9	TRUE
28396.1	31040	18172.8	32244.7	26075.9	42231.8	33421.3	33737.2	TRUE
100660.9	96009.3	80463.9	120828.1	87306	145083.9	115836.1	100302.1	TRUE
232232.4	189471	216980.4	314070.4	161239.3	224594.6	236367.4	221706.8	TRUE
473820.7	462403.3	397858	475145.2	405010.3	430846.9	517790.1	418279	TRUE
151453	170456	112894.1	159256	140796	107241.4	141690.9	142149.1	TRUE
173538.1	219918.7	164799.4	197013.3	246031.6	153245.4	172250.6	194524.5	TRUE
117111.2	123797.9	124195.4	114675.1	106619.1	122300.2	118633.9	114300.6	TRUE
332647.9	395919.3	450819.4	460872.2	214624.6	367405.4	415666.8	374757.3	TRUE
145367.5	177467.4	166351.6	166630.7	107839.5	168757.5	176865.7	165631.6	TRUE
263393.9	229678	350346.2	317697.2	228784.7	316068.7	237725.1	289836.9	TRUE
27281.4	23882.7	28513.8	27047.3	22274.8	9802.4	26663.1	27850.4	TRUE
117182.4	143145.1	94485	121967	131251.8	105247.9	152249.3	144163	TRUE
182123.9	227024.8	191626.4	223127.6	181227.5	166725	183396.9	196133.4	TRUE
151067	133037.4	174722.7	194429.6	101745.3	148262.5	135180.7	151918.5	TRUE
64994.5	72777.6	47024.3	59582.5	59345.2	52109	70676.9	55146.1	TRUE
107163.3	109716.7	88915.4	117359.5	108981.8	95025.6	136697.2	110192.4	TRUE
183647.6	192267.6	183716.1	190554	221525.7	154767	221978.7	191911.9	TRUE
106479.5	103645.2	83127	116260	113250.9	96994.1	134829.3	108889.5	TRUE
86740	96687.5	79532.6	140281.1	111164.8	111008.7	147227.7	140269.3	TRUE
208188.3	264944.7	202010.7	295346.3	247313.3	216788	279203.3	221432	TRUE
527272.8	604387.5	334774.8	526081.3	567776.8	334933.6	695699.8	583755.5	TRUE
257549.2	217685.6	305450	304649.7	211300.2	270456.7	273615.7	285507.6	TRUE
318045.3	219166	315023.7	329155.1	274195	300627.8	242393	307060.9	TRUE
47471.3	57237.7	33127	39385.5	34659.6	43907	54080.9	50369.4	TRUE
27632.3	15958.4	25457.3	33615.6	57991.3	33126.9	35685.4	48403.9	TRUE
385943.7	358591.5	448325.1	504076.3	487102.9	454446.9	466926.4	470275.2	TRUE
107525.6	112130.7	103697.8	122461.3	116377.4	104732.7	114232.7	131023.5	TRUE
61716.3	64817	58049.6	55884.1	65141.6	57478.6	62336.9	71889.1	TRUE
454389.9	404035.8	432365.2	472380.4	457464.6	443508.2	446338.2	439018.1	TRUE
378045.6	348366.4	358890.5	380861.5	331646.6	362905	355954.6	334881.3	TRUE

587828.5	531365.1	587846.1	743020.3	641866.3	729489.1	713117.4	710274.8	TRUE
247195.8	145965.9	261781.4	320405.7	257331.9	281321.7	187967.1	249431.4	TRUE
35461.2	28419.7	29130.7	14867.6	28770.9	19106.8	14215.8	30282.6	TRUE
31164.8	37285.7	31329.4	35953.5	42288.6	37608.6	39867.2	43453.4	TRUE
36939.6	9419.9	25982.5	37345.2	31781.9	31258.4	38679	39187.2	TRUE
20987.3	13465.2	22822.8	24894	16659.2	22801.5	13008	21983.6	TRUE
23782.8	26787.9	33934.2	32896.2	35061	20317.5	10670.8	22209.2	TRUE
21412.6	19196.2	4615.1	12199.7	19475.2	9050.2	10124	13895.8	TRUE
6492826	6212622	5483758	6333282	6748732	5763977	6437094	6793570	TRUE
199501.3	222437.7	204978.8	253946.2	213188.8	211673.9	205387.5	222906.6	TRUE
143817.3	136919.5	97345.1	151899.2	150616.7	148848.5	160043.6	172288.1	TRUE
68515.2	111321.7	78602.7	125050.2	163261.8	59216.7	38552.1	54984.6	TRUE
133254.3	93550.9	87947.9	132428.3	109902.4	114570.3	129773.2	151959.3	TRUE
561608	518652.1	588224.4	586401.2	533981.4	529442.6	525480.2	515349	TRUE
21484127	20427761	20784527	21094280	18584708	23181956	21534666	22338411	TRUE
79312.8	231042.6	120036.9	206613.1	207577	52908.5	43647.4	70517.6	TRUE
71468.2	131484.3	92907.8	137702	122675.4	48429.9	33500.5	36021.1	TRUE
154126.9	176490.4	103832.8	151529.9	154100.9	108041.7	170038.2	186497.7	TRUE
2649275	2495854	2113954	2499363	2792563	2288143	2546639	2913892	TRUE
215677.1	240477	192379.9	214361.5	239811.9	186680.4	175730.8	221063	TRUE
1288927	1235374	938917	1219961	1290349	1048010	1254183	1393433	TRUE
2049464	1817184	1548555	1823931	2045137	1612087	1992360	2164268	TRUE
1993213	1964229	1462167	1860857	2179587	1682474	2013045	2150383	TRUE
353831.5	379442	262071.3	353069.5	377113.9	329063.5	352262.9	371274.2	TRUE
729920.4	778981.8	844713.3	1112278	1172825	960843.5	1023215	1173610	TRUE
7142.4	11642.3	6618.8	7063.5	6696.6	16051.5	20266.5	10014.7	TRUE
88077.8	89480.3	71849	93130.5	111714.6	82828.9	92803.3	102512.5	TRUE
39816.6	35323.4	27119.3	44522.3	41193.4	42160.8	30507.3	45042.3	TRUE
67700.9	140245.1	82470.6	135715.4	146941.4	55046.2	33654.7	58012.7	TRUE
48802.1	143162.4	67539	122996.9	148184.8	17537.2	13163.2	22572.2	TRUE
79494.7	68027.2	58136.4	81412.3	85730.6	73665.4	112028.6	90421.8	TRUE
67161.2	72391.2	52282.4	55694.2	72151.4	63472.8	81209.9	92444.1	TRUE
981915.2	955316.7	999168.8	1050748	900398.2	998727	1077923	953392.8	TRUE
2296404	2169551	2356420	2357978	2078747	2380537	2507002	2284576	TRUE
770848	807666.4	813284.3	797840.8	633463.9	842629.8	868928.1	806726.9	TRUE
1637748	1687170	1551388	1762253	1388378	1652881	1889513	1729476	TRUE
410601.3	456435	394182.6	450112.9	375715.6	428324.8	447990.5	449751.4	TRUE
49474.3	114076	65029.3	98887.2	71275.2	38985.7	24929.3	28388.2	TRUE
180133.8	187659.4	165646.7	190113.7	218507.2	165362.8	176799.3	178830.1	TRUE
20535255	21168786	21775222	20533060	19493024	21844043	21727318	21158954	TRUE
440922.8	468375.2	501186.3	595800.1	574946.6	506568.2	528221.5	572674.6	TRUE
614194.1	643300.3	599380	596478.8	697188.3	616926.3	655039.9	672291.9	TRUE
533420.8	484093.4	492882.1	536020.9	517672.6	454754.5	549844.6	530336.4	TRUE
2428870	2459094	2301515	2380963	2266351	2333526	2377434	2314176	TRUE

152493.7	175830.3	131687.8	132980.1	177016	139469	171617.9	188622.3	TRUE
190116.8	175525	206122.2	195388.4	393646.2	361836.6	313748.9	356551.2	TRUE
130355.5	196642.4	96860.8	188405.2	156073.6	117089.2	268225	83658.1	TRUE
97373.1	74346.8	65196.8	76167.5	73573.8	63254.4	84996.7	81819.4	TRUE
127913	107412.1	155343.9	165926.8	162671.2	165834.9	160871.3	180276.5	TRUE
68225.6	47713.6	62064.5	50472.5	49950.3	47481.6	63401.1	54178.5	TRUE
101519.5	99197.8	86199.2	97628.2	107631.7	121254	93054.5	91715.3	TRUE
695806.1	560582.7	615287.4	541014.8	619735.1	651047.3	597319.5	663630.3	TRUE
303904.6	284071.9	265019.7	330944.2	365679.9	281301.1	295913.2	320477.9	TRUE
127848.6	119928.5	168815.7	185422.5	202602.5	190726.8	182767.6	169207.7	TRUE
78310.4	69489.9	110253.4	102365.7	100889.9	99863.6	106219.9	93471.5	TRUE
44650	97425.6	70042.5	90445.5	111608.1	20642.1	32711.8	24076.7	TRUE
63958.6	44047.5	53160.2	67068.8	54047.3	55667.4	72074	55262.4	TRUE
127290.7	119102.5	133580.2	128870.1	136850.9	138997.6	130428.1	143958.4	TRUE
36771.7	35453.3	46921.6	51708	34365.6	9403.5	23057.4	10920.3	TRUE
127280.9	139761.5	94282.6	114173.2	116736.1	98255.5	133799	128341.7	TRUE
48265.4	41762.8	43017.2	33756.1	41974.9	33702.7	41617.7	48237.4	TRUE
136524	95634.4	85208.8	160285.6	126722.2	158889	154436.7	177399.8	TRUE
103536.3	102759.1	111059	120640.7	89905.1	183417.3	146388.7	123326.5	TRUE
109819.5	78012.9	67745.8	90463.7	89669.5	73883	91595.6	98546.2	TRUE
758631.9	763516.8	644523.7	804313.7	966431.6	666651.8	776109	942386	TRUE
108097.2	123443.6	91085	110233.3	132767.2	109834.6	121146.9	112993.7	TRUE
507751.2	465267	422112.3	494762.2	565978.3	441621.6	515095	572786.1	TRUE
88550.9	80772.1	74712.7	82644.7	96691.7	73170.5	91829	109841.5	TRUE
121269	107564.8	97672	89737.9	127624.8	96249.2	114136.8	96078.7	TRUE
105412	110185.4	128928.5	93386.2	109284.4	138839.7	116868.2	103714.7	TRUE
32043.2	51001.5	35953.6	27113.1	60329.5	12177.1	12490.6	8054.7	TRUE
44906.5	101165.7	46491.2	70824.9	95005.6	18048.3	14337.4	31313.4	TRUE
47680.7	37513.4	33100.9	53565.2	43062	40510.4	40553.9	48589.5	TRUE
16218.9	22153.8	24878.7	36740.8	46909.8	19178.4	6154.9	8298.9	TRUE
134164	103128.4	81224.5	115253.4	120167.4	117348.1	144600.8	158024.7	TRUE
22934.2	30570.4	18192.8	7235.8	26257.4	20870.1	26829.9	38095.3	TRUE
169816	183537.5	177448.4	157947.6	144504.8	159444.9	178043.6	156744.9	TRUE
437088	506156.4	481338.6	479555.2	372792	429631.9	488661.7	442464.3	TRUE
56232.3	40771	38453.6	47122.2	51336.4	70640.8	41970.9	66380	TRUE
25568.4	32908.7	20642.9	33037.8	12699.4	36728.7	27161.4	22805.1	TRUE
14152.3	18760	9340.9	10239	15622.9	7647.6	17837	12081.4	TRUE
201379.6	252045.8	133211.2	150344.9	186539.8	148846.3	175599.6	189843.4	TRUE
239255.4	327506.4	193322.9	222851.4	238138.5	173379.9	321463	254536.6	TRUE
3409207	3757455	3339634	4126192	5047524	3516765	4136579	4529032	TRUE
6185016	7260381	6952981	6923476	5675384	6296303	7665648	6620999	TRUE
40620.8	35462.2	51980.3	31924.7	25729	37432.2	41542	38275.1	TRUE
138029.1	120850.8	89475.9	273501.5	136801.8	89380.8	158731.5	109793.3	TRUE
88014.8	100876.1	49562.6	224680.1	94942.8	49674.7	112235.3	94460.8	TRUE
60833.2	68879.5	49976.2	58418.2	66595.9	62966.3	57738.4	74991.3	TRUE

41680.9	75949.2	36239.7	85051.4	72632.9	27455.5	45034	42181.9	TRUE
97406.6	75970.7	95971.6	94993.5	62656.9	126428.6	93831.3	142578.7	TRUE
43090.6	46596	57492.9	56202.6	42979.7	62585.4	44811.7	61795.7	TRUE
113459.9	119346.3	113233.8	65668.3	95916.2	69112	69645.1	82426.2	TRUE
92723.9	73355.8	48233.2	48645.4	52991.8	60542.2	62230	79147	TRUE
180146.1	164619.1	179553.9	129764	238125.5	182606.7	181240.6	219298.4	TRUE
294961.1	274308.4	297183.6	124003.2	399676.7	305478.2	299999.6	383440.9	TRUE

27727.4	31271.4	37170.3	40899.4	31987.2	40515.3	45691.3	29686.4	TRUE
27910.3	26611.4	24838.4	24195.2	22259.2	26294.6	35593.7	29770.6	TRUE

41609.7	35497.5	49806.7	56092.2	55156.1	48661.6	56139.3	42429.7	TRUE
27259.7	41674.3	27937	36385.5	28466.7	32764.4	26797.1	28648.2	TRUE
28563.6	26723.5	31171.7	32237.6	21600.1	33101.1	34890.3	27070.5	TRUE

219728.5	285120.7	149786.8	232528.4	203276.6	158659.1	251834.1	191191	TRUE
90239.2	113898.8	104778.9	95396.6	111375.5	122027.6	129881.8	111435.8	TRUE

38214.6	59693.2	78870.3	103613.3	106394.3	29613.8	24851.4	30145.2	TRUE
100411	109473.8	116308.2	113004.5	116982.2	96070.1	97300.1	89167.3	TRUE
58939.7	31504.5	47528.7	52793.9	50409.6	65203.2	57431.4	70149.8	TRUE
83246.6	59411.4	68002.4	76701.5	66193.5	99773.9	84996.1	105176.6	TRUE
81783.8	75830.2	67342	79544.1	94312.2	75689.8	83220.8	94567	TRUE
56201.3	51442.7	60991.8	86855.4	60930.4	53845.3	92191.5	82283.6	TRUE
509073.8	439515.6	439965.9	539289.5	444287.5	645874.4	670410.8	683771.3	TRUE
846560.4	694950.5	678541.9	1028385	944440.6	1191401	1094368	1111222	TRUE
463387.3	494081.8	407494.4	695929.5	671787.9	557542.7	590494.4	601277.4	TRUE
169198.8	152553.4	182584.2	181228.8	251618.4	251995	279695	290884.8	TRUE
410859.7	343753.1	270805.9	302815	464785.3	479273.6	418137.4	475605.3	TRUE
1212992	1026115	1080146	1027661	1575875	1271586	1135266	1255088	TRUE
177328.4	131713.2	189432.1	217647.5	184603.8	196851.1	133637	176685.9	TRUE
44451.9	47735.4	51026.3	28602.7	40752.8	38362.6	41479.2	46571.7	TRUE
56181.8	53549.2	40807.3	32521.9	55522.2	37340.4	38270.7	44683.5	TRUE
83524.5	77811.6	67186.1	86969.5	85568.5	85565	90746.1	82022	TRUE

49216.1	9500.6	26148.5	30950.1	43799.9	43938.5	47002.7	50025.5	TRUE
66331.5	48698.8	45815.8	75726.6	66643.4	76318.5	63366.9	75099.3	TRUE
48895	37069.4	42112.6	52671.6	40363.1	76220.3	38764.7	50731.7	TRUE
2763396	1684062	3115340	2949538	2749683	3346878	1886115	2591024	TRUE
693007.6	499744.1	783193.3	663664.2	653228	823701.7	532440.7	698909	TRUE
1854551	1516264	1354417	1378121	2199993	1939267	1856151	1975166	TRUE
79679.2	56085	73174	70860.2	69084.7	85976.2	39771.1	89356.6	TRUE
154862	126347.4	184977.2	173304.8	166853	191112.3	151619.7	142851.8	TRUE
95764.9	72170.3	112153.6	110654.1	74070.8	101620.2	89437.5	89490.5	TRUE
176196.5	149989.4	188848.4	188980.5	184172.3	222596.2	138828.3	174688.9	TRUE
160138.3	81175.9	170346.6	192651	143168.6	183320.1	129524.7	134576	TRUE
430197.5	308482.5	490752.7	451855.5	468864.2	506848.9	393333.4	491366.4	TRUE
687602.8	588606.1	597404.5	564188.3	890842.5	631433.9	602857.3	798079.9	TRUE
325868.5	286500.6	233344.5	271428	423680	323253.3	350985.1	383356.5	TRUE
109917.4	109073	91761.5	116415.7	135143.8	76194.6	80871	86138.5	TRUE
195823.5	181506.6	219127.7	219585.8	212899.1	184404.8	201058.3	206897.3	TRUE
45546.5	33779.2	34017.1	35902.9	37678.8	31026.2	28490.8	31876.1	TRUE
81195.7	53600	51024.1	81831.4	52922.7	66571.1	77901.3	78113.1	TRUE
238268.2	232106.5	162726.6	207754.1	242203.4	199969.6	178280.5	227457.3	TRUE
528569.1	590392.6	487665.5	557226.7	475954.7	1032706	536559.3	513160.1	TRUE
873733.6	997586.6	755462.5	858903	838545.5	1029059	937092.2	874272.4	TRUE
116590.7	85023.3	104774.4	131209	105062.5	105996.6	96705.9	108219.9	TRUE
648165.9	598377	770108.1	715390.2	607687.8	782936	639591	682317.8	TRUE
74830.1	90481.9	94209.9	115364.9	89047.5	94876.1	91959.6	90050.7	TRUE
206386.7	143898.7	153688.3	177814	140307.8	191473.5	172850.2	166377.1	TRUE
1575332	1266537	2425799	1787462	1789973	1573195	1412382	1672645	TRUE
312078.8	239826.6	326650.3	307232.1	309014.2	317433.4	241870.7	278073.6	TRUE
6338169	5731948	15943554	4648855	5811676	6240855	6291196	6507318	TRUE
77298.9	113121.3	81143.9	115084.1	93550.9	69154.9	65425.6	61631.6	TRUE
70305.5	46455.2	78898.4	67242.3	83932.9	77541.2	58922	73307.9	TRUE
1507847	1534113	1276226	1247211	1835617	1928507	1651110	1832737	TRUE
237801.6	180694.8	181733.1	203646.5	195457.3	178982.8	179246	206464.5	TRUE
467648	421606.4	403840.9	448391.9	416999.8	399802.2	399950.1	439174.7	TRUE
270489.9	265283.6	316980.7	407649.1	370534.9	320056	349564.2	335548.7	TRUE
622173.4	617471.7	670469.6	740612.3	817923.5	694412.5	775929.2	835066.8	TRUE
334788.5	299710.3	411515	535244	482458.1	479162.3	433498.2	509238.1	TRUE
697503.8	603053.8	892061.5	1078143	1069805	920591	909764.1	1064182	TRUE

34387.5	36478.8	30735.2	28306.9	50778.8	31394.1	30369.7	35976.1	TRUE
315962.8	251171.9	259802.7	302283.5	326970.9	288011.9	315298.9	328623.5	TRUE
105957.7	293250.5	182794.7	326260.3	358921	46196.2	48854.9	52178.4	TRUE
123689.5	373524.2	199609.7	364912.4	409967.5	47657.9	23249.3	56071.8	TRUE
298383.3	271407.9	307303.6	313911.4	286976.8	330638.6	319268.6	343510.1	TRUE
316752.1	305410.9	310435.1	316290.2	278617	316754.6	298216.9	307706.8	TRUE
3311578	3065129	2778854	3085376	3186874	3770180	3612440	3796757	TRUE
1792746	1741910	1692718	1690234	1724869	1998171	1922437	2148432	TRUE
170558.3	153003.9	154199	142327.3	153008.5	166409.8	162213.9	184149.3	TRUE
78711.8	231544.2	134265	233424.7	227504.2	34034.6	38963.3	38414	TRUE
55749.3	171411.4	74585.6	191636.1	192592.9	26187.5	20888.7	14008.4	TRUE

3588493	3189698	2619220	2728132	3994796	3664211	3286061	3646359	TRUE
176243.1	172989.1	199548.6	186875	187149.1	218817.6	176678.9	188938.9	TRUE
1052755	938651.2	722004.4	720803	931153.1	694613.9	668447.2	925988.4	TRUE
1037917	1099969	1069362	936432.1	1016283	1102813	1036331	1013258	TRUE
99090.6	98858.3	104597	90724.6	100458.1	110376	106083.1	109944	TRUE
135714.2	114679.6	115555.7	118253.3	120257.3	146562.6	118287.1	141040.2	TRUE
162524.5	133355.3	147197.6	147407.2	171122.8	143588.9	140636.5	142294.8	TRUE
272545.4	248898.7	230472.9	295677.3	265495.7	272763.2	256697.6	273040.6	TRUE
382280.2	306280.7	350357	449080.7	371834.4	388130.5	359686.7	416650.4	TRUE
288852.1	234619.3	253171.8	325082.1	276939	303385.5	298662.3	281788.9	TRUE
223658.3	193155.7	207233.3	264345.6	230378.7	229830.5	255161.3	262243.3	TRUE
278064	192963.7	261378.5	297081.5	296121.4	272733.1	268690.2	271844.5	TRUE
874571.2	675668.4	767049.4	953032.1	878190.5	844411.8	793843.3	858081.6	TRUE
32755.4	32210.2	29256.6	32846.9	33149.2	37529.7	37718.9	41437.6	TRUE
383435.7	334131.4	346322.9	461681.7	352446.6	383062.4	341273.6	385918.5	TRUE
1063487	886018.3	913637.5	1109942	1033585	997520.8	980874	979500.3	TRUE
141002.6	87846.8	146784.3	176864.4	145450.5	132106.2	135217.3	141566.7	TRUE
95915.5	173959.2	160450.8	154322.5	125714.5	114416.6	92554.4	102059.9	TRUE
113077.3	252680	141711.3	259403.9	262979.1	38909.9	40468.6	57718.9	TRUE
34430.5	44049.8	27845	53571	45223.2	32624.8	40773.7	40947	TRUE
50256.3	52670.4	43756.3	67508.6	65276.6	43901.3	46410.2	53874.1	TRUE
59007.5	109646.9	44957.3	65539.2	85343.5	83801.5	83696.2	92586.1	TRUE
23635.2	43670.9	22429	41399	32227.1	25440.2	38247.7	43544	TRUE
107294.9	103804.8	133054.5	95714.5	107619.9	144031.9	127877.6	149910.2	TRUE
76126.2	68877.6	50120.8	97459.4	101152.5	70758.5	88227	112740.3	TRUE
196695.5	221600.6	251664.1	217234.2	166110.4	188605.8	251350.8	221554.1	TRUE

455562	449630.2	309187	264623	249660.4	364593.3	340875.8	266944.5	TRUE
91439.3	60538.2	76978.3	42552.4	61987.6	69502.8	60350.8	52777.4	TRUE
451891.9	364434.2	514830.9	436872.2	403189	534873.9	459796.6	386517	TRUE

806412.1	654387.2	994675.2	894822	649088.6	1082148	789752.4	651816.9	TRUE
1445995	1272735	1733028	2157603	1225662	2065275	1546110	1352411	TRUE
227073.6	184653.9	226151.6	222874.5	173589.4	243594.2	224961.2	207974.4	TRUE
328804.3	229216.9	271611.3	246128.8	362916.3	270613.3	269150.2	266156.1	TRUE
791624.4	520349.8	672950.3	619828.2	995386.8	765652.8	587833.1	669529.9	TRUE
3075451	2022649	2633875	2426970	3429984	2904707	2322565	2764958	TRUE
146530.4	175744.9	162031.3	182747	263268.5	121162.3	98066.7	140585.9	TRUE
146342.8	130067.9	152219.8	250836.7	160915.7	144443	174048.4	157659	TRUE
726028.2	577337	500104.3	528044.5	540250.5	468590.7	499883.9	586353.7	TRUE
476185.9	468744	330600.7	333228.2	328931.5	323175.3	346780.6	353409.9	TRUE
649029.8	552435.1	689471.6	700433.6	653736.7	758075.9	598631.6	616288.4	TRUE
102998.1	71111	81374.7	102595.8	78352.1	107598.2	100266.1	94296.5	TRUE
1081708	1011057	1044350	1106401	1097520	1090016	1110374	1015819	TRUE
726692.8	720097.4	732603.4	682782.5	718924.9	761768.6	706544.5	742315.4	TRUE
123099.2	91362.3	94840.6	137449.2	116789.9	90840.5	86511.5	111272.6	TRUE
28133.1	14944.5	20419	42461.5	36952.9	24478	28087	42437.1	TRUE
188592.2	174057.2	224627.3	189611	197327.6	218763.9	207412.9	200155.4	TRUE
205683.2	207107.4	210621.2	249286.7	198691.2	222665.4	255698.3	233089.7	TRUE
91560.6	105366.4	119921.1	97201.6	104370.2	122070	101909.2	101697.3	TRUE
11869.5	13773.6	25106.7	9373.4	9081.2	12087.3	10909.7	29120.4	TRUE
123563	130505.9	143166	90055	117759.4	116281.9	129304.4	109111.4	TRUE
83950.1	80488.2	107235.7	82903.5	91541.2	91095	99277.4	95440.4	TRUE
188383.2	199305.8	228090.1	207218.2	217277.1	226220.1	205490.1	200002.3	TRUE
104549.5	81370.7	118950	123742.4	126738	135633.1	101539.3	123943.8	TRUE
59040.4	36872.4	49311.4	58335	71958.6	78074.2	93961	75475.6	TRUE
138382.2	102855.4	110163.9	171559.8	150552	151764.8	134323.3	168104.2	TRUE
398900.2	388942.5	297290.6	312053	365238.6	409711.4	364085.6	433811.6	TRUE
30254	24398.8	22360.2	26476.6	17545.5	42777.6	39723.6	36532.2	TRUE
80616	59571.8	44273.8	42007.4	43883.6	72902	79224.8	74398.7	TRUE
944958.9	840363.4	890297.3	921401.1	852590.8	901533.4	839742.8	784900.5	TRUE
24676	6839.2	32131.4	22930.9	30800.3	28736.1	31519.7	28839.9	TRUE
477096.2	425165.2	411133.8	404833.2	409658.4	387196.1	387999.8	378930.1	TRUE
150861.7	97330	107242.9	142711.1	119129.8	167038.1	173554	184676.6	TRUE
190558.2	169250.1	148143.1	210343.4	200543.9	252723.3	229450.6	233965.8	TRUE
189780.4	129845.8	251648.4	187794.5	544787.7	314674	169041.9	534679.9	TRUE
324458.6	265650.9	289320.8	316959.4	266485.9	318888.9	312786.3	268319.5	TRUE
553307.3	468870	410758.8	411988.7	429233.2	435701.1	478521.5	437378.4	TRUE
147845.3	150220.3	142619.3	175653.7	152458.4	156714.5	137095.6	133214	TRUE

213751.9	197932.3	222637.5	178120.4	179197.3	209790.3	204810.1	204585.3	TRUE
79944.7	74340.3	98849.4	97755.8	96535.7	119937.8	133981.1	100527.1	TRUE
39944	13978.3	40331.4	48661.8	51139.2	36553.8	43668	45151.3	TRUE
264282.7	244862.2	345709.5	354117.3	335990.9	392690.9	321108.7	362818.6	TRUE
36606.5	84543.8	59685.9	86543.8	84407.7	13769.9	24961	9360.7	TRUE
97927.1	90952.7	90174.3	82580	73740.9	87851.1	71645	63949.3	TRUE
20566.1	22374.6	25864.3	38500.9	30968.4	5664.8	26315.6	14723.3	TRUE
1445784	1290143	1338061	1395023	1410089	1337713	1316372	1321734	TRUE
404825.7	373834.3	471723.5	395612.8	413793.2	415408.3	415844.1	412982.8	TRUE
1418415	1310519	1490627	1693894	1538936	1820944	1608005	1757723	TRUE
843273.1	784244.6	800472.1	931246.9	873597.6	837503.1	863082.3	880334.7	TRUE
348583.2	284433.2	308965.4	403764	340894.8	355886	354324.9	331883.8	TRUE
270990.7	237240.6	264523	285900.4	251678.4	309755.9	283387.6	272254.3	TRUE
433965.5	435953.2	431802	449682.7	425175.9	472703.1	423885.3	426396.9	TRUE
73747	51105.7	59491.3	65957.8	73229.2	73142.8	64341.3	73642.3	TRUE
26512.2	12855.7	29567.6	11604.7	27140.2	28458.1	16503.9	26248.1	TRUE
63086.5	55011.1	53083.3	47551.6	55018.5	52428.5	68202.1	59159.8	TRUE
16814	21871.3	10564.3	11694.4	24893.1	31640.7	33700.8	28302.4	TRUE
28402.2	20915.5	11700.8	17075.4	30544.8	20581.9	14068.8	33492	TRUE
65411.2	58953.8	110532.2	95064.8	104203.7	103155.1	76364.4	138116.1	TRUE
23498.3	6410.3	27818	36127	8117.8	25091	12158	13397	TRUE
72627.9	68943.8	66763.2	68131.8	66614.7	82680.3	85177	63615.6	TRUE
17805.2	8182.3	9575.3	13137.9	9791.9	17541.5	26253.4	12651.3	TRUE
54106.7	54533.1	98161.9	42796	60097.3	55590	51255.3	60488.8	TRUE
36231.9	34416.6	37459.1	33666.4	36935.3	29102.3	31490.9	33771.2	TRUE
183818.1	154634	166881.6	172500.3	149953.4	168950.5	173819.9	167461.5	TRUE
17793.9	5899.4	20403.1	5568	9680.8	18993.6	11780.3	10204	TRUE
20438	24432.2	20025.4	10730.8	11496.4	6893.6	5985.8	6621	TRUE
53479.6	52764.3	35966	56669.7	46524.9	50895	52934.6	48154	TRUE
38371.7	36171.4	37786.4	25689.5	40501.9	37735.5	37804.4	33371.5	TRUE
105024.3	97117.9	84905.4	75141.4	85477.8	102634.7	95901.7	89031.6	TRUE
344387.2	334766.5	316262.2	500111.7	335725.6	347901.2	304318.4	316103.4	TRUE
179030.6	139042.8	210985.7	257930.8	187027.3	215285.9	193626.7	190206.1	TRUE
3517149	3520742	3322343	3744725	3580190	3967150	3788596	3954286	TRUE
771294.8	679860.6	735438.7	804296.8	760272.1	746464.4	728052.7	664423.6	TRUE
607765.3	595146.6	516844.7	627319.7	571634.4	575926.5	569358.2	659168.2	TRUE
129479.1	105617	118140.3	128289.3	107242.1	149260.9	137292	123408.8	TRUE
1419976	1170999	1351422	1413580	1490622	1340752	1254393	1438640	TRUE
3620763	3034844	3162318	3278919	3330835	3686271	3402717	3823889	TRUE
100626.6	99360.3	85844.6	84984.1	83994.8	96011	92641.9	91494.5	TRUE
47167.9	42986.2	33021.2	25995.9	26237.8	31157.2	31449.7	24438.6	TRUE
56102.4	72715.5	78965.3	51221.6	50395.6	65159.5	55066.8	53517.1	TRUE
68854.4	82062	117228.7	87437.1	81559.7	64399.7	69941.1	63195.5	TRUE
32543.3	25486.6	28671.6	45659.5	32173.4	44577	40947.3	31901.6	TRUE
109173.5	101013	73997.4	85139.6	72768.2	103919.6	121751.3	100438	TRUE
171521.6	149337.4	168965.9	190019.1	188823.2	175344.6	183016.9	210693.9	TRUE

36698.6	32610.7	39213.4	44160.6	52971.5	31191.5	39885.5	41476.1	TRUE
101916.8	98236.2	98033.7	104583.8	132784.8	109308.1	114512	102498.3	TRUE
799469.6	629107.7	671293.3	740608.5	685644.9	778158.3	830676.9	835942.2	TRUE
165629.6	184689	134878.1	177511.2	186282.7	212217.9	200226	203868.8	TRUE
20068.8	12851.5	12576.1	7670.4	18954.3	9009.3	9929.3	23669.8	TRUE
165180.1	168565.4	169860.1	178079.1	164378.5	191558.7	175192.5	153433.1	TRUE
82208.9	44661.2	73016.7	58285.4	52948.6	73992.6	65597.4	53849.2	TRUE
278299.3	212066.9	310220.5	330027	243009.2	512706.7	218120.4	451188.4	TRUE
2508992	2532324	2725319	1498780	2605647	2745482	2517805	2601903	TRUE
1274371	1161134	1274972	642366.7	1244689	1314747	1248544	1283722	TRUE
86489.1	61259	88455.6	68932.6	99683.1	92070.3	94892.7	113187	TRUE
89737.2	104001.9	108033	101117.5	87917.1	118641.5	103422.8	82028.5	TRUE
174592.5	116602.9	206987.2	159971.2	196409.2	163684	130073.8	166788.3	TRUE
2223045	2254054	2578257	2499785	2395346	2170832	2327483	2246275	TRUE
62861.3	54531.3	52354.5	57397.4	56327.3	62889.1	71527.9	60484	TRUE
1752040	1449371	1448546	1384091	1210338	1664543	1435951	1287825	TRUE
553415.1	541496.5	665245.3	539506.9	560938.4	683326.7	560220.2	641821.4	TRUE
416773.8	438249.8	530426.4	508328.3	416918.6	577824	498966.7	424917.1	TRUE
268432.2	275233.6	298768.5	287886	256289.8	315759.5	292022.1	276159.9	TRUE
61204.8	57299	68376.8	67490.3	54623.1	71595.2	62423	65831.6	TRUE
43724.3	95708.1	69618.3	94600.1	73796.8	51928.8	47362.4	44682.6	TRUE
3078787	1903519	2777643	2677746	3105498	2929115	2087073	2901025	TRUE
117200.9	98240	130862.7	101679.6	103434.3	125117.3	118336.1	100500.3	TRUE
232468.6	165673.6	248665.4	268278.2	257378.7	200004.1	189011	170107.4	TRUE
324572.1	273915.2	341112.3	306394.8	388154.4	268583.3	267575.6	272068.4	TRUE
385271.9	253813.3	308627.4	349790.1	320357.9	369275.7	317872.5	357961.5	TRUE
1929471	1288381	1279435	1534621	1234505	1502825	1455710	1750642	TRUE
2196500	1844467	2441613	2957983	2444240	2258154	2261474	2486992	TRUE
600902.2	567839.4	483442.3	452852.5	421551.1	560144.3	558625.4	426269.7	TRUE
485866.3	553324.9	415209.1	382358	421028.2	431677.9	497117.5	426395.1	TRUE
361306.2	432381.9	416469	393489.2	420243.9	437514.9	457607.8	432326.9	TRUE
131746.2	117995.7	106630.5	101074.1	120889.3	129741.4	126872.9	126707.5	TRUE
365545.1	376239.6	373835.7	306032.7	314038.1	373612	425043.8	336134.9	TRUE
1172743	923915.9	1180585	1218114	1119074	1077307	1029030	1056610	TRUE
890594.7	860214.2	1034380	1026809	933164.1	911513.3	863308.2	845749.1	TRUE
353406.7	399654.9	341480.6	369176.8	365763.4	306743.7	329014	320295.9	TRUE
137217.5	125585.2	79181.6	89208.4	88152.8	85550.4	100213.1	91405.3	TRUE
287307.4	319898.1	337830.3	298483.7	301996.1	375448.6	318307.2	283318.7	TRUE
173563.3	168200.1	209458	217965.6	181453.4	210992.9	190844.1	187256.1	TRUE
189097.9	162292.8	205982.9	219986.7	219998.2	199427.9	251128.2	204774.3	TRUE
2715660	2436674	2900802	3206499	2834910	2542958	2566602	2619254	TRUE
200575.6	183379.3	215624.8	221269.6	181461.9	225546.1	259567.2	187475.6	TRUE
315524.9	372687.9	314191.8	280848.9	266718.6	317209.6	329861.3	280436	TRUE
330178.9	319748.2	298996.9	238089.7	288511.9	309773	305483.2	283233.7	TRUE

98912.4	105637.1	101859.5	90846.4	110897.5	117749.3	109819.8	110986.2	TRUE
126821.3	151257.8	112808.4	115501.4	126029.9	144217.3	178226.1	145928.5	TRUE
95356.6	83289.3	96020.9	76870.2	98250.4	114765.3	94347.9	104890.8	TRUE
497853.4	483422.1	557657.7	601811.5	569165.9	442774.2	456744.9	422599.3	TRUE
644781.6	608284.4	773324	746535.9	757784	549622.8	630695.9	545763.9	TRUE
46109.6	40298.2	74098.3	66349.7	66337	42759.2	61979.6	36331.5	TRUE
58546.4	38647.1	44396	42533.3	63866.2	49259.8	31838.6	53278.1	TRUE
1426507	1609060	1654067	1229607	1175002	1673344	1573478	1192900	TRUE
1656528	1470961	1890030	1818933	2057488	1505005	1633368	1582483	TRUE
204740.8	190277.8	249450.7	188784.9	215237.9	239813.2	201597.2	155601.6	TRUE
224100.2	205388.9	259952.3	235046.7	264837.1	204507.8	204786.9	244017.6	TRUE
33270.4	39244.9	20612.9	55298.7	31964.1	20704.7	46371.5	22267.9	TRUE
23999	18268.9	13886	47109.1	12122.3	7697.5	42259.9	12328.9	TRUE
22639	11899.3	27662.7	11921.1	30945.3	30856.7	5656.8	27646.1	TRUE
52612.5	78998.6	49658.7	40206	55008.8	40835.1	149797.7	62697.8	TRUE
19309.5	39926	21532.5	30511.2	23722.8	16325.6	44828.5	24216.4	TRUE
46641.7	42679.1	44016.1	33218.7	20174.5	43426.4	50058.1	42892.7	TRUE
81695.9	71443.2	84990.1	98666.4	89283.7	101938.8	88775.8	96688.8	TRUE
271983.1	283237.2	301163	199480.7	189078.1	295063.2	241114.4	186718.2	TRUE
182729.1	145081.5	145966.5	186301.9	181992.4	151427	155835.4	171306.4	TRUE
75205.9	62845.8	72476.8	94569.4	64757.6	84037.6	49850.2	88494.9	TRUE
246400.9	254211.1	223104.8	124602	146753.3	242110.5	202076.4	155561	TRUE
234710.9	206576	273250.9	202743.8	212223	271774.5	253001.4	233834.2	TRUE
252924.6	276824.5	314742.1	243104.3	206890.7	339762	323707.6	200029	TRUE
258144.5	341136.3	276327.3	289311.6	301933.4	304451.9	322719.9	281477	TRUE
384061.1	465362.4	511288.2	310446.3	295046.8	519264.2	490069	316858.1	TRUE
209344.6	177216	281312.3	269808	302130.4	237502.2	194543.5	224503.3	TRUE
1082125	904369.7	1115782	1134269	1145252	1064697	1449212	1031477	TRUE
27353.1	14352.3	30925	6486.7	24186.7	30985.2	42014.2	30958.1	TRUE
226993.8	213145.4	319602.4	309668.4	218335.4	199004.2	234532.3	226705.2	TRUE
555129	407869	570403.7	631328.4	635216.5	560671.4	493516.9	594042.8	TRUE
340357.6	240243.1	353090.3	414924.6	383901	365146.8	297818.2	377515.1	TRUE
503487	646354.9	671574.8	400547.8	460780.7	681740.8	672391.5	450809.9	TRUE
793802.9	898772.4	894804.6	658148.5	614120.4	997056.5	967015.9	689225.1	TRUE
702266.1	542557	759501.5	824221	877598.7	797925.1	704599.2	826059.8	TRUE
34329.8	32394.4	32740.8	33695	41989	42246.7	24991.9	40245.2	TRUE
141079.1	169982.5	128246.3	215433.1	216022.5	81939	77365.3	92333.9	TRUE
92999.2	201608.9	135980.4	249579.7	276632.9	30368.3	10825.3	32628.9	TRUE
27064.6	42191	40589.2	40364	44131.6	24578.7	32800	35829.8	TRUE

54579.1	26011.6	44696.3	35380.8	46341.7	44452.8	53330.6	44184.4	TRUE
99423.7	85218.6	95342.9	100916.4	98103.9	104384.9	87403.3	97875.1	TRUE
1261112	1302416	1006141	1101186	1286440	1493222	1415376	1484829	TRUE
1663256	1240202	1865747	1866474	2042725	1398955	1264342	1409433	TRUE
45992.7	42635	31999.6	40112.2	48315.3	59147.1	42095.5	60475.4	TRUE
129038.9	154186.1	98806.9	138232	152829.4	188115.4	151956.9	169946.3	TRUE
181234.6	187864.7	133221.6	138844.8	177359.9	219746	189975.5	184872.5	TRUE
121633.7	115245.8	82954.8	95079.8	108088.5	122240.5	108065	129174.2	TRUE
216777.4	228757.7	167361.8	177985.6	205381.4	265766.8	241043.7	231527	TRUE
154964.7	148077	123726	118452	143368.9	168561.2	162174.5	176367.5	TRUE
200183.8	187311.4	121806.3	165150.8	184538.2	251251.7	210606.5	244773.7	TRUE
85209.6	109061.6	79142.1	74521.7	92999.1	121658.9	109186.7	108627.7	TRUE
123533	125204.4	101323.9	91358.7	99143	152087.9	133369.7	128421.8	TRUE
67532.1	91415.7	57502.6	81951.3	83048.8	92275.9	73969.9	93992.1	TRUE
75495.3	91553.6	68616.6	76191.5	72590.7	92225.5	82582.7	109505	TRUE
82788.6	83252.3	68439.2	78772.5	66639.1	106117.2	80956.5	93495.4	TRUE
109454.6	107643.3	91621.3	87143.1	104672.3	124877.5	123337.2	126444.7	TRUE
82595.6	85490.7	53023	61612.4	87233.8	90740.7	76067.1	95702.8	TRUE
49121.6	38392.7	32203.9	39279.3	36917.1	46208.8	35015.2	50854.3	TRUE
86958.5	131033.3	102194.2	95107.3	127055.8	93874.7	65056.1	96539.5	TRUE
49567.1	44207.2	40023.8	44557.1	54461.8	45435.1	51601.3	39332.4	TRUE
129294.6	106864.2	92957.7	89512.5	112714.9	116120.2	115157	99466	TRUE
279989.5	270404.1	387089.1	281485	218246.2	434630.1	380863.8	247221	TRUE
443192.6	471881.8	586675.1	396477.5	390567.2	588092.4	548347.4	385881.2	TRUE
333918.1	391639	407254.4	321254.6	292408.8	429406.5	399546.3	284979.8	TRUE
452730.9	330142.9	567159.8	535355.9	616958.2	406365.8	348067.6	405464.9	TRUE
468269.3	354729.8	600511.8	589232.3	633758.5	414925.6	372355.8	388996.8	TRUE
883465.1	1014183	1192408	677623.5	741056.5	1340676	1037093	741077.2	TRUE
63144.2	53085.1	46906.6	49283.8	39130.6	61340.9	45218	42897.2	TRUE
76851.4	81124.1	120419	58485.7	60447.4	123360.4	84180.1	83040.5	TRUE
58179.1	67094.4	89424.1	41470.3	64017.8	85520.6	75208.7	59280.4	TRUE
11083.3	5350.1	17579.5	10868.6	22048.9	9940	14396.1	11764.5	TRUE
189482	182821.5	205843.7	144726.9	173513.9	203228.4	184726	164617.7	TRUE
289047.3	254798.7	316510.2	383139.3	396373.5	245988	296268	245402.1	TRUE
324472.7	297701.7	326052.2	329229.7	421194.5	227660.8	311593	262093.5	TRUE
65523.7	58790.5	91361.9	75940.6	61925.8	95901.4	78877.5	39410.9	TRUE
62736.2	58950.2	82822.2	50419.2	42639.7	98356.5	79457.9	60064.4	TRUE
161208.8	110663.5	139796.7	136149.2	228838.4	118541.3	104632.5	131920.5	TRUE
401021.5	368270.3	462721	422293.7	499916.5	346352.7	381698.4	435776	TRUE
37891.7	46584.5	46838.4	26651.2	40676.5	58373.4	40568.1	38805.1	TRUE
162438.4	207787.2	157978.6	140005.9	144563.3	150877.5	195608.8	177597.8	TRUE
50857.8	70272.8	39574.1	44860.4	37085.3	40617.6	58806	39619.6	TRUE
51664.3	65601.3	60711.4	44992.9	61573.6	69047.8	76719	53876.8	TRUE
33471.9	46164.3	33702.9	30321.9	35147.2	38649.6	55644.4	33741.2	TRUE
89228.9	96042.4	127481	110777.4	96745.2	95390.9	101841.1	108446.6	TRUE
77097.5	76611.2	103039.9	109669.4	80174.2	51978	73060.5	82742.8	TRUE
82887.1	60370	110267.1	100630.1	113529.8	80962.3	76834.5	73281.8	TRUE
2445806	1796253	2360008	2323508	2709393	2648364	2021096	2590990	TRUE
321787.9	257707.7	259131.7	265428.3	243681.6	267014.5	252768	213814.7	TRUE
180131.3	176041.8	157141.1	172863.3	138453.4	179822.5	169463.3	158323.2	TRUE

448373.9	393966.4	296787.8	388342.5	290678.2	355853.1	334491.2	328938	TRUE
392231.1	277977.9	236926.4	286164.1	242863.4	269604.4	257569.2	267464.9	TRUE
161063.6	153304.8	166939.8	175206	160757.7	174298.1	156208.2	152373.6	TRUE
64341.3	59463	62884.6	91792.3	82402.5	45877.9	47181.6	51573.8	TRUE
360644.5	362914.9	294493.6	343242.5	332597.8	331215.4	249137.6	349882.6	TRUE
351421.3	312223.8	372513.2	345828.8	355638.5	372614.1	304891.4	383335.3	TRUE
504965.9	425625.7	434883.6	473649.2	465892.6	574710.3	418120.7	596731.3	TRUE
209106	185936.9	164130.6	195629.7	172298.8	211488	186529.3	239224.5	TRUE
107505.1	99268.2	94108.7	78903.3	99690.2	112546.4	103826	131366.3	TRUE
42627.2	42978.3	41227.6	42996.1	54291.7	27263.1	49044.1	53515.5	TRUE
67086.6	49433.8	67944.5	75493.8	62595.1	76030.5	88378.2	83784.4	TRUE
95195.5	88436.7	85252.4	121537.1	92272.8	84168.5	88816.5	88751.8	TRUE
244477.4	223011.7	224552	296362	217833.2	218226.2	241660.3	199505.5	TRUE
525463	536106.1	476001.5	626545.8	497560.3	496246.9	519167.7	484040.4	TRUE
318664.2	262987.5	360917	341197.5	288081.2	369466.3	298832.9	345670.8	TRUE
493950.6	441826.7	501574	572005.9	484197.7	511830.7	440208.2	506786.9	TRUE
38577.1	14188.1	32970.4	47317.1	28021.8	35631.4	34068.8	28498.8	TRUE
68256.6	50806	48823.5	64944.1	47090.4	55281.2	60233.2	45735.1	TRUE
45879.6	86496.4	74752.1	51357.3	67436.4	50862.8	35214.5	64850.4	TRUE
19878.6	26152.5	15350.8	10421.7	8524.5	25365.1	32788	13876	TRUE
35034.2	13300.9	19312.9	32003.6	13439.2	25800.7	34130.8	9622.1	TRUE
31096.9	22921.2	19178.3	25700.8	18965.5	39413.5	38930	23930.5	TRUE
92860.8	60339.7	86357.4	86127.6	65853	96996.4	77144	73719.7	TRUE
332515.5	316890.9	277482.2	275671.2	250422.4	318287.3	261457.4	235042.4	TRUE
709098.4	517507.2	670039.4	682436.6	706235.5	644055.5	538730.3	689263.5	TRUE
163442.2	73028.3	128382.9	120339.1	165176.9	142623.9	96135.7	120589.5	TRUE
208099	226564	174994.1	236139.1	162831.4	201250.6	193628.3	185933.4	TRUE
750335.6	594509	767873.2	758235.1	750367.1	879990.9	572974.2	814476.6	TRUE
589300.3	541503.2	674718.7	663601.3	584379.7	639824.8	518913.6	636992.5	TRUE
76382.5	64823.7	66829.3	52993.5	59842.8	86715.8	68152.1	54998.4	TRUE
174746.8	180256.8	206219.9	142024.7	156155	201409.8	203080.3	161183.5	TRUE
604031.8	557371.8	630372.4	605419.7	510688	664120	611815.2	497015.2	TRUE
185786.1	132210.9	177800.2	197109.4	204641.5	175898.8	154784.6	212940.8	TRUE
72290.3	53066.4	58937.2	64179.6	48747.5	53407.5	47066.7	46484.7	TRUE
153348.8	167677.1	122955.3	139568.4	111101.9	126550.6	145881.8	116601.2	TRUE
166493.9	196517	160850.2	201982.1	152073.9	175828.8	183216.3	143700.6	TRUE
274287.1	241182.6	280279.9	308148.4	236405.3	321615.3	253150.4	219586.1	TRUE
127516.3	78756.3	155089.9	135397.6	157998.6	156244.3	125069.1	152351.7	TRUE
73476	99568.4	77177.1	94074.8	104269.8	78640.3	67597.4	81146	TRUE
128768.9	118910.2	140422.1	163924.8	138014	132710.1	140722.5	150411.2	TRUE
46845.3	46720.6	42357.3	50878.3	44521.4	37482	51345.8	39808.1	TRUE
16251.6	32616.8	43580.9	25932.5	28446.3	15332.9	9277.3	10411	TRUE
34303.8	32296.4	20101.3	27865.8	41387.9	37292.5	53586.4	36316.9	TRUE

24842.1	17807	20546.7	36139	23961.5	26624.2	43540	35706.9	TRUE
21150.4	5359.5	15160.4	10523.6	8560.7	21902.5	31952.4	13215.1	TRUE
110903.6	109736.9	90977.7	99828.7	109321.2	114143.2	139305.4	148110.4	TRUE
96919.7	110364.6	83672.7	114701.5	89800	116662.6	136039.6	103017	TRUE
209474.9	184667.8	180256.1	221628.6	225242.3	191637.7	177765.3	214912.7	TRUE
115697	108848.7	112801.8	113426.8	103776.8	126143	124759.6	132671.8	TRUE
156804.8	115858.2	126494.8	156338	115498.7	212430.4	151871.9	170844.4	TRUE
32117.9	8813.9	24362.5	17883.8	9858.6	24902.1	11898.9	14973.4	TRUE
351576.6	247397.3	365613.2	349848.2	367717	354212.7	307378.6	382328.1	TRUE
62990.1	74300.2	75797.4	80232.4	87070.8	78137.8	74524.4	84682.9	TRUE
38285.8	44153.1	51455.8	58026.4	53467.4	82665.1	54261.4	53220.7	TRUE
545139.3	476372.8	557917.1	530185.5	543227.9	629506.2	464477.3	620400.7	TRUE
116321.5	98564.6	131114.6	128056.8	140475.1	82318.4	63360.9	84764.1	TRUE
67634	98844.2	83684	120102.3	114840.9	38105.4	34765.7	32498.6	TRUE
39360.3	39028	25049.8	39739.4	34674.3	35241.4	35766.5	53234.7	TRUE
254957.9	208676	206716.6	256288.8	237467.8	302257.6	247666.8	295260.5	TRUE
295458.9	333681.5	343018.8	307102.8	264036.7	316096	302379.8	197911	TRUE
1649246	1257445	2015362	1842993	1850080	1714049	1337991	1746413	TRUE
397688	373223.9	395456	337443	328073.5	341389.6	367000.7	317398.9	TRUE
1305090	1005187	1245505	1200482	1268833	1307450	1152859	1314837	TRUE
215535.2	194412.5	245396.3	252990.6	323754.8	233663.7	273401.9	252273.4	TRUE
165177.1	201390.5	181186.6	164993.5	186443.4	192150.1	208851.7	186023.5	TRUE
159080.6	158632	134806.2	171952.2	148184.2	163343	170387	168634.8	TRUE
157423.1	146970.6	154898	178335.3	169455	153640.9	161816.6	184133.2	TRUE
131691	115899.2	148066.7	158808.7	190370.1	149688.8	162618.3	182401.6	TRUE
47065	74204.5	52514.2	62014.4	76173.3	63700.1	78676.2	62509.1	TRUE
170672.3	177513.4	137833.1	182049.5	177814.6	116738.7	130283.1	130486.8	TRUE
389014	312116.7	428102	434005.7	372460.2	436078	410531.6	401647.3	TRUE
319953.1	310776	318769.2	379928.8	320878.8	379655	374202	355315.1	TRUE
19690.5	20218.6	11251.9	10167.6	21444.7	26203.6	10227.3	20007.3	TRUE
138981.1	114925.1	127489.2	165097.4	155108.7	121789	99601.9	114168.8	TRUE
83406.2	67689.1	96162.6	95950.2	84250.7	87168.5	60716.5	84137.8	TRUE
20348.2	6317.5	18369.2	19529.7	15573.6	17803.6	10838.8	20007.7	TRUE
36541.4	43472	33250.2	40226.7	47517.2	32791.3	39386.6	44469	TRUE
78360.1	67033.7	82165.9	67903.7	58953.9	76274.6	79830.8	68465.3	TRUE
72675.3	81599.7	68220.4	84479.5	65101.2	73718	75601.8	64386.3	TRUE
538522.3	485998.3	548380.6	530266.2	537377.6	574787.3	430338.8	672627.2	TRUE
168104.2	165759.3	163489.2	193474.1	179208	234893.2	199863.9	221306.1	TRUE
28631.9	26476.5	6490.7	28277.1	24735.5	24031.3	37761.6	13317.2	TRUE
13288	8360.3	16368.1	5326.7	14699.5	16259.8	8782	9530.6	TRUE
461722.9	481204.7	420967	437647.2	340875.3	456804	423013.9	338857	TRUE
888391.1	1011255	1046131	841652	623853.1	1000672	1080458	654976.3	TRUE
705144.5	592992.5	757882.7	800400.9	734592.3	729105.5	592214.9	717175	TRUE

1165280	1055975	1278943	1282623	1335272	1104672	982416.5	1193119	TRUE
166179.8	154564	198114.3	156117	111315	185012.6	181077.4	130868	TRUE
115958.4	95780.8	103780	93529.5	97424.1	141083.4	136756	122980	TRUE
90971.7	68904.1	95388.8	76530	74911.6	89398.1	71896.9	99629.9	TRUE
55665.9	69403.7	70078.2	75366.9	65949.8	73050.4	60297.6	55190.7	TRUE
1706559	1903617	1745068	1820087	1461052	1818401	1957054	1523266	TRUE
66794.2	89797.2	61695.3	69814	58985.6	68796.6	86720.5	64153	TRUE
129604.3	80765.6	89383.9	119697.4	96871.7	117073.3	80119.8	122746	TRUE
66187.6	93168.2	84786.9	55902.1	58343.2	81746.5	76414.6	66111.2	TRUE
313445.9	267920.2	348083.5	348735.4	320925.7	297155.5	312918.4	276800	TRUE
319522.8	278504.5	355111.3	369343	335362.4	292531.9	306343.9	291595	TRUE
455178	413590.1	482589.2	474539.7	456364.8	383525.3	409779.4	402158.9	TRUE
434565	561499.6	357097.3	472585.6	632881.9	344973.3	483928.3	577550.1	TRUE
179056.7	226504.8	231447.6	226702.9	162810.7	239716.3	234905.5	250103.6	TRUE
92915.8	114993.4	95411.7	94520.9	60484.9	67681.9	103680.3	92927.5	TRUE
164092.2	147559.3	130695.9	212369.6	119158.6	178260.4	186393.2	183212.2	TRUE
152357.7	185755.6	224363.5	240395.8	168901.4	176480.7	248301.3	190605.4	TRUE
188702	222095.2	156463	209503.6	192037.5	169339.6	209121.6	202565.8	TRUE
147898.5	196472.3	148002.3	154675.8	130397.5	120473.5	160142.9	127047.3	TRUE
11226.7	10187.2	6478.3	7531.7	14013.6	18558.3	12489.9	14678.9	TRUE
119091.9	122975	103420.5	132508.1	118254.6	123491.4	92060.2	120266.9	TRUE
52620	55584.3	40809.1	43282	42042.8	49742.2	40069.8	49232.8	TRUE
94809.7	86752.3	96310.8	71661.6	108830.2	92936.2	101988.4	106962.1	TRUE
32896	14118.2	42531	47969.5	50296.4	35517.9	32851.9	40142.8	TRUE
38918	27287.5	23138.3	29900.1	28481.5	32179.4	33780.8	42807.3	TRUE

48598.3	54662.1	46297.6	50974.2	58902.2	52669.6	43768.9	37153.4	TRUE
33821.7	28780.6	30669.7	36534.2	32516.8	36477	46598.4	37352.1	TRUE
28985.6	10742.5	23790.9	43902.4	26812.4	36474.9	38066	30940	TRUE
361338.7	372529.4	349745	408021	328775.9	365982.4	356322.3	371738	TRUE
73019.8	66033	55985.1	71886.8	85066.7	64042.8	90147.1	99984.6	TRUE
249815.5	234476.3	224014.2	252881.4	250765.6	251428.7	254424.5	261088.7	TRUE
168863.5	194906.2	192933	168474	203445.1	180188.1	197532.2	183266.5	TRUE
41040.6	46563.1	28782.6	45566	39376.8	38400.9	58692.4	65743.1	TRUE
148949.1	181317.7	154346.7	147863.7	159832.2	123904.5	144801.8	156701	TRUE
45487.7	68455.1	45519.2	50072.3	66867.5	43422.2	51658.6	48071.8	TRUE
120567.5	166064.1	142878.8	134549	186212.8	113012.3	125194.7	125593.7	TRUE
269389.5	283960.1	176901.8	345004.6	286728.5	217954.7	301033.3	325162.1	TRUE
32713.4	37766.8	5134.5	34776	28558.7	9786.7	36206.7	34301.2	TRUE
147260.7	103011.1	64122.9	137869.1	146257.7	147479.7	156515	185802.4	TRUE
396790.8	346116.2	208279.8	381335.5	382656.4	363336.5	440339.1	518867.8	TRUE
147361.3	104776.6	118241.6	151588.7	117244.5	118174.3	171066.3	151535.3	TRUE
21289.1	36292.4	25412.2	30013.8	42524.5	6992.8	27833	30698.3	TRUE
183967.4	221678.7	154422.2	186126.1	160820.5	168152.5	243923.6	208680.7	TRUE
371995	376875.4	260780.7	289748	373185.9	276218.6	341619.6	403061.7	TRUE
195294.2	173966.9	201712.1	265322.9	316449	246625.2	301497.2	306213.7	TRUE
173109.5	173073	189355.9	186302.3	157600.4	168927.2	203705.9	178345.7	TRUE
50382.1	39631	56449.4	25318.4	34402.1	82191.3	53899.1	44393.9	TRUE
70356.1	82945.2	63728.1	77679.4	96027.6	72190.4	71795.6	80395.2	TRUE
59701	68762.7	59304.8	56083.6	62920.3	47974.5	51243	66101.6	TRUE
130191.1	113901.5	108745	154195.5	148109.8	108934.2	132350.2	146470.4	TRUE
63841.8	75899.5	40170.2	71082.1	70501.5	50054.4	70178.9	66724.8	TRUE
221252.6	216677	150605.8	200538.2	258120.2	151180.7	208893.1	253989.9	TRUE
88534.4	81590.7	57067	97442.9	93632	56057.9	75695.5	90428	TRUE
121771.9	118777.9	86623.6	110322.6	137266	84620	119977.4	149661.9	TRUE
58200.2	48212.1	43973.5	74021.7	68949.4	53728	57178.2	74433.9	TRUE
148260.9	190128.7	118597.9	216669	233278.7	101208	176936.9	283588.9	TRUE
8539.6	12310.8	9163.5	9078.6	9880.8	19472.1	8794.2	10725.8	TRUE
43606.9	48706.5	32473.5	60234.8	34174.5	35618.5	60100.9	51911.6	TRUE
608523.1	723674.1	569096.8	613351.3	498087.1	654852	664044.6	654440	TRUE
56013.5	51362.3	46688.2	55533.2	58021.5	51103.9	58439	82026.2	TRUE
197528.2	174982.9	111646.1	191245.4	206792.7	196342.8	208718.1	248997.8	TRUE
130564.4	103825.4	86570.4	104679.7	104207.2	118227.3	136878.6	143430.6	TRUE
170144.6	179677.1	114635	148300.6	136605.4	129440.4	120611.4	126109.2	TRUE
90625	103651.4	55065.8	79084.3	93283.5	58220.7	75805.5	97397.2	TRUE
423652	410205.7	286348.9	492206.7	408827	296111.3	397225.7	435393.8	TRUE
407624	387089.7	353160.7	472944.2	468372.6	391655.4	495923.8	497466.9	TRUE
79534.1	71816.7	72754.1	124818.9	121867.2	69679.5	101668.4	128824.1	TRUE
67990.4	63310.4	54134.1	67244.6	56772.9	49817.9	74700.2	70108.3	TRUE

82797	79781.4	71160.9	79544.4	89326.1	134373.9	84558.2	88601.2	TRUE
123049.1	119383	135092.1	130789.2	86614.4	136652.6	113281.8	117958.8	TRUE
95335.7	71675.3	95709.9	88228.9	95351.7	86791.7	89509.8	103430.4	TRUE
593812.9	528655.4	479434.8	671958.5	756002.4	525927.8	582122.4	712710.9	TRUE
436085	370864.9	329607.4	400346.9	368191	372606.2	366683	397313.5	TRUE
446014.3	438853	393707	585756.5	522822.1	390067.9	400398.5	482199.3	TRUE
128684.2	144277.1	146068.3	133346.1	171268.5	132473.2	134759.6	147733.9	TRUE
52000.3	64972	61113.8	50037.8	54274.6	50651.5	49602.9	69143.6	TRUE
555201.3	512283	478039.1	553098	496778.4	562810.3	552951.4	586290	TRUE
979105.9	899530.3	782842.3	1503750	1451619	1010324	894286.2	1022699	TRUE
178854	146516.8	166073.8	171462.5	164976.4	178943.3	179019.1	194815	TRUE
64100.6	52945.7	55949.1	62598.4	59444.7	66251.4	74678.7	87153.9	TRUE
50605	66361.4	60586.7	63062.6	56673.7	78064	67286.7	74779.6	TRUE
654682.1	571382.7	536361.9	684879.6	676998.3	538520	607365.7	649630.6	TRUE
2004625	2025734	1775765	1865977	1500820	2168951	2097816	1969418	TRUE
553056.7	489421	371969.3	445693.9	527027.9	401674.5	468889.4	510102.5	TRUE
37427.4	38807.5	27406.8	37586.7	38518.5	40770.7	48152	41857.3	TRUE
145562.5	109577.2	144017	142261.9	113540.4	138283.5	172274	123800.2	TRUE
52954.4	74578.8	45658.4	60982.6	90048.4	54436.3	58881.5	62623.1	TRUE
37307.6	34632.4	22349.9	37758.7	26891.7	28110.2	41760.3	37121.5	TRUE
497366.7	479941.8	504050.2	463917.2	487616.1	520851.5	483802.5	456337.7	TRUE
1098677	1099015	997295.9	976089.1	890933.1	1126350	1203693	1099266	TRUE
239256.2	201180.2	216448.1	218255.6	188846.4	218244.6	225869.2	233525.4	TRUE
93702.8	82710.5	93866.8	116455.4	94636.2	85475.4	104810.7	110335.3	TRUE
172478.8	150927.1	111243.2	139329.3	154060.3	139133	126777	153154.9	TRUE
161053.6	134742.5	167122.2	214406.5	229907.9	190571.9	196182.6	253074.4	TRUE
699599	659997.7	714690.7	744588.8	628453.1	754426.3	718613.1	714768.9	TRUE
72374.2	57746	52811.2	60788.9	55780.7	66463.8	61455.2	54269.8	TRUE
107319.2	131909.6	81455.9	101185.9	73902	83458.4	116543.5	79867.1	TRUE
85147.6	70293.9	74359.9	101805.7	81394.6	101759.3	108566.6	102119.3	TRUE
32821.4	27723.5	24495	24192.8	24277.9	38027.1	27928.1	37567.6	TRUE
260797.1	232439.7	175144.2	233363.5	200761.6	278265.6	276689.9	268724.7	TRUE
59937.1	48589.4	42718.4	60486.5	47849	74995.9	63799.8	74581.2	TRUE
105208.9	140202.6	124702.9	159567.2	95586.1	153816.1	147341.7	109253	TRUE
142098.3	121869.6	106819.1	126053.6	113940.2	150877.1	149079.5	117338.2	TRUE
156369	178306.5	194615.3	194847.7	255449.3	124737.9	136426.5	148827.9	TRUE
2580456	2269983	2795667	3062100	2119286	2987371	2899203	2319871	TRUE
78026.9	71901.2	73750	79924	93693.5	70020.4	96434.8	87867	TRUE
78236.6	69632.8	67595.8	79250.5	72245.3	72834.6	93047.9	84266.7	TRUE

38598.9	38591	21876.7	21897.7	18127.6	24459.6	19355.4	18782.1	TRUE
94383.9	76297.7	98046.1	92353.3	77763.4	113201.5	92603.4	107739.1	TRUE
81116.4	81522.2	89221.4	93598.2	100969.9	93572.9	101451.5	94535.7	TRUE
93033.4	90636.4	177971.4	103953.6	93004.4	65725.3	97052	121776.3	TRUE
249374.9	283268.4	116913.9	330565	308178.8	170092.9	316030.7	363323.9	TRUE
79176	74060.9	43727.2	107375.1	80816	75530.6	110744.2	100222.4	TRUE
66500.4	60218.9	75875	100537.5	53568.9	114722.3	90477.3	101651.9	TRUE
1306953	1072935	803538.1	1199388	641442.7	1292190	1250858	1229381	TRUE
62122.1	53647.8	42479	42023.9	31729.4	39239.2	45975.7	34925.9	TRUE
148098.6	138717.9	128933.3	138863.4	152656.3	141398	133021.4	123899.3	TRUE
594882.5	574601.1	574354.5	578853.1	453024.7	533504.9	568111.3	521119.1	TRUE
500849	419014	418031.1	506226.4	484894.7	447093.2	504198.8	496478.2	TRUE
1589341	1599991	1479798	1650997	1549197	1581276	1851853	1643363	TRUE
35737.7	62080.4	39470.7	57804.8	40751.2	39902.3	42461.6	49686.9	TRUE
10790.2	15845.7	33344.6	38021.8	39785.6	18624.9	13872.2	10852.1	TRUE
47547	101797.6	65366.6	90519.1	77120.4	38670.4	57878.6	43270.9	TRUE
41598.1	36576.6	30389.3	31582.8	37272.8	37674.5	29000.4	37477.6	TRUE
144755.8	144721.4	155216.5	164654.8	180714.3	182822.1	124054.8	177438.7	TRUE
337274.4	300254	234307	186556.8	187391	217686.8	214615.5	207975.7	TRUE
389037.6	372027.5	424123.8	438308.7	359066	445012.8	404630.9	336359.7	TRUE
486443.6	503128.6	491911.8	521238.3	420485.9	534563	461901.4	423026.8	TRUE
147400.2	117187.7	109707.1	128357.4	112879.8	126035.3	136573.7	125944.2	TRUE
925570.2	711349.8	890023.8	819944	932316.1	876133.2	779391.3	789137.6	TRUE
1530244	1208685	1472928	1520412	1407812	1538931	1225505	1431875	TRUE
63697.7	38469.5	38072.1	60869.7	43945.9	70999.8	63919.6	74214.1	TRUE
361718	286681.2	342530	279270.5	208852.2	527918.5	390218.1	299887.1	TRUE
139175.1	82324.8	120608.4	131086.1	109839.5	127935.1	121348.2	155278.5	TRUE
627901.4	390734.1	616695.9	644070.7	909353.3	587121.3	534792.8	663353.3	TRUE
212808.5	222232.7	148598.6	145681.4	141047.1	154142.4	181988.3	136409.4	TRUE
280674.7	275221.1	263836.8	282144.5	232411.6	277313.8	273601.8	209793.2	TRUE
567705	586630.3	514444.5	535695.9	451347.6	524423.5	607397.2	461884.4	TRUE
378303.9	304352.2	436019.3	394696.6	375160.8	381784.5	338606.9	335046.9	TRUE
41610.7	42432.6	38941.2	49594.4	27280	53150.3	42542	34894.2	TRUE
124836.7	123935.7	130800.4	127379.5	105904.2	146360.3	136734.3	121526	TRUE
124419.6	134914.2	129246.8	152654.5	159825	123696.6	166617.8	184003.3	TRUE
13512.2	32501.9	30937.5	9737.2	7816.3	36391.8	34651.7	26929.8	TRUE
35045.5	44872.4	47634.4	34790.3	20757.3	5694.3	59192.9	41194.1	TRUE
37406.4	61870.3	58741	63625.3	48389.2	51025.7	48639.2	54334.3	TRUE
51038.6	48956.4	56629.6	65151.7	74000.4	79642.2	86610.2	41917.1	TRUE
80459.8	70624.9	105130.4	62296.3	71416.3	74300.2	64128.3	65161.5	TRUE
101985.1	72131	87840	101786	95788.2	108803.4	102651.5	89666.6	TRUE
69349.1	45515.6	88718.9	69031.8	82364.3	116723.6	99162.5	75371.4	TRUE
48475.5	38338.3	50053.6	53192.9	43963.3	46709.5	54921.6	40704.3	TRUE
21319.8	28926	32569.8	10080.4	30207.4	18739.5	12314.7	6060.6	TRUE

55416.5	63320.8	46644.9	67103.9	55332.8	59927.5	72934.4	70383	TRUE
29802.2	19950.5	25408.5	5135.9	23461.5	20484.1	31839.9	11082	TRUE
195535.3	194598.7	184379.6	205129.9	157666.2	163723.2	213931.7	190798.7	TRUE
169036.1	191773.2	170368.4	193219.5	171857.2	159071.8	210859.5	209858.6	TRUE
21134.1	16946.2	19935.9	38632	24072.5	21739.2	28490.8	12068.2	TRUE
87946.6	91777.4	110820.6	91860.7	96746.5	92953.3	93168.7	96326.5	TRUE
81953	65433	60231.7	53293.3	48877	80518.3	82000.4	66792.3	TRUE
203070.1	157843.7	150625.7	200295.4	162850.5	189184.2	181346.4	170841.4	TRUE
290457.7	212402.1	213123.1	270930	229584.7	323828.2	281044.5	352702.7	TRUE
200624.9	227206.3	221499.1	218700.8	230970.4	222064.5	203040.1	232492.1	TRUE
354348.7	311297.4	300108.4	304770.4	344231.7	300104.3	340598.3	381571.6	TRUE
47458	42221.6	40212.5	42703.9	34310.8	38406.6	34235.7	44200.1	TRUE
1039959	872028.5	686172.5	773147.2	904452	755693.9	948532	964230.6	TRUE
54964.6	65300.5	78186	87538.3	82358.6	95166	88703.6	86170.3	TRUE
85651.4	57070.7	87696	104845.6	109890.1	81861	86887.3	109192.2	TRUE
190602.1	185429.5	230631.2	261534.2	292591.3	250649.4	253825.5	275632.1	TRUE
16955.6	23442.2	30634	24934.1	27327.2	20434.9	9557.6	16280.6	TRUE
29788.1	45415.2	28576.2	41709.6	23887.8	33331.6	32723.3	41093.4	TRUE
9338	7682.3	6073.6	7994.4	6782.2	6515.8	8041.8	11283.9	TRUE
404236.4	365393.3	338446.6	355105.5	330415.4	307242.8	346580.4	299119.4	TRUE
2710115	2549651	1848042	2218115	2205269	1848369	2227085	2199027	TRUE
170509	154934	95944	85231.1	123157.2	81920	119361.9	94660.7	TRUE
301374.5	298687.8	184608.6	190865	239707.4	177496.3	206548.6	238654.1	TRUE
159936.8	147366.7	174247.6	185253.8	206643.7	142831.9	179287	166172.2	TRUE
206782.8	194662.7	193468.7	188306.7	236001.1	191808.1	200549.7	202419.3	TRUE
149911.4	148442.5	130004.2	148555.2	155594.5	119153.2	184938.4	169098.6	TRUE
206391.6	206554.5	180512.3	221117.4	229569.5	189466	228301.9	213647.5	TRUE
64817.5	157423.2	64759.6	112725.1	124206.3	43865.1	44363.1	49000.5	TRUE
512390.6	529078	548912.6	573418.7	406932	571375.7	581523	508734.9	TRUE
2059242	2024564	2309579	2303522	1700304	2185667	2447980	2273191	TRUE
415651	370077.1	443934.3	403203.4	407702.3	371481	409471.8	410035	TRUE
63381.2	157278.9	113158.1	139260.3	112688.6	40312.7	52183.1	44900.4	TRUE
50381.2	70688.1	59931.6	76619.4	77963.4	49080.7	35900.2	49545.6	TRUE
15269.7	8021.8	12929.2	18154.3	18960.8	6990.6	20197.4	20747.1	TRUE
894092	870062.7	715664.3	954922	1231285	720601.3	1147421	1151263	TRUE

50367.2	50076.5	54446	57010.6	78748.7	48013.5	52698	56089.3	TRUE
8129.3	29459.4	25244	25963	32201.5	7205.6	6323	7540	TRUE

71911.6	64447.8	57045.8	82909.9	77369.5	72853.9	106649	71722.1	TRUE
139146.5	156597.1	137085.7	147309.4	159019.1	139323.5	195866.5	152660.5	TRUE
19946.2	13979.6	9103.5	42468.9	30546.5	21032.9	37777	28496.6	TRUE
96469.5	115313.7	90124.5	105595	95994.1	88297	124912	92808.4	TRUE
154970.3	281243.4	229891.2	272526.3	317298.5	101668.9	109766.9	123216.5	TRUE
50919.2	51014.9	29573.9	35960.1	35675.9	42594.1	45167.4	44623.1	TRUE

450569	314687.6	233992.3	268361.4	184124	237411.1	234486.9	196631.8	TRUE
142865.3	178878.4	138949.9	157861.8	147761.6	152897	158227.4	179898.7	TRUE

35762.3	50341.8	20096.7	39191.8	53248.2	15420	53135.2	52933.5	TRUE
163743.9	164983	133871.5	148430.4	151305.5	109779.6	141680.3	141894.5	TRUE

194479	190770	198489	271574.4	185820.3	214288.1	237856.3	232137.1	TRUE
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129124	107380.1	70326.3	86781.6	88770.7	72167.5	85175.2	93230.5	TRUE
272011.7	332674.1	256618.9	269828.3	276306.5	242393.5	257144.3	286714.4	TRUE
485022.3	476208.8	473861.4	496294	488916.1	481942	459391.7	473858.4	TRUE
1521536	1457618	1246467	1568113	1621551	1316008	1624179	1671156	TRUE
706880.6	673460.1	637836.9	725667.8	741569.9	643206	787501.9	771192.7	TRUE
56036.5	58169.2	45872	56144.8	54443.7	39276.3	49072.4	58685.7	TRUE
57481.6	81331.2	61681.2	64992.5	67872.5	49845.1	37858.3	32914.9	TRUE
676682.2	815683.3	653732.1	648940.7	591368.8	631419	596579	666703.1	TRUE
3565954	2859162	3819074	3688660	3082147	3543984	3717994	3721098	TRUE
2697206	2348442	2783010	2785688	2380535	2742134	2882939	2672437	TRUE
66247.4	62622	39612.7	60146.7	58879.7	44609.8	57845.2	63890.1	TRUE
52606.7	128374.6	82554.8	142169.2	124412.8	27736.8	35059.4	34289.5	TRUE
260828.3	281586.8	249323.8	229886.2	256038.9	198433.4	239145.6	272572.3	TRUE
411808.6	411838.6	370799.7	414697.1	458838.7	385738.6	448818.5	399514.8	TRUE
669685.5	600836.3	534791.5	789478.9	813530.3	564361.8	645098.2	850952.9	TRUE
103360.9	88891.9	83983.4	98513	116254.7	92307	111816.2	104996.3	TRUE
25531.8	47864.4	29085.3	64249.7	62679.8	26689.3	15591	11823.1	TRUE
618740.2	662154.3	630028.1	622338.3	604673.7	705025.5	712670.4	702244.9	TRUE
739928.7	692846.1	856173.1	843884	721008.1	761763.7	775693.1	778893.7	TRUE

64227.5	45396.2	64344.6	38150.8	66395.1	63950.4	69498.5	57342.8	TRUE
268159.3	153457.8	387279.8	273030.7	278626.2	565842.9	323177.8	260438	TRUE
57018.3	71894.3	37997.3	62538.6	27739.1	39933.7	63455.8	59782.3	TRUE
677361.9	664555.6	562750.4	621720.9	586499.5	561077.2	607693.5	563621.2	TRUE
442679.1	403774.1	468739	482333.6	479720.6	466784.6	442089.5	451200.7	TRUE
509834.5	444612.4	453537.8	528192.8	527911.4	490389.5	440208.1	486509.4	TRUE
38490.2	24843	34167.6	31437.4	27325.9	40555	29651.5	41553	TRUE
103320.6	98263.3	79333.1	100843.7	105176.9	101278.2	112500.3	77316.6	TRUE
414416	378446.2	335791.2	386843	353785.8	421737.2	442087.5	404098.7	TRUE
212964.1	179432	194025	204103.9	160484.7	166312.7	175461.6	171359.7	TRUE
36017.4	33372.8	16408.3	26366.9	36345.5	23154.8	38624.8	46343.1	TRUE
137870.2	112592.5	91447.4	125526.8	138460.2	112843.7	159830.9	186875.6	TRUE
20926.1	12606.2	8446.3	11116.6	23103.1	9142.6	38881.5	34674	TRUE
79814.3	72765.9	67395.5	86221.8	105922	89127.3	106132.1	104814.1	TRUE
49607.1	45682.4	37631.9	49579	36409	40296.1	40074.6	42504.9	TRUE
481574.5	415701.2	284702.3	462078.6	457363.9	455454.8	551379.9	622186.6	TRUE
272664.7	203404.3	208444.2	221939.4	189117	280768.7	295436.3	304517.8	TRUE
58122.7	44946.1	37928.3	81567	42796.3	49679.9	70736.2	65495.6	TRUE
37050.6	24491.4	38702.4	31958.9	18344.6	74564.3	35864.1	68065.8	TRUE
287055.2	290718.9	215196.5	222462.5	329744.3	220601.4	298673.5	303035.1	TRUE
114779.3	133870.7	128538.2	166950.7	89474.8	97208.9	143663.5	96810.3	TRUE
16171.9	11379.2	8794.5	11678.6	20910.2	5927.2	13059.1	8768.2	TRUE
136502.8	138421.4	220209.8	190569.3	117299.9	332837.2	163730.5	295171.6	TRUE
48072.8	36794.9	37280.4	36942.4	32813.2	57867.7	67388.8	59899.7	TRUE
93455	50577.8	106444.4	87757.1	46293.1	109874.8	63292.8	49726.6	TRUE
10731692	10547393	9600420	10504609	11042983	9382652	11584729	11802176	TRUE
506659.5	311037.4	352130.1	437315.1	393822.9	465348.8	394866.7	473305.4	TRUE
372664.4	354075.6	247593.2	356626.6	316550.8	308343.7	362187.1	409946.3	TRUE
109291.5	100700.1	98520.2	110037.6	100109.4	109521.7	101306.9	103085.5	TRUE
86282.4	112908	135427.1	89391.2	77412.9	73105.2	90874.9	59832.2	TRUE
193186.8	154653.3	163970.9	197873.5	164190.4	136358.5	164622.3	170019.9	TRUE
128578.1	111924.5	119198.3	115821.5	111610.1	133623.5	116360.7	104521.6	TRUE
21622.5	17905.4	20446.2	11469	19410.2	5031.7	22269.5	28583.4	TRUE
176038	159014.5	165689.7	179249.4	154466.4	182851.7	191651.2	167528.3	TRUE
74816.4	72968.8	72603.1	96390.3	79198.5	86711.8	91657.6	69582.5	TRUE
98433.5	72292.2	81581.8	106476.5	114157.9	94197.5	98971.4	100596.6	TRUE
125593.7	129970.2	152534.8	149686.2	176686.7	365257.6	153262.5	169397.4	TRUE
114430.1	124558.9	109802	137639.1	126438.1	129738.7	165411.6	105091.8	TRUE
91225.6	98985.2	102487.5	121006.5	88589.4	99161.1	109366	105240.9	TRUE
53587.5	62241.3	74357.6	65827	72182.8	57985.9	55583.6	50074.9	TRUE

59247.8	75846	82055.6	77983.3	55344.1	56456.6	84438.1	66235	TRUE
81733.7	79580.2	61316.7	89635.3	76357.1	71372.1	78989.4	90301.3	TRUE
86146.3	88024	147646.9	80195.6	69617.8	72797	68780.9	61297	TRUE
188593.7	150209.9	160827.9	175410.6	177080.1	197216.8	212121.7	194325.2	TRUE
44632.2	58328.1	44484.2	42859.6	41272.5	39843	55526.5	48967.1	TRUE
42896.4	34447.7	41099.8	48351.1	59463	49354.7	55328.6	53674.5	TRUE
109494.4	126292.3	91330.2	138614.4	110990.8	155707.9	133472.1	153418.2	TRUE
10109.6	21896.4	20711.5	7870.5	21440.7	7208.4	21401.6	17139.2	TRUE
344928.4	316397.5	297531	377499.8	320215.6	363123.5	365015.7	372304.3	TRUE
295234.3	299547.4	179608.3	212585	203906	197182.1	263729.7	219448.7	TRUE
160965.3	147350.6	119138.1	125742.2	131501.5	98891	136066.1	120930.4	TRUE
3505445	3220674	3187193	4084305	3819616	3271037	3974867	3809372	TRUE
5909.8	79281	3081.3	6060	9048.7	7001.9	7581.3	17193.1	TRUE
271018.6	293349.9	197635	302210.2	322801.2	239132.2	321356.9	337748.9	TRUE
2478532	2391397	2082060	2452924	2149080	2074454	2346847	2171527	TRUE
951421.8	973655.4	781118.2	939808.4	886254.2	840698.9	899279.2	880190.9	TRUE
123987.2	100721.8	120232.7	119397.6	101681.2	125252.8	130262.3	116776.7	TRUE
2003037	1749994	2069473	2174847	1836900	2160774	1748353	2063106	TRUE
858500.8	940865.9	900299.1	945482.7	816578.3	819820.7	738571.5	852212.8	TRUE
160989.3	173513.1	127913.9	167457.5	203448	138656.1	189313.5	167775.8	TRUE
450099.4	449155.6	384398.8	418093.9	548401.5	388677.3	468525.5	504072.1	TRUE
181112.5	224305.9	152808.9	182591.3	198607.9	162809.1	226241.1	223719.4	TRUE
137225.7	143288.8	173516.2	180265.3	124573.5	126367.2	149107	112280.4	TRUE
1238805	1293197	1302130	1310867	1050405	1160130	1420243	1114626	TRUE
334927.6	401368.5	375993.9	388108.3	315137.4	350469.8	396770.2	360466.4	TRUE
70719.2	133027.8	61889.6	122279.5	106395.9	25274.4	18362.7	28603.9	TRUE
693053.5	549654.9	811351	766800.3	632566.8	710324	514024.6	696789.2	TRUE
2278010	3711693	1318460	1673809	1996760	1417379	3692502	1883862	TRUE
2392405	1938336	3609181	3733632	1478597	1621360	1885635	1693797	TRUE
1061441	834672.6	1551125	1617251	663062.3	760016.9	849755.5	695593.1	TRUE
668038.9	613669.8	1089072	1306925	535898.3	649962.1	661338.4	587625	TRUE
249217.6	129211.1	263698.4	285920.6	286993	209645	170326.9	172910.5	TRUE
88846.1	98507.3	77583.4	86654.7	97003.9	59519.6	98729.9	94512.8	TRUE
15861.8	21914.5	4745.5	9413.3	9552	8328.8	25978	6980.6	TRUE

94563.4	110936.5	90160.3	106043.4	94898.5	90073.9	124380.3	95415.3	TRUE
60444.8	67294.1	85623.2	44535.4	59033.2	70702.3	75721.5	59110.3	TRUE
45330	42752.1	51395.6	30165.3	41244.7	34827.2	48055.5	44195.2	TRUE
176149	336566.9	193249.6	285960.4	291336.2	168260	105613.2	115069	TRUE
175506.5	153083.6	184339.9	190780.5	138950.1	282867.3	200254.5	165065.9	TRUE
567518	321970.9	494245	637320	679578.5	544986.6	428047.3	526502.5	TRUE
90871.4	59568.7	37816	62997.3	62997.2	75161.3	75435.4	66957	TRUE
263135.8	319318.4	170398.8	230644.4	176795.6	182083	212359.9	220819.4	TRUE
286435.3	311890.2	298225.3	238471.7	287575	346835.3	304351.8	286309.5	TRUE
323823.7	377410.8	264173.1	276636.8	251715.2	304973	401030.5	274352.2	TRUE
263413.7	312671.3	173259.8	239032.2	231209	195028.6	318365.8	288139.1	TRUE
2453093	2530687	2536401	2956441	1864935	2389116	2570727	2460227	TRUE
539656	568276.2	478576.2	522038.3	398983.5	516212.6	613338	374493.5	TRUE
569138.3	617456.5	505958.2	598413.3	442941	603532.7	684858.7	461513.2	TRUE
90757.3	102994.9	104252.6	98140.6	94656.2	85468	124159.1	96943	TRUE
1042580	730583.7	1125341	1120586	991238.3	1199809	787354.9	1147527	TRUE
680359.1	505125.1	683501.7	705495.5	652844.7	793999	531809.2	727554.2	TRUE
672213.3	513914.5	717391.8	774164.8	616921.4	753297.8	489899.9	708107.3	TRUE
666199.3	529454.1	686863.9	730492.5	627412.3	725111.5	550681.3	754569	TRUE
581421.2	507279.8	583471.7	640842.8	486898.8	573787.8	571311.7	464060.2	TRUE
443705	487936.4	424003.8	479033.3	353928.1	448180.6	497699.6	364792.9	TRUE
104817.1	173795.2	111083.2	188820.7	184574	70442.9	86487.3	91749.7	TRUE
94655.7	165260.4	99284.9	168588.4	166396.3	89638.8	88182.8	104718.6	TRUE
788095.4	1180663	682959.1	720636.1	816413.8	1138842	1377807	848581.8	TRUE
749036.9	774707.2	750527.1	781584.1	783998.8	786581.1	820270.4	706236.1	TRUE
392629.8	410201.9	336554.3	429210	310021.4	380201.4	425524.4	330221.3	TRUE
1983714	1259336	1733908	1812931	1494968	1636056	1225471	1652377	TRUE
174925.2	114332.8	239889.4	251165.4	190750.1	205821.2	148115.9	203005.3	TRUE
866831	574364.6	1042101	1119405	912160	990156.4	700340.1	958271.9	TRUE
42126.1	49847.4	29144.1	39545.3	48804.3	35786.9	59222.9	39103.9	TRUE
44942.6	43932	30707.2	36697.8	49376	49234.9	50020.8	51655.8	TRUE
25070.5	20535.6	15809.4	26409.5	19091.9	23259.7	44683.4	14937.8	TRUE
125535	89913.5	84489.2	110318.6	94167.1	118803.2	139973.5	136264.5	TRUE
116816.5	137394.6	92623.6	112875.6	137420.5	91096.2	176940.7	146818	TRUE
128444.8	164416.3	82949.8	99003.3	127757.8	85406.9	141375.6	126228.9	TRUE
52569.3	64299.6	47881.1	61025.2	51746.6	44562	55409	46829	TRUE
63216.5	63925.8	49973.7	65012.7	63877.5	54737.7	52047.3	57725.8	TRUE
80949.8	50313	62524.1	84465.1	70293.2	71866.5	76232.9	59883.2	TRUE

324691.1	223358.4	261794.7	353097.7	345241.7	329918.3	304926.5	391828.2	TRUE
41267.1	82493.3	50810	51076.5	60249.4	40450.9	57152.2	39541	TRUE
100552.9	75616.6	125234.2	99721.2	91421.8	117346.2	98688.5	113791.3	TRUE
207494.7	174759.8	156429.4	184269.1	188001.6	184630.4	197222.7	204716.2	TRUE
105458.5	72108.7	70409.3	99979.3	84876.1	96096.6	97045.8	83557.5	TRUE
213442.5	228708.4	213362.5	230289.1	202161.8	235437.2	258851.3	198391	TRUE
75800.6	74064.5	91476.7	75179.7	76444.4	90431.7	77553.3	86814.4	TRUE
192591.8	184234.9	157664.8	184959.5	142286.6	167555.6	179362.1	181486.7	TRUE
61782.7	80318.7	54158.3	50521.9	51333.2	53589	65229	45244.9	TRUE
165533.4	133774.7	143943.4	162120.3	149536	160295	164481.2	144551.2	TRUE
205888.7	147147.8	197914.8	153502.1	169368.1	320473.8	206754.5	189835.9	TRUE
46806	50459.6	68488.6	47076.9	42803	42295.2	72363.7	39972.1	TRUE
111395.5	110406.2	160777.5	124353.1	137673.6	94075.2	77270.8	73591.5	TRUE
80567.5	118970.7	87376.4	107130.1	134514.3	64653.8	55798.2	51958.9	TRUE
57265.1	77890	88079.9	55113.4	51002.3	84224.3	77012.3	57538.6	TRUE
68328.3	73780.5	131825.8	55312.8	57827.2	210223.8	135042.5	126628.4	TRUE
75932.7	105088.1	86663.9	104749.6	105102.1	94713.8	73187.6	52232.3	TRUE
101790.6	111328.2	115676.4	129672.2	130001.8	117783.7	119434.9	107908.6	TRUE
193265.9	175518.8	185908.2	193640.7	203787.8	300492.3	247611.3	206977	TRUE
43020.2	57948.2	51643.4	56618.4	58690.9	47964.6	53803.4	53967	TRUE
70328.6	78592.5	58069.4	83036.3	75754.7	102950.6	92568.6	77927.2	TRUE
155907.3	181975.5	145454.6	172983.2	177552	147867.4	162160.3	176496.1	TRUE
169093.1	158024.1	141416.6	151411.8	185379	135565.8	160487.5	193634.5	TRUE
354028.4	355527.9	371990.2	334216.2	383338.1	339365.7	342913.2	325212	TRUE
155299.4	168051.8	148102.9	146556.4	141596.6	133634.3	165317.3	126590.9	TRUE
680793.3	636993.8	619925.8	737543.7	637010.3	663368.4	630148.3	718100.6	TRUE
170380.3	164044.7	140837.2	191391.3	150495.4	157378.9	161322.8	171028.8	TRUE
159107.8	177067.8	178562.5	166303.2	146189.2	157532.7	146547	151142.7	TRUE
110012.4	97210.2	104201.7	121031	84165.5	126936.5	98937.8	96046.3	TRUE
328013.8	280100.6	367666.4	351013.6	319479.7	437300.5	289037.8	350665.4	TRUE
184792.4	128463.3	174497.4	154738.2	213518.4	236207	145037.8	215272.1	TRUE
93000.2	152652	104211	131227.6	98781.3	106914.1	95925.2	103723.3	TRUE
155087	153716	153704.8	148316.4	102741.7	199921.7	143683.9	124261.3	TRUE
158488.1	129390.5	250555.7	219409.2	127708.7	261252.5	190660.8	158868.6	TRUE
244432.2	274396	138105.8	237977.3	194149	160145.5	227374.4	176886.8	TRUE
22893.5	10911.9	36913.6	11203.3	20414.6	38962.2	10070.5	24603.9	TRUE
322603.4	319890.9	248268.9	291274.4	247776.8	269568.8	298343.2	273081.2	TRUE
75562.6	68575.4	53591.1	68179.2	72882	50502.8	73941.4	61786.2	TRUE
93262.6	101331.7	111008.2	103435.6	87711.4	91015.2	103463.3	91427.7	TRUE
149411.2	167209	145872.1	143756.8	115975.8	128714.5	163917	142643.9	TRUE
275532.8	279831	223759.8	286825	264402.8	272759.9	299484.2	251154.1	TRUE
44750.9	42814.7	37768.1	32525.1	45993	54065.6	64602	68222.9	TRUE
51266.4	51499.1	47746.9	51244.3	53031.3	37554.6	76533.6	52202.3	TRUE
226776.8	240405.2	159210.6	188150.5	193476.5	136458.5	263300	205596.5	TRUE
212060.2	219290.5	156138.2	171754.7	192795.8	164980.9	229677.6	209863.7	TRUE

76088.1	67122.8	72012.8	80770	75834.2	73245.8	72658.3	82697	TRUE
85362.3	100228.4	87234.7	84547.7	80120.7	109575.5	125382.8	117080.1	TRUE
228346.1	186518.2	202023.6	229502.8	233761.6	203630.4	260628.1	230175.6	TRUE
137433.2	87177.9	70851	71852	86521.7	72816.8	116501.1	97090.5	TRUE
200375.4	174004	115595.3	164723.7	160372.4	137379.5	170298.6	184411.2	TRUE
119111	94510.2	79218.2	127877.5	114350.7	133814.1	99232.3	109552.1	TRUE

96976.5	77366.1	84401.2	75026.9	52839.7	68437	92090.7	54037.7	TRUE
244308.7	223017.5	218600.7	327258	184675.3	321442.5	256220.3	288196.5	TRUE
61632.9	57307.4	60628	60703	61029.9	69767.6	71212.3	69476.7	TRUE
224517.4	215255.6	250545.4	249276.5	223004.9	253716.6	282996.2	255626.3	TRUE
94714.9	113999.8	101864.8	100082.4	90833.1	62569.3	121102.3	87819.3	TRUE
702833.7	592837.7	737261	792555.2	666795.6	719090	663664.7	723860.6	TRUE
116645	107558.6	108951	132196.2	80067.1	96190.6	106298.6	91342.1	TRUE
68792.3	71114	44906.4	75790.4	61694.7	61961	84009	76939.6	TRUE
252870.1	226830	278013.6	254742.3	195590	230803.5	237501.2	263386.4	TRUE
26460.9	19685.3	27383.9	28365.4	21418	32447.8	30263.8	25159.6	TRUE
1302625	1342059	1067484	1407060	1262993	1125089	1545032	1346176	TRUE
119775.4	117040.5	96212.3	112236.5	118769.6	143819.6	128461.4	134663.1	TRUE
259402.9	231229.9	283419	311115.3	259168.5	329136.9	243901.2	298866.6	TRUE
54756.7	52503.6	33981.2	68931.3	50725.7	47796.9	68689.4	50145	TRUE
136569.7	129049.5	60858.1	106659.4	121973.1	108703.7	158929.2	130001.6	TRUE
99395.3	80131.3	75009.2	103914.8	111916.6	100059	129152.3	112151.4	TRUE
62049.1	58334.1	49980.2	60862	56438.9	53923.2	88028.4	83427	TRUE

465035.9	343889.5	295995.8	381327.1	292155	274064.5	276112.5	334252.5	TRUE
929998.1	802007.9	634312.5	694084.2	661327.4	681169.1	658637.7	658815.8	TRUE
2361780	1918324	1956957	2535839	2138163	2017680	1834140	2082354	TRUE
855607.1	646288.2	874769.5	1054727	988389.1	779551.1	821093.9	869405.1	TRUE
948988.6	822298.2	925062.4	1142122	958671.5	938351.1	974165	880532.7	TRUE
47584.5	93828.7	80208.3	150634	148419.3	42546.1	13311.9	15578.4	TRUE
565391.3	495756.4	479737.1	535263.2	474017.1	627419.4	598467.1	572139	TRUE
1995797	2084961	1572134	1678182	1798166	2058566	2035163	2169016	TRUE
185136.7	174883.9	176481.9	194888.4	211202.1	247318.5	222323.1	236843	TRUE

61371.5	123556.5	101488.4	137777.5	170907.7	39367.7	22542.3	44563.9	TRUE
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120354.8	105212	121225.4	114358.5	143891.3	132663.1	120329.1	135623.4	TRUE
89204.2	246300.9	243452.5	268590.1	371707.8	54837.9	58823.7	72233.8	TRUE
64009.7	64554.8	76748.8	51675.4	69633	54203.2	55603.1	58167.2	TRUE

40424.2	26379.4	32122.1	35540.9	43809.6	52590.6	38342.9	55466	TRUE
45637.2	49298.2	53476.3	45766.2	51831.5	85684.4	41238.6	63253.2	TRUE
74771.5	53031.4	72572	79381.8	57936.6	61977	74994.9	69091.9	TRUE
52538.6	55837.3	46472.5	68077.6	46795	58776.9	52416	72353	TRUE
97533.8	72037.5	122783.8	86159.1	71773.7	100739.6	70651.5	88726.6	TRUE
109707.3	40885.1	29680.2	56371.4	45686	52849.6	51789.3	56569.8	TRUE
52025.3	80375.4	110429	53857.5	45986.5	81440.8	67661.7	68159.3	TRUE
49503.3	42601.6	34052.8	46147.9	37197.3	50615.6	38764.6	50943.5	TRUE
77020.9	55726.7	56305.4	76752.2	61592.5	68447.6	63354.5	72872.5	TRUE
84194.7	59767.2	56771.8	75494	78781.1	70427	82266.3	95534.1	TRUE
104432.6	88086	81452	86344	109665.7	108768.7	103196.7	133272.2	TRUE
288667.6	254405.8	183735.7	248496.4	254682.5	345705.4	266516.8	366011	TRUE
34971.3	39015	31739	33735	32687.1	43619.9	32849.5	38147.3	TRUE
111533	99397.6	118559.3	105803.2	98695.6	149895.1	99095	115152.4	TRUE
108996.5	82720.8	73766.1	90120.5	81092.9	101138.5	90354.9	100230.8	TRUE
115521.1	133504.3	82133	104377.6	99954	111499.1	94929.6	91587.9	TRUE
105998.5	72044.1	77043	75169.1	92962.1	97948.8	77292.7	106314.5	TRUE
475507.8	406128.3	334286.5	408706.1	406241.2	449791.3	462053.2	488998.5	TRUE
70965.9	35285.8	10467.5	49783.6	62613.5	81072.4	54566.9	65691.2	TRUE
101938.6	104011.2	90549.4	104137.6	120151.7	108005.3	95990.1	117195.1	TRUE
96219.7	79884.8	67942.4	86702.4	82560.9	95719.3	74351.9	80576.1	TRUE
9141815	11111480	8369303	9575193	8081373	10290786	11299477	10459724	TRUE
37647.7	13621.6	21358.7	27810.7	32920.5	25865	11161.9	8464.4	TRUE
83807.8	86922.2	69542	88072.4	68573.3	64333.4	78707.9	94420.2	TRUE
139304.5	108452.1	107662	142864.2	151314.4	138818.9	106604.5	131434	TRUE
280191.1	237730.5	282022.5	354736.1	364301.6	301383.8	306931.6	358111.1	TRUE
432923.7	345979.9	424932.6	564715.1	514922.4	484902.2	458791.2	555171.1	TRUE
43844	80375.8	73374.7	78694.9	70751.3	27667.3	31304.5	24849.9	TRUE
43128	44944.9	45226.6	43321.3	50295.7	48729.8	39647.7	48209	TRUE
42921.5	53540.3	40036.9	43412.9	47529.4	51512.6	42080.8	55479.8	TRUE
57018.2	53698.1	37001.5	36787.5	59097.3	42858	65284.7	71450.2	TRUE
60369.5	56466.1	74348.9	63647.9	47846.7	80947.4	49330	80023.7	TRUE
52796	59555.5	57018.5	62566.1	39366.3	64436.8	37411.6	55690.1	TRUE
169189.3	155859.4	113022.8	150632.8	109224.7	155039	171973.9	167070.6	TRUE
235177	191445	146414.1	177813	190160.3	173614.2	227671.9	229350.9	TRUE
142324.6	112506.4	117380.1	96616.3	107174.9	135746.1	155708.5	135286.5	TRUE
397617.2	338689.1	338003	333271.3	334646.2	406115	425975.9	437991.2	TRUE
44691.3	34895.2	41094.5	37416	35453	46162.8	40284.1	47880	TRUE
108276.8	128715.9	131902.1	94995.6	61140.4	114346.6	114236.9	67782.9	TRUE
319766.5	329649.9	392328.5	292115.6	339931.2	354397.2	297616.6	323616	TRUE
338562.9	368806.9	350612.7	299163.5	453946.5	356281.1	372014.7	450861.5	TRUE
30635.1	17496.9	35064	14094.7	14194.5	55078.3	22108	9451.5	TRUE
175269.7	171887.3	198527.3	208372.4	137980.1	216802.9	219210.7	200748.7	TRUE
110929	118245.2	180306.4	111331.8	124129.3	106081.8	103341.2	132911.1	TRUE
37884.9	38031.9	24983.5	44994.5	39059.1	39588.7	58103.4	45605.7	TRUE

173831.9	129267	156342.4	147673.9	150715.9	186086.3	151161.6	176332.3	TRUE
530923.8	354520.4	393030.8	481838.9	557697.2	588409.7	491144.4	695359.8	TRUE
48931.3	34026.3	37955.5	65488.9	58846.6	60227	53854.8	83035.4	TRUE
277504.7	284549	271164.9	290228.6	325893	314270.9	275029.8	327369.4	TRUE
148880.7	105233.6	179083.7	171223.4	157565.9	143894.5	107682.7	150340.6	TRUE
161379.6	134794	154586	169356.8	180235.7	175191.6	164539.7	193768.6	TRUE
118838.7	137397.3	140230.7	160022.5	135435.2	133458.1	138612.5	148376.3	TRUE
88128.8	81388.2	88241.8	85749.2	78943.2	88199.9	75948.7	102620	TRUE
57356.8	51259.1	54436.1	53325.9	53260.3	57638.7	66964.6	59403.4	TRUE
134433.5	144176.7	159948.5	154725.1	160518.1	146459	157306.9	180656.5	TRUE
71052	40236.4	78645.3	80100.8	58076.6	72864	53491.4	60218.6	TRUE
110251.9	98472.3	88034.6	93538.1	107422.2	109262.6	106091.3	105814.3	TRUE
80968.9	95285.3	82911	70986	85318	110416.5	104659.1	109992.4	TRUE
148192.6	128783.4	116371.9	117255.5	131058.7	156408.7	148812.5	156951.3	TRUE
57438.7	44691	47617.6	44357.6	58407.9	56414.5	60356.1	65581.9	TRUE
62356.1	57739.7	51513.2	56357.4	68263.1	58942.5	64999.2	63565.3	TRUE
49115.6	38703.7	37066.3	29173.4	33900.2	45338.7	47704.9	49755.7	TRUE
34090.7	33248.3	32685.1	18303.8	40714.9	52040.9	31907.6	55045.8	TRUE
20139.7	16671.8	18839.6	3784.1	17352.3	27876.2	24144.3	29471.7	TRUE
61471.5	54103.2	50494.5	56150.6	49878.1	51401.3	53473.5	71434.3	TRUE
432235.6	327225.2	316038.5	366528.9	368422	320304	332596.9	422574.7	TRUE
30197.6	30071.1	27099.1	34045.3	34049.6	28387	24835.7	35505.4	TRUE
42607.3	33016	31701.7	34235	34502	17819.5	21994.5	9619	TRUE
138560.1	113881.8	141625.3	158890.5	172250.6	147488.6	123500.6	177199.1	TRUE
116361.3	108561.8	122806.2	118206.8	137211.5	102067.8	101298.5	125991.7	TRUE
313201.5	307541.8	223602.3	250147.6	245344.7	265984.6	294184.3	284973.6	TRUE
706130.6	676762.5	461119.9	535082.9	571703.3	539549.3	641420.7	689960.8	TRUE
22449.8	41997.2	31061.4	24920.4	47943.9	13846.3	40189.5	20915.8	TRUE
739593.6	621301.5	674419.6	702356.6	719561.7	681444.8	555970.7	759448.8	TRUE
174054.6	143700	137767.8	175542.2	157150.8	166828.3	127836.1	182820.9	TRUE
84740.4	80668.7	63491.9	73904.4	75424.3	63164.4	77234.7	67857.1	TRUE
195349.2	194109.1	123211.3	152895.5	177885.9	145989.6	181423.1	177336.8	TRUE
167669.8	162336.7	159704.5	155824.2	164143.5	149098.6	154918.7	174373.3	TRUE
137356.2	132612.1	119091	148868.8	124736.8	159927.7	145301.2	156292.4	TRUE
47611.9	31011.7	43960.1	59318.9	46561.3	87529	41759.7	62273.7	TRUE
240119.8	204851	289881.6	220939	255012.1	361221.8	213753.4	243444.2	TRUE
80366.1	61209.1	50298.3	76386.8	72348.8	74296.8	69235.3	65761	TRUE
48827	56998.5	40725.6	50090.4	51287.4	44138	49786.9	41201.4	TRUE
269386.7	242500.2	259023.1	238548.2	264975	257440	311558.3	301834.5	TRUE
21162.4	29348.3	22738.8	27557.5	21148.3	23244	9496.7	34521.9	TRUE
12671.9	19963.4	21417.8	22321.8	9524.1	26148.3	12182.4	10074.5	TRUE
42973.4	64323.3	171818.6	77895	40816	54148.5	39271	47578	TRUE
35355.6	106378.8	51411.2	74332.5	91220.2	1785.3	8297.7	8419.2	TRUE
106978.6	90265.2	86722	103116.3	89975	99743.7	90008.5	102410.2	TRUE
343250.2	368914.7	255073.2	289546.4	375239.4	325759	329120.1	319491.2	TRUE
133292	99220.5	66938	169374.5	103037.3	338358.3	143251	155685.9	TRUE
128230.3	106887	80687.2	157699.6	97572	343908.3	130792.5	156495.2	TRUE
298189.1	276094.6	198128.9	258978.2	321530.1	336817.8	363057.9	366323.8	TRUE
18933.4	14691.6	8064	10600.3	18533.3	34704.6	17186.5	17835.1	TRUE
112905.4	124185.3	133344.4	84213.1	103463.6	96532.1	123885.6	103203.3	TRUE

31637.7	38221.3	31530.5	32621.2	24367.5	10671.9	30783	34519.7	TRUE
93403	88143.4	102753.9	91330	104325.7	101010.4	97045.5	108423.9	TRUE
81040.4	66069.1	75981.4	135732.9	76550.6	265067.1	82567.5	103591.6	TRUE
778380.7	764943.7	705339.8	930048.4	998316.5	721774.5	719638.7	942416.8	TRUE
8038743	6430498	6035625	8230514	9336520	6610984	7031626	9838691	TRUE
1522417	2030835	1408662	1488297	1374520	1653225	1836401	1565327	TRUE
2136392	2572909	1786509	1902765	1813230	2348463	2685681	2283404	TRUE
207842.6	106185.7	188111.9	152096.3	140083.6	332521.8	156319.1	201806.4	TRUE
513129.5	427015.6	444796.9	526099.1	472037.8	442192.3	457238	502453.7	TRUE
1030038	886467.9	897999.1	1061141	1152250	969576.7	814539.6	1095179	TRUE
217737.9	175212.4	225609.5	219605.1	251454	209057	237713.6	257675.9	TRUE
181178.9	182767.5	168526.6	197736.6	177568.3	170557.4	174465.5	195153.7	TRUE
3271403	3091568	2439610	2630389	2851350	3482494	3322442	3654949	TRUE
981649.8	1016226	854472.8	860737.3	894828.3	1042270	1021685	1059509	TRUE
89840.2	76397.3	66201	72737.7	68932.6	81865.1	86926.9	83688.8	TRUE
362113	338294.1	271192.1	364410.6	347865.7	278406.2	315631.5	342876.8	TRUE
114435.3	79438.2	89563.7	114818.8	91563	89137.3	113548.7	123594.8	TRUE
79990.9	98062	88432.6	120448.2	102114.4	117887.4	129560	102502.9	TRUE
159823.5	98941.1	157067.1	224947.3	257085.2	264331	209898	248058.4	TRUE
23540.1	7062.1	21307.5	48542.5	35780.1	52606.3	37891.5	40435.3	TRUE
126127	140019.4	105794.4	125669.9	101150.7	113202	132333	114766.7	TRUE
164965.2	132649	136670.4	145795.2	128930.8	192182.6	164899	200250.7	TRUE
498065	458267.4	291779.7	417152	415211.2	564652.6	551797	635379	TRUE
304477.6	246766.8	181937.7	218291.9	241302.5	320327.7	325064.1	349010.9	TRUE
431475.9	336951.7	448354.7	386962.9	452733.3	418992.2	371934.7	477826	TRUE
112687.7	106499.9	134449.2	136947	94408.3	98081.8	169220	111772.4	TRUE
72374.2	57746	52811.2	60788.9	55780.7	66463.8	61455.2	54269.8	TRUE
107319.2	131909.6	81455.9	101185.9	73902	83458.4	116543.5	79867.1	TRUE
85147.6	70293.9	74359.9	101805.7	81394.6	101759.3	108566.6	102119.3	TRUE
32821.4	27723.5	24495	24192.8	24277.9	38027.1	27928.1	37567.6	TRUE
260797.1	232439.7	175144.2	233363.5	200761.6	278265.6	276689.9	268724.7	TRUE
59937.1	48589.4	42718.4	60486.5	47849	74995.9	63799.8	74581.2	TRUE
105208.9	140202.6	124702.9	159567.2	95586.1	153816.1	147341.7	109253	TRUE
142098.3	121869.6	106819.1	126053.6	113940.2	150877.1	149079.5	117338.2	TRUE
156369	178306.5	194615.3	194847.7	255449.3	124737.9	136426.5	148827.9	TRUE

2580456	2269983	2795667	3062100	2119286	2987371	2899203	2319871	TRUE
74840.3	97684.6	49168.7	99728.2	118227.3	52462.5	126891.1	117829.6	TRUE
365259.7	708828.6	161143.2	699552.2	761637.5	162021.2	725536.6	757642.8	TRUE
417175.4	781302	202291.1	705707.2	868231.2	205214.6	823592.3	839035.5	TRUE
62122.1	53647.8	42479	42023.9	31729.4	39239.2	45975.7	34925.9	TRUE
148098.6	138717.9	128933.3	138863.4	152656.3	141398	133021.4	123899.3	TRUE
594882.5	574601.1	574354.5	578853.1	453024.7	533504.9	568111.3	521119.1	TRUE
500849	419014	418031.1	506226.4	484894.7	447093.2	504198.8	496478.2	TRUE
1589341	1599991	1479798	1650997	1549197	1581276	1851853	1643363	TRUE
35737.7	62080.4	39470.7	57804.8	40751.2	39902.3	42461.6	49686.9	TRUE
10790.2	15845.7	33344.6	38021.8	39785.6	18624.9	13872.2	10852.1	TRUE
47547	101797.6	65366.6	90519.1	77120.4	38670.4	57878.6	43270.9	TRUE
41598.1	36576.6	30389.3	31582.8	37272.8	37674.5	29000.4	37477.6	TRUE
337274.4	300254	234307	186556.8	187391	217686.8	214615.5	207975.7	TRUE
389037.6	372027.5	424123.8	438308.7	359066	445012.8	404630.9	336359.7	TRUE
486443.6	503128.6	491911.8	521238.3	420485.9	534563	461901.4	423026.8	TRUE
147400.2	117187.7	109707.1	128357.4	112879.8	126035.3	136573.7	125944.2	TRUE
925570.2	711349.8	890023.8	819944	932316.1	876133.2	779391.3	789137.6	TRUE
1530244	1208685	1472928	1520412	1407812	1538931	1225505	1431875	TRUE
988218.2	876013.5	1157341	993831.1	721935.5	1197678	875199	722217.6	TRUE
224563.4	194494.8	249465.7	178461.1	159590.4	245189	203065.1	198129.3	TRUE
480707.4	282388.7	426895.1	449878.7	547873.4	403153.6	320226.7	388552.9	TRUE
144739.5	90105	120298	122006.9	166870.6	128696.2	89734.6	151270.9	TRUE
29278.7	25447.6	45850.2	20694.3	42193.4	19361.7	31046.6	24821.5	TRUE
63697.7	38469.5	38072.1	60869.7	43945.9	70999.8	63919.6	74214.1	TRUE
361718	286681.2	342530	279270.5	208852.2	527918.5	390218.1	299887.1	TRUE
139175.1	82324.8	120608.4	131086.1	109839.5	127935.1	121348.2	155278.5	TRUE
627901.4	390734.1	616695.9	644070.7	909353.3	587121.3	534792.8	663353.3	TRUE
53980.1	50075.1	56624.1	54413.6	52727.4	55797.9	61989.7	52668.2	TRUE
28721.8	30190.2	24395.9	44835.5	37482.1	34827.5	29785.5	23238	TRUE
176851.9	164058.1	157540.6	164785.7	159284.5	196822.1	196827.1	157872.8	TRUE
82540.4	93283.7	80706.6	110294.6	78296.7	96836.5	84148.7	70630.3	TRUE
121031.4	127368.6	112031.5	109095	111633.5	124108.8	105132.8	76302.1	TRUE
22379.1	13833.5	11811.8	17460	32253.2	11915.2	18928.9	11623.7	TRUE
86896.1	58682.7	84750	54204.9	77263.3	79039.5	65364.3	62500.5	TRUE
452907.4	395987.8	484385	474313.3	390067.9	475101	449483.2	353147.1	TRUE
497457.2	481704	592284.2	667098	699030	582713.1	547762	572614.9	TRUE
44500	43080.5	61169.8	64425.9	78651.3	87609.6	57061.4	77563.2	TRUE
135847.9	237314	83345.5	281619.2	207590.6	118080.8	198482	197262.8	TRUE
56997.7	72862.2	32983.4	83708.2	79116.6	41019.4	66678.7	79301.2	TRUE
81461.5	145132.8	55094.5	134306.5	168559.2	44958.9	157324.6	165080.9	TRUE
68111.2	90608.2	41679.2	90384.9	119256.4	26568.1	104084.6	145421.1	TRUE
23029.9	12971.2	18631.3	34074.2	27246.1	22195.2	48099	40628.4	TRUE
153443.3	147103.5	175476.4	139747.5	145866.1	158169.8	139446.8	151397.7	TRUE

112443.9	101880.8	94663.6	74930.3	82867.4	87118.3	120212.7	99674.7	TRUE
61572.8	58469.6	72289.1	47029.2	47496.6	82603.3	81978.1	64022.3	TRUE
63459.2	61691.7	60346.8	63322.7	66529.6	68082.7	54588.7	67315.9	TRUE
101903.7	98684.3	80778.8	91905.5	96483.4	73538.9	98317.3	75551.2	TRUE
105849.1	100572.6	87912.8	125046.5	101514.2	105914	94537.9	111044.6	TRUE
133923.6	129983.9	60224.9	111931.9	166019.3	94820.1	203381.6	219527.5	TRUE
166503.9	127055.1	61108.5	116677.9	174637.6	96593.7	199783.6	259402.5	TRUE

45147.5	51066.5	41844.7	91727.5	56896.4	47641.2	66310.8	53160.6	TRUE
69349.1	45515.6	88718.9	69031.8	82364.3	116723.6	99162.5	75371.4	TRUE
48475.5	38338.3	50053.6	53192.9	43963.3	46709.5	54921.6	40704.3	TRUE
21319.8	28926	32569.8	10080.4	30207.4	18739.5	12314.7	6060.6	TRUE
55416.5	63320.8	46644.9	67103.9	55332.8	59927.5	72934.4	70383	TRUE

38101	31563.3	36694.8	56398.5	42072.6	53917.3	53158.3	45858.5	TRUE
79646.9	76636.2	90190.2	83490.8	92153.1	103415.5	90580.3	96590	TRUE
132999	120544.5	157601.4	166806.7	142392	167668.8	165969.8	151011.1	TRUE
1107636	959650.9	1002745	1047174	921496.1	1285277	918342.8	1365450	TRUE
130369.5	113890.5	200066.4	224026	199236.8	134517.8	177040.9	223015.4	TRUE
57067.6	71201.6	91437	77895.1	63627.8	57135.9	55621.8	60335.7	TRUE
87946.6	91777.4	110820.6	91860.7	96746.5	92953.3	93168.7	96326.5	TRUE
81953	65433	60231.7	53293.3	48877	80518.3	82000.4	66792.3	TRUE
203070.1	157843.7	150625.7	200295.4	162850.5	189184.2	181346.4	170841.4	TRUE
290457.7	212402.1	213123.1	270930	229584.7	323828.2	281044.5	352702.7	TRUE

175945.6	155266.2	172559.3	195038.5	188438.4	137526.8	210347.2	190791.3	TRUE
244009.9	262619.9	255192.8	300721.2	303087.8	252173.5	292194.8	311380.2	TRUE
435627.1	421243.5	452303.2	455477.1	404759	429058.3	488655	454082.8	TRUE
55948.2	50469.4	47871.2	41651.8	55517.4	49400	53798.5	50964.7	TRUE
37429.2	75377.3	36790.8	53541.9	59196.5	37034	8566.9	39800.1	TRUE
59175.3	93260.2	76168.5	80491.3	70994.7	45291.1	55401.3	55138	TRUE
440791.6	404974.4	523298.5	490740.7	356894.1	479406.5	429673.4	437984.5	TRUE

16441	17450.5	28248.8	22473.5	18845.8	10982.4	21393	20837.3	TRUE
312674.6	340764.4	314263.3	361064.7	333420	334762.5	337212	351696.3	TRUE
153532.2	111742.5	152193	173489.3	139350.5	157446.2	150179.2	176037.7	TRUE

1230608	1108027	1089032	1279204	1167644	1194911	1112544	1194076	TRUE
161999.2	188597.1	177578	197702.6	237814.9	173928.1	242539.2	234225.7	TRUE

246896.2	251295.2	212627.9	276724.9	321867.9	241138.2	344715.8	340032.1	TRUE
132565.1	105855.7	87067.9	87892	115440.6	61857.4	86785.4	105993.5	TRUE
436492.1	485148.5	492741.2	530075.5	345157.3	454611.9	471233.9	431217.4	TRUE
515971.5	559647.7	587868.7	600305	426420.4	516288.2	570095.5	502399.1	TRUE
89044.9	93198.8	127618.2	85485.7	78837.1	80120.5	91449.2	96574.4	TRUE
118344.7	105441.7	114527.2	124205.6	90031.8	79518.5	109759.2	115162.1	TRUE
55041.9	56105	45273.3	58517.2	49197.6	55472.7	59792.1	60426	TRUE
174460.5	206993.4	113856.3	113995.7	158233.9	104946	161506.5	250409.1	TRUE
70662.4	119609	81717.6	86841.7	92884.5	106653.7	94732.4	155355.8	TRUE
57574.2	77927.2	67426.2	82009.1	67040.4	72895.1	79415.6	58341.6	TRUE
2019213	2127664	2226959	2351140	1596558	1673221	2084495	1689103	TRUE
10064.1	14433.5	8620.4	11301.1	9926.9	10631.8	10995.3	24320.4	TRUE
284905.4	326779.4	111976.7	159665.2	225674.3	139918.6	230147.7	216791.2	TRUE
72534.6	83911.6	58828.5	103938.8	89526.5	87153.7	108340.6	100115.5	TRUE
85113.4	91868.6	94933.5	102183.7	104548.4	75185.7	95463.8	105863.4	TRUE
51486.3	35948.8	46906.8	67841.6	54102.8	56270.8	52259.9	60345.7	TRUE
37109.6	40812.5	36146	61775.6	49547.4	34693.6	39334.3	38510.4	TRUE
26513.2	41492.8	28613.6	41634.6	54822.3	7513.9	14182.2	21128	TRUE
64217.5	49842.9	41166	63127.9	48449.4	51393.7	90314.3	66896.4	TRUE
76107.4	63557.9	40163.9	50810	60599.7	63302.4	88257.3	60599.7	TRUE
28654.5	36580.9	28863.5	29553.4	36025	24998.4	40599	54558.9	TRUE
39087.7	39464.9	34888.3	34086.9	30562.9	45698.8	35010.8	30999.2	TRUE
98602.5	85587.6	55990.6	99438.2	53926.8	89353	101163	79053	TRUE
274730.8	229102.3	210486.1	246211.3	203703.8	276738.8	301558.6	296292.6	TRUE
48683.8	32469.3	51627	50984.4	36155	51905.4	53410.4	62395.4	TRUE
189126	195137.7	163401.4	192211	262127.4	177497.2	246166.9	236293.3	TRUE
409886.6	415739.8	354656.9	443564.4	433394	358902.5	466971.2	422313.1	TRUE
288777.8	320868.2	283684.7	303128.3	319451.9	284743.1	308217.1	353470.4	TRUE
159325.3	153543	132998.6	147902.8	158819.2	168383.6	165624.7	180999.4	TRUE
230283.4	277709.5	367392.1	423336.8	291344.7	231005.6	248039.7	236472	TRUE
731626.4	777836	1045865	1088030	917490.8	741040.7	724024.9	765676	TRUE
66355.4	68180.2	62035.4	77527.6	52128	75725.4	89144.7	78887.3	TRUE
555329.6	691400.1	461970.3	635370.3	712639.3	468882.9	759665.2	684557.5	TRUE
116525.1	135265.8	94581.8	103613.5	115238	104121.1	112590.3	122359.3	TRUE
19900.8	9072.3	16242.2	13154.3	10184.7	18567.5	26013.4	25343	TRUE
65096	59414.2	70077.6	45415.6	73568.7	58671.3	50321.6	79895.4	TRUE
880710.5	981207.9	714050.7	859262.6	899139.9	708857.7	999924.5	918008.7	TRUE
965848.7	904367.2	1050680	1135758	859548.1	981276.2	996551.6	930388.3	TRUE
99820.6	178465.6	122633.1	232505.5	158524.8	83133.1	71339.2	88229.7	TRUE
53111.5	71470.9	26443.3	45175.2	60242.3	46076.2	91696	95430.3	TRUE
43714.9	41782	30169	29970.1	35870.9	23339.1	47549.9	40826.3	TRUE
82195.7	85715.3	74474.7	76060.1	78866	65224	81209.2	81725.9	TRUE
156549.8	147838.9	145922.2	167985.8	156738.9	101843.9	158353.9	149526.5	TRUE

53561.9	44828.3	52224.3	49875.9	53789.2	46756.2	63621.5	54629.1	TRUE
148762.1	156833.3	201593.6	182995.9	147207.2	157285.8	167900.5	159044.4	TRUE
92672.6	74374	69032.7	80301.7	49941.5	63490.8	85873.5	65742.7	TRUE
42843.3	29385.5	25382.2	47258.6	48122.6	26998	35310.5	56408.6	TRUE
1153709	1476092	775651.6	1177352	1016822	848964.4	1348928	1051580	TRUE
2282654	2598601	1997366	2043223	1849559	2360940	2728385	2134067	TRUE
160734.5	147779.7	148960.7	200222.1	109043.2	135148.7	164436.2	164506	TRUE
102553.9	103449	51790.8	90649.9	99827.3	61610.5	86614.5	86467	TRUE
154578	181178.2	229738.8	173215.9	129909	199873.4	180913.5	199727.7	TRUE
195634.4	175452.7	190025.8	180032.1	183650.9	171748.5	195594.9	195154.4	TRUE
324739.8	337058.7	251637.2	248131.8	351088.5	245475.6	345224.6	338575.8	TRUE
90566.1	86135.7	82994.3	85845.6	81746	84882.2	89236.3	103369.5	TRUE
214434.2	220339.1	212950.9	201057.1	206744.2	169480.8	206234.9	173248.8	TRUE
192047.9	231807.5	198065.3	232097.8	178093.6	159166.6	242658.7	168726.3	TRUE
397627.9	418907.1	449874.5	411412.5	366622.2	347060.7	403684.6	328354.7	TRUE
829353.1	861708.8	493208.9	614032.8	735520.5	504525	787784.9	692160.6	TRUE
274989.9	299315.1	292405.9	348896.1	376221.2	281575.9	352007.8	306249.5	TRUE
88161	75113.2	76764	104186	96155.8	88150	103150	100175.4	TRUE
40239.3	98265.9	52266.8	66942.1	76942.8	32115.5	25865.7	29695	TRUE
39842.3	82585.4	42791.9	77603.9	85475	34723.8	38863.9	39329.2	TRUE
4484011	4014911	4831003	5037612	3384797	4012198	4189883	3991996	TRUE
150081.1	184199.1	109044.7	188365.7	194746.7	163576.7	212733.5	175698.7	TRUE
177435.5	147829.2	196266	237050.8	156488.3	162996.6	179644	169282.9	TRUE
84582.7	78866.3	60915.9	60653.4	81895.3	104524.8	105144.4	98671.7	TRUE
26725.4	29930.5	32261.7	33827.8	32462.6	29979.4	27576.5	39161.5	TRUE
113637.3	138422.6	184885.1	137313.5	111415.7	130153	117543.3	120506.9	TRUE
85465.2	72418.6	69321.4	70202.6	69014.9	75510.7	72371.7	80035.9	TRUE
134225.9	145427.3	85783.2	108519.5	112697.8	92678.5	115324.4	125837.8	TRUE
190361.5	194628.5	197965.1	236052	204264.3	179858.6	230854.2	204213	TRUE
76896.9	75080.2	47421.8	87098.2	71749.3	64883.7	96507.2	100710.9	TRUE
1183897	1137762	1114564	1145898	1062703	1215509	1244849	1313597	TRUE
60956.6	65003.7	86453.6	78292.7	72863.3	87015.2	64956.8	75431.6	TRUE
39835.6	43227.4	51442.5	48048	50595	32492.9	43826.1	44828.9	TRUE
2123830	1995964	1770447	2105079	2151022	1826977	1979525	2070162	TRUE
1180015	819712.7	885076.6	1046671	927038.3	1326108	1006896	1388765	TRUE
94805.5	56454.4	71692.5	57621.1	68075.6	96310.6	82435.2	89717.9	TRUE
89745.8	92834.5	77563.4	95768.3	88665	69665.6	105203.6	104421.8	TRUE
1899646	1901306	2059314	2124956	1891729	2295362	2062387	2239522	TRUE
37658.4	40315.2	38698.5	39832.8	54677.1	51171.7	42887	50092.2	TRUE
112478.8	110873.5	127456.3	170100.7	160416.3	166968	191736.5	190585.6	TRUE
86616.2	91390.4	94561.7	120439.4	147614.5	142088.9	144288.7	131047.8	TRUE
42907.9	55235.5	35091.3	68557.8	40247.5	44772.3	50720.7	43897.1	TRUE
141848.2	99137.2	105598.2	95127.9	96485.9	118066.1	133282.4	159393	TRUE
211175.8	206551.7	173693.6	221679.3	221260.6	196957.5	193705	248852.3	TRUE

432952.9	378292.7	427625.7	496550.4	459340.4	446505.3	443649.6	506138.7	TRUE
361684.6	325787	310104.3	378522.5	399376.9	329072.8	353783.3	414272	TRUE
128329.9	93772.4	113245	135534	113266.1	113858.1	142242.1	123885.8	TRUE
745686.3	759891.4	758369.8	754370.7	695096.3	843011.3	798668.1	897710.6	TRUE
589209.8	578174.6	543663.6	501610.9	541678.5	633017.5	596743.1	609289.9	TRUE
85187.9	154275	104591.6	158011.3	134599.1	86917.6	79278	87607.8	TRUE
323704.1	365307	265242.5	305146.4	252006.4	368784.3	328386.6	329930.7	TRUE
479993	476680.3	461168.2	473763.7	427761.2	509063.7	503349.8	494774.3	TRUE
264391.5	258315.8	231704.5	269990	267427	240734.1	256465.6	326379.2	TRUE
275566.5	284867.2	325856.7	279222.8	244727.9	349342.7	239887.8	270854.2	TRUE
157459.4	177242	149965.5	138871.4	179728.2	145395.7	141388.9	147013.4	TRUE
675242.9	569576.9	547939.7	629249.2	677057.6	565182.8	543478.3	639435.3	TRUE
91932.9	98846.8	104933.7	134155.6	96514.1	128004.3	140193.9	109868.5	TRUE
141282	142746	123270	137748	122066.4	139605.6	152779.9	166484.9	TRUE
510957.4	481700.2	461429.1	504382	523851	496167.7	528100.4	545573.6	TRUE
514304.1	471242.6	435943.4	499153.4	496193.9	563745	491988.5	544805	TRUE

21616.7	10993.6	19837.7	27003.8	18027.9	14976.3	12853.7	23449.2	TRUE
196973.9	211959.7	140290.2	430690.8	212181.7	142174	236906.2	221010.4	TRUE
223516.5	214799.9	171887.8	490438.7	276885.4	187866.1	241190.7	271872	TRUE
70408.5	85168.8	72831.4	69114.1	96534.6	59106.6	71029.1	104678.2	TRUE
23014.3	29769.7	15874.1	23362.3	19895.8	24639.5	19586.1	24192.4	TRUE

24886.6	32472	29598.9	7838.8	27839.3	18877.7	26166.7	26934.3	TRUE
65089.8	81013	45752.2	64138	68921.2	46972.2	54870.4	59270.7	TRUE
64462.1	58762.9	42708.7	40346.4	57823.8	43215	51502	57422.8	TRUE
112696.9	92804.3	109289.5	119653.1	137655.6	111064.5	110818.2	138537.6	TRUE
62622.9	75772.2	57255.1	49674.7	83259.7	53378.3	65764	88791.8	TRUE
46525.4	44748	57407.5	51787.6	37015.7	41193.1	53588.2	48931.1	TRUE
35448.8	30107.3	18108.5	21603.2	21574.2	19040.1	35418	32368.1	TRUE
167627.3	175663.8	174435.2	188070.2	200587.7	164234.2	157102	185508.6	TRUE
795923.9	700553.6	628531.9	728139.6	796755.5	689534.8	750853.2	828598	TRUE
3835699	3391333	3576309	3623173	3256016	3870562	3910097	4080371	TRUE
323172	246162.3	172703.8	250519.1	292488.8	231611.4	328013.1	324852.1	TRUE
332563.1	415908.4	334912	459483	300955.6	421527.1	518224.3	436424.4	TRUE

1082619	965288.3	724433.5	908540.8	925174	729373.6	866298.9	928231.9	TRUE
548342.6	528484.5	425890.1	481903.3	556496.7	409954	454519.4	518585	TRUE
293335.9	296062.3	306855.8	287782.5	339356.9	375616.4	307527.3	301355	TRUE
1574202	1459994	1465008	1336984	1449050	1530509	1651803	1558058	TRUE

171829	153257	112767.2	110531.1	120768.6	121392.7	111054.3	137380	TRUE
42813.5	46862.4	45950.4	45790.2	27045.2	46336.4	36894.2	23112.7	TRUE
200961.5	203333.1	146598	165887.2	174931.9	145607.7	151392.5	167771.8	TRUE

136981.6	140218.8	112088.7	161764.9	132104.3	119055.4	136966.5	153794.2	TRUE
235190.6	228986.4	236663.3	227608	253453.4	205474.7	251763.4	240147.7	TRUE
170842.1	131416.6	167509.5	228839	204246.1	169990	166583.3	179309.1	TRUE
69218.6	71209.6	60381.6	94951.7	78889	62500.2	60879.9	65800.3	TRUE
38807.1	62176	57418.3	70223.9	60959.8	39762.6	47466.4	43800.2	TRUE
243430	234577.8	256976	284551.2	250243.8	308289.7	292861	271318.2	TRUE
1130230	1091714	1031978	1147046	1018990	1253579	1260716	1316922	TRUE
36753.4	48341.1	30799.2	55492.2	50112.2	11435.7	8474.9	8724	TRUE
442393.5	439199.8	395574	386214.7	523605.3	381186.1	374390.5	394582	TRUE
50796.8	31414.7	51120.8	48769.2	34276.6	71738	51440.7	52722.2	TRUE
74404.9	72667.1	72133.5	79135.1	85661.1	89279.3	62504.4	73250.7	TRUE
650358.6	579284.5	590936	761790.8	721234.4	663062.1	553386	705147.6	TRUE
88413	102654.1	77916.3	91887.5	87316.4	82643.3	81455.4	95483.5	TRUE
210628.7	213210.9	181389.7	207521.3	241592.2	234542.9	216066.9	218794.6	TRUE
598682.6	600976.8	518810.3	527305.3	652056.8	677796.6	577679.5	708859.7	TRUE
238169.4	216000	214094.4	208678.6	240817.9	238842.3	254795.5	278978.8	TRUE
1146350	969692.4	1298845	1403103	1220991	1269416	1137599	1188790	TRUE
90380.2	73596.4	71923.3	94583.4	89259.5	82303.9	77389.1	96737.2	TRUE
646417.4	495985.9	601937.8	684969	618228	689732.2	531992.7	645589.7	TRUE
402066.8	346278.1	340126.8	410774.9	390713.4	388230.6	319896.3	391392.7	TRUE
47489.9	49115.9	51396	50426.9	65108.9	61941.5	52306.7	69882.7	TRUE
88367.8	106422.4	52903.6	110357	222866.6	60877.1	101707.2	214659.2	TRUE
47552	90480.2	47609.1	64733.1	22695.9	67135.6	85381.5	57219.8	TRUE
115484.7	75053.5	82130.5	50434.3	113847.1	69627.8	77453	89383	TRUE
88650.4	92098.3	63231.2	122184.9	164123	66427.1	88342.8	131439	TRUE
116232.8	125993.9	97478.3	115880.6	198607	97502.1	109353.6	190216.5	TRUE
33362.2	26343.9	24004.9	30114.5	45754.2	29366.5	33040.1	47501.6	TRUE
72130.2	96590.4	88151.6	78644.7	63299.7	73409.8	94289.3	81243.2	TRUE
332153.3	400862.5	312259.1	338582	312591.1	319924.6	392660.5	323412	TRUE
29918.4	45467.2	50854.2	45143	19257	25734.4	42764.9	27990.2	TRUE
41522.5	23832.1	26759.5	33323.9	34932.7	29584	13874.9	40400.2	TRUE
172840	153678.2	143088.6	163547.7	185676.4	161724.9	132307.8	197041.8	TRUE
76650.1	45843.8	93052.3	101169.2	101156.9	99270	67035.1	111194.4	TRUE
168320.3	152622.7	123879.6	138233	169923.5	193918.7	172822.4	169310.2	TRUE
19641.9	25385.7	21527.5	24910.7	22091.8	18859.4	19200.3	19914.5	TRUE
217105.3	186265	208268.9	233141.4	227564.2	222152.3	183478.1	217242.3	TRUE
477259.3	377110.2	466919.3	504171.9	492198.2	473963.3	449070.8	517451.4	TRUE
481920.8	429166	408301.1	410086.5	525351	517248.8	475996.2	508620.1	TRUE
439378.5	428166.2	317431.2	351961.9	424972.7	488304.9	437311.3	466593.5	TRUE
57346.3	48651	55015	67299.7	53506.5	63415.3	64410.7	55459.4	TRUE
60506.1	59944.4	73060.3	64864.5	76656.3	72777.7	73892.5	84232.3	TRUE
55729.5	32757.3	51950.9	49253.9	58432.8	58911.1	60403.4	56297.7	TRUE
48342.2	58019.6	53671.5	60843.9	54157.4	51758.2	41347.9	58394.9	TRUE
509899.9	403202.7	484869.5	518121.8	578955.6	508869.3	442228.8	555577.4	TRUE
128618.1	107218	141707.1	118452.9	122844.3	134636.8	126162.6	117137.5	TRUE
186839.8	144219.1	196197	191674	158437.1	190774.1	173031.4	164823.2	TRUE
324330.4	259708.2	279291.8	311584.6	331837.4	332941.9	251791.4	306105.1	TRUE
87791.1	69666.5	102435	64500.3	69884	119798.5	57664.1	72536.5	TRUE
194236.4	213459.8	169012.1	181703.4	196921.5	214307.3	197312.4	222407.1	TRUE
639428.3	721851.2	460742.3	574089	626668.4	555872.3	697646	629637.1	TRUE

188398.2	158734.5	144792	147598.2	149308.7	178862.9	143798.7	204399.8	TRUE
34018.1	30550.4	20306.6	34116	25521.8	43320.9	38653.6	40222	TRUE
16788.5	18890.3	18000.8	23475.8	18732.4	21113.2	20990.3	19832.6	TRUE
89098.1	91363.1	90200.2	66410.4	56361.5	94454.5	111590.7	85073.4	TRUE
78635.7	79361.6	75948	84920.3	90882.7	77654.2	102811.8	80109.5	TRUE
43231.8	57641.7	54445.4	59437.7	60061.6	143600.3	79929.6	57525.5	TRUE
169341.3	203977.2	181204	131451.2	148889.2	187328.8	252986.8	140848.9	TRUE
303862.5	402127.3	334338.9	231310.2	268887.8	328500.2	466600	282427.4	TRUE
516519.4	435657.1	722893.6	680007.7	566818.4	385598.8	491049.7	439276.2	TRUE
63157.1	91008.2	63170.2	35607.6	53804.4	57753.2	60931.8	35011.9	TRUE
163763.7	191715.1	148880.4	145390.3	149360.4	186816.4	213298.7	155773.2	TRUE
64960.6	76581.9	81672.2	46371.7	54222.3	68927.1	69008.1	55253.2	TRUE
123041.4	161856.9	157649.8	88593.8	78215	153548.2	175526.8	84468.8	TRUE
258244.6	281291.6	305407.5	181655.9	183824.7	317106.7	310382	188454.1	TRUE
199859.5	119971.2	297535	286369.2	248209.8	137417.2	159279.5	151169.5	TRUE
104210.7	81149.8	142798.1	166162.9	138299.1	87628.5	108279.6	215025.1	TRUE
238204.9	286743.4	258845.8	200894.4	198953.4	256301.8	299727.6	174483.4	TRUE
19704.3	27598.8	23796.5	7015.8	19408.8	36340.4	27494.3	8836.9	TRUE
104393.8	152915.1	83764.9	55515.7	74635.1	88151	142061	74214	TRUE
942988.7	643446.8	1138658	1217945	1129905	631219.1	686537.9	641994.9	TRUE
202172.6	154130.7	238042.2	287392.5	264370.3	182231.9	159893.2	177282.5	TRUE
89991.3	117613	97974.8	55605	64114.4	97609.3	121659.6	64536.8	TRUE
145974.2	132143.3	136491.7	128305.3	103854.1	156312.7	158088.3	127000.6	TRUE
92533.2	95005	120020.7	65468.9	80840.5	126240.4	111550.4	73559.2	TRUE
48305	60697.3	50845	43874	53323	72615	76660.3	37049	TRUE
74409.8	125084.5	101909.3	69510.9	121112.9	107972.8	120040.1	96959.2	TRUE
61526.4	86148.1	96566.5	57294.2	60029.6	65793	90806.6	60828.2	TRUE
205584.3	195842.4	204509.1	200896.5	184787.4	227700.2	221047.2	181967.7	TRUE
97873.2	118031.9	73146.6	75193.8	71361.2	92012.3	107212.1	74702.2	TRUE
25033.5	28896.8	26878.4	11248.2	27497.4	19741.2	34614.4	6701.5	TRUE
216688	215215.2	213221.6	177800.5	199287.9	223679.9	214159.7	182418.8	TRUE
800817.6	630794.4	1037367	1054330	876778.3	621265.6	631738.7	609330.1	TRUE
85806.8	110737.2	63826.1	115326.8	97411.4	55704.6	110920.5	111363.1	TRUE
137517.7	169253.2	91143.6	126047.3	87699.1	116039.3	126405.9	91327.4	TRUE
145742.2	130317.1	170776.2	147740.6	111397.7	168681.9	152679.7	130988.6	TRUE
53832	55087.2	55062.4	42157.3	54615.4	43818.3	57591.7	43505.2	TRUE
26927.6	11927.5	22936.6	39015.4	9316.2	28906.3	31864.5	26209.2	TRUE
93332.9	126662.3	205669.8	170650.3	140649.4	99115.6	131704.3	98047.6	TRUE
34442.8	34493.1	40033.2	37614.9	26990.2	32312.8	35287.3	33578.2	TRUE
1698869	1336736	1998974	2014713	1719220	1709991	1399876	1637175	TRUE
106106	143459.6	87240	88632.8	119034.4	103693.4	129019	125896.9	TRUE
80595.4	76703.2	71451	87111.8	79908.9	75008.2	90321.2	72910.9	TRUE

40178.4	65801.5	32408	42215.5	50528.1	42344.4	42455.8	48007.1	TRUE
360491.9	262127.6	399864.9	425980.9	405659.5	449220.1	313849.3	374325.7	TRUE
564660.7	478187.5	544793.2	585920.7	615551.2	598976.3	525886.7	554914.1	TRUE
511399.8	291192.7	543284.3	513233.4	549903	463071.1	335330.3	432632.3	TRUE
494174.5	391691.8	459034.4	457627.7	544934.6	463346.5	337801.2	391228	TRUE
21312.3	18189	21227.8	16775.1	19154.5	20566.2	20913.6	8078.2	TRUE
590563	582347.1	438710.9	445829.6	377951.8	463753.8	490446.6	390170.8	TRUE
91685.3	106096	87227.1	66866.5	70221.6	60520.2	79023	63850.2	TRUE
74860.2	68922.2	78312.2	84684.8	83933.4	61872.8	60470.8	46827.7	TRUE
131137	146446.8	141430.7	134268.5	139894.8	162918	151474.3	133422.2	TRUE
81686.3	78785.9	84951.1	70776.7	87873.2	90761.6	75762.1	72625.6	TRUE
252984.5	199139.9	287264.7	230439	293053.4	227949.5	199503.4	235454.7	TRUE
522441.3	440666.9	599559.1	580396.5	546725.4	525870.4	444973	550284.3	TRUE
111108.3	116367.6	83188.1	149356.7	95601.9	79497.3	105539.2	95649.8	TRUE
44192.4	48551.3	38933.2	31564.5	48865.9	42063.7	63300	48521	TRUE
51836.2	53387.3	52735.5	40789.6	48828.5	46894.3	60632.5	38688.5	TRUE
122958	127513.9	157985.1	144406.8	128932.1	162684.6	133737.6	140390.8	TRUE
79356.9	66499.5	95370.1	98020.3	125855.6	129613.2	116591.2	104452.6	TRUE
48864.9	56556.5	51283.6	43237.6	40865.7	55929.6	46710.3	45133.7	TRUE
44258.9	33891.7	34358.8	25973.4	39905.1	32274.3	23710.9	31782.8	TRUE
53166.7	75899.3	45743.9	54862.1	53557.2	49613.1	48626.5	36762.3	TRUE
56461.4	59475.2	63382	90592.4	53386.1	61384.7	54051.8	72221.6	TRUE
209948.7	206109.1	252301	273084.3	258676.9	300576.1	237185.8	237316.6	TRUE
85202.4	94300.4	98052.3	78112.2	89116.3	89387.2	94763.9	109583.5	TRUE
634460.1	526102.4	560304.7	566393.2	700803.3	634008.4	547467.3	698045.6	TRUE
126479.2	114990.6	94285.2	89149.1	89673.7	80960.5	110913.1	92131.6	TRUE
158463.7	166672.6	83630.3	142179.5	157927.4	89358.9	183229.2	123937.4	TRUE
42319.9	49326.7	67805.1	65647	75431.1	72683.5	53166.1	84891.5	TRUE
140607.4	155837	136610.4	118299.2	229256.2	172865.1	130000.2	141248	TRUE
106568.7	88381	98103.5	93248.8	80819.3	109142.6	90347.4	80011.7	TRUE
69800.5	84203.4	128103	87087.6	99841	59770.9	55202	63318.3	TRUE
28981.9	25402.3	30822.9	32509.3	32687.1	31343.6	34847.5	30400.7	TRUE
496930.8	531050.3	478483.2	496187.2	547919.5	597556.8	545452.1	537370.1	TRUE
516203.8	443959.1	474485.6	517426.7	688892.4	464375	467271.5	499615.9	TRUE
321312.7	255056.8	177791.9	244533.8	270142.6	306940.5	261311	361405.4	TRUE
851542.5	828091.9	836690.1	965180.5	868071.9	916675.5	865653.5	966784.1	TRUE
34802.2	42902	68363.8	49575.8	35474.1	58815	39275	39005.6	TRUE
40782.2	26761.7	38394.7	54322.2	43288.7	35903.5	43006.2	35973.5	TRUE
433064	419620.7	356655.1	482966	305227.3	367520.5	500550.5	345263.7	TRUE
384845.8	285623.9	382149.3	405213.3	338567.6	452615	297834.9	399621.9	TRUE

209221.7	269855.7	190747.6	252097	343236.6	220447.8	293976	329940.1	TRUE
256668.2	211938	174871	236836.5	145451.1	166839.4	233138.9	182132.9	TRUE
78291.7	115186.8	57170.3	71768	71998.9	60613.8	78181.5	76982.8	TRUE
230310.3	215306.1	186545.8	225289.7	250964	208697.6	290034.2	263849.4	TRUE
172701.9	177514	125025.4	215160.8	178265.5	115965.6	218669.8	187669.4	TRUE
203393.7	201585.1	150202.5	203310.8	236389.1	168678.9	240091.7	223034.5	TRUE
210508.3	200388.9	171747.6	186895.1	256377.8	173140.4	233482.6	235572.7	TRUE
1156371	1221140	787551.7	1025368	1285076	907508.2	1282707	1336260	TRUE
939873.8	1028067	688049.2	862067.7	1069889	771663.8	1114130	1124130	TRUE
140126.8	132591	106644.1	162426.2	167443.8	131806.4	129979.5	135869.5	TRUE
75921.4	65393.7	58540.7	59443.7	75475.4	54717.9	59175.6	61703.5	TRUE
185310.6	235278.8	150317.3	166984.6	192395.4	160540.5	225521.6	185690.5	TRUE
35007.6	37228.2	39663.4	31734	44357.6	29808.8	30900.2	30402.7	TRUE
33312.2	32421.5	31812.5	35190.6	44182.9	23049.4	39909.5	32054.8	TRUE
29040.9	35821.3	21403.5	37692.6	27526	20666.4	28856.2	12288.4	TRUE
75793.9	73011.2	63303.6	74663.7	75980.2	65359.9	46715.5	77897	TRUE
59124.1	53376.7	44990.5	52153	66748.2	49312.9	61797.3	79006.9	TRUE
180318.9	192048.3	237499.5	199664.2	164888.4	207373.9	213371.2	204317.2	TRUE
1227282	1274944	1386620	1465468	969026.8	1131216	1367723	1163513	TRUE
34865.3	65395.1	67879.7	54816.4	55476.4	42162.9	44409.4	36136.8	TRUE
32627.8	94122.4	57219.1	87981	75596.4	6786.2	11846.4	13452.5	TRUE
42949.3	35644.5	49476.7	37549.8	34693.1	22040.6	35499.3	41183.9	TRUE
541147.2	557409.1	432830.5	627700.4	607187.6	505296.7	576645	642114.2	TRUE
124685.1	155559.8	140092.8	135703.2	121053.1	141791.6	111975.9	158090.7	TRUE
82243.3	106956.5	108612.7	99053.1	96962.7	59167.6	85815.7	80379.9	TRUE
65904.6	71025.1	67383	74178.6	52501.3	66049.8	57998.4	57029.9	TRUE
94183.8	83208.7	82969.6	98253.4	89327.2	78933	104640.2	102898.8	TRUE
67408.9	62944.1	58120.9	76703.1	63126.4	84103.9	84197.3	88136	TRUE
49481.4	50448.7	33212.2	46911.9	67942.8	41526.5	50758.3	52225.7	TRUE
81381.1	87275.9	97719.2	84575.7	98206.9	68488.1	77648.6	65238.8	TRUE
234662.3	234337.9	254005	295425.5	192390.3	231455.3	245219.8	250486.2	TRUE
66451.2	67282.2	109854	75481.1	71778.6	69408.2	72168.1	80086.4	TRUE
198652.3	184364.3	165748.4	192556.7	193322.1	152374.5	271565.4	174996	TRUE
26213.3	20297.1	18797.5	11843.8	25142.6	24265.7	39047.6	39487.1	TRUE
73680.3	165101.6	298211.3	110493.4	108036.8	77688.3	153782.5	84947.1	TRUE
63271	52110.4	55353.7	61031.1	63171.8	51290	70221.3	72004.6	TRUE
39308.7	41429.9	28490.6	39265.3	49480.9	42995.1	58329.1	44479	TRUE
97658.6	93727.3	85526	103057.1	97203.1	108697.9	97386.6	122775.6	TRUE

61863	58623	62792.7	71344.7	73606.1	70022.5	71752.4	67899.7	TRUE
32014.5	42503.7	35016.4	38182.3	42660.7	41450.5	32786.5	42636.4	TRUE
21457.4	18618.4	18538.6	18277.8	26063.2	21800.1	21554.6	26221.5	TRUE
136344.6	122704.9	122452	123386.3	93920.4	131745.1	127200	138463.3	TRUE
279109.6	183192.6	192870.1	243973.7	186835.6	216887.5	228323.3	271822	TRUE
281738.5	248324.3	274240.5	330939.3	202404.4	304043.8	314145.1	313415.5	TRUE
110803.7	95970.7	59814.9	76104.1	103943.3	84152	117380.7	153897.5	TRUE
305046	231859.1	291292.1	231152.2	266935.2	340264.5	309313.3	318744	TRUE
93488.5	102341.8	101892.4	117001.9	87685.1	120989.7	105175.8	120416.3	TRUE
111065.6	163691.5	146407.2	163250.5	177149.6	122896.6	168182.1	91240.8	TRUE
54786.4	60102.5	46552.1	44200.7	57041.9	55711.3	69613.8	42741.6	TRUE
193661.8	210046.9	209120.6	230563.6	129305.7	139122.3	183586.6	147284	TRUE
80274.9	66185.3	53521.2	52506.3	106797.6	62374.5	91252.8	90066.9	TRUE
125696	133143.3	117642.9	87147.4	143753.6	104889.4	128336.5	120427.6	TRUE
23734.9	24179.5	28880.1	6819.4	25521.9	30774.6	37819.1	30988	TRUE
42706.9	138005.1	47610.3	104396	169773.3	18879.1	10182.1	26704.3	TRUE
963355.9	1179432	1440138	1292928	691606.6	853476	1227693	825469.8	TRUE
4117568	5026971	5661546	5357713	3131224	3685655	5489534	3618742	TRUE
12587814	12386845	13901167	14748983	9880263	12004698	13073563	11975098	TRUE
750367	762231.9	560831.6	638170.5	747079.3	589658.7	786053.7	722003.6	TRUE
260411.2	278796.5	188483.2	264886	252920.8	207963.2	275549	234694.8	TRUE
815695.2	841979.4	603991.6	670702.9	811535.4	613607	783968.6	814705.2	TRUE
250853.9	284983.3	225515.7	251055.6	261059.9	223206.4	260491.2	243779.8	TRUE
86073	182490.5	84683.9	190324.2	186074.7	58989.8	45324.7	75325	TRUE
78497	170743.7	88436	142109.3	164633.4	71178	67391.3	73451.1	TRUE
3396276	3094965	4333278	4514210	2847968	3310699	3745505	3373553	TRUE
2402479	2188179	2906183	2997569	2027930	2254907	2557921	2418373	TRUE
37650.3	29472.8	40511.5	49696.3	27671.3	36114.5	37225.6	34746.8	TRUE
18317.5	21604	18323	29040.8	7892.9	11211	25773.1	11215.7	TRUE
58286	67514.1	70000.2	88162.9	48279.6	63430.6	56645.5	44424.1	TRUE
28200.5	25071	30343.8	29059.3	31390.8	47209.2	28749.6	22836.8	TRUE
59521.1	67258.3	55010.2	71433.7	48577.3	64909.2	48937.5	70569.6	TRUE
75006	57874.5	74213.1	73030.7	51075.4	63083.4	72984.1	68182.4	TRUE
41993	48732.9	58511	51813.3	43952.5	55545.3	48454.8	43935.3	TRUE
35230.3	22795.5	30607.5	33242.9	27697.5	24581.1	27377.9	27855.8	TRUE
60049.1	48664.2	37803.2	58494.5	52377	78035.1	59248.9	69675.5	TRUE
8549.4	5331.7	8140.7	11330.8	14102.4	8054.2	9267.3	6574.5	TRUE
96434.6	114470.6	104889.6	149534.7	119092.3	81977.9	64417.9	61393.8	TRUE
75538.6	145550.4	125191.4	216895.7	166316.8	58888.9	56667.5	59035.8	TRUE
213958.2	254849.5	173523.9	168032.7	245285.7	173682.8	239783	197208.9	TRUE
225155.5	230985.8	262497	257042.5	177922.3	176361.8	209020.4	184953	TRUE
372769	431664.7	271204.8	326051.3	392978.8	315105.3	426294	396583.2	TRUE
39535.1	68191.4	46967	54908	78590	43036.7	69115.4	63161.1	TRUE
133605.5	163570.4	132618	115377	143396.1	120165.2	149395	137984.3	TRUE
260249	364133.9	224032.2	247263.4	263683.4	213565.3	291010.1	263274.1	TRUE
46619.7	89146.4	46514.2	64967.5	77657.4	28654.7	29000.3	31120.9	TRUE
83740.5	93530.1	91224.2	64196.3	79401.7	66048.2	70500.9	86684.5	TRUE

42903.1	62336.4	47596.7	44174.7	39196.5	29267.5	48336	48431.9	TRUE
63584.8	162631.2	62736.6	136299.1	152352.3	36141.9	42370.5	42662.7	TRUE
66023.7	74785.8	59855.8	75181	74341.8	62382.3	96617.2	85516.7	TRUE
43560.8	43064.2	40226.5	43895.8	43917.5	42952.3	49866.9	29943.9	TRUE
45930.8	42903.8	43639.1	29643	47961.8	28237.5	44397	41983.3	TRUE
74075.3	97744.8	63180.6	80941.6	102600.5	56356.6	109321.8	101672.1	TRUE
372953.8	395700.6	266858.5	301028.5	386460.9	237985.5	426286.8	419551.2	TRUE
373260	388871.4	413930	439135.1	349405.9	350167.8	405188	359457.4	TRUE
451078.3	509774.6	541848.3	531516.7	367116.5	422983.1	468432.9	404163.4	TRUE
74525.2	175849.4	122438.5	161018.2	109926.1	59230.9	51646	47015.1	TRUE
81500.1	198123.2	127501.8	219361.7	152090.7	52988.6	52944.5	57334	TRUE
41623.5	58404.8	71764.5	52360	56533	60483.5	80764.9	58346.4	TRUE
225020	219127.9	253731.6	291882.4	171275.1	199602.7	264750	210047.4	TRUE
155469.7	156899.3	114768.8	144340.5	130856.3	176392.4	142362.1	125015.5	TRUE
112340.4	106370	141720.9	131523.4	79652.1	95082.2	103891.5	93162.3	TRUE
35829.8	35136.4	22213.3	38036.4	33164.3	23056.8	31162.3	60342.9	TRUE
39308.1	37994.7	24849.7	31528.5	34183.3	32308.8	44881.8	52382	TRUE
6856898	7117658	4989324	5410135	7041477	5121160	8170029	6892701	TRUE
323395.8	337873	250892.7	283886.7	277945.5	280914.4	346811.1	289874.3	TRUE
234647.8	535405.3	332162.4	406742.7	586800.4	182129.2	174043.2	211703.7	TRUE
77324.2	75648.9	75269.9	86388.6	70228.3	85357.8	91588.6	81295.8	TRUE
143281	333397.4	294066.5	406151.5	312393	69997	103135.9	98648.5	TRUE
121299.6	135285.8	224942.6	125903.6	111810.6	134012.7	175246	177873.2	TRUE
85336.9	76892.2	69346.6	66680.4	67760.6	89722.4	91947.4	85623.3	TRUE
42539.9	69893.2	53432.8	34199.7	48386.8	52874.5	48162.9	40459.7	TRUE
58921.9	60182.4	57333.5	48248.2	68719.8	74649.6	69480.9	80954.4	TRUE
79069.3	66764.5	70371.6	78019.4	67188	74784.3	71999.1	60819.1	TRUE
92198	103767.6	75401.7	72673.4	87186.4	131272.3	147628.1	119637.4	TRUE
165815.6	264250.6	96892.2	175704.6	194674.1	90063.8	192729.5	207795.9	TRUE
325037.3	479035.4	136283.8	329009.5	460998.7	148442.9	402241.3	424938.6	TRUE
206736.3	325461.6	95001.2	186818	307558.3	106063	229774.5	261887.4	TRUE
171545.8	220346.9	153722.7	196255.6	224481.7	164186.6	222138.6	219656	TRUE
154419.7	227717.4	125961.5	207618.7	226094.5	143257.4	237056	230564.7	TRUE
93087.3	138137.8	76012.3	162078.9	183261.2	84228.2	182213.1	155856.1	TRUE
192097.8	297257.4	124518.2	228405.4	350593.3	139415.1	353335.9	357462.6	TRUE
82838.8	83258	69522.8	93505.7	116561.1	84686.9	110318.7	104694.6	TRUE
138901.2	160073.6	126489.4	179348.6	204181.1	133022.3	219841.3	220780.7	TRUE
65409.2	83920.5	45146.1	75920.5	76484.2	56468.3	82833.7	81458.8	TRUE
69610.2	82942.9	60497.9	67672.8	83602.2	60179.7	67664	72513.3	TRUE
37951.6	77347.6	31104.5	64132.1	62034.9	25375.4	46110.5	67844	TRUE
33592.8	70140.2	27903	59385	75039.4	22468	25368.7	29008.7	TRUE

40991.9	44779.8	22300.8	57822.8	72778.1	15362.5	30730.1	31789.8	TRUE
34982.4	37273.5	28321.7	34896	29905.6	22078.5	31606.9	38036.1	TRUE
61618.5	51153.6	47135.1	51858.4	44046	35221.5	42733.7	48566.1	TRUE
25757.2	27567.4	26856.3	28692.4	39002.8	32638.3	35527.8	36053.3	TRUE
307720	337383.8	349730.8	409284.1	244469.9	320095.5	348360	294344.6	TRUE
131108.6	210594.2	227403.3	229448.3	95805.2	173971.3	229185.3	167298.7	TRUE
1055342	1306170	1451376	1505282	790782.2	1024407	1444637	1038353	TRUE
91118.4	139437.7	136740.9	164071.4	77667.6	104083.8	141842.7	115184.6	TRUE
166276.8	218792	222339.9	235800.6	152715.7	176572.8	242523.5	187218.5	TRUE
49510.3	136679.5	112473.1	148392.1	76007.5	28124.9	32494.5	14198.2	TRUE
24807.6	26313	23138.2	34565.1	32475.9	32129.5	37434.6	33334.6	TRUE
68163.2	60856.2	56340.6	59633.2	72018.7	48955	62493.3	96429.4	TRUE
190820.6	212086.1	159707	155745.5	199222.1	141214.5	207528	193906.2	TRUE
276401	273971.2	272338.6	230518.4	236902.4	218334.8	286108.9	246097.4	TRUE
253946.1	244744.7	228371.6	232007.5	244865.1	230551.6	221197.1	244023.5	TRUE
224533.2	249241.7	206253.8	231935.6	256985.7	216484.4	216728.1	227172.4	TRUE
594874.9	633028.6	568616.4	606910	632391.2	595251.5	612601.4	611026.7	TRUE
169991.6	181989.9	154172.1	170570.6	190919.2	136200.7	188846.8	193435.5	TRUE
388825.5	393100.9	359464.5	498162	534217.4	416338.4	569412.5	494783.7	TRUE
103349.4	235167.4	116012.1	239031.6	259348.8	82177	92741.7	109560.5	TRUE
2938047	2588787	3415915	3513724	2629795	2619046	2854445	2535843	TRUE
1367135	1245488	1287427	1375749	1025666	1157236	1356752	1284535	TRUE
163896.5	161671.4	174395.6	157094	195533.4	177933.5	164015.5	146305.3	TRUE
176772.7	157384	190257.5	181462.2	170200.7	175411.6	183072.4	179241.3	TRUE
223291.2	241482.3	185193.8	192856.9	217694.1	211365	225634.9	224359.7	TRUE
142660.9	163588	97666.8	151311.9	141630.3	87433.5	143282.2	149393.7	TRUE
150989.1	139189.8	145338.2	156198.1	127962.4	156460.7	182561.9	170688	TRUE
323378.6	294984.7	343450.6	344840.7	293152.9	307768.3	329908.8	295286.5	TRUE
66587.7	86459.4	40372.2	48350.7	50000.5	49721.2	59320.2	41609	TRUE
247821.2	231746.5	197589.2	227410.1	223210.1	207500.7	267486.5	212032.7	TRUE
1202309	1253509	877388.2	1162079	1147812	923083.9	1275853	1114128	TRUE
125649.5	126868.3	100655.6	138617.8	115422	88130.8	126963.5	139615.9	TRUE
506568.8	502941.7	581587.8	570860.7	490191.8	530579.4	556234.1	531316.9	TRUE
127000.3	188453.5	123148.8	156289.2	155780.9	102692	165321.7	94627.1	TRUE
1247965	1175336	1273122	1347491	1096887	1204712	1096640	1167380	TRUE
1199792	1181880	999913.3	1133789	1084424	1073455	1197731	1030743	TRUE
323420.9	255528.5	340569	351495.5	367575.7	326066.3	357302.3	331012.3	TRUE
788947.8	694577.1	790463	773615.2	675381.9	746473.3	702985.7	736466	TRUE
4709902	4434235	5295854	5372601	4333008	4997983	4887308	4930317	TRUE
79769.5	154717.5	138438.3	164165	158135.6	48740.5	44157.9	45207.4	TRUE
899365	767982.4	746046.9	748240.9	687891.8	776728.6	693592.4	754937.8	TRUE
338877.8	347025.4	302300.5	365570.9	401203.2	317088.7	354708	361189.3	TRUE
593388	594184.7	440610.2	471554.3	635242.1	484586.3	586588.7	624347.7	TRUE
118156.7	138860.8	132671.9	131975.4	137839.3	127797.4	131738.9	130306.5	TRUE
317740.2	300738.8	310340.3	294847.5	328136.4	297028.5	310739.2	298836.4	TRUE
174322.8	197298.7	176360.5	181739.9	167305.4	156506.9	201533.3	150774.9	TRUE

852868.6	846125.2	809614.3	860029.8	892694.8	915741.3	964134.4	828848.8	TRUE
33509.6	32140.8	30253.6	26708.3	34010.5	28461.7	34379.9	30809.8	TRUE
63925.8	39936.7	49641.3	67107.2	77160.1	57047.5	73865	64086	TRUE
51232.2	78763.1	73952.5	87030.3	71235.3	57643.3	48195.5	57706.8	TRUE
20158.5	26324.7	40808.7	28767.1	23610.6	42754.1	34966.2	35634.5	TRUE
25646	7590.2	24372.7	10670.3	12408.2	29360.9	34462.4	18144.9	TRUE
42348.8	48841.8	42518.5	56560.1	47314.3	44524.5	45962.7	44496.2	TRUE
37303.5	23180.8	36930.8	27560.6	30651.7	51668.3	43580.1	40620.3	TRUE
68094.5	46170.1	54423.9	42375.1	34130.5	90938.7	79136.9	61453.5	TRUE
100580	81865.1	78153.8	122395.7	111179.4	134070.6	116355	107177.8	TRUE
295143.1	283353.8	236213.3	242868.5	211077.3	231224.2	255838.2	224208.3	TRUE
139918.5	126762.8	65747.8	94548.3	77835	82100.9	103665.5	83438.2	TRUE
171148	143177.7	138393.3	190685.7	183494.2	169384.8	156265.2	167809.4	TRUE
751884.3	700872.1	651390.7	763271.2	745301.5	708249.9	767084	806288.3	TRUE
2654697	2640459	2235695	2685072	2570481	2554012	2810761	2698547	TRUE
88758.7	94723.8	83808.2	59462.1	64782.3	76084	71669.4	68962.6	TRUE
58625.7	50173.7	55806	42480.9	48345.8	45014.9	58098.1	47702.5	TRUE
56493.8	111964.1	70867.4	99121.9	133207.4	39707.4	56328.6	50846.8	TRUE
74179.6	48947.3	57779.2	53188	59236.3	70260.3	53661.1	73345.5	TRUE
2782727	2457288	3264094	3271644	2770220	3033890	2854409	3125853	TRUE
99685.3	158204.7	129213.3	207143.3	180519.2	93551	80571.1	54910.5	TRUE
37148.4	87089.5	67198.7	90012.4	115905.7	35558.1	44512.7	17215.6	TRUE
130440.6	182574.7	136415.1	174405.5	214065.7	89470.9	88514.2	97702.9	TRUE
169088.5	161504.7	153415.3	186600.9	160289.6	194755.9	201220.3	219640.8	TRUE
49733	53189.2	52753.5	75076.5	49248.1	65431.7	56617.5	48494.4	TRUE
43362.2	52356.9	64083.2	49895.7	37403.9	48537.9	59372.9	52600	TRUE
50449.1	53859.3	51166.5	43801.3	29847.5	42108.1	65840.8	58643.4	TRUE
256587.4	306488	177329.8	328683.6	400139.7	172649.7	353916.4	375708.2	TRUE
192297.1	264300.4	115758	262854.2	285212.9	118350.3	294175.4	291366.2	TRUE
24354.5	51935.2	33031.3	38977.4	74827.2	32813.3	12832.6	24541.3	TRUE
22409.9	25114.3	21174.5	11417.7	28849.2	7735.3	22362.7	15099.4	TRUE
60544.3	40302.2	64562.7	60579	45972.1	44419	53307	50049.3	TRUE
216739.7	218315.2	183911.3	221535.4	237430.8	189793.7	244225.4	254432.4	TRUE
455449.1	602620.8	388915.1	444170	570951	396769.4	650333.7	538832.8	TRUE
321372.8	392003.2	290975.6	358223.8	434331.6	314521.4	392721.2	411459.5	TRUE
363026.3	471238.9	315153.4	507844.7	532413.2	399651.9	491095.2	451344.1	TRUE
383864.3	463897.1	343439.8	677297.2	686563.8	460863.2	607204.5	515225.5	TRUE
160504.2	141063.8	142752	140199.5	184315.1	144319.7	178918.4	160146.6	TRUE
169496.9	226016.9	171902.1	198396.4	230621.3	173377.1	217504.7	223856.3	TRUE
33304	26949	33955.8	31656.8	42142.9	34561.6	30503.1	39914	TRUE
35157.7	80112.3	38085.3	50086.4	79886.4	24067	25549.1	30475.4	TRUE
125176.6	105259.8	103676.9	105738.2	132762.6	96041.3	151738.9	120949.3	TRUE
73958.6	71904.2	69482.7	59745.3	86091.5	73569.6	83292	102332.4	TRUE
247420.8	301588.7	284686.7	291384.8	222941.5	248473	313763.8	246037.5	TRUE
319138.8	348966.3	396455.1	379489.3	263556.2	295337.8	409811.5	287427.8	TRUE

627921.3	679676.9	714520	699887.1	514447.7	671982.7	698924.5	615725.7	TRUE
959422.5	964507.3	1179142	1281056	861237.1	806800.8	1044654	927663.8	TRUE
972419.6	990660.6	1127894	1192273	901233.1	882073.6	1047203	938908.7	TRUE
460362.6	499385.6	463405.5	590092.7	395159.9	442149.3	517001.4	458172.3	TRUE
1646875	1703709	1538834	1783491	1480597	1581805	1781786	1726668	TRUE
43331.6	63832.8	52319	68141	52988.1	39892.4	36051.5	25363.1	TRUE
67812.8	93834.9	81940.3	82146.2	84973.2	59481.9	42594.8	40226.6	TRUE
46537.9	64171.3	68294	66491.6	36088.5	53613.9	74156	49187.8	TRUE
27325.7	26348.2	13006.6	16945.3	23272	9079.7	29721.5	15889.9	TRUE
28766.5	36260.1	32292.7	26945.9	31643.3	27944	32250.4	10690.4	TRUE
117603.6	127370	165387.7	153271	156166.8	105497.8	92976.1	95031.2	TRUE
85367.9	108829.4	89946.1	95088	101928.1	93206.4	89975.8	95558.3	TRUE
145565.6	126913.8	145976.1	161034.3	140673	173146.6	150715.7	167408.3	TRUE
54599.2	64751.2	63212.9	66748.8	58988.2	51053.6	56503.6	59072.1	TRUE
154940.8	145184.8	110501	145116.8	141897.6	125232.7	162574.2	143637.3	TRUE
59631	50191.5	50818.1	63965.5	67395	69475.9	74134.7	67540.2	TRUE
135950.3	155642.6	147831.5	175889.6	163898.9	175816.6	164129.3	159600.9	TRUE
68057.9	62587.5	83123.4	55748.5	60464.4	58017.2	75272.7	37293.1	TRUE
156435.1	149741.2	132961.6	151855.7	152950.7	155283.5	148230.8	203345.6	TRUE
83995.6	92059.4	86568.8	131834.7	104326.8	87989.1	103991.6	94776.9	TRUE
233344.7	228453.9	260288	224938.4	256983.5	264339.2	238089.6	273687.9	TRUE
114171.3	104693.8	151381.9	139528.9	158251.4	146075.6	171925.2	158804.9	TRUE
21421.5	13721.4	7955.6	14893	10295.1	20116.6	10341.4	18473	TRUE
15726.6	6876.7	8031.6	5593.1	24712.3	8488.7	7463.7	5330.8	TRUE
123766	96672.2	118981.6	128914.6	100508.7	190644.2	112477.4	215111.9	TRUE
488249.7	457410.1	377328.1	311690.8	441376.9	373881.8	424215.3	399151.4	TRUE
507745.1	427976.7	434904.6	369109.8	408712.6	429038.1	437562.5	399541.9	TRUE
153878.4	155293.3	131362.2	113662.5	124572.1	130202.9	153453.7	135963.5	TRUE
65727.2	79639.3	62075.4	58618.4	61546	63486.9	60699.9	70041.1	TRUE
77128.1	90141.6	70163.9	54660	81253.7	66538.3	62651.2	67822.7	TRUE
96526.9	103021.2	111413.9	115980.5	117670.5	114659.2	132685.6	122321.4	TRUE
113959.3	110817.7	118973.9	106981	133547.9	144725.9	160329.6	209362.3	TRUE
51578.2	51357.4	70551.4	74879.7	63240.2	56688.8	77189.5	52637.8	TRUE
23866.5	28072.9	23642.7	23127.3	30275.7	24192.2	21966.5	21626.4	TRUE
30182.3	24627.6	29226	25524.7	26531.9	25193	36343.9	22539.2	TRUE
40342.2	18127.6	37837	41391.3	23373.2	45143.8	49497.2	38046.5	TRUE
60201.3	38493.4	57645.5	68874.5	55208.3	48929.1	56283.3	59108	TRUE
38264.8	21734.7	34363.2	29744.9	37763.5	22330.6	34371	35474.4	TRUE
45036.5	42287.2	43066.5	41133.2	63372.7	44941.5	37310.5	60020.7	TRUE
43504	52553.6	28528.3	43599	71769.5	40801.8	41899	49158.8	TRUE
186057.2	201931.9	195515.3	196470.8	223529.6	215816.4	257317.5	235054.6	TRUE
31392.6	36102	39607.1	36043.8	45899	30759.1	40905.6	41482.9	TRUE
97645.4	132834.7	91585.7	93506.3	112045.3	89990.3	119518.6	100655.5	TRUE
24517.9	10783.5	12381	20544.8	6924.8	27992.2	27765.6	40172.8	TRUE
34089.3	23358.4	33311.7	36868.9	29512.2	27098.2	27909.6	32278.3	TRUE

39638.1	112903.5	53840.3	88504	95762.8	36764	26586.2	23536.8	TRUE
30652.7	40569	31661.5	34504.7	31435.4	24519.3	40122	43296.5	TRUE
299530.7	202724.5	231988.4	224577	249574.9	356910.3	308886.4	357886.9	TRUE
7362298	6755050	5712157	7348968	7911881	6346301	7013315	8431439	TRUE
110818.7	85204.6	84042.3	125274.6	99822.1	137914.2	112963.3	139095.9	TRUE
33592.4	63098.4	41888.6	75745.7	71785.6	11660.9	25950.8	23121.8	TRUE
541627.4	623876.4	491391.5	497095.5	478131.5	617733.8	655845.8	673449.6	TRUE
1072802	1170424	998918.6	1112631	933977	1114843	1177354	1158976	TRUE
472496.8	500751.9	398303.2	486509.9	539602.2	463701.1	504545.6	575436.7	TRUE
161205.7	107378.3	99007.1	130898.5	102428.4	86537.3	121509.5	132424.1	TRUE
659779.6	487596.9	336594.6	520316	471950.9	421593	555740.4	610332.6	TRUE
220668.3	227435.3	214538	262150.4	285905.2	260641.5	204477.2	242402	TRUE
474336.9	419000.1	416351	512507.1	639960.1	478048.9	488517.7	493968.8	TRUE
470204.1	356865.2	520933.9	431073.4	682009.9	510267.6	400665.7	614797.3	TRUE
254991.2	247704.3	189301.8	233894.1	205457	247337.2	268076.6	341742.9	TRUE
805095.3	785460.6	645731.6	792019.2	727911.4	793213.1	763482.9	714186.5	TRUE
182704.2	179875.8	188590.8	159275.8	175313.4	191286.7	183232	182497.8	TRUE
44462.6	48810.8	32162.5	47600.2	52206.2	40197.1	35232.9	38695.5	TRUE
494224	456229.3	412209.4	489103	482491.5	427256.9	410235.1	456624.3	TRUE
723955.1	665803.7	507905.3	668263.9	651620	562540.8	600606.8	637652.6	TRUE
155046.4	166559.9	151517	196440.5	188426.4	173352.3	180195.7	179463.9	TRUE
550596.7	551690.5	612372	574155.5	583189.1	598419.7	573482.5	624957.7	TRUE
341162.1	302961.9	363798.5	339672.4	375847.3	405048.2	346276.4	399742.5	TRUE
706546.9	705961.8	723882.8	676939.9	707775.5	781707.6	740409	775818.6	TRUE
2786493	2640909	2496507	2565136	2370084	2747323	2780419	2641905	TRUE
107732.8	72643.8	66506.6	114668.2	111501.2	127650.8	123985.3	137706	TRUE
86396.2	56032.9	55504.5	86162.2	59249.7	94779.8	95812.5	103560.9	TRUE
118713.9	85482.4	101099.9	83102.3	98544.8	128815	96119.1	141125.1	TRUE
102532.1	75097	80002.5	115138.3	78479.6	78961	91758.6	75014.1	TRUE
107098.3	121736	88164.3	91942.8	100003.6	75506.8	131257.5	86926.7	TRUE
920921.8	711795	740969.8	969763.5	778094.8	812246.4	796531.5	748775.7	TRUE
894290.4	606081.7	662952.4	697824.6	755446.4	917443.7	662962.7	908333	TRUE
209771.2	234476.1	221057.9	217978.9	197204	226732.7	219506.3	204177.4	TRUE
72354.3	89291.1	64540.6	84121.9	64050.4	66782	59851.1	64284.5	TRUE
38113.9	39701.1	42298.4	33977	36088.1	35844.6	51468.5	40140.3	TRUE
710514	589486.6	566635.7	672264.8	716257.5	637008.2	626557.9	721736.6	TRUE
155162.6	136688.5	125414.1	165501.6	149484.6	145620.1	156208.3	156246.9	TRUE
60421.1	48582.2	47159.5	60755.1	61072.6	65709.8	66877.8	95614.6	TRUE
116529	80618.5	90898.8	75129.1	108061	131602.4	131177.6	155520.3	TRUE

15150.1	12010.9	18058.6	13056.4	9885.1	15006.2	18821.3	14626.8	TRUE
513939.4	498215.9	409951.5	458873.5	469385.2	463169.3	498511.8	458255.9	TRUE
115089.2	104201.6	65697.6	71085.4	91215.5	73019.5	76135.1	99814.5	TRUE
189309	170119.1	171721.1	223437.4	195032.6	199263.6	230710	218838.7	TRUE
59313.8	60150.5	74537.5	120207.3	82625.9	75783.2	87682.9	98663.3	TRUE
41369.6	28660.5	57155.2	60838.1	49729.8	40229.6	43589.1	62661.6	TRUE
29689	28946.5	26602.9	38140.5	33576.3	34949.4	40919	39230.8	TRUE
8425.7	12175.8	9683.6	9719.8	9439	8541.6	10347.6	9269.9	TRUE
127173.9	311033.3	204269.5	260910.2	294396.3	87589.4	78156.5	110385.2	TRUE
114967.7	117726.6	133393.1	133918.8	115061.9	142218.2	156392.2	176182.5	TRUE
198763.5	254426.9	175713.8	266172.1	180099.6	237432.4	270100.7	221601.8	TRUE
66601.4	62508.7	48053.4	64061.2	91121.2	69206.3	89246.4	75705.1	TRUE
34212.2	43206.5	31942	37973.4	46422.8	43542.7	31890.9	57484.3	TRUE
295873.9	378631	271722.1	395587.6	263448	309244.3	551479	349731.9	TRUE
3117402	2941508	2651294	3316092	3422780	2913668	2913863	3288528	TRUE
325392.4	264432.2	325419.7	346970	371569.4	364491.4	283476.2	359123.1	TRUE
327202.5	264837.5	308176.6	378124.9	375234.9	374402	296398.9	380812.9	TRUE
430740.3	306938	449872.6	473418.7	428816.3	499419.4	342098.5	473390.2	TRUE
43917.7	45832.3	35196	30645.9	41127.4	33672.8	55946.2	40077.5	TRUE
137966.3	130854.4	115686.8	121155.9	144171.6	145116.3	138004.9	161674.5	TRUE
96362.6	108618.9	68456.5	71050.7	77464.2	99383.2	112738.6	124407.6	TRUE
170473.6	140324.4	174482.2	193847.3	192448.7	203742.8	128227.4	193597.4	TRUE
112052.3	109234.3	114222.8	67718.1	125894.9	131745.5	111783.9	152057.2	TRUE
39410.5	20924.7	15490	34310.7	26577.6	23482.8	11504.9	35569.3	TRUE
40578.6	36710	34180.4	53491.3	50874.6	44299.7	48147.8	43033.2	TRUE
122383.2	115261.3	107957.8	102488.9	117435.6	107777.2	123029.6	131072.5	TRUE
19779.7	10433.4	28693.5	9187	10070.8	17266.6	8756.2	8781.8	TRUE
23887.7	19557.9	19108	27914.5	20212.8	28685.6	27944	13426.1	TRUE
19288.9	6392	14227.4	11197.8	17698.7	19326.8	8254.6	24405.3	TRUE
47157	48817.2	52733.5	46309.8	46198.3	45850.1	33127.3	37571.1	TRUE
101974	79686.4	107027.4	86633.2	103385.8	116316.7	75602	91620.2	TRUE
274091	173035.6	237761.8	213059.5	158485.6	214856.4	163883.5	167556.6	TRUE
331511.7	246946.6	438596.9	478293.6	327449.7	415813.4	317344.6	353467.1	TRUE
609064.2	524340.9	439771.7	513303.4	674012.2	601998.4	533145.7	642170.4	TRUE

70808.5	59534.3	48022.8	63902.3	57972.1	77496.6	87365.7	65097.4	TRUE
87890.1	48387.5	53186.9	97215.9	71844	97647.5	73415.7	86717.8	TRUE
86736.6	105362.4	136855.2	79499	86561.1	95055.9	95838.1	91680.1	TRUE
105424.6	60586	95558.9	87405.1	105781.1	142098	120175.8	163572.2	TRUE
151582.3	134439	98638.8	133033.4	106498	123457.5	122709.3	129511.4	TRUE
1298141	994649.8	1371122	1349145	1490935	1383238	1127645	1419141	TRUE
217222.9	154897.9	170915.6	177802.8	162839.8	193259.4	192151.8	211873.2	TRUE
168101	107715.4	141333.7	150837.6	156239.9	176211.5	158044.8	199712.4	TRUE
121896.9	67984	110318.9	117390.7	130299.9	149074.3	134108.5	138016.6	TRUE
343803.4	292467.2	246389.8	294320.7	317439.7	346016.8	355129.4	359612.6	TRUE
214354.2	148295.4	158059.6	163544.4	193894.9	341413.3	243146.5	237953.9	TRUE
582790.8	380776.8	318832.5	347433.2	668811.6	661773.1	500711.1	696966.6	TRUE
226874.8	214507.6	244492.3	218907.6	219719.9	245199.5	232600.3	205655.7	TRUE
80804.2	79275.3	71246.9	78613.2	77491.9	82269.1	67601.4	97711.5	TRUE
131344.3	107129.4	84626.9	99941.2	134561.6	145187.6	137122.7	148169.9	TRUE
257160.3	244838.1	203773.2	196325.8	235351.5	280141.1	242761.2	271172.1	TRUE
164376.3	141017.9	109930	122131.6	184394.5	189424.1	192026.3	202824.4	TRUE
1216942	466860.7	1208355	549923.2	580491.6	665102.4	596175	486283	TRUE
734272.9	486126.7	742473.4	623796.3	524177.4	645385.6	467475.1	454517.9	TRUE
114824.8	88557.6	119483.6	129915	118676.7	113867.6	88566.6	118288.3	TRUE
84770.2	33298.3	96843	85193.8	44565.9	96734.9	67595.8	62268.6	TRUE
109645	88472.8	86123.9	80417.9	128694.8	126767	79296.3	128744.3	TRUE
32542.3	11196.7	29270.1	29331.1	22038.6	36894.1	33676.3	32452.7	TRUE
377816.6	261943.4	370621.1	395151.7	364470	416132	336304.8	420791.7	TRUE
52475.7	55192.6	65309.2	63360.3	70750.1	62679.4	50943	52806.3	TRUE
98962.3	58826.5	80064.3	98983.9	103857.5	92397.7	94944.8	92713.4	TRUE
86852.7	78704.5	100433.7	84623.1	87385.9	89278.8	88875.8	93467.9	TRUE
90013.2	94231.4	86358.3	93837.8	94141.6	96194.4	90731.9	87606	TRUE
83230.4	59450.3	72621.2	71834.8	68812.2	76849	78290.5	57232.8	TRUE
30056.8	23698.9	32439.8	14611.7	27608.3	32744.3	30440.2	38725.2	TRUE
5797833	5353199	4529870	4587057	5756117	5926109	5622059	6179537	TRUE
3289489	2592661	2275771	2351671	3317502	3552010	2884744	3605316	TRUE
101218.7	62093.4	89944.5	102556.5	95818.6	78227.7	76118.7	73751.2	TRUE
64531.8	56051.8	43349	53866	51680.2	53624.5	44477.5	58251.1	TRUE
59185.9	40265.7	29199.8	45013.5	46362.9	38238.7	30844.6	35424.7	TRUE
63271.5	85393.9	50743.8	71119.5	64642.4	56861.5	77090.5	57810.9	TRUE
106615.6	69588.1	83806.8	105866.9	91293.1	103592.7	93125.9	96779.5	TRUE
15299.4	8629.8	14919.8	5944.9	10993.8	17694.1	10456.8	6685	TRUE
22902.2	21072.8	17400.4	13053.9	22399.3	19889	28442.1	33646.5	TRUE

463865.3	399946.9	409009.5	362846.6	341661.7	406225.8	336839.1	311674.1	TRUE
337267.9	321981.1	442788.2	485282.1	436641.4	459312.7	358997	431061.1	TRUE
95531.3	84697.4	99344.4	85809.4	75556.5	91473.8	86017.9	92782.4	TRUE
55253.7	68506.8	50830.8	64213.6	60027.2	32804.1	43899.4	33702.7	TRUE
676165.4	641461.3	622102.9	624170.1	758553.9	761647.8	634663.3	693472	TRUE
2550980	2324513	2255868	2289824	2566901	2886931	2551572	2851150	TRUE
2950874	2709231	2199630	2287851	2862101	3116275	2893513	3315094	TRUE
20378.8	18770.6	11356.8	26243.1	21150.9	22094.1	10228.2	23058.8	TRUE
322046.7	277726.2	306617.2	343250	299670.4	309511.9	311603.2	310534.1	TRUE
3900263	3376149	3152527	3205140	3621257	4357019	3690874	4243419	TRUE
205082	226659.5	258035.2	219573.9	202712.7	222663	234923.9	194453.6	TRUE
68911.9	51176.6	77392.5	63932.9	65519.6	85823.5	61167.2	61980.8	TRUE
173033.6	187949.3	189860.8	179559.1	221353.9	200907.6	164744.1	175870.2	TRUE
123404.6	137569.1	87613.7	134412.1	145233.3	153452.9	142609.9	130910.9	TRUE
677184	524897.2	615188.6	689776.5	560492.7	603681.9	512441.1	578427.8	TRUE
114188.3	111783.1	121775.6	137752.5	124173.5	111329.4	99831.8	120631.7	TRUE
2309258	1596073	2822458	3181639	2719534	2947194	2214676	2854738	TRUE
122450.1	107809.7	138038.9	134280.5	139144.7	176655.8	119613.8	195127.5	TRUE
115119.3	99418.3	108078.1	161202.3	97252.2	122347.2	97411.7	115909.6	TRUE
89825.3	96550.2	99447.1	107554.1	122805	96232	98715.4	107472.7	TRUE
43980.2	49429.8	46238.1	50066.9	86114.6	53176.7	50384.5	64020.2	TRUE
124235.9	103426	179444	204799.9	195295	260773.6	146894.6	197552.4	TRUE
87337.4	126289.6	143708.3	77823.5	83221	60908.6	80454.6	53262.9	TRUE
323369.9	308358.9	215872.3	275132.8	326192.7	356711.3	341862.8	321615.4	TRUE
620506.3	523637	389153.6	548533.5	523738	667229.4	682571.7	689641.9	TRUE
86215.6	84765.9	75131.2	77031.7	80663.1	83030.9	91336.9	99413.1	TRUE
49021.7	48349.3	48748.7	47075.2	44213.8	34963.5	43816.7	55811.8	TRUE
72952.1	77843.1	93844.7	59379.1	61411.5	67452.8	71535.6	66707.1	TRUE
67254.4	43214.4	33307.6	50077	52505.2	64185.1	53769.8	73630.3	TRUE
830552.7	1114504	499753.1	646487.8	760943.2	594892.1	1195196	762207.8	TRUE
30211.2	72443.7	30400.9	45383.6	53916.9	13961.2	7197.5	10112	TRUE
1914195	1502853	2452516	2580209	1209193	1551271	1736982	1589286	TRUE
5050417	4055409	6794025	6857881	3438433	4243601	4742030	4517669	TRUE
27548.8	36772.5	39124.4	43075	18272.6	24135.8	41294.7	24869.1	TRUE
1847783	2625240	1032662	1292625	1534121	1141810	2301851	1497538	TRUE

177713.4	172771.8	126078.2	167787	166223.6	122094.7	169715.6	147525.5	TRUE
169825.4	165431.3	151872.5	156010.3	138030.2	137091	157014.7	168597.8	TRUE
112725.1	120223.1	178533.1	98063.1	95837.4	92861.9	82345.9	72575.6	TRUE
566883.3	714850.2	437060.9	502282.3	512976.6	460091.1	746124.9	541084.4	TRUE
701285	594045.1	848617.9	930751.1	543612.7	627776.9	595376.7	627144.1	TRUE
37291.3	45190.8	26890.4	40929.8	41552.5	36824.4	48303.9	42818.8	TRUE
16255.2	27286.8	17421.2	23926.4	28090.4	18808	34104.5	31729.6	TRUE
36898.7	30407.5	32186.7	33599.5	42184.2	29949.2	41202.4	36247.5	TRUE
26152	36065.3	33177.6	12305.2	34225.1	24486.5	32117.6	33746.1	TRUE
29506.8	36799.6	10526.9	17566	26305.9	26143.1	36463	14618.2	TRUE
80511.1	102223	86419.4	89882.4	101749.8	70419.2	76807.9	84365.1	TRUE
389310.7	385609.5	305646.9	762007.4	514289.2	391478.6	431559.4	422921.6	TRUE
47814.6	79916.3	137192.2	51965.9	45135	38378.6	49352.6	86921.6	TRUE
82111.7	86559.1	65684.7	66779.3	60344.7	71217.9	84632.7	74992.7	TRUE
46239.5	56536.7	54818	84517.4	43916.6	74874.1	71324.6	72261.6	TRUE
307094.6	282786.4	319874.1	399130.2	266278.5	310049.2	340680.4	345232.9	TRUE
146846.8	163591.5	143854.1	157762.2	136828.7	122331.8	177861.9	127965.6	TRUE
145495.5	199559	152626.2	91295.4	152501.5	138135.1	171015.7	144272.8	TRUE
265352	201754.5	304014.3	392017	254164.8	274398.9	222931.6	261623.6	TRUE
127154.4	185370.2	114763.4	133914	144330.8	136361.9	153583.3	118514.9	TRUE
212503.9	175690.9	235661.6	272240.5	169212.9	191691.2	224114.9	219510.1	TRUE
293270.8	287610.2	293749.6	412001.2	235593.8	220048.1	235611.6	228633.6	TRUE
200832.1	169088.9	183674.4	218844.9	205258.2	142004.1	282675.6	146308.3	TRUE
59606.1	45059.9	61366.1	88116.8	49579.3	41900.8	90241.2	36850.5	TRUE
189189.4	223968.9	166907.1	183193.8	227805.2	175043.4	234391.9	190702.8	TRUE
269590.4	289624.6	203179.5	214336.3	243022.1	225558.9	294982.6	240277.1	TRUE
2179518	1911065	2687728	2678358	1820509	1925144	2060345	1911869	TRUE
2203132	1923362	2657078	2590033	1865770	2091931	2009946	2029417	TRUE
60363.2	76405	19933.7	45992.3	55894.4	34510.6	69778.4	50717.8	TRUE
95298.6	109938.4	69172	84891.8	95336.2	61981.6	124104.8	90171.4	TRUE
2532643	1594145	1998468	1930083	4398853	2240759	1542659	2343790	TRUE
226848.8	197195.2	286595.3	212409.5	206076.7	269342.6	212058.7	222347.3	TRUE
308405.5	333813	243416.8	252383.5	358040.1	230496.1	351321.9	303502.7	TRUE
597440.4	629772.8	878087.8	652330.3	619664.4	778632.9	581371.2	550496.4	TRUE
1792133	1762431	1725296	1869077	2315750	1775818	1581660	1722268	TRUE
302043.9	288508.7	467563.2	288270.9	232906.9	466385.6	278940.7	246544.2	TRUE
153542.2	132628.5	208895.1	152989.1	138698.3	231331.9	150055	147654.8	TRUE
259071.6	218298.3	320833.2	246789.8	219386.1	364804.5	238916.7	258845.1	TRUE
43200.5	52186.1	46112	42413.7	34825.8	51433.2	42493	39628.9	TRUE
50891.8	50364.1	60420.2	36816	35412.8	56938.4	48975.8	45458.3	TRUE
273430.4	217558.9	256428	248816.6	368296.4	213329.4	249379.2	231303.8	TRUE

231126.2	178744.6	229041	201435.2	401622.4	218409.5	186554.6	219921.6	TRUE
20668.6	9142.2	11330.2	13451.8	18594.9	11123.5	20238.7	10196.6	TRUE
53945.3	39981.3	65033.6	65406.8	63789.7	45617.4	63413	75583.1	TRUE
125685	80928.2	83805.4	105969	179132.4	118666.6	102685.2	127895.7	TRUE
44229.3	32761.4	69551.2	52348.8	32582.8	65240	41504.9	43020.9	TRUE
225936.3	174500.7	157235.1	184820.5	263832.4	227842.2	175866.5	229904.4	TRUE
26664.4	15921.1	25956	21808.2	24610.4	21011.4	17906.4	23893.9	TRUE
554795.4	487837.4	822258.9	513981	413611.1	825455.1	546490	435916.7	TRUE
51143	42923	65325.3	46890.7	55446.5	57967.2	44598.6	37998.4	TRUE
178492.4	183278.9	242118.2	190151.6	136887.6	253407.2	188461.6	157367.3	TRUE
69494.6	48467.5	69131.8	54603.7	81600	81752.4	50293.2	89401	TRUE
188541.1	161477.5	153112.6	192978.6	212032.4	229043.7	200831.7	250729	TRUE
94656.4	73991.4	60577.2	70739.1	106672.2	86417.4	107275.4	95757.1	TRUE
52614.2	23492.1	33928.4	44766.8	91578.7	44165.5	30939.5	46296.8	TRUE
61680	51708.3	73874.6	62108.8	54621.2	72500	62554.3	44836.5	TRUE
33384.1	10138.2	49830.7	11380.5	11537.4	59511.7	14296	11484.5	TRUE
75394.3	59299.8	112313.1	78530.4	42234	139892.3	67579.8	66327.5	TRUE
83273.1	49398.7	99515.6	59642.5	46568.5	146577.9	77305.8	65122.3	TRUE
77826.5	89921.5	148256.4	68318.3	67944	123203.7	83282.8	94262.1	TRUE
62136.5	43626.3	40246	60210.3	46483.8	87224	59818.6	57578.1	TRUE
79774.5	64813.2	77923.6	58220	66354.9	114858	94298	100344.4	TRUE
75552.8	55231	78160	56482	91841.2	62570.1	85975.8	110567.8	TRUE
41422.3	33198.2	36359.7	35708.2	36958	66081.5	42488.1	41037	TRUE
118852.5	91796.4	132690.1	113483.5	81051	217371.6	121254.6	119025.2	TRUE
30408.5	5509.6	30556	28773.1	18043.9	26291.5	22234.9	42384.3	TRUE
141574.3	88931	97582.4	98578	193054.3	160767.4	113195.5	139780.5	TRUE
299764.5	223009.9	223996.9	284500.2	371567.8	317533.5	281191.9	340782.4	TRUE
78003.8	64914.3	59518.4	66855	79156	84964.3	57534.4	90079.1	TRUE
56374.6	50956.7	56847.4	45624.3	42618.4	58720	46007.5	61253.7	TRUE
235003	151638	187302.3	205486.9	293452.9	287695.3	198593.5	309176.6	TRUE
152521.3	126012.7	156231.7	133652.2	203468	171037.7	148582.1	169347.3	TRUE
647543.3	372862.4	542928	602929.9	383034.2	917366.8	570189.3	556336.6	TRUE

44820.2	40044.3	40026.8	44142.3	36740.4	74849.7	48040	54516.3	TRUE
280470.1	173888.5	227676.4	248442.9	356512.3	296843	237607	312939.6	TRUE
217563.9	261277.3	238912	346594.9	221234	239957.5	241490.1	190330.9	TRUE
84745.8	60873	62100.2	120631.1	108856.8	104768	87741.6	105292.5	TRUE
244647	238958	189096.3	436194.1	280618.4	194267.5	272894.9	282449.5	TRUE
555648.8	406373.3	679320.2	656369.6	541380.4	711026.5	488877.4	539204.8	TRUE
26538.3	25129.2	27465.2	32429.9	24055.8	21814.9	29690.5	33521	TRUE
383598.2	323188.4	417065.9	418674.3	298794	460988.4	344701.4	332187.2	TRUE
1170786	797057.5	1034473	939510.5	1437158	1266253	915739.1	1287818	TRUE
416305.8	459519.9	389770.7	434400	402512.2	445869.5	454326.3	479446	TRUE
339514.8	305548.1	414537.3	366063.8	283566.6	454113.9	330177	276021.3	TRUE
416122.5	344147.1	450454.6	402608.4	596852.7	536320.9	398798.6	515446.3	TRUE
634715.9	592883.3	847829.2	1017957	579435.3	902602.6	643445	562195.6	TRUE
1049775	1148365	993164.8	1431558	1294934	1093993	867122.4	1068386	TRUE
92264	60513.2	129742.8	112176.3	75214.4	124128.1	96013.9	63081.5	TRUE
135778.2	133018.3	122525.9	160762.8	103680.4	152094.5	140838.2	140100	TRUE
30169.9	29097	28264.6	37021.4	34227.6	28860	32291.1	23436.3	TRUE
140191.7	126304	139759.1	140761.6	131491.8	194014.9	134363.7	190678.3	TRUE
58297	46491.4	48528.5	51790.8	34744	68244.4	55693	61320.5	TRUE
84422.3	61623.1	53347.8	91644.4	87292.9	83081.3	85120	97296.1	TRUE
548434.3	327264.8	497772.9	487549.1	596816.3	589834.7	410593.5	628160.5	TRUE
166840.5	151911.7	107932.1	173196.7	154079.2	163013.4	132291.3	156704.3	TRUE
184206.6	169897.2	193239.9	163680.5	133960.2	197298.1	153187.3	145444.5	TRUE
80347.9	51259.5	84797.1	94867.4	77749.5	76619.1	76353.3	91395.5	TRUE
100546	88235.2	110831.6	106808.9	87658.5	124710.1	109213.9	103022.9	TRUE
14462.3	19774	5253.3	10491.4	13692.8	18114.7	7577.7	10737.5	TRUE
22447.2	24836.6	20364.5	22672.3	24100.5	16891.1	19942	28341.9	TRUE
108768.2	87576.1	118335.7	120932.7	103636.2	123921.3	113335.6	104543.8	TRUE
420798.9	384246.7	410316.4	469193.7	390299.2	450228.7	388752.1	401132.9	TRUE
253606.3	268387.5	312415.8	347811.7	229116.5	378785.5	302139	244224	TRUE
63677.1	51038.9	43761.9	53572.7	32868.5	71302.2	55557.7	50450	TRUE
43958.2	45661	44483.9	56974.5	34838.1	42313.4	41737	32740.2	TRUE
144606.8	134338.3	131334.7	150186.4	103830.8	127961	153370.8	148575.7	TRUE
21260.8	31857.7	27331	31291.2	18258.8	22670.8	26096.3	29377.4	TRUE
86759.4	78640	60544.1	92100.9	73942.9	100067.3	95188.7	114163.9	TRUE
24985.5	19175.7	25500.5	13474.9	31767.7	31017.1	27483.9	39907.4	TRUE
435141.1	311934.8	379782	402598.8	540753.7	434322.8	346605.6	476563.6	TRUE

104900.9	99941.7	90968	92949.9	69967.7	99039.5	97962.5	73436.4	TRUE
233899	169574.4	212665.6	227496.3	205165.2	218804.2	196071.1	212504	TRUE
93876.7	114110.3	100911	109812.4	80161.1	107159.9	101417.5	91016.7	TRUE
285560.2	278179.8	284397.1	281608.6	292729.5	277723.3	307073.7	260635.1	TRUE
288689.8	254814.1	262834.6	256796.2	249293.8	281430.8	262882.9	296964.6	TRUE
35916.9	37219.9	48152	54759.7	42533.9	49809.1	48468.5	56086.5	TRUE
80370.2	85015.9	85542.9	100796	88615.1	111875.9	97297.3	106187.8	TRUE
70556.7	68811.2	80919.5	84026.7	85373.5	74397	83146.2	68475.9	TRUE
29483.4	20422.1	25263.5	22159.4	20417.6	20940.8	23540.8	29163.2	TRUE
236505.5	354254.3	417624.6	356723.3	150313.8	405364.4	383958.2	389617.6	TRUE
120986.8	117735.9	151650.3	120423.9	91965.1	148470.7	92133.4	142018.4	TRUE
121223.7	107500	121952	101193.5	125438.5	138787.2	129233.9	128791.5	TRUE
720784.5	736273.7	593516.2	749999	767319.7	669423.7	722740.5	730728.8	TRUE
14836.9	10936.1	8968.7	10286.8	4659.5	7154.2	32680.7	18238	TRUE
52098.5	48134.5	50133.6	48749.1	48865.5	45063.6	51808.5	57991.3	TRUE
94666.3	98162.4	89195.2	115351.6	93264	89363.7	100202.9	85094.1	TRUE
44916.3	44560.8	34316.4	44779.3	37537.4	49882.4	53659.2	60322.1	TRUE
40232.8	36875.8	42367.6	68291.8	36109.9	58011.7	61132.9	50804.7	TRUE
43282.3	43981	38633.6	27027.3	51511.9	44724.8	44143.9	49199.9	TRUE
273073.8	260626.8	253513.4	280114.5	212073.4	250317.5	280806.7	217321.7	TRUE
389061.8	384925.5	467089.6	482793.8	407968.9	461136.7	487159.1	446313	TRUE
170258.3	177932.6	211589.5	237251.8	198821.3	196603.3	200455	200256.7	TRUE
1300492	1118997	1269175	1262698	1290170	1398293	1163450	1418943	TRUE
299770.6	278218.3	225611	285143.9	309568.6	275314.8	307683.9	318218.2	TRUE
318707.1	293940.3	247315.6	324408.5	309763.5	286037.9	332084.1	369993.6	TRUE
27214.5	8356	10623	25808.7	19270.2	20422.6	19806.1	8556.1	TRUE
18677.6	23755.2	13441.6	16607	17570.7	16844.4	20492.4	8866	TRUE
35276	25475.3	42120.3	32785.8	38955.8	41433.9	40190.9	28813.5	TRUE
74183.4	95015.9	46276.3	94972.7	69319.2	68075.8	67079.3	67391.4	TRUE
129627.8	99065.5	114591.9	166340.1	153038.1	220912.5	184476.1	170681.3	TRUE
65829.9	62641	51825.3	49506.5	56749.4	60832.2	78899.8	71332.8	TRUE
785382.2	816832.5	841694.3	796208.3	766736.2	882681.6	828094.9	816323.8	TRUE
507858.8	489204.4	503202	517842.6	468016.5	440343.7	478145.2	446375.4	TRUE
8312.3	11865.2	7368.7	10456.4	17062.9	6843.8	11679.4	9809.7	TRUE
272425.3	236159.3	180128.7	165272.1	186782.1	181818.6	211521.1	199727.5	TRUE
274573.6	281927.9	272955.4	278427.3	276641.2	302373.5	336340.5	271504.6	TRUE

341323.5	377375.4	356522.9	360354.4	367052.9	343933.1	422923.4	374817.7	TRUE
426048.6	398130.1	438429	451631.2	411268.8	422242.7	406420.5	471551.6	TRUE

232411.6	202800.7	179255.2	205351.1	192223.6	220957.6	254673.1	203423.7	TRUE
232414.1	262936.8	232031.1	240255.3	241677.3	234546.8	239322.4	178142.8	TRUE
226556.9	244475.5	143227.3	199411.5	189721.4	184437.5	209638.5	217425.7	TRUE
329594.3	295144.9	354994.2	353441.2	292163.5	320856.3	304909.5	273187.6	TRUE
152664.1	145792.7	199480	142179.1	205176.6	215837.7	232338.6	183149.9	TRUE
907378	873997.5	837913	775444.1	1025288	873415.1	964088.9	1134810	TRUE
361626.4	367674.2	319506.7	350522.2	392880.4	333295.3	375479.6	409015.1	TRUE
867742.5	793962.5	855038.9	895341.3	852365.5	882438.9	798986.9	961388.7	TRUE
1749150	1601177	1863949	1834684	1561261	1661824	1607997	1731257	TRUE
343761.2	316778.1	335107.5	360208.6	301353	336398	369519.2	320918.3	TRUE
35459.4	62798.5	33868.9	71662.5	41702.4	38670.7	53652.9	51356.8	TRUE
34448.6	52324.5	24723.3	16458.3	37058.8	23197.7	47585.1	34194.1	TRUE
143853	150379.5	126336.8	159984	145324.2	149339.9	166615.6	144156.2	TRUE
284488.7	275008.2	236048.8	225378.9	324948.3	311677.8	290820.5	255282.9	TRUE
21443.6	27106.7	31005.9	31889.2	32050	30447.3	42062.7	25606.9	TRUE
69819	47573.6	54471.1	59425	58950.3	32174	55473.9	70068.7	TRUE
78389.2	71178.4	59367.5	59437.3	50587.4	72661.1	76355.6	79851.2	TRUE
246562.3	187148.8	170729.2	225207	225150.5	201738.8	203506.4	266852.2	TRUE
59973.2	49959	25359.1	58534.7	37430.3	34717.7	42529.7	54629.8	TRUE
278483.3	211568.5	223400.3	240674.4	223624.3	285743.6	245389.7	257545.5	TRUE
45925	29004.9	30625.4	47438	38223.1	26321.9	41421.8	40168.1	TRUE
153261.8	117271.1	97919.9	113150	122484.7	93567.6	93139.1	164726.4	TRUE

77294	68825.9	92593.9	86213.7	73484.4	72832.4	64695.9	84626	TRUE
24895.3	28687	28860.6	43912.1	34546.5	24441.4	26983.5	26993.9	TRUE
69295.8	52531.8	50326.8	61339.9	65539.3	42549.9	77524.2	62512.9	TRUE
97667.8	79925.2	68496.8	61828.1	65300.1	45207.7	51921.7	67147.8	TRUE
450839.8	432118.3	241571.8	372711.4	320695.9	262512.9	316833.3	379503.6	TRUE
9233.1	40014.1	22669.3	42597.6	25203.9	33966.4	11562.4	26661.1	TRUE
465758.1	453152.5	401413.2	709153.4	481325.4	519771.9	453442.2	641396.2	TRUE
12260.3	31575.7	30982.8	10885.2	70506.4	61970	19706.6	51439.6	TRUE
102993.2	110592.6	127840	201736.3	119971.2	80063	107378.3	126249	TRUE
186154.1	132680.9	156888.8	273454.5	280927.7	328033.6	232668.2	349855	TRUE
226279.6	170574.8	417262.7	305911	335593.6	348389.1	267771.5	435071.4	TRUE
193051.6	116336	147125.3	312415	379200.8	275545.1	216355.8	420722.2	TRUE
8692.1	11246	19668.4	34930.1	27547.7	28389.9	29693	39037.7	TRUE
125609.7	171395.5	131941.6	198711.2	200606.6	130631.1	130143.5	171689.7	TRUE
46108.5	38893	34476	70909	78591.8	70346.5	32375.7	79177.2	TRUE
132268.6	97331.6	109440.4	166390.3	175711.1	160379.6	156234.5	209966.3	TRUE

42272.8	32145.5	33611.8	51638.2	76959.6	57697.3	56455.7	105177.6	TRUE
101476.6	89365.3	93277.1	154013.9	173028.6	180971.6	138740.9	201200.9	TRUE
23048.2	12541.8	22724.5	14331.9	53798.6	35574.9	19186.8	41754	TRUE
193438.6	196478.2	196448.6	344277.3	403460.2	362186	274045.2	461107.3	TRUE
137949.7	84016.2	137604	196753.7	274609.6	228170.9	198921	303545.9	TRUE
1461327	1059561	1412103	2292102	3165126	2815358	1895883	3327571	TRUE
39196.9	35987.5	50816.8	52632	52365	59405.2	58073.5	64279.2	TRUE
333152.4	244515.4	294714.8	485648.2	665859.8	561011	436301.1	762856.6	TRUE
34770.7	13283.6	32394.1	44094.7	74548	59586.8	34388.7	95388	TRUE
28446.5	27887.1	25739.1	34282.9	46022.9	46551.9	34469	50177.9	TRUE
32987.6	23258.7	41383.8	35695.8	43675	42741.2	28772.2	32085.5	TRUE
22375	44482.3	50816.5	60065.1	52848.4	37070.1	15336.7	31477	TRUE
46809.4	52057.2	41834.8	61693.5	66895.1	54178.9	46730.1	38880.5	TRUE
27516.7	28368.7	30860.7	38997.6	36052	41489.4	36259.3	35292.1	TRUE
9119.5	7168.4	7023	13326.3	8557	7228.5	14334.9	9628	TRUE
17721.6	8736.7	25474.4	12068.1	24578.6	27002.4	15688.1	34117.6	TRUE
30935.3	7984.1	22181.9	25265.4	29721.1	8077.1	11495.8	14294.9	TRUE
49877.2	89411.1	68902.6	82290.5	92276.8	70267.1	65791.8	76335.4	TRUE
25700.8	30640.8	23060.7	33919.7	31724.1	31254.4	27060.2	44914.9	TRUE
70604.9	62191.7	53270.8	78303.9	92258.4	71258.1	65718.6	123801.8	TRUE
10078.7	9153.6	7345.9	8882.9	26161.5	9394	13971.4	10869.7	TRUE
27647.7	24374.5	31106.6	33041.1	49583.9	38751.8	50704.6	57777.8	TRUE
53097	55865.1	54513.8	58846.6	63819.7	56451.1	51201.7	46994.9	TRUE
22250.4	23210.1	37883.4	43962.9	85662.6	15940.6	7175	13290.1	TRUE
68577.3	176810.1	97487.3	113400.3	170475.2	69724.5	69695.7	48960.6	TRUE
43880.5	49070.1	35874.3	51835.1	45155.7	51090.8	55090.9	84183.1	TRUE
46369.3	122201.3	143415.3	228035.6	423522.1	53265.3	47215.1	60595.5	TRUE
54554.1	59096.5	51521.8	84604.3	74315.6	46123.8	53722.1	61161.2	TRUE
31646.6	31527.5	17960.4	32502.3	21192.2	38970.9	32473.8	40064.8	TRUE
29772.3	32288.4	34953.8	21915.5	26877.6	25562.4	30111.6	30520	TRUE
77858.9	79301.7	51217.7	43250.6	46511.8	93743.8	73755.8	85816.6	TRUE
130797.7	107452.8	90425.3	118125.7	97600.1	140924.6	149616.4	149864.2	TRUE
586558.8	610914.2	311261	451390.7	433948.5	640570.4	725787.2	682296.8	TRUE
239505	199073.1	131803	157277.1	153171.5	268260	232069.2	298406.2	TRUE
71242.5	53436.2	44584.5	63989.3	37692.1	85865.9	92533	107094.8	TRUE
70510.9	72307.3	35039.3	53542.5	69829.4	101775.3	85395.3	92591.4	TRUE
400117.7	404937.1	305924.8	353795.7	322506.5	535171.4	531693.2	543753	TRUE
170702.6	182237.8	69491.6	130503.4	120193.7	236923.8	218101	229795.1	TRUE
1423122	1317115	647758.4	973474.9	953686.5	1706417	1650014	1642454	TRUE
54639.7	64189.8	47750	59681.2	77702.2	61296.8	47324.2	46108.4	TRUE
33967.4	29371.9	26987.1	28346	24595.5	53133.1	33008.5	59047.5	TRUE
146871.8	125424	102335.2	112983.9	143864.4	228965.2	215397.3	224322.8	TRUE

29326.5	34963.6	26061.1	37150.7	30345.3	80500.8	68578.3	60139.2	TRUE
141933.5	113943.9	81001.4	76047.9	80913.4	134043.2	147595.3	218958.7	TRUE
200805.8	179902	108468.1	172848.4	152911.7	230668.3	195180.9	290141.8	TRUE
497593.7	472895.9	219110.5	397947.4	390898.7	650825	542278.6	752565.2	TRUE
53331.6	50432.2	41335	40485.7	54733.5	83966.2	79287.4	74437.2	TRUE
503871.4	513970.4	257218.2	370193.3	388641	617086	639525.5	704017.7	TRUE
437239.5	398396.9	217149.9	311385.2	345070.2	520842.7	451528.6	624420	TRUE
533482.8	404040	309803.4	317754.3	306490.9	550056.7	478150.4	796868.2	TRUE
175548.9	166721.1	110014	118567.2	137972.3	217394.2	197462.6	203619.3	TRUE
153828	116624.9	66860.3	69032.8	89735.4	184251.1	140550.7	243341	TRUE
132328.7	136367.9	75007.5	116957.3	79995.8	154222.6	157075	198717.5	TRUE
81658.2	123710.1	90522	122370.1	114009.2	74241.2	74021.9	73118.4	TRUE
90934.9	82973.8	93903.2	103823.8	117274.6	81826.1	103964.3	100586.1	TRUE
41463.5	36102.9	26853.3	36988	46748.3	45307.9	55040.5	42033.7	TRUE
144878	148601	129568.6	169997.8	154469.2	206005.9	213390.4	204815.5	TRUE
62894.8	219419.5	101548.9	131599.4	138021.7	46422.3	47419.8	38142	TRUE
58008.2	81381	57216.8	64666.7	64041.4	41790.6	42107.3	47022.8	TRUE
21088.2	29524.3	25566.6	11335.9	21935.8	23749.8	24106.9	19865.6	TRUE
44763.3	65018.4	34760.5	50508.6	58092.5	39663.5	26201.9	35566.6	TRUE
19981	12047.2	6431.6	10094.8	18623.3	10396	22356.1	26219.2	TRUE
1021796	760509.7	801078	1243232	1403553	835946.1	795453.2	1283934	TRUE
3027405	2787013	2279822	3296152	3506582	2517154	2909280	3266521	TRUE
2942725	2250620	2015644	3019237	3456773	2220749	2371169	3916298	TRUE
263454.4	575341.9	372174	685875.9	953804.9	115925.5	110900.1	158221.3	TRUE
1164712	1249879	937036.4	938725.5	907636.2	1156396	1280508	1064717	TRUE
3005094	3705926	2420295	2565206	2423637	3580229	4008793	3188041	TRUE
3523177	4343737	2449005	2499455	2510229	3719274	4654113	3773459	TRUE

822657.9	847723.6	670346.8	807780.5	795925.8	1002932	1154817	1011687	TRUE
686324	477114.1	598321.9	610488.5	493821.8	527809.9	355256.9	463698.8	TRUE
239376.3	210033.1	267202.5	267023.4	291114.7	290112.4	221086.7	279611.3	TRUE
141112.1	123408.4	154167.4	164078.2	165577.7	153371.9	131476.8	148430	TRUE
219461.7	279782.5	270703.9	290891.1	290299.9	303915.7	279792.4	298205.6	TRUE
9804403	5927727	11516936	11839990	10391762	12500255	7183766	10401554	TRUE
7273559	4531098	8002682	8230406	8089108	8571020	5026241	7409673	TRUE
40062695	23687803	43293216	41834619	39670982	46037910	26531548	41286481	TRUE
31522002	19700105	35726569	34133091	32367434	38506920	22221911	33812406	TRUE
1565519	940692.7	1515146	1484925	1590050	1770205	992387	1649761	TRUE
570834.6	355552.6	579257.8	589480.8	604595.4	639201.9	437799.3	587122.2	TRUE
275444.4	172616.9	311413.4	320611.9	290361.5	329826	192949.3	265828.6	TRUE
458968.9	289732.3	486962.8	465697.7	552523.1	529884.8	362855.7	532747.3	TRUE
1585335	962525.2	1747057	1625941	1549085	1728346	1135131	1652758	TRUE
129591.7	108104.7	131445.7	132567.5	132388	124892.8	132085.4	153667.8	TRUE
54824.2	45795	54791.4	57499.9	60985.3	58383.4	54686.6	67670.4	TRUE
124657.5	101307.2	121791	112895.9	136853.7	124652.4	106241.8	137742.8	TRUE
54987.3	38796.1	57103	79460.5	48520.2	49762	40471.1	52993.7	TRUE
49485.6	21073.8	40878	46815.3	47231.3	38170	30678.9	47455.7	TRUE
33465.2	33482.9	51013.6	49931.8	34513.7	46557.3	26275.6	38720.9	TRUE
53268.6	32122.8	49880.2	55930.4	38775.9	63933.4	45622.3	58281.3	TRUE
38826.8	46664.1	38588.2	34682.3	51637.5	33863.9	37350.1	59024	TRUE
9035.6	6579.5	15965.9	10634.8	8989.1	6180.1	9906	9106.6	TRUE
44195.2	30128	44695	45066.7	43556.1	33674.1	36021.4	34917.7	TRUE
20932	6220.6	23280.7	24175.7	31644.1	27550.1	24515.7	22856.3	TRUE
106253.4	67076.1	102394	123822.1	88754	74198.9	59038.2	94305.2	TRUE
90696.9	53405.7	78256.7	74784.4	86983.2	89055.1	55543.2	77222.1	TRUE
8912411	14896854	11288936	17218503	20618273	7454376	4687642	7022538	TRUE
2329697	2940448	2784675	3483642	4082300	2117790	1394655	1983391	TRUE
46284.7	46356.3	51227	78778.1	70247	26947.1	30532.3	30499.2	TRUE
83942.2	141802.4	191561.4	254460.8	315939	48363.7	38591.9	45272.3	TRUE
88973.6	183176.1	205679.1	280987.7	315354.3	50954.6	31839.5	48149	TRUE
38139.6	71364.7	57931.3	87761.2	68904.4	19013.5	12674.9	10143	TRUE
81888.7	125530.9	97689.2	169829.4	168359.7	59316.1	40935.3	64105.2	TRUE
24038.7	48311.8	79560.4	100088.6	139956.8	29585.6	22293.8	25863.1	TRUE
47794.8	70208.2	127403.9	197033.6	226498.9	55095.2	36871.3	43599.7	TRUE
532350.2	294294.2	408288.8	586960.5	546742.9	631971.5	363594.2	585322.7	TRUE
75660.9	48927.1	64917.5	71841.2	78837.8	70462.3	47158.4	54937.2	TRUE
198712.9	124052.5	173631.1	226821.8	202061.3	210105.6	139242.6	168672.9	TRUE
63131	35099.2	67914.5	62262.8	61394.5	55142.2	58258.5	63133.6	TRUE
445972.5	262171.7	436810.9	394682.3	443257.8	459429.9	334482.1	476982.1	TRUE
81943.5	54439.2	78121.7	79428.7	74372.4	80939.2	55048	81588.2	TRUE
46546.1	32237.1	53257.9	50709.6	43338.9	52112.2	48473.3	59164.6	TRUE
30724.7	10893.2	32545	29549.6	30201.2	33011.4	31491.5	42799.3	TRUE
42796	53450.7	39605.7	42094.6	28102.5	53507.6	38299	46702.7	TRUE

86317.3	59971.6	99609	93572.9	75058.9	94794.2	73857.4	89740.1	TRUE
369484.7	422995.3	297480.5	330362.6	392232.8	361699.7	370112.2	391167.1	TRUE
242551.4	295616	281284.5	273992.1	313072.5	304293.2	360583.3	306674.3	TRUE
2321241	1991759	1762295	1747738	2565350	2553186	2108838	2093590	TRUE
1579146	1403491	1161433	1136030	1823620	1819266	1499997	1618153	TRUE
12074246	10490811	6939063	7645992	12053141	12164584	11041362	11095959	TRUE
3774494	3184357	2145493	2228122	3775908	3689256	3219476	3571593	TRUE
4653356	3887410	2820036	2677504	4516787	4622979	3960227	4398756	TRUE
386392.8	350056	286393.4	335160.3	398803.8	398244.4	377987.9	391433.5	TRUE
146960.8	142823.8	101730.3	105721.6	149449.9	163182.9	144124.8	147812.3	TRUE
120153.9	122662.7	119736	80110.9	111890.6	124705.9	120556.8	110823.5	TRUE
58570.8	59479.1	49151.6	51514.2	56077.7	80554.8	54012	50123.1	TRUE
46082.3	46344.6	57547.1	27545.9	36137.2	72232.6	41214.8	62494	TRUE
60219.3	49285.1	57087.9	51574.7	52261.2	48944.1	60957.6	46926.1	TRUE
36148.2	9170.8	12515.5	14115.5	24582.3	27882.3	32821.2	29925	TRUE
29954.3	43643.6	25870.7	45437.5	37186.4	26681.5	45269.4	38443.3	TRUE
47413.2	50416.7	36198.2	35955.4	44753.7	50725.5	43225.5	43641.8	TRUE
22172.4	21885.2	12407.3	14344.8	6979.2	15397	20615	13032.9	TRUE
37064.9	34568.5	20695.2	49234.5	38920.9	44138.4	32532.4	41385.4	TRUE
50531.9	45760.3	30811.4	30099.4	42059.5	43841	50370.7	34744.1	TRUE
25866.6	34891.6	26331.9	7127.5	22339.1	26712.7	21523.7	32119.5	TRUE
19388.4	22726.8	10011.8	6569.9	20990.9	10914.6	9435.4	12080.9	TRUE
17456.1	5790.8	9898	8836.4	16877.7	4868.7	21914.6	11049.7	TRUE
65862.4	119882.3	69554	87809.4	139182.4	41373.9	30179.4	47730.6	TRUE
60535	73786.1	110598.5	60028.3	51417.7	57508.2	35118.4	28183.5	TRUE
25234.8	46790.6	19264.7	42229.6	56313.2	27598.8	19455.3	13604.3	TRUE
32140.6	61722.6	38361	62747.9	93387.9	15460.1	10347.3	8586.4	TRUE
421336	1321453	413903.8	873681.2	1499829	141350.2	91959.9	134029.7	TRUE
834178.7	460638.2	702444.8	749937.5	682873.7	1302925	611861.5	857986.3	TRUE
255611.7	255889.3	212169.8	262722.8	296513.7	343127.4	182934.6	263092.8	TRUE
73430.1	81526.1	72478.7	64555.2	70153.1	70967	84032.6	69715.9	TRUE
108429.9	75219.5	86182.5	75570.8	99414.1	116715.3	77391.5	82287.8	TRUE
486069.2	353992.7	339819.2	386172.9	463796.2	576136.4	375547.1	743298	TRUE
46580.6	41196.5	45753.5	43885.1	40672.8	51613.8	47297.6	54520.5	TRUE
22385.6	21267.6	24471.4	11782.9	38091.2	34397.8	13001.9	38419.4	TRUE
100242.8	87634	56586.8	55459.2	88926.2	90947.7	89192.8	108234.3	TRUE
1272394	996436.8	809322.7	731921	1090417	1302262	1197410	1286264	TRUE

431694.6	357345.8	263158.5	225662.3	367128.8	463339.5	392905.5	467052.5	TRUE
76731.1	67114.2	69152.1	46542.7	62322.8	63061.3	70581.2	70641.5	TRUE
50447	38326.3	46928.8	48727.3	63762.7	46083.8	56458.1	52828.4	TRUE
29639.8	27230.1	8615.5	32305.4	24407.3	18939.9	30222.7	38586.5	TRUE
19816.5	9676.7	18010.6	5927.6	18264.6	11859.3	17955.3	12781.4	TRUE
75515.8	56944.6	84943.6	73038.3	91394.6	65838.7	71671.8	62471.6	TRUE
32156.7	26549.2	40721.9	31656.6	42558.1	18260.8	38640.6	37189.2	TRUE
95104.7	92690.9	79030.9	69962.1	88998.7	64842.3	78985.3	89410.4	TRUE
52845.5	39011.1	89679.2	93862.1	84319.3	86475.4	73050.5	88935.7	TRUE
11439.6	6186.5	11325.6	7667.8	24229.4	7549.9	11767.5	25124.6	TRUE
35218.2	39698.7	34572.6	25686.8	22838.5	32503.7	26111.5	30219.8	TRUE
211937.1	145215.3	132442.9	142393.5	170286.7	142514.6	104380.5	143432.9	TRUE
159772	100235.6	87275.9	94542.2	131481.3	91035.3	78460	107978.2	TRUE
21182.1	15456.8	5639.1	9315.8	11137.7	8778.8	27811.8	24924.7	TRUE
46597.5	36735.9	27774.3	30120.6	30391.2	28632.8	20645.4	26126.2	TRUE
33582.8	27241.2	9823.4	16220.5	23293.2	18143.3	24257.7	12892.3	TRUE
38834.9	42220	32903.4	39293.8	30156.7	36798.3	32753	41416.3	TRUE
279024.7	278117.4	282809.4	391658.6	373603.1	298225.2	297382.7	333782.7	TRUE
147530.2	112609.1	132992.6	173029.5	181836.8	161504	156722.7	183287.4	TRUE
81130.3	70906.3	83723.3	94886.4	124334.7	90423.1	97815.5	125534.8	TRUE
646208.4	391917.8	702060.2	847521.6	896563.1	731064.6	572502.3	857834.8	TRUE
1365386	936977.6	1652585	1851254	1956434	1586611	1272788	1761370	TRUE
2172819	1526442	2308731	2706596	2880030	2378682	2057109	3066693	TRUE
2006391	1276979	1986098	2353915	2636699	2129526	1729772	2698503	TRUE
336614.6	246751.6	373567.4	423471.5	434393.8	400531.5	345521.5	467424	TRUE
133215.9	86470.9	114237.4	169054.3	164058.1	127281.8	96974.9	165226	TRUE
365129.5	275628.9	400340.2	501222.6	484827.8	403468.6	395659.1	491793.5	TRUE
120870.6	71034	139114.9	148667.9	163014.6	144567.4	123478.1	180061.9	TRUE
284942.6	184894.1	266759.2	308229.6	321474.5	294663.4	216740.3	340466.5	TRUE
130231.9	112997.9	148987.7	160045.3	171516.9	159607.7	124186.8	178633	TRUE
166570.2	97572.6	160280.6	186329	189885.2	170544	159142.1	213561.2	TRUE
130248.3	105593.2	127875.2	163207.3	166056.8	163432.3	118649.7	173312.4	TRUE
182886.9	134200.1	184960.1	214813.9	238555.2	190418.5	156984.1	244301.4	TRUE
107094.8	63887.7	128407.5	112054.2	134522.5	131887.6	89602.3	139101.3	TRUE
76060.6	53971.6	71129.6	82966	84477.4	40755.3	56484.5	109725.4	TRUE
106162	86820.2	108288.5	136125.2	119341	115699.6	109288.2	121509.6	TRUE
161928.8	170036.3	159594.7	159882.2	194592.7	170310.3	181440.4	210670.6	TRUE
22652.1	13116.6	30336.7	15696.9	42795.6	21289.2	29047.3	43807	TRUE
88799.4	91664.5	93998	110946.2	129916.3	104471.6	92054.8	121895.4	TRUE
71149.9	68022.7	73929.4	103534.6	110974.8	89597.4	82163.2	97497.7	TRUE
63893.4	50469.2	64368.9	61561.3	75421.9	64473.2	74025.9	89340.8	TRUE

60851.6	48685.5	68403.2	86483.8	85381.7	62690.6	74885.6	83687.6	TRUE
30598.1	29212.8	38983.1	45765.5	42136.9	39851.7	42183.3	52578.7	TRUE
67405.3	50699.1	83336	65078.3	77674.2	73216.4	62069.2	76687.7	TRUE
38083.5	27161.1	35070.6	34513.5	44747.8	36996.1	24785.1	55366.5	TRUE
54516.5	45678	55703.6	84251.4	75042.6	68748.6	52849.5	86245.4	TRUE
32755.8	40678.3	46498.1	46805.6	49674.3	45256.7	36459.9	42094.7	TRUE
76722.3	51245.7	72507.8	89477.9	94471.3	81111.3	52071	100458.8	TRUE
26247.2	5839.7	32944.4	28961.1	44922.9	20666.6	23131.1	34073.5	TRUE
43238.1	19505.2	54052.1	58067.2	58914.2	44159.2	38010.1	48677.3	TRUE
32360.1	14205.1	12239.8	42892.3	24207.8	31033.3	10628.1	34741.1	TRUE
40689.2	54315	31575.1	57782.4	54416.6	45919.6	35503.9	59914.9	TRUE
32178.9	28482.2	24494.1	30486.9	46035.8	23508.1	32769	34925.9	TRUE
31753.2	23802.6	28082.1	37084	56587.9	28825.5	34943.5	50479.6	TRUE
68289.2	65835.8	49651.5	84373.8	107736.2	81048.1	56156.8	102469.8	TRUE
49965.1	31403.9	54579.1	60584.2	65127.1	55756.5	35232.6	54656.4	TRUE
21736.7	10008.1	12343.1	36343.8	37798.2	30538.7	12068	36339.9	TRUE
42054.5	32096.1	55304.1	54567.3	66188.9	53621.9	39240.1	61226.3	TRUE
26984.5	6357.7	31066.2	27739.8	38910.9	23496.9	10263.8	34719.2	TRUE
35796.9	26213	37763.9	44796.6	63655.3	29584.6	46884.5	56471.3	TRUE
24293.6	6061.6	18836	11848.4	29024.4	19555.1	6650.1	19415.3	TRUE
8401.6	13356.1	8215.4	10118.3	22922.5	22047.1	12121.7	28471.5	TRUE
10865.7	7591.6	12111.7	13954.5	10794.1	23265.1	10443.5	23518.6	TRUE
24753.7	20481	22764	25270.4	18236.8	24875.4	22090	26004	TRUE
11292.6	6298	10840.3	10696.5	25858.4	10242.3	13904.8	25734.8	TRUE
8040.7	6030.5	10679.1	11464.2	21481.9	16623.2	8002.5	11465.5	TRUE
9429.2	5181	25597.5	23264.9	26244.3	17926.4	11072	23014.8	TRUE
4937.3	6493	20081.7	6533.1	18234.8	7872.1	11145.8	7781.5	TRUE
8406.9	4095.9	21277.2	12084.8	18558	14838.4	7541.7	19606	TRUE
17467.6	10476.8	19441.7	8241.3	5399.8	18369.3	6071.5	9352.2	TRUE
16269.7	4420.2	25921.5	11890.1	22814.2	21441.3	19710.3	29179	TRUE
6732.1	4872.4	20420.2	10409.9	23496.2	14771.2	10398.8	17915.2	TRUE
14148.4	8926.2	5788.4	10806.6	9577.8	18941.9	10601.5	7353.8	TRUE

71929.4	49404.9	63259	76369.6	101676.3	67660.8	65440.6	90884.7	TRUE
140245.1	97890.1	133106.8	142378	193019.6	138753.6	124581.3	164627	TRUE
100789.9	81848.8	93988.1	116186.2	121887.4	106068.4	97983.3	147708.1	TRUE
93218.6	83351.7	101135.6	135171.1	123250.8	103160.5	91320.5	138310.2	TRUE
62846	54055.6	55696.6	69253.9	75998.3	58788.8	53333	67621	TRUE
43450.8	10321.1	53583.4	36780.2	43164.6	29385.7	50090.7	51661.1	TRUE
53733.9	69632.6	54504.3	67547.8	66258	52844.2	56242.4	77525.8	TRUE
35181.6	69189.7	66272.6	91051.7	107761.5	30412.4	8669.4	28260.7	TRUE
113657	159715.7	138041.2	149557.8	191224.8	115205.5	101946.6	109539.1	TRUE
70149.1	57832.8	69534.4	86325.7	68588.2	52288.5	52849	71518	TRUE
153844.3	170262.1	199096.8	126265.1	134023.4	160142.5	156222.8	143925.9	TRUE
36135.4	91840.6	90079.4	109463.1	130807.5	20081	14039.6	32058.7	TRUE
93034.7	187414.3	174517.4	263206.4	349193.5	85794.9	39822.5	82059.7	TRUE
27409.4	82007.6	276582.4	34269.3	57594.3	8772	9671.6	12509	TRUE
347764.1	244954.7	348034.6	412136.5	418359.6	353020.7	299721.6	430887.5	TRUE
162130.9	99174.2	138808.2	157792.3	188527.8	146827.2	125752.2	199636.6	TRUE
90279.2	102699.5	120502.5	105618.2	100904.1	81521.7	85275.2	85445.8	TRUE
49632	48713.7	68587.6	60105.6	60063.1	52982.5	38310	61135.5	TRUE
74292.9	79882.3	77807.3	77947.9	76174.9	51378.4	73300.7	67646	TRUE
23712	23387.6	28592.1	34899.2	25810.1	25928.9	22290.6	24344	TRUE
33319.7	49403.1	64063.1	55350.6	49886.7	56436.3	50217.8	45826	TRUE
58646.8	62693	65379.5	67241.6	65731.7	46829.8	47778.6	47390.6	TRUE
41818.3	51339.4	44306.4	36905.3	57510.4	32036	28274.3	38145.7	TRUE
16787	34608.3	28461	35875.5	34461.6	21395.6	11825.5	19359.9	TRUE
20760.5	14595.4	24254.1	32714.4	29113.3	24414.1	10184.6	28106.9	TRUE
7121.3	16173.4	29860.2	59844	70732.4	5442.7	9004.5	10527.9	TRUE
44406.7	131416.7	154470.8	175919.5	257150	29317.1	11103.7	37322.2	TRUE
144152.5	119160.9	130274.1	188712.9	199233.3	154914.5	125452.4	189381	TRUE

817043.8	576671.9	668047.7	1055235	1059825	835368.4	695957	1044012	TRUE
32983.1	49448.1	53860.9	110851	108406.1	35246	28536.5	40930.6	TRUE
33731.8	62411.4	54956.3	89347.4	96984.1	25998.2	35200.2	32393.2	TRUE
36036.1	25493.1	27588.6	24799	41415.1	15247.2	26759.5	34313.7	TRUE
75153.2	68643	50821.8	74868.7	102186.3	66038.7	83766.6	96937.2	TRUE
35435.7	81144.3	62413.5	110767.6	123734	28704.5	8264.1	28966.5	TRUE
24348.9	24975.6	16994.8	22413.5	35134.8	19390.4	12374.5	31097.5	TRUE
381016.2	208169.8	252791.2	414625.3	313943.7	401479.6	333214.6	453056.3	TRUE
35661.8	22132.7	18208.4	20486.5	34748.7	34211.4	31498.9	45672.3	TRUE
42591.4	46711.1	33370.3	36238.8	39259.6	32781.6	37452.8	40840.7	TRUE
15443.3	7173.1	6393	8205.6	17089.3	7826.6	8140.4	13087.3	TRUE
73330.7	154710.6	106841.8	193842.3	253485.9	77777.2	88919.2	74018.5	TRUE
3775.2	35049.8	16211.4	32612.5	41656.7	8093.4	11702.8	5702.3	TRUE
29423.5	41840.2	37156.7	47773.2	48862.3	35224.3	25754.5	30306.3	TRUE
455571.8	194727.9	297628.1	317046.6	349581.9	327357.6	322990.6	408454.5	TRUE
237737.3	100790.6	147339.1	155616.1	181891.6	198370.5	173819.1	225276.9	TRUE
24929.9	49964.8	39937.5	50572.1	61791.5	13334.5	9814.3	27933.5	TRUE
67673.9	53401.3	71620	82082.6	69668.6	87118.7	56890.3	66282.5	TRUE
129307.2	113312.5	96563.3	178730.5	189304.5	148688.1	120334	176981.7	TRUE
26841	34118.9	30743.1	25932.3	9134.6	27631.7	43681.8	28006.4	TRUE

144333.2	188325.8	154734.6	198058.4	200548.4	127282.6	133623.1	137172.7	TRUE
123581.6	281946.2	157736.3	180324.5	263849.3	80787.8	91124.9	87842.2	TRUE
48927.7	256674.7	423737.3	46543.4	56648.2	50608.2	63706.3	37912.5	TRUE
89886.2	95901.8	87111.6	72274.5	89096.6	102682.7	94867.8	93346.9	TRUE
135961.3	222848.3	179402.8	175691.6	150040.6	202778.8	241361.3	182734.5	TRUE
18883.3	25603.3	26363.9	29077.3	35003.5	8637.9	25753.5	26195.2	TRUE
58687	107392.2	46965.5	80684.7	82564.1	60864.2	69915.6	47160.7	TRUE

112676.2	271442.8	288947.2	134904.2	182219.1	110344.4	103699.9	112952.6	TRUE
9824.1	13217.6	15256.6	12277.7	10273.7	49708.8	7739.1	28459.7	TRUE
101015.7	128521	107059.6	95993.9	77817.7	115208.2	85645.2	103607.5	TRUE
84300	73891.3	81419.9	102376.1	94016.2	142047.3	75387.1	140203.1	TRUE
58202.7	46091.6	51206.6	52159	42904.3	84324	44942.5	56708.8	TRUE
46698.6	25336.3	44507.8	51018.5	35551.2	76065.3	35231.8	53001.9	TRUE
241614.7	159445.6	287200.3	260047.5	231498.6	391117.3	223881.4	341768.2	TRUE
85161.5	171011.8	98144	128316.1	171663.5	78235.8	91074.2	104893.2	TRUE
351788.3	309977.1	253049.1	247011.1	271550.6	358069.9	329491.8	337559.6	TRUE

88478.8	95112.1	78909.8	67709.8	79968.7	78968.3	102783.9	80730.1	TRUE
35427.3	33455.6	14550.4	29212.4	28293.3	32055.2	36973.5	40502.6	TRUE
10947.8	30335.2	15833.6	15815.9	14850.8	14308.2	24364.1	30381.7	TRUE
147043.9	86147.9	81121.2	150716.5	101423.1	130063.2	126411	112919.6	TRUE
212972.5	95734.1	116231.7	248208.3	140743.9	206842.8	142639.8	200889.4	TRUE
181570.8	99106.8	77541.9	100353.1	118651.8	223578.8	141130.1	225968.6	TRUE
25735.3	28035.1	35534.1	54187.9	33311.4	39765.3	32683.5	28551.9	TRUE
26184.5	28062.9	34966.4	30538.4	19319.7	48789	65224	24524.8	TRUE
37540.3	43460	48774	46630.6	40929.1	50375.9	42757.9	40159.2	TRUE
36192.7	26413	32097.6	46822.3	36726.4	32920.6	30567.6	41770.3	TRUE
102574.4	86079.2	127621.1	90772.1	77392.9	102230.7	93772.1	66676.2	TRUE
36078.4	31418.6	35243.8	37296.7	30244	26478.7	38197.3	38471.9	TRUE
36970.2	35095.1	35220.5	30914.4	45025.2	39950.7	39943.2	39946.1	TRUE
76654.5	100272.1	88009.6	85970.3	88429.2	69814.6	65698.1	70072.4	TRUE
39503.4	24440.8	30168.3	37070.2	27639.3	36852.2	37193.8	37610.4	TRUE
177462	220726.8	159455.1	150957.4	169731.4	162991	189657.6	171839.4	TRUE
24780.3	14111.1	11006.4	40972.2	33284.9	33576.1	7580	29283.6	TRUE
8267.4	9459	42776.9	13340.7	40185.9	33958.6	32463.9	35328.4	TRUE
83586.7	69930.3	70103.7	71709.4	80197.4	58441.1	82435.4	89185.3	TRUE
105203.2	87375.2	126557.5	111532.6	110639.9	125149.6	82600.1	94083.5	TRUE
89499.2	87737	90114	84659.5	96022.8	90944.1	83034.3	81520.3	TRUE
49450.1	24566.5	38527.9	75210.4	58155.4	51534	37132.2	48062.7	TRUE
269227.1	257921.9	284055	243636.9	251424.3	322054.9	296069.9	228398.1	TRUE
133845.8	96026	129621.4	149781.2	153793.4	157237.4	109246.4	159384.2	TRUE
298687.4	280036.8	300413.4	300599.8	312540.5	318844.3	298725.4	287855.3	TRUE
118294.7	107380.6	129326.6	133777.8	147970.2	105137.1	98591.2	133679.8	TRUE
31783.1	13524	26000.3	39729.6	33478.4	38564.9	23960.1	38912.4	TRUE
155886.4	112555.6	134563.9	129401.6	123729.3	141292.1	118380.1	120777.2	TRUE
84208.1	67892.2	73632.1	84930.2	90575	97108	83172.7	96786	TRUE
160635.7	127287.5	143727.5	198297.3	175984	183984.3	112846.4	156578.3	TRUE
81996.8	57025.1	69844.2	89949.1	75929.8	77893.2	64789.9	77182	TRUE
78787.3	58387.9	75105.3	70753.8	77063.4	75643.9	66933.8	81034.5	TRUE
228359.2	196221.4	243855.9	246234.5	242066.7	219193.8	234255.7	233943.4	TRUE
106558	136812	137950.8	128401.3	127574.1	143138.9	126068.7	132285.2	TRUE
101488.7	72990.1	110281.3	110195	111750.8	108511.6	76397.2	88719.4	TRUE
223723.5	189858.9	183497.8	188752.2	170045.3	189820.8	168449.6	147744.5	TRUE
132041.3	91749	126520.3	163549.4	174746.5	124946.7	104350.1	159715.7	TRUE
51015	47941.6	70067.3	87536.9	84784.4	45072.7	39909.4	52629.5	TRUE
64569.2	52584.4	56707.4	88176.7	104453.8	56739.3	54195.1	85913	TRUE
402838.6	313281.5	445037.6	528978.4	506572	465182.8	453428.6	479980.9	TRUE
174384.7	157777.8	171720.3	183543.1	138982.9	186315.4	177588.7	145612.1	TRUE
215742.1	195509.7	195715.5	206458.5	202340.1	202046.3	215798.8	201009.3	TRUE
83672.4	184166.5	172200.3	235781.7	291568.1	58490.9	42036.3	55415.9	TRUE
355736.7	415399.5	484232.6	502014.1	496109.7	426775.4	288127.2	314807.6	TRUE
113134.8	110583.2	138037.3	147240.6	147890.8	134372.6	99708.1	135293.3	TRUE
543928.3	652988	675342.8	586952.1	581471.7	532722.4	509024.5	469987.5	TRUE
68179	67040.8	72889.4	89323.8	90254	77573.8	65915.6	73096.1	TRUE
581827.6	647805.2	704540	973388.8	757790.7	694529.3	610427.9	555837.4	TRUE

383818.5	456027.8	521060.9	531020.1	516172.3	406838.2	358936.5	376994.9	TRUE
139732.5	311546.5	319881.9	488728.3	606689	83598.6	49523.5	60146	TRUE
99748.1	70099	87434.5	86556.7	113773.1	71880.9	65370.6	75399.5	TRUE
591896.1	501201.6	586821.1	584479.6	532652.9	541595.6	545230.5	568332.4	TRUE
54972.8	120123.8	113655.1	188726.5	195171.1	49530.8	37885.9	34154.6	TRUE
490668.8	519288.3	403760.3	531164	635029.3	354209.7	497608	452880.8	TRUE
906943.1	641788.7	915883.7	1003507	1015156	853653.6	729921.3	983416.1	TRUE
77250.5	64497.4	80328.5	77656.7	75560.2	94659.7	79660.3	65893.6	TRUE
97547	86845.4	87165.8	113133.4	99847.8	104112.8	116474.1	169137.7	TRUE
101050.3	103939.4	86241.3	88003.2	97826.5	108312	125537.3	103322.9	TRUE
57765.8	30955.1	34568.3	53604.9	49293	52210.2	48288.1	62415	TRUE
476442.9	193368.3	125271.2	171948.5	138933.4	172347.4	193342.1	154391.9	TRUE
49785.1	35802	47032.4	46301.8	54476.7	54965.7	41347.3	56606.9	TRUE
122895.2	126620.7	109981.4	126467.8	135850.8	108552	98168.9	106303.1	TRUE
67233.2	110197.4	55698.8	109095.3	145129.4	45854.9	30173.2	57225.5	TRUE
106663.7	107419.2	121159.4	119232.9	106350.8	172697.8	117681.7	124166.6	TRUE
91380	68449.2	63014.4	89529	95523.7	79936	90255.8	85966.9	TRUE
88289.7	83208.7	99802.5	86344.2	117666.2	87145.1	105218.2	123560.7	TRUE
42221.5	27625.1	66336.5	52366.5	50044.4	44341.5	34866.1	44268.1	TRUE
46653.8	40082.3	34190.5	47350.3	35111.7	38706.1	33209.7	45169.3	TRUE
149724.2	94925.3	128808.2	155077.6	125738.7	134564.1	124141.4	179675.1	TRUE
122864.1	135201.7	132900.4	134026.9	111500.3	127468.5	147406.1	105032.1	TRUE
38270	28445.1	39142.6	26535.9	45717.7	36662.7	27873.8	53747.3	TRUE
41686.2	58211.5	43273.9	52011.9	76915.1	36385.2	36674.1	46666.1	TRUE
52368.4	48413.7	103135.9	51751.6	45782.3	49262.8	45876.5	64187.4	TRUE
51568.5	48236.5	61059	49460.6	62820.7	64862.4	52165.1	51400.7	TRUE
33581.5	24331.2	38324.8	30509.9	33764.1	53122.1	43998.2	53311.6	TRUE
223288.9	46210.3	41643.7	52578.5	50751.7	55301.9	62857	63073	TRUE
41060.1	53428.6	84376.5	60556.7	65797.8	41049	38773.6	26365.2	TRUE
45772	56753.4	61129.9	79859.4	46960.1	42076.7	65558.5	44467.2	TRUE
33346.7	46855	39428	36560.9	54020	35926.8	34381.3	22892.9	TRUE
82270.1	68108.3	93892.4	84331.4	90624.8	62923.3	101881	83041.6	TRUE
369241.4	214608.4	298579.5	364213.7	348976.6	347927	324238.2	421833.3	TRUE
40408.3	37695.2	28754.1	44242.5	33119.3	36924.5	42971.6	25870.2	TRUE
52934.3	55145.3	52186.3	57646	131254.2	50241	45136.2	58355.2	TRUE
177882.8	157851.1	121390.6	158443.4	179401.7	152213.1	153723	163948.4	TRUE
73649.9	59135.6	55307.1	60158.3	62170	87753.3	62520.3	70229	TRUE
59446.6	63388.9	151361.3	61639.4	61369.8	50442.6	52625.4	68736.3	TRUE
89011	64415.7	49641.7	75223	67196.5	97389.7	82740.8	94471.8	TRUE
47311.8	77928.3	49482.1	57538.8	62656.8	42984.9	43411.8	61863.2	TRUE
65738.7	55346.5	98867.9	71471.2	79155.7	74574.3	66030.9	83397.1	TRUE
42945.7	33660.9	30721.3	45132.4	45755.5	30709.4	33898	58282.2	TRUE
70325	34949.1	40114.5	37867.6	52378.1	64955.3	46379.7	89944.1	TRUE
119522.4	69087.3	76054.6	91643	115326.6	107816.1	80905.2	105329.3	TRUE
37689.7	10223.4	26399.8	11787.1	20549.8	33090.5	16335.1	36314.1	TRUE
42008.8	52679.9	55821.4	58758.7	54366.2	59020.2	63968.2	59902.1	TRUE
192360.3	152749.3	168197.7	235904.6	303670.4	158674	156710.5	245365.2	TRUE
61915.4	41255.4	70938.6	87468.1	70228.9	65632	58760.6	70694.5	TRUE
33663.8	11286.1	28402.9	32258.3	26603	34516.5	31605.5	40411.1	TRUE
102182.4	86250.6	94772.6	85112.9	104193.8	93048	112507.5	74732	TRUE
1964845	1203172	1215593	1473949	1416333	1848102	1399446	2069190	TRUE

62337.4	52322.7	63140.1	61426.5	66879.3	76218.4	66999.7	50195.8	TRUE
137967.2	121427.1	51270.6	58792.4	61541.1	59543.2	65501.6	59770.3	TRUE
40245.6	35766.3	40791.8	31793.7	42492.4	28285.9	12953.4	48485.1	TRUE
147526.6	134592.1	142665.1	159873.9	172035.1	142130.3	139713.3	182151.5	TRUE
49221	40068	40122.4	48155.3	44262.4	42204.8	59208.2	59843.9	TRUE
155799.9	160124.7	141629.4	151425.1	154414	145888	149064.8	139777	TRUE
35553.1	25999.8	26980.2	38122.2	32562.4	39469	14110.1	37194.1	TRUE
130791.2	83838	108229.5	112442.5	130146.4	125386.7	111151.5	132434.3	TRUE
748770.4	687396.1	700671.1	820100.9	1010670	825625.2	709889.5	970922	TRUE
55785	47827.4	77992.5	64854.5	81468	68138.8	34175.8	57491.8	TRUE
189243.5	145751.9	194110.1	208581.3	222320	155503.9	163253.6	213111.4	TRUE
218176.5	233942.9	170988.9	206186.2	217185.6	211738.2	213603.1	241161.4	TRUE

93285.5	131827.8	86302.3	119162.5	127467.8	78587.6	62749.3	67234.2	TRUE
106752	296347	144620.2	168831.1	237431.1	93965.7	68624.7	74355.8	TRUE
400503.4	536933.1	562037	555072.6	420854.7	376339.2	430945.5	405212.2	TRUE
143708.2	167725.8	133119.2	264553.1	201848.6	258070.6	220011.2	165302.8	TRUE
108089.2	127365.3	97198.8	111987.4	112404	71590.9	89422.3	110435.1	TRUE
68009.7	102266.1	109334.1	81224.3	92406.3	85128.5	97223.9	82217.3	TRUE
71332.2	82602.6	122345.3	80451.9	75975	94122.8	79875.1	105501.4	TRUE
83586.6	135164.3	69644.4	104699.7	118806.7	96932.3	96714.3	109033.5	TRUE
201411.2	276207.5	280053	278496.6	326581.1	260434	201360	232529.5	TRUE
471905.1	490513.5	409360.9	587605.4	632678.1	522925.1	396815	545003.6	TRUE
112782	120127.3	144531.4	76916.4	100588	78119.6	90269.5	94559.3	TRUE
26316.9	89003.8	43617.8	69870.9	94148.2	35573.2	24757.3	13238	TRUE
28549.4	52273.6	62672	41110.9	46179.3	17129.6	30116.9	7942.9	TRUE
94691.5	137724.9	146441.1	94663.4	130537.4	88775.1	78088.1	74610.4	TRUE
183325.6	266442.7	177981	197108.6	279145.1	189129.3	213279.1	197511.5	TRUE
419748.6	543888.8	522724	501753.1	471717.4	452149.9	404549.9	381530.1	TRUE
36817.7	113802.9	43736.1	71514.6	93674.1	12193.1	26453.3	36043.2	TRUE
757006.2	851137.2	825229.7	870556.5	1020709	751072.8	624495.2	760354.5	TRUE
71735	303708.5	114447.5	191570.7	289737.5	41123.2	12543.2	32735.9	TRUE
36367.9	100464.8	52624.8	85165.6	76906.2	9389.4	13297.7	8782.6	TRUE
711206.5	1009613	809843.6	1049506	953225.7	661951.3	734639.8	777940	TRUE
2226961	10165570	3777852	5864275	8706468	600001.3	462511.6	677200.4	TRUE
122404.9	160389.5	111730.6	98987.5	161036.1	155388.7	187034	172662.1	TRUE
73875.1	64790	69486.7	68969.1	72891.9	81967.5	79449	95855.4	TRUE
101910.3	100785.4	131468.4	95707.3	90783.2	147317.3	119600.1	140140.5	TRUE
143231.4	157200.9	139812.1	147327.3	160675.7	212629.7	182563.6	213811.3	TRUE
60799.2	48572.8	63325.5	68300.1	55328.1	100651.6	62045.1	82743.1	TRUE
318530.8	138971.1	112968.8	141059.9	142304.8	209898.2	156586.1	229045.6	TRUE
84202.5	39999.9	54399.5	54158.6	55274	104003.1	73807	115699	TRUE
140063.5	130005.1	129132.5	148442.5	182465.8	146344.1	137134.8	152770.8	TRUE
130381.6	89229.4	149767	105186.8	129619.2	148086.4	104416.9	130037.5	TRUE
87558.8	84650.1	76906.3	87583.1	95336.9	91269.6	91091.6	77351.4	TRUE
137514.1	88382.4	97991.5	109640.1	156704.3	171472.8	120190.8	153318.5	TRUE
36681.2	47975.4	31889.8	47632.7	43845.9	59824	38086.7	57878.3	TRUE
58385.6	73511.3	63219.4	58253.1	66414.4	66265.3	81315.1	52395.1	TRUE
85970.3	68055.9	85895.6	81229.8	85609.5	82967.2	83613.6	74048.3	TRUE
107639.8	147739.3	120155.8	81191.3	103795.3	119954.3	112609.6	119035.8	TRUE
84233.2	97380.5	78980.8	86577.6	98781.2	89992.8	91602.4	104332	TRUE
124206.8	128526.2	77084.8	85197.8	110334.8	143926.2	159170.6	160102.4	TRUE
170670.9	160701.1	145078.5	140538.9	160508.8	181192.7	179272.8	191201	TRUE
54729.2	70729.7	55553.4	48278.5	38364.6	72375.3	76657.3	56091.4	TRUE
136215.6	120188	87024.2	91269.8	100308.4	123255.9	171771.7	189666.6	TRUE
642458.7	589019.1	383302.8	396588.6	473263.8	737282.9	788283.7	756478.3	TRUE
138319.7	128597.1	94145	122345.5	125588	144688.2	150474.7	181367	TRUE
44608.7	49819.4	31735.7	27596.8	35382.4	53508.8	60563.6	47098.1	TRUE
62399.8	67925.7	68946.6	67414.9	69398.4	73367.4	66425.1	61288.8	TRUE
99950	110489.4	78310.5	90320.9	71049.2	92778	103670.3	106192.1	TRUE
215115.4	173853.1	145187.7	139244.2	145553.5	276662.5	229426.6	274929.3	TRUE

178892.9	192026.9	159942.6	206051.7	160561.7	186282.8	261685.3	219841.2	TRUE
114131.6	113263.8	106854.5	113723.5	85814	164086.8	125409.8	140297.8	TRUE
226039.7	225851.8	164802	160572.3	193692.8	267478	305764.3	275361.5	TRUE
202755.7	190032.1	156518.9	157259.8	184185.6	226020.8	249267.6	264274.5	TRUE
125916.9	112797.8	75607.4	65799.7	105797.1	147638.9	156714.9	166902.8	TRUE
202812.9	180901	142289.8	197518.4	188993.1	254149.1	238867	245570.4	TRUE
203349.5	170157.6	160288.5	141252.5	175752.3	248169.8	261255.2	236616.5	TRUE
38012.3	37270.8	48879.3	46888.7	38116.7	42859.4	59147	46642	TRUE
157733.7	167512.5	114181.4	134139.6	132164.7	185480.9	249352.2	217129.6	TRUE
5548784	5148896	3466009	3217827	4368024	6556855	6598671	7288787	TRUE
50910.8	54467.5	45132.6	45617.4	54499.4	72519.8	63045.4	70892.3	TRUE
94974.2	92181.1	55851.8	64909.1	70041	77323.3	123213.2	135028.9	TRUE
72835.9	75661	67867.2	71771.3	68433.3	69944.9	87442.9	80195.6	TRUE
200183	175469.1	166270.6	238800.5	192685.8	166343.8	221480	267150.9	TRUE
83400.6	65629.2	44934.6	74840.9	60856.5	79138.8	90274.6	80090.2	TRUE
70486.2	63289.9	57044.8	63225	56829.4	78527.7	51350.2	68809.3	TRUE
157814.1	155102.4	113657	132959.9	137659.4	175375.6	213647.9	190850.5	TRUE
221257.1	190253.2	175991.5	208124.9	172270.2	184702.1	198977	222082.9	TRUE
83657.6	87232.5	57939.9	71392.6	70804.1	114132.7	116254.3	143077.6	TRUE
76073.7	88368.8	72679.3	51162	83333.4	106044	112855.5	115886.8	TRUE
176585.5	223943.1	247265.8	183411	202971.7	185852.5	190453.6	227871	TRUE
83065.7	83097.3	74972.4	82068.7	86094.1	81284.4	90225.9	97840.4	TRUE
75834.7	76343.2	65156.1	99988.1	79993.1	79208.7	80507.5	72658.9	TRUE
23555.6	25087	8337.4	16609.7	22644.5	30745.4	40305.8	27721.5	TRUE
39129.8	32200.8	11576.5	15719.6	33081.7	57285.4	43212.2	53576	TRUE
39878.1	34232	42139.9	25159.2	38587	33256.5	54194.1	49307.1	TRUE
36423.2	26422.2	23207.9	23245.9	27441.7	36478.1	22138.8	24251	TRUE
26824.5	23556.7	25383	11803.2	24532.3	8782.5	24988	14705.8	TRUE
41792.4	41429.2	44155.3	38469.7	34574.1	38808	35119.4	43451	TRUE
44574.8	56452.1	45446	36055.9	42301.7	47505.3	67527.5	53753.5	TRUE
85803.9	76682.5	107016.2	99772.8	92255.1	118667.4	116372.9	95844.3	TRUE
63425	78958.2	71834.5	88815.6	70444	75111.1	86850.2	72856.8	TRUE
27358.9	26265	9944	15551.8	30284.3	31945.9	28805.4	34330.6	TRUE
58291.8	46729.4	60657.8	63806.5	51667.6	68416.2	69670.3	77746.6	TRUE
31143	42385.5	32056.3	42172	38127.7	50093	44961	46505.1	TRUE
150463.3	153193.5	145495.3	148003.4	120775.4	219816.2	189500.6	237008	TRUE
18976.9	8514	10921.2	9614.2	18038	30099.8	23712.3	22417.2	TRUE
53433.3	43339.5	64006.3	43681.9	60740.4	53457.8	53941.5	43955.3	TRUE
269232	248515.7	269111.9	263854.9	308158.6	357398.7	344808.2	404122.6	TRUE

29079.4	20203	12515.9	12377.9	44082.8	24682.3	23565.2	13350.5	TRUE
33825.2	40341.3	33292.1	10942.7	57858.6	38481.7	40747.3	41153.5	TRUE
270273.9	235402.8	187412.1	189580.8	211900.8	243213.4	261571.7	246270	TRUE
10500310	7067592	6241136	8506249	8545101	6801676	5615697	9223167	TRUE
929570.5	644447.8	611611.9	774893.5	793080.9	614599	519185.2	784089.2	TRUE
223141	169976.2	147242.1	164000.4	184077.1	135360.1	124673.5	199998.4	TRUE
531825.5	435850.6	354659.1	425207	462459.2	368728.6	296852	459137.6	TRUE
364744.9	279036.8	249865.7	324147.5	359291.3	272671	198607	337646.2	TRUE
210239.1	84386.4	210933.2	69137.5	105371	77442	96593.2	58808.2	TRUE
69997.5	23351.5	59685.9	44366.2	74688.1	64172.5	49348.2	66516.2	TRUE
1582099	937922	1803721	1977104	1677979	1666764	1014584	1474362	TRUE
144696.8	114591.8	130694.8	168670.2	122197.1	171395.1	124351.8	167948.9	TRUE
372825.7	566451.8	736878.6	1491596	1500871	217375.6	104784.8	253321.5	TRUE
50625.1	7310.7	37348.5	65567.6	57952.5	59971.2	24650.7	55776.6	TRUE
79210.9	96500.3	58931.2	78533.8	100574.5	92167	89282.2	108490.9	TRUE
1008711	1050834	698901.8	700131.4	981795.6	924875.8	903232.1	1020344	TRUE
2004306	2087718	1112281	1125692	1979366	2070322	1869827	1909073	TRUE
106756.5	280312.6	137942.6	174045	381153.8	65229.5	49496.7	78083.7	TRUE
4079065	2930124	3463421	6206353	5147723	3597564	3039864	4667721	TRUE
10519712	7277401	8176338	14612772	12197888	9249355	7504356	14156399	TRUE
491764.7	346629.8	440626.7	552494	540708.9	488852.9	316416.3	584932.1	TRUE
148905.1	134680.5	141891.8	165156.1	168556.8	138639.6	130672.7	173004.6	TRUE
662010.5	496776	616234.7	792345.5	758107.2	626869	534039.9	723224.4	TRUE
370354.1	340971.2	373019.8	450709.8	397634.8	381447	319016.6	403848.1	TRUE
811391.4	646862.1	780978.9	1021676	905353	775153	651182.6	911196.1	TRUE
1515126	1047262	1309482	2010944	1838052	1417842	1162998	1807861	TRUE
1609456	1075124	1539429	1779150	2006862	1623732	1222808	1945878	TRUE
2320633	1612320	2186888	2547104	2798338	2396195	1661459	2829792	TRUE
1066987	840585.4	976004.2	1312027	1386216	1123278	862168	1316354	TRUE
660699.8	481839.5	683905.2	749479.9	862451.9	743859.3	488041	903959	TRUE
7355379	4367258	6693311	7320066	8348517	7166854	5017699	8259187	TRUE
595105.1	409757.7	564928.9	607282.4	637001.9	628505.4	398433.6	680528	TRUE
4464004	2861119	4469217	4785057	5011392	4683057	3146676	5477579	TRUE
2938027	1953558	2680067	3180894	3313786	3031797	2211038	3517560	TRUE
8260168	4981662	7148565	7816681	9122042	7507433	5417069	9412016	TRUE
884287.9	584976.8	840641.4	974513.2	1010150	893246.3	594023.6	1065218	TRUE
254074.3	198490.1	276771.4	302414.5	298498.8	287613.5	244268.5	300319.3	TRUE
637803.1	485434.5	644912.1	644986.7	777212.8	689212.7	512325.1	816446.9	TRUE
2569977	1720630	2387766	2945772	3036546	2629920	1934065	3087496	TRUE
478034.5	330764.7	458183.6	465302.4	572124.8	438244.2	359039.3	541272.6	TRUE

4104211	2936145	4014752	4454688	5072737	4268218	2914731	5119663	TRUE
2202440	1380045	1996420	2419504	2538353	2160960	1604219	2520882	TRUE
3281009	2235955	2965770	3553389	3844009	3131319	2560584	3865303	TRUE
1447244	1020697	1292505	1523305	1711087	1453532	1129137	1740305	TRUE
3227571	2310347	3020325	3523099	3742285	3155000	2389412	3721241	TRUE
4824419	3034900	4708235	5029912	5901028	4823537	3428788	6006920	TRUE
37086.4	28079.3	41574.6	33367.1	38607.9	34393.3	39357.7	41127.3	TRUE
39053.6	32683.1	32249	37803.1	28272.5	35295.2	31621.9	32431.9	TRUE
149352.1	116119.2	140030	180146	180205.9	140082	118884.8	187835.9	TRUE
79447	49121	90764.8	94600	105731.9	82067.6	66538.8	78454.1	TRUE
173146.7	136481.8	186370.1	175214.7	235136.3	187691.2	151301.1	198182.8	TRUE
70041	56670.7	65322.6	78167	81257.6	71489.2	77242	100354.7	TRUE
373008.4	295617.3	377860.4	482627.5	440888.5	358517.1	330796	445791.6	TRUE
2419489	1772789	2123854	3116084	2768934	2297437	1822917	3004794	TRUE
203989.5	182551.7	226997.8	228611.3	252888.7	221099.8	187065	210703.2	TRUE
146975.5	110540	159538.8	160789.6	172474.6	144595.5	139609.1	158241.6	TRUE
284251	241534.9	327528.1	329366	353761.7	281507.7	233405.9	353168.9	TRUE
24594.2	22051.5	19186.6	29418.2	28700.3	20563.4	27013.6	24175.2	TRUE
195057.8	125090.4	152954.4	362454.2	302906.2	367504.2	196904.7	227737.3	TRUE
498481.8	346216.7	543814.4	540527.1	559990.9	543832.2	419905.3	699200.4	TRUE
214577	139006.8	154181.8	212570.5	205413.8	235007.6	165976.3	260149.3	TRUE
90675.2	74306.8	78428.7	82214.3	91139.1	75711.5	69976	70645.8	TRUE
201560.4	122101	139631.3	214686.1	217160.1	206370.2	142678.9	198149.8	TRUE
54757.6	115895.6	146011.8	216558.3	293253	38647	13238.3	35161.8	TRUE
304841.6	705657.8	405651.7	865526.5	1105617	126284.5	40745.6	157609.9	TRUE
110597.1	255867.7	132858.6	288210.8	325866.1	42515.3	10697.4	43245.6	TRUE
190971.8	126745.7	234768.7	187721.2	203930.8	212445.7	137738	302069	TRUE
425553.8	243447.4	348887.2	414221.7	444130.3	499442.9	313530.9	637103.1	TRUE
157188.5	204895.6	212166.9	321935.9	388274.8	101824.4	75746.8	114087.8	TRUE
38839	73804.1	52139	102388.2	112279.6	33580.7	12276	31018	TRUE
162131.2	240465.9	220278.6	357241.6	469726	101640.6	49655.8	113146.4	TRUE
54482.8	82765.2	82116.8	124172.2	151302.3	32267.1	39028.2	49594.1	TRUE
24250.8	40466.3	52334.4	61281	79092.2	23914	12453	19106.2	TRUE
86406.3	93473.5	94236.7	93339.8	130528.2	73707	85367.5	98711.6	TRUE
246876.9	206321.1	347776.6	285623.7	293367	251543.6	253333	321755.2	TRUE
406267.2	348952.6	353445.4	395011.6	469236.5	378355.6	349029.4	512161.2	TRUE
708289.4	735752	644015	624390.3	736768.8	832171.9	782579.7	774106.3	TRUE
66038398	74863217	44688189	48709861	64249506	1.03E+08	85521732	98850686	TRUE
898132.3	1101625	665455.7	659974.1	890648.8	1176945	1114177	1189354	TRUE
659321.9	722393.4	435907.8	467350.1	697287.6	787635.1	810739.1	782729.8	TRUE
378948.8	400586.6	293972.6	282175.1	389567.7	419473.1	411018.9	413777.9	TRUE
474794	526065.4	432983.4	452729.3	525336.7	555762.6	569991.5	529431	TRUE
460855	493748.7	339865.1	343172.5	477288.5	536702.8	520067.2	533085.8	TRUE
1125925	1258455	794792	777010.6	1228701	1325972	1414831	1323876	TRUE
590722.4	665289	418347.4	449469.4	685570.4	706188.5	745568.4	710933.8	TRUE
1188225	1248528	832944.4	816517.2	1397700	1312947	1376055	1263109	TRUE
287763.5	369741.4	241057.8	241120.3	300459.8	333158.2	357479.6	325821.9	TRUE
26631.5	22301.7	21510.8	31201.8	25405.9	48666.8	31133	31277.2	TRUE
27711.1	29654.7	24401.1	9501.4	19507	37519.3	32217.7	25809	TRUE

15117.3	17952.9	27449.5	12107.8	8008.4	22229.7	25733	21480.9	TRUE
15329.6	18679.6	12947.9	7734.1	20733.8	7210.3	19278.8	11428.9	TRUE
18745.6	21024.8	7128.5	9793.9	17827.6	11577.9	19972.1	22806.8	TRUE
16288.5	8722	9670.6	7343.1	14021.8	10306	25779.3	12087.9	TRUE
158415.8	165298.3	115240.1	130457.5	150979.2	196607	188472	173543.3	TRUE
172543.3	175603.8	114718.9	105266.4	178791	204237.2	202147.7	198507.1	TRUE
307662.6	334054.5	203659.9	217209.8	317910.9	430323	374559.5	407145	TRUE
264851.9	305634.5	196941.8	225650.3	289470.8	397629.7	366522.8	384883.9	TRUE
147001.1	157186.2	98283.2	132838.8	136304.1	205663.6	158573.8	168318.5	TRUE
199431.9	204120.1	145080.2	139077.2	196423.8	252678.6	236835.3	299502.1	TRUE
167149.8	210504.6	143043.8	164833.3	170050.4	215398.3	195173.9	261089.2	TRUE
250379.5	257938.4	158639.2	186524.9	230717.5	301457	288660.6	336441.1	TRUE
211145.3	216320.2	140151	148276.1	230075.1	297391.5	256627.5	326772.4	TRUE
94868.2	107327	62954.5	94544.1	100750.3	123640.7	105088.9	131573	TRUE
140336.9	174492.4	107983.2	102868.2	123892.8	191024.9	195301.2	213505.5	TRUE
231379.5	253858.8	139689.8	174624	209938	360629.5	298190.8	367767.5	TRUE
86860.9	89455.1	63405.6	63731	82712.9	127248.9	108698.1	132893.4	TRUE
237425.9	241767	152550	159750.3	225188.6	365623.8	283274.1	350279.8	TRUE
111961.2	113018.2	66343.8	95810.3	97887.1	152296.5	135318.3	164617.5	TRUE
160003	336773.9	204375.6	227906	327514.6	105152.4	120416	105872.5	TRUE
332780.9	961348.9	401024.9	584957.1	802322.6	225546.2	247618.5	234144.8	TRUE
63526	94446.8	82424.8	94380	90503.4	85821.3	53333.4	58451.4	TRUE
31331.8	64265.7	37653.9	40575	64119.6	11161.2	25737.6	28988.2	TRUE
51009.3	180737.8	54177.3	85618.4	122684.2	19511.4	8118.1	26648	TRUE
109394.3	303646.8	107045.5	169331.4	283726.1	72016.5	69223.5	96188.3	TRUE
72827.3	143958.8	73180.5	105656.3	129857.8	46166.3	43122.4	43472.8	TRUE
114793.2	71538.2	80047.7	43184.3	61628.7	74703.3	90426.4	60117.1	TRUE
461607.1	228395	321984.4	167228.7	215670.1	256492.4	334168.5	212012.4	TRUE
205867	221359.6	156433	156450.9	196400.9	193829.9	207800.1	227818.1	TRUE
94936.3	73030.4	51721	72507.7	80707.5	64212.2	51206.8	64714.2	TRUE
43620184	29079451	42656289	49634861	53397063	45182102	35099905	53689976	TRUE
13311619	8780522	11543830	13167123	14869666	12833884	9039054	16569271	TRUE
399873.8	922714.6	616211.2	1327392	1561057	137461.3	63504.4	176908.2	TRUE
356740.9	863757.8	453610.2	1024211	1224063	114681.2	35485	167992.9	TRUE
52026.3	106283.4	76784.7	105266.3	195706	36130	56256.1	92655.1	TRUE
54471	42509.5	54545.2	42651.7	65009	47744.7	44367.7	62747.8	TRUE
1.53E+08	1.64E+08	1.05E+08	1.1E+08	1.59E+08	1.69E+08	1.89E+08	1.76E+08	TRUE
37223678	38765074	22309175	26132828	38143947	41131996	46398280	43326075	TRUE
7780195	8596247	5373421	5931970	8277290	8331178	9883648	9735812	TRUE
62743.4	47472.5	42567.6	48721.5	63507.6	49800.4	63955.4	52552.9	TRUE
716540.4	2627811	878840.6	1637894	2524499	247308.7	217922.4	324751.2	TRUE
93618.5	353399.9	251385	255826.7	360936.9	61006	44400.6	51005.8	TRUE
2947322	11211731	2407854	5338906	8691267	764912.5	606502.6	992538.6	TRUE
749516	2770880	568099.2	1330641	2071935	201891	149774.4	241344.9	TRUE

54084.8	127143.8	55467.6	87705.1	118512.4	38576.1	32822.1	36865.4	TRUE
106567.9	121592.8	70471.3	53367.5	81870.5	107299.1	123067.3	100087.6	TRUE
94275.1	85107.5	76252.7	97153.9	97837.6	76969.2	86833.4	104940.3	TRUE
291632.2	224448	328496.3	274228.7	348139.4	331098.1	254389.8	313497.1	TRUE
198575.2	144232.8	203675.1	178769.7	240001.9	197340.3	155125.7	243132.4	TRUE
424417	366528.8	406985	341511.2	581982.3	443869.7	375294.9	558412.5	TRUE
145077.1	133473.8	151220.7	113575.8	176718.6	155779.4	139153.7	138803.6	TRUE
10986343	7010161	9674986	6929360	10072173	9286630	5759788	10089107	TRUE
85751	55730.9	70733.5	54988.4	69681.3	63188.4	52103.1	81943.7	TRUE
416155.7	296035.1	384735.3	293886.7	353367.9	389023.7	309570.3	359390.1	TRUE
95679.8	135596.9	182570.6	122347.4	128135.8	125645.7	92114.8	141666.4	TRUE
74392.8	75701.4	113555.9	94360.1	120731.1	91591.7	72355.6	99371.9	TRUE
11279729	6985501	14800182	11565767	15974546	15766368	8870756	16347627	TRUE
199511.8	201867.5	229691	158750.8	208407.3	252548.1	243573.6	187094.8	TRUE
61005.1	47605.2	78598.9	63379.5	91804.1	60365.8	51825.3	86866.8	TRUE
92582.7	61237.9	103093.9	98930.6	99242.6	99266.5	49824.8	113315	TRUE
67965.7	55418.9	93488.1	63088	114881.3	100347.7	65368.9	109428.3	TRUE
42899.1	38669.5	50943.4	38760.1	54145.7	55851.4	30675.3	54960.4	TRUE
7343.4	6495.8	50666.3	2598.7	20517	20651.2	6320	10173.9	TRUE
12949.2	3824.9	16552.6	8579.7	8757.3	15417.9	7198.3	10276.9	TRUE
28071.1	23793.3	30524.9	26534.3	37187.4	25521.8	10359.6	34179.8	TRUE
29297	22644.8	23293.2	24163.3	37881.8	38227.5	7149.7	38171.7	TRUE
36819.9	29901.7	43201.5	37626.2	43222.3	42632.3	32837.7	35690.5	TRUE
52388.7	37468.9	49298.1	52739.7	55086.8	64569.9	36167.3	45937.1	TRUE
94733.2	124023.8	109813.4	175862.5	203903.8	78092	74510	87321	TRUE
450226.4	967013.8	1133018	1424516	2419314	262854.5	100604	252729.2	TRUE
61889.7	118470.5	76708.3	115729.6	138806.9	29013	59228.2	47614.6	TRUE
195058.8	133261.2	153915.1	233619.3	302981	340999.6	181830.6	297567	TRUE
29979.4	61535.8	46259.6	46211.7	82990.1	27070.7	8135.1	39687.3	TRUE
52978.8	48726.1	45143.9	66196.6	79484.2	28244	39220.2	34798.8	TRUE
25251.8	47887	33501.3	56289.6	66945.3	31006.8	14076.7	37095.5	TRUE
433058	655043.2	801677.4	313690.4	443020.1	450712.2	527005.6	424211.2	TRUE
705465.3	838672.4	626723.8	661666.6	738574.8	740445.3	909403.8	768039.5	TRUE
164045.4	185332.2	118633.1	175593.5	190991.1	207369.7	193345.8	200480.7	TRUE
130583.8	127063	125217.5	149803.5	136084.5	116123.1	125804.9	125708.1	TRUE
1475482	1622139	948136.1	878087.1	1676518	1161351	1816730	1502352	TRUE
132250.5	153259	116899.6	108767.1	160614	134923.7	172535.8	131796.9	TRUE
23658.6	34959.8	26412.7	10803.4	30522.6	27508.2	44232.4	12766.4	TRUE
19070.6	27558.9	30916.8	40046.8	29791.8	29493.1	28743.2	30142.8	TRUE
139150.4	151185.8	138026	148311.8	184043	162015.4	176776.2	138716.3	TRUE
24850.4	30467.9	31383.6	33299.8	35580.2	26175.9	30827.1	27434.9	TRUE
41709.2	73293.3	28530.2	44208.7	55854.1	20360.9	20088.8	13056.8	TRUE
114203.8	351767.6	169786.2	166737.2	382063.4	16243.2	38792	46771.7	TRUE

17432.3	22953.9	20438	36433.7	25649.5	46582.3	28434.7	10865.3	TRUE
57470.6	57043.2	49743.1	44374.3	56003.4	49970.3	52426.7	62103.6	TRUE
81311.5	52642.6	73653.3	71962.5	80591.8	72747.7	70668.4	75580.8	TRUE
26391.7	23957.1	27826	27434	37473.9	33053.9	25792.6	43124.7	TRUE
359753.6	186048.8	364764.3	461377.5	448502.1	405598.5	282293.5	461096.2	TRUE
85722	75841.2	117775	113058.2	134996.5	103433	69581	118271.1	TRUE
336145.5	257488.3	321570.2	363431.8	412101.5	365662.1	257287.7	380405.4	TRUE
1130872	3385272	3553694	4978425	6354687	505381.4	274243.5	560446.1	TRUE
269730.3	233509.7	285722.9	369186.2	333964.7	302734.2	235231.1	291643.3	TRUE
55774.7	160318.9	208369.5	263185.7	350174.3	38931	22604.5	42623.7	TRUE
81587.6	73572	99423.9	121673.6	118678.9	97258.9	67304.6	113728.5	TRUE
51260.1	35667	66809.9	57118.6	47990.6	49432	38716.4	50610.4	TRUE
42702	60163.4	70131.4	53566.9	52362.9	40840.1	41377.9	42369.8	TRUE
164957.8	57224.2	113562.4	110332.7	116178.1	119844.7	105644.4	138508.1	TRUE
68996	50249	51877.2	69604.8	61821.7	66338	50569	72000.3	TRUE
116534.8	84862.6	80876	119662.5	118158.7	122992.7	129390.8	131682.7	TRUE
323501.8	205563.1	201543.8	335321	295007.4	321139.8	283037.6	421648.7	TRUE
132866.1	77077.4	89774	131253	133298.5	142942.5	139185.3	148952.2	TRUE
45908.3	36179.8	34559.2	33713.7	28496.7	36472	31203.6	43331.6	TRUE
123705.7	69185.5	83638.9	115276.9	144755.6	116706.8	114290.7	170030.3	TRUE
23518	7927.9	13424.4	22309	14901.6	15492.1	23975.1	21681	TRUE

212220.8	912020.9	306093.6	423555.7	617366.5	111929.2	119687.7	126862.6	TRUE
65519.9	276303.3	128296.5	126059.2	198846.8	50771.8	46061.8	45040.2	TRUE
128018.7	91721.3	147170.1	129717.7	107586.2	139527.1	122322.8	134314.1	TRUE
99754.4	78883.6	93118.9	125644.8	93938.6	154821.9	108032.2	157223.3	TRUE
120908.5	140055.2	133953.9	107593.1	125964.3	177000.2	167341.8	153692.4	TRUE
143856.9	156074.4	116060.9	142571.6	138965	182514.1	170006.8	171243.6	TRUE
149699.3	144607.1	99873.3	162546.2	115146	147872.7	173292.7	161305	TRUE
176142.9	185838.8	174214.4	175769.5	139756.7	226615.6	252575.4	261070.7	TRUE
562563.9	435275.8	639011.4	835911	772239.5	686011.8	490662.4	767844.9	TRUE

87047.2	50259.3	55947.1	97807.1	95305.5	85926.4	76458.3	84448	TRUE
430963.6	460283.5	425523.7	568117.1	522727.1	434938.3	461887.1	473483.9	TRUE
696196.4	624254.6	725563.3	778684.9	810848.2	724522.2	621964.9	769430.6	TRUE
187060.3	159380.2	193179.1	184493.8	203070.2	182446.4	165529.7	216678.4	TRUE
796282.9	578047.7	782387.9	908523.4	1030616	854288.8	585416.8	946732.9	TRUE
135356.5	145170.3	139290.4	165925.9	150591.4	137195.1	132628.1	160155.6	TRUE
99072.4	134070	152131.3	186595.4	212566.2	79506.5	85070.8	105305.3	TRUE
161224.6	442398.1	365764.8	469717.9	681886.5	50852	33069.9	56522.7	TRUE
183158	129760.6	271162.5	277042.4	272947.5	253608.6	186005.6	264900.3	TRUE
71173.3	93189.2	98644.2	116712.1	157485.1	49317.2	60905.2	65744.2	TRUE
59079.6	92473.4	121602.2	172718.7	171770	52431.1	48162.4	48686	TRUE
67295.2	103620.5	108098.8	156717	172416.8	62500.5	47105.9	67215.6	TRUE
56200.4	85247.1	171564	69621.1	78847.2	76819.5	59331.3	65140.1	TRUE
246142.5	162357.9	181882.1	264291.3	245809.2	226864.6	228353.7	356737.6	TRUE
74210.1	67948.1	51643.3	83607.2	77093.4	84513.8	89564.1	101481	TRUE
123448.2	78067.8	81356.6	121232	113310.8	119180.2	105371.1	148747.8	TRUE
442565.7	230102.1	305267	421287.5	436042.5	458713.1	358056.4	598926.9	TRUE
43656.9	40737.9	24915.7	55495.2	28778.1	50049.2	26986.1	50057	TRUE
80898.9	54780.1	78295.1	97888.7	98449.2	88318.6	70319.9	106281.8	TRUE

340322.6	1707308	392764.4	483344.1	1061304	79881	77225.9	119322.1	TRUE
150801.1	181298.5	132072.5	186939.5	200335.5	312498.1	228314.3	173286.9	TRUE
42311.4	26705.5	11347.3	13408.6	20224.1	31606.7	23413.3	34793.4	TRUE
110497.1	194899.3	139346.9	124300.4	181012.5	101491.2	79641.4	75013.1	TRUE
128751.8	699186.3	293487.1	427877.5	744110	66586.9	45372.4	53335	TRUE
20336	34769.8	10552.4	26789.3	30779.8	8402	27927.1	23436.5	TRUE
75334.9	104985.8	129390.8	106494.7	114648.8	105524	68476.3	88535.7	TRUE
134400.5	128603.6	122289.1	120558.4	117872.4	167826.7	146561.1	150834.1	TRUE
131713.1	130458.1	105424.7	143666.1	132747.9	164668.7	157931.1	153733.3	TRUE
101239.4	132153.1	82497.5	193374	110420.6	132094.7	144294.7	99742	TRUE
931734.9	929402.9	559546.4	677051.4	752874.6	1200359	1170915	1268453	TRUE
27222.9	58700.8	10992.4	30866.6	37913.4	12362	36236.1	31749.4	TRUE
65561.3	51853.9	48894.8	54618.2	70222	57196.5	40938.7	63753.8	TRUE
747268.1	623642.2	653832.5	680134.8	877510	648365.9	621933.2	803558.9	TRUE
7400938	4507215	5609957	7567594	9865991	5267329	5380062	9039863	TRUE
7399999	4724983	6269754	8846005	10496899	5823829	5540144	8904188	TRUE
2063308	1584517	1846463	2549343	3016300	1766881	1728453	2669066	TRUE
26615588	17940714	19517904	29915048	36509959	22898106	20939817	36904355	TRUE
17353571	11926798	12893820	18332835	24110235	14584731	13864749	24842463	TRUE
31511021	21401972	25077814	34565556	44528515	24492723	24912934	49638158	TRUE
1622229	1098861	1382291	2101010	2455311	1603150	1407639	2451592	TRUE
3575285	2574849	2725589	4006501	4910561	3092044	2801607	4811347	TRUE
1316631	1065384	1113829	1476342	1838085	1250845	1170120	1876223	TRUE
5989382	4061228	4838612	6881801	8658320	5110283	4446600	8726616	TRUE
2533105	1973688	2122572	2805974	3597132	2256615	1986430	3443189	TRUE
1004075	743559.4	765888.8	1116896	1247258	790902	786806.3	1264846	TRUE
1086747	978593.4	1018908	1276212	1535959	982594.3	1056836	1380297	TRUE
184491.8	195841.4	183508.3	243652.2	280471.5	186934.5	165235.5	285398.9	TRUE
228938.1	237694.1	212536.1	271286.2	310948.8	204319.6	248390.8	288031.4	TRUE
296212.6	238958.1	224619.7	320972.5	353599	249791.7	297158.1	367089.5	TRUE
133769	87067.3	98382.1	135732.6	169958.6	109750.7	95786	175732.6	TRUE
218035	162447.2	202118.6	226395.3	286030.7	197932.1	197967.5	263634.9	TRUE
97033.6	65137.5	75372.4	108027.7	135026.9	69178.8	71836.8	121269.6	TRUE
76108.7	73097	52334.6	90891.8	98691.1	75501.8	59686.7	102664.5	TRUE
111776.5	105119.8	97444	124527.2	145506.1	88618.6	112919.6	127786.4	TRUE
263543.1	200432.9	197516.7	296687.8	319835.2	180340.4	231592.1	338801.6	TRUE
325047	302137.5	307587.2	384521.8	384815.4	313426.5	349501.7	398078.7	TRUE
34008.3	31352.8	26910.5	45920.5	45849.8	33612.7	39399.9	34457	TRUE
494157.6	346421.4	409803.8	619331.2	642131.2	430785.9	428574.6	518135.2	TRUE
2331482	1735331	2076571	3100719	3137820	2156403	1935185	3338673	TRUE
6262215	4092204	4629090	7045064	8552568	5438963	5204321	9405138	TRUE
94520.9	66574.4	75531.7	82155.7	119315.7	78564.7	72893.1	105119.2	TRUE
732806.2	595510.6	665949.8	888473.4	1023055	655931.6	643019.4	1040685	TRUE
596295.9	502435.2	505994.4	697865.7	855583	561454	499158.1	801877.1	TRUE

275268.4	244220.5	238782.4	323141.1	374994.7	271846.1	252371.2	374332.8	TRUE
314707.3	254713	274727.6	385375.1	337834.8	290157.2	288566.7	377740.3	TRUE
195510.2	180629.1	159217.3	204039.6	245881.1	178299	169349.5	233377.9	TRUE
90139	240391.8	134681	253929.5	386890.9	42466.4	35620.9	51820	TRUE
216020.1	185428.6	170359.9	276840	292232.4	172100.1	149031.9	197942.3	TRUE
157518.4	152083.1	174282.4	184445.4	218831.3	124270.1	139366	191574.3	TRUE
62899	129656.3	117175.4	240518.9	302501.1	33377.5	27134.7	55844.5	TRUE
100350.9	201349.9	166246.3	330344.8	429255.3	83803	60380.8	63884.9	TRUE
34280.2	53256.4	27653.4	50910.1	69364.5	17774.4	19341.8	11630.6	TRUE
385380.3	861125.8	394810.7	1036726	1407761	133621.6	66039.5	209900.2	TRUE
227865.2	386317.7	240816.5	607062	735308.1	130549.8	95691.9	161366.4	TRUE
421429.2	331031.9	288893.1	588908	682170.3	352275	274885.4	566173.7	TRUE
48356.6	73854.5	61241.6	93422.3	128802.6	39078.2	37365	64996.1	TRUE
38767.8	68086.8	53559.3	96051	113293.4	20909.9	10073.5	35265.3	TRUE
54535.2	111156.7	61151.9	143513.6	204481	15467.5	11997.7	42752.3	TRUE
111741.9	152043.2	113587.8	200951.5	301370	79584.9	68157.9	87703.2	TRUE
107483	66053.1	71876.2	101498.5	99325.3	77373.2	83191.7	127927.2	TRUE
167206.2	103772.2	156367.1	192994.9	211558.4	165518	116490.2	221074	TRUE
8383420	10582970	6290759	6765929	7194653	9773183	11423061	8941460	TRUE
46479079	55100267	33526213	35610146	37599945	52864735	63281065	53260749	TRUE
369958	559352.4	889411.4	162906.5	289021.9	327354.5	407321.1	350437	TRUE
71359343	90907162	52444616	51685370	60390283	85732564	1.01E+08	83503092	TRUE
189435.2	251979.4	187174.5	148319.2	173946.1	212699.9	290299.9	232801.1	TRUE
17215801	21413070	11242799	12013739	14069978	19823099	23316299	20895085	TRUE
33773712	41247295	20217395	23565940	25925136	37315249	43192852	37802432	TRUE
2237920	2897407	1605549	1923332	2244664	2333380	3200139	2588724	TRUE
3455915	4557127	2877790	3405143	3070111	3587961	5117028	3891895	TRUE
1806468	2296157	1288814	1392378	1566708	2072153	2407341	2115465	TRUE
431776.8	595213.5	402910.2	470470.5	435836.7	495472.5	589294.4	527937.1	TRUE
1969072	2409023	1313946	1433373	1650477	2312248	2674624	2347542	TRUE
3100707	3775116	2107898	2357280	2434523	3300383	4027259	3534436	TRUE
234489.6	298928.1	176443.7	229816.3	208625.6	289990.8	311272.1	267498.4	TRUE
222874.8	301473.6	185215.2	230749.4	219444.1	303078.6	303001.5	311851.7	TRUE
30592	34919.2	15115.7	13651.1	28327.1	28115	40836	32468.6	TRUE
19619.4	20890.9	10610	5503.6	14302.9	23789.4	8530.5	8466.1	TRUE
283073.4	332287.5	202792.4	205326.6	230405.2	313631.7	346922.2	325739.9	TRUE
125911.7	161419.8	91505.1	113713.4	120440.5	134408.4	194106.4	171916.7	TRUE
56720.9	68320.5	37101	42653.1	46871.5	61259.8	79836.9	79115.9	TRUE
75818.6	68758.5	57653.2	50888.5	55950.5	109063	98321.6	84644.1	TRUE
299644.4	400378.5	195199.8	250477.2	260334.8	388305.2	422845.7	338796.3	TRUE
188654.5	201330.1	109615.7	142332	147741.2	231086.2	218488.5	226705.6	TRUE
170259.9	209908.6	111134.2	143691.9	142452.6	229879.6	215720.2	194379.2	TRUE
208258.5	247238.9	153911.1	164941	175169.3	235055.5	275567.1	226077.6	TRUE
142213.4	171594	98919.9	106926.2	116557.9	172152.8	182282.7	166971	TRUE
261934.1	345955.5	176947.2	179000.5	203517.8	320019.2	315660.8	288807.5	TRUE
392178.3	491331.1	317491.4	349596.7	319166.7	523309.3	548120.8	440247.1	TRUE
211715.6	250115.9	135380	170935.7	203091.4	221075.9	261482.2	245513.6	TRUE
351915.1	454308.6	204042.9	252621.2	292705.6	418010.4	482747.2	400686.4	TRUE
243567.6	356369	177844.2	189501.1	231077.5	334817	329912.6	299972.7	TRUE

336721.9	433103.1	271045.1	286518.5	297245.5	431712.4	506228.8	405990.7	TRUE
216160.6	234474.9	168031.2	178059.6	168299.6	264682.9	283660.2	266380.5	TRUE
464325.4	620313.6	304486.3	342478.8	384109.1	545943.3	659413	575219.8	TRUE
141226.1	182412.8	81781.5	109468.4	118368.4	197782.7	189864.9	154964.8	TRUE
169508.1	207050.1	114337.1	148466.8	133395.3	214416.5	239153.3	241387.2	TRUE
206854.7	244744.8	170160.8	148371.4	181654.7	231682.5	271747.7	248941.7	TRUE
148780	197884.5	108764.7	132559.7	117801.2	219085	215025.7	182412.2	TRUE
89508.5	91499.4	62061.8	59980.5	71490.9	90919.2	90665.4	91702.6	TRUE
132562.8	210576.1	118289	146354.6	148424.8	184748	228363.6	177922.2	TRUE
35049.3	38146.1	30853.6	25001.4	39126.1	36432.2	57890	49421	TRUE
25844.9	25901.1	12175.5	9659.5	19986.8	34712.7	27024.7	26963.6	TRUE
117088.5	486490.6	158136.2	249918.5	281174.1	63254.5	62306.9	52676.2	TRUE
151198.3	266618.2	132874	155848.2	203363.1	159210.1	153375.6	125944.7	TRUE
198324.3	254138.7	138957.1	148380.2	177484.1	257008.2	275127	212807.5	TRUE
55444	167627.7	70777.6	166436.7	174640.4	32951.1	49517.1	38958.6	TRUE
128783	222711.2	169039.7	194116	248260.3	117280.7	106337.4	87880.1	TRUE
1213457	5060727	952711.9	2140510	2567283	486343.7	261340.8	469497.8	TRUE
265069.4	834268	295674.1	410674.7	500402.1	190310.4	147116.8	138179.2	TRUE
203267.1	852932.8	195424.8	418266	467715.1	92715.1	75751.8	101791.8	TRUE

79751.8	56951.8	77041.9	104218.4	105116	96160.4	66959.9	84837.7	TRUE
2060703	1332520	2114739	2326772	2418967	1930535	1528211	2365119	TRUE
129609.3	84206.8	157075.4	160539.5	141525.7	155920.2	118300.5	162884.8	TRUE
97943.6	69087.9	103521.8	109821.3	112276.7	94575.2	94061.6	90746	TRUE

302849	210823.6	301230.5	372264.2	321010	335020	237417.4	294503.1	TRUE
5916665	3531055	6074180	7054553	6492542	6368531	4793318	7001196	TRUE
460765.9	303927.6	478533.8	556346.2	523450.7	496073.5	317010.2	520438.9	TRUE
248173.8	177562.4	278491.1	311050.2	303453.3	295518.7	208928.5	316033.7	TRUE
157211.6	97574.1	153875.9	179042.1	182134.6	151437.9	113721.7	158910.5	TRUE
65521.6	57115.8	65322.4	79751.8	81645.7	75821.5	77096.7	81298.3	TRUE
42698	24526.3	33621.9	48586.3	56248.9	28727.7	29600.3	39813.3	TRUE
59446.2	59564.2	56054.3	69766.5	67046.9	63218.4	48923.4	58527.2	TRUE
20146.6	19786.3	20575.7	32129.1	34545.5	27939.9	25258.4	27327.4	TRUE
99395.1	96617.9	110010.5	117108	123018.5	93794.7	82986.9	82764	TRUE
990410.9	951126.3	918854.2	1186647	1085629	922446.7	903719.3	1098233	TRUE
106999.4	180698.1	127089.3	162697.3	201275.5	58178	51296.9	63181.8	TRUE

400141.9	946962.7	1202328	1944689	2189656	263259.6	183788.8	281565	TRUE
231449.2	178692.4	231742.7	227586.1	230813.3	337279.1	226190.7	294633	TRUE
27024.3	26829.5	22750.8	23313.3	25975.7	27500.4	12935.8	24053.3	TRUE
29204.2	22115.7	25720.6	33100	19030.9	30052.5	12319.7	29206.7	TRUE
28307.3	25558.8	25013.9	36740.4	37736.2	30295.7	30242.9	55978.6	TRUE
29879	23940.4	28181.6	31945.1	31398	39366.7	15177	38119.5	TRUE
38398.6	33065.8	39159	51548.5	41538.5	57574.6	40130.8	44241.5	TRUE
454443.8	110686.3	410838.3	413522.9	57095.9	742927.4	166808.9	108551.7	TRUE
39189.5	8167.2	50308.5	42471.1	17005.5	78316.5	14072.3	11946.1	TRUE
82545.4	23479.9	102896.9	32013.1	18082.8	163870.3	28923.4	8590.1	TRUE
8759.9	9489.9	24162.2	10331.3	6043	29741.3	13293.1	9160.8	TRUE
28148.9	8423.3	21956	22181.8	17310.7	46740.9	14892.8	24213.7	TRUE
28626.2	1675.6	34622.7	3548.3	4692.2	56209.7	7506.6	7209.9	TRUE
260236.2	38996	380581	98720.7	30192	666717.6	100681	85711.6	TRUE
43648.3	3674	51598.1	11905	2334	105796	8715.5	6863.1	TRUE
35882.3	39461	27229.5	50256.8	31803.9	45574.4	41543.3	41286.8	TRUE
25759.8	22051.3	34897.6	5119.6	20635.5	58661.1	40469	33762.1	TRUE

75753.4	104417.4	103095.9	154462	145719.1	52325.7	72407.7	70061.9	TRUE
31735.2	37938.6	30053.7	46704.8	39908.8	21939.8	35026	27395.4	TRUE
15689.8	8034.2	14645.5	11108.2	7428.1	8642.5	13512.5	9733	TRUE
20459.3	9112.3	13711	28229	9169.2	22043.8	10562.7	14779.9	TRUE
24981.5	8845.5	32515.5	35893.8	28328	17021.1	12433.9	20107.3	TRUE
29170.3	25245.3	20774.2	15225.5	25243.5	22433	25476.4	18928.1	TRUE
8045.6	26788.5	15411.2	9261.6	30634.1	4084.2	7230	7554.6	TRUE
776944.7	611732.4	813067.9	779689.3	836067.4	780481.8	659841.5	745922.3	TRUE
324822.4	332032.8	333436.2	351702	377202.6	311771.1	315711.7	377450.7	TRUE
479235.3	366888.5	440171.1	485859.2	646110.9	438711	414641.3	565893	TRUE
16508307	13277862	14226345	16672491	16247511	15176420	13643688	17295599	TRUE
9213462	7091346	8009034	9790044	10020538	8819299	7747365	9672793	TRUE
1118436	1054962	966961.6	1151289	1140502	966194	1000370	1163487	TRUE
1297117	1132344	1212564	1354567	1345193	1241569	1178762	1324466	TRUE
1024290	885838.2	887675.4	1080925	1061229	956859.6	851985.3	1073509	TRUE
911954.6	826543.3	827969.4	1154689	1035889	769789.5	885012.3	1009439	TRUE
1232838	1178668	1053153	1257866	1228661	1118621	1116952	1255594	TRUE
443504.5	380165.1	405623.7	458617.7	413874.7	407020.4	426649.3	425894.4	TRUE
519867.4	468531.7	478831.4	525395.7	499370.9	495150.3	464999	524980	TRUE
248372.7	243713.7	258700.3	314401.4	273367.9	246457.9	242339	251978.5	TRUE
176247.7	172144.1	150615.6	172507.5	146488.3	164479.7	154554.4	173975.2	TRUE
262459	305562.8	322929.2	255410.1	293799.5	253062.7	225988.1	304106.8	TRUE
28904.4	22512.3	14191.7	37119.5	15585.5	27398.2	8008	38457.3	TRUE
19203.4	18518.7	3836.5	22070.9	14488.1	21161.4	8870.7	29695.7	TRUE
7902	5124	4508.8	5942.6	7504.5	8109.6	9799.2	10501.4	TRUE
137885.3	102434	120336.9	147825.2	163606.3	128649.4	113467.5	148393.9	TRUE
58062.7	60330.1	63602.1	66399	62717.4	56620.4	55581.7	63039.1	TRUE
237103	169459	175707.4	239016.2	201905.2	267322.5	226869	289000.8	TRUE
90464.1	155552.4	106592.8	149274.2	159764.7	98858.3	84315.2	103115.8	TRUE
63142.2	95263.9	82583.8	124372.6	154309.2	39757.2	54513	50862.7	TRUE
90600.7	137976	140249.5	193390.8	215682.9	88083.4	62980.3	61772.2	TRUE
287517.3	772709.2	421675.8	933409.1	1010928	124427.3	76536.9	132741.2	TRUE
302758.1	586615.2	328454	636180.6	658565.3	197766.5	159060.3	207863.3	TRUE
178034.9	131869.1	134782.8	195140.6	171175.7	179987	177189.1	197184.6	TRUE

6765683	6538949	4768324	4904878	5132350	5929796	6089146	6238558	TRUE
4940154	4957205	3181673	3391741	3581614	4027259	4304225	4424583	TRUE
487201.1	468930.3	377655.5	395045.7	397733.5	434790.2	449868	476956	TRUE
78548.4	123271.3	83685	66794.5	110859.2	67880.9	113965	113072.9	TRUE
90287.4	99388.6	91749.2	57841.5	104044.4	81902.8	112670.4	104096.3	TRUE
50835.9	58898.2	46579.8	47863.2	59795	59888.5	50805.2	65624.7	TRUE
53279.4	53503.8	45584	57140.5	51506.6	53855.7	50482.9	55834.7	TRUE
57783.4	45694	45623.1	49373.1	44171.3	57996.2	52948.9	72117.1	TRUE
1577835	1614811	1304688	1287222	1569170	1672374	1635981	1530669	TRUE
462000.9	486041.7	392720.3	438354.8	488310.6	517107	509935.9	503871.1	TRUE
279580.6	334001.2	279093.9	260770.3	298119.2	315844.9	317915.9	299488.4	TRUE
645335.2	935140.4	515709.3	575311.6	757300.9	639824.6	996501	607914.9	TRUE
13890539	14123099	10777913	11742595	13214709	15582320	15116790	16095574	TRUE
15378353	16433154	11882720	13432115	14958906	19200580	17456442	18209369	TRUE
396262	397202.4	359832.5	394926.1	401223.5	487896	417261.2	430059.2	TRUE
1236703	1238996	1014106	1108809	1152142	1333722	1304276	1397640	TRUE
616385.6	647966.4	585057.8	625848.3	599055.8	670250	756568.3	684123.6	TRUE
262990.3	265676.9	238523.9	273842.9	251587.2	321160.9	316180	291931.7	TRUE
6966.5	4747.1	5142.8	9838.2	7136.3	6769	8416.4	7108.7	TRUE
80887.3	60851.8	49867.6	74473.6	75785.2	96354.9	114024.7	98051	TRUE
153863.6	136205.2	114592.5	152096	131567	208474.6	175325.1	199438.5	TRUE
21177.7	24065.4	20661.8	23242.4	25516.5	37991.1	31680.6	28372.4	TRUE
92350.5	80645.5	76547.1	77058.2	68466.8	92760.8	107990.2	104844.2	TRUE
120764.8	96833.4	117995.5	103835.6	106958	146933.2	130460.2	125915.7	TRUE
17582831	12264366	13102261	16162347	15628213	14777327	13764352	17334494	TRUE
2332183	1758753	1890795	2327826	2238562	2078914	1921509	2323303	TRUE
71626.7	56577.4	64981.9	67167.9	72618.3	70158.5	64043.2	78672.2	TRUE
2501825	1870613	2730356	3392923	3081822	3220006	2836211	3604515	TRUE
278587.6	705775.5	445650.2	853647	995392.9	137906.5	93734.8	157076.3	TRUE
30319239	26778738	24501637	24615712	28518235	32306679	29992084	30578780	TRUE
6447763	6017824	5057231	4835222	5845956	6500082	6160492	6613260	TRUE
3010832	2714634	2503556	2551595	2853728	3198191	2831577	3000247	TRUE
57625.4	42631.5	56469.3	31103.3	31227.2	42606.3	54445.3	25876.5	TRUE
102996.3	85034.9	86347.1	134560.7	115072.5	79327.6	96855.1	108792.5	TRUE
414931.8	450079.4	393452.1	403290.8	408505.7	422624.4	443608.2	445190.5	TRUE
40820.1	35186.2	28446.6	39054.5	46926.7	18618.6	29052.8	42986.7	TRUE
2245886	1662610	2069455	2475758	2376507	2086623	1886052	2255007	TRUE
87580.8	61145.9	76113	75191.5	78728.1	73321.8	68385.3	95255.8	TRUE
198881.2	163473.3	146182.5	176632.7	194545.4	161196.8	164787.9	201293.4	TRUE
114601	102657.8	141462.2	153178.9	168629.8	156344.2	131412.7	134506	TRUE
433261	439148.3	355486.9	401871	446073.1	454043.1	434837.2	388587.4	TRUE
128362	152909.6	113531.3	117003.9	125107.9	127288.7	131657.1	130381.9	TRUE
126531.7	119239.1	108741.9	115023.2	121893.8	118502.5	112937.2	105044.4	TRUE

212691	237793.4	179974	166487.7	200098.7	254575.4	207029.3	237841.3	TRUE
88582.5	77171.4	92030.5	75955.5	94247.3	89301.3	85198.5	82668.7	TRUE
124178.5	116020.9	88117.5	90466.1	102542.2	126843.8	136778	129058.9	TRUE
30378.6	57528.9	25950	76622.1	37693.4	23807	33304.3	34961.1	TRUE
521090.6	451247.5	532560.8	573278.1	561062.2	519532.6	460598.1	520274.9	TRUE
557910.1	433018	431196.1	571366.3	557627.8	500600.1	431974	645354.4	TRUE
472653.4	362106.4	471378.6	603517.5	598274.9	574687.2	491933.4	598078	TRUE
88377	67491.1	84917.7	107008.3	85989.9	104368.4	87973.7	98892.6	TRUE
210229.6	171776.5	157180.2	199455.7	167005.2	223935.8	194353.9	225662.8	TRUE
31065.6	63630.8	48097.3	95572.3	114296.1	23915.2	12528.4	30785.6	TRUE
97232	135225.8	108134.8	197286	222936.3	90768.6	70996.4	96659.5	TRUE
48590.5	26301.7	67570.5	43477.9	45214.7	27375	34632.3	48250.8	TRUE
40911.8	23342.9	20232.3	28446.3	26591.9	38381.6	37412	47632.7	TRUE
233477.6	204958.6	204832	192106.3	237156.8	229413.2	227793	247765.6	TRUE
276400.2	212171.1	262641.9	275609	298561.7	266686.1	253708.1	317383.7	TRUE
306732	263708.1	212051	256056.8	265691.6	315010.7	269157.1	262381.3	TRUE
405883.2	419712.2	302494.6	355397.6	384081	403435.4	434703	437402.2	TRUE
307178.9	290588.1	219649.1	225370.7	302393.4	318261.4	283104.2	345236.1	TRUE
273797.2	628101.5	263743.9	453109.4	550340.5	148724	183705.3	190802.7	TRUE
151390.7	470644.6	126189.6	287463.4	417823.2	46016.8	29998.9	46381.3	TRUE
1162401	1175582	561231.3	687728.4	698812.9	787067.9	995612.9	930633.8	TRUE
304106.5	236635.5	264512.5	347016	285113.2	485850.7	336298.4	417999	TRUE
398905.7	351727.6	310433.3	1034577	497657.6	386751.2	483029.3	545175.3	TRUE
51336.9	45650.8	45601.5	80298.5	55368	46141.5	51686.4	52853.8	TRUE
1209930	1050484	1184888	1300294	795704.3	2625978	1013272	2456419	TRUE
236948.4	159124.2	146842.4	185322.7	148702.4	325075.3	178102.3	369201	TRUE
30747.6	32286.8	28054.2	26560.2	26393.4	21445.1	28631.5	20896.7	TRUE
27571.6	89554.2	39577.3	70655.3	32494.3	20883.6	40923.6	30051.2	TRUE
454572.5	442099.5	391673.7	322571.6	554072	350468	339613.5	448385	TRUE
204126.8	201176.3	174587.6	145367.1	266514.2	169799.2	168265.8	192862.4	TRUE
8916616	7229161	6605738	4992328	10347206	7249152	6892948	10136847	TRUE
3519051	3035708	2493547	2077295	3957890	2834475	2610052	3866962	TRUE
1380699	1110294	999033.1	791591.2	1487334	1100736	1067269	1633472	TRUE
708362	740795.4	564968.2	473856.1	864680.2	641666.6	636471.5	844614.7	TRUE
143032.6	120199.1	171787.4	134995	212719.5	175202.1	153587.6	217400.5	TRUE
285460.6	277354.1	372101.3	333920.2	426854.6	357156.5	287999.2	399657.3	TRUE
303099.7	301971.3	340857.3	328076.9	539307.8	413252.8	392413.3	562458.6	TRUE
492850.9	429397.3	573545.6	467908	824430.6	593991.6	558829.8	757288.9	TRUE
78453.5	68439.8	64041.3	48494	96502.9	84072.4	69197.5	114305.4	TRUE
28116.3	73873	53537.4	72421.2	135404	15909.1	10618.1	23020.5	TRUE
125961.4	314750.9	181397.1	251619.8	532465.1	79451.5	63769	96848.4	TRUE
132738.6	118043.4	120266.7	90037.9	155931.8	138895.2	125685.9	158932.5	TRUE
22143.1	44774.8	49380.9	45062	88927.9	20792.1	13174.6	12124.7	TRUE
157597.3	147041.9	118769	133543.2	176334.8	157137.6	183061.9	182906	TRUE
118184.3	81657.2	76301.4	81917.9	135959	110063.1	125600.2	160072.3	TRUE
72074	46488	66217.1	54974.5	67686.1	69741.4	69935.1	76883	TRUE

147597.2	115693.4	144423.5	134642.7	188752.2	142120.4	139579.7	197567.1	TRUE
704277.4	810300.5	656661.8	651477.6	687872.9	567707.7	856769.7	501978.3	TRUE
9881597	11679081	7294221	8036032	9171273	6425095	11979304	7507314	TRUE
1012974	1332389	795774.3	844250.6	973677.9	669264.7	1293288	819926.8	TRUE
863074.5	1012344	741692	763845.9	799444.3	616319.3	1010086	667054.5	TRUE
114151.3	139102.1	123082.6	118977.7	129186.9	94814.9	175418.9	123729.3	TRUE
41452.8	67728.3	44630.3	51977.4	47985.2	25659.2	23260.7	23971.2	TRUE
155148.9	194311	134297.8	136469.5	145912.5	112821.7	181002.8	125737.2	TRUE
113089.1	159019.4	89204.7	82314.9	107990.6	68955.1	158358.9	86875.3	TRUE
48285.5	54604.9	32035.4	22682.7	29453.6	30611.1	56044	44807.8	TRUE
149560.5	152099.4	118827.6	120852.1	117420.4	98896.7	133219.5	111163.7	TRUE
299768	226188.5	328605.6	276993.6	282095.4	336218.4	265970.2	281480.8	TRUE
593787.9	531227.1	430328.1	454287.8	486118.8	426388.7	402943.4	447977.3	TRUE
844063	700927.9	851455.1	633904.4	543406.2	821075.4	580086.2	569708.2	TRUE
5310334	4526287	2833959	3431775	3956601	3059539	3012117	4076121	TRUE
826179.6	774327.4	585726.5	633571	705648.7	605119.8	584913.7	746238.5	TRUE
375930.2	335207.8	254850	292142.4	326280.1	268521.8	257729.8	348778.4	TRUE
563630.8	491932.5	584147.2	630677.5	634988.7	604223.6	537078	582961.6	TRUE
381087.2	331293.1	425980	382861.5	431342.2	374958.5	345228.2	365996.9	TRUE
509052.2	420908.9	535910.2	627530.5	633448.3	550445.6	499179.6	606031.5	TRUE
9885198	7941309	8904548	11849857	11953254	10268542	9422366	12926924	TRUE
825521.5	698891.2	776554.9	1059513	1030803	862220.8	804621.1	1083446	TRUE
1356661	1130871	1410092	1725252	1538943	1455426	1323479	1614189	TRUE
1113625	970778.5	1066856	1161582	1154852	1093714	1070576	1184085	TRUE
895031.9	773363.4	958375.1	1060514	1052081	959541.1	913215.4	1042570	TRUE
958872.8	877131.8	915784.5	1335640	1067287	1006893	990165.9	1119295	TRUE
330062.9	306379.6	343063.2	424880.3	360434.5	319860.4	349919.3	380415.7	TRUE
34218.9	35738.1	32117.7	42379.3	56609.1	41543.7	31241.5	43635.2	TRUE
176665.5	167720.7	186436.2	215329.1	187829.5	205583.3	205598.5	205592.4	TRUE
137894.5	248130.6	143291.2	310899	346031.7	80973.5	65832.1	88482.5	TRUE
91965.8	218724.5	119910.9	231204.2	261425.6	58762.4	34981.5	57087	TRUE
101248.4	97516	87623.6	99306.4	110895.3	107185.3	76508	99836.9	TRUE
53165.2	69287.6	93078.4	54586	51637.9	45487.2	50906.2	61962.6	TRUE
94182	123770.9	152298.7	178781.5	206509.5	98132.7	65261.5	100651.2	TRUE
58146.5	105377.2	89604.2	148032.4	170941.1	24205.3	36287.7	37714.9	TRUE
129881.6	102409.6	116340.5	120179.9	94880.9	116190.9	131091.7	111037.2	TRUE
73132.3	62700.8	55587.7	65730	69522.2	57623	58855.7	71588.9	TRUE
1066787	1090647	886868.2	914062	961495.8	1098955	1170411	1057571	TRUE
11011353	11459873	7707339	8171520	9218666	10329977	10882431	11517432	TRUE
2748037	3107690	1927471	2061889	2346163	2733760	2831081	3125807	TRUE
909390.2	948469.8	698369.1	737286	812822.6	965056.7	958460.4	1015060	TRUE
680443.8	692012.5	607157.6	644008.5	709874.7	693333.7	709445.9	687592.3	TRUE
1003613	1044565	817953.5	870884	900853	1062822	1038481	1047478	TRUE
794505.1	793096.7	904030.1	919520.5	936351.2	1136997	1060705	1031367	TRUE
3754945	4147581	3823683	4392074	4312140	4984829	4726118	4555870	TRUE

5680792	6161219	5493714	5431769	6831186	7782181	7639678	8115212	TRUE
2720995	2886360	2502798	2841576	3182957	3811854	3626295	3738866	TRUE
530834.8	565756.6	536663.5	571987.4	597058.1	759157.3	728415.9	771493.2	TRUE
924774.7	990835.5	910387.5	998203.1	1072212	1336697	1173590	1219165	TRUE
444064.3	461953.4	391296	457293.3	426487.4	511192.6	520485	533604.2	TRUE
57305.9	58665.6	39754.6	75052.3	71533.6	90294.5	96443.6	87447.1	TRUE
40207.2	27013.2	23431.2	42512.9	28713	52183.4	50798.6	40764.1	TRUE
21974.2	22580.7	20465.6	29487.5	32261.7	43947.8	35780	39904.1	TRUE
119958.8	99916.2	90268.8	85233.9	99774.9	85742.3	79363.6	107428.2	TRUE
104890.2	104329.9	121049.2	164186	102784.6	127945.7	101477.1	125803.2	TRUE
59204.1	33241.8	58339	49333.4	65944.9	48895	50448.5	56294.8	TRUE
99164.1	83977.6	106679.4	139410.8	103314.1	85476.3	88984.2	109539.9	TRUE
290741.8	195614.5	268947.8	275521.5	280794.9	260616.2	238621.8	282076.2	TRUE
1206835	813464.1	1083476	1138859	1251506	1212817	973094.5	1242559	TRUE
82637.2	56239.7	75261	93056.3	76274.3	84403.2	72781.5	69643.1	TRUE
229021	163855.8	234061.6	233916.4	245492.5	224341.4	213612.4	240814.3	TRUE
941977.1	623019.7	973057.4	941009.3	950953.7	995221.3	821127.7	928126.5	TRUE
5497835	4111023	5404394	5848151	6080764	5577411	4556238	6008244	TRUE
147655.6	114422.7	141353.2	142836.7	162973.9	152128	126020.8	151560.8	TRUE
99019.3	105898.5	111322.7	142363.7	103328.6	105796.9	85870.3	109898.3	TRUE
210029.3	183381.8	183387.3	207420.2	215336.4	200286.2	186017.9	223104.9	TRUE
73254.5	68310.6	65366.9	69779.3	78338	92231.9	52030.5	74870.8	TRUE
207737.6	188927.1	178890.6	234966.3	216657.4	207546.3	181850.9	216519.1	TRUE
282492.7	225296.9	277320.1	299649.2	320562.1	304976	265814.6	296136.2	TRUE
169071.7	141230.6	189348.9	227017.7	193694.9	221813.9	203830.2	229669.1	TRUE
102417.5	68186.5	113581	124053	118674.4	94942.3	102713.5	116759.3	TRUE
75907	109646.2	78599.2	122750.6	117705	72449.8	82449.3	68248.8	TRUE
112682.9	185753	147195.9	202692.3	226524.9	85270.8	65400.3	73036	TRUE
74405.4	71246.4	74289.5	86224.6	93744.6	56670.7	70614	62750.4	TRUE
145864.5	240186.2	189538.5	251067.5	313659	102461.4	114498.5	141361.6	TRUE
44347.4	68062.8	41796.9	71780.1	85334	40380.3	39288.3	44435.7	TRUE
62448.3	54216.1	54805.3	72456.4	52684.2	72338.6	55481.4	76513.8	TRUE
115972.6	93066.8	78449	129006.7	113588.9	109714.3	92234.4	137793.2	TRUE
40852.3	21943.7	23630.7	28928.5	25148.3	36675.5	17337.9	30864.4	TRUE
74684.3	28803.3	60014.8	43552.4	63151.8	56945	75638.7	84134.1	TRUE
38623.7	173406.4	78973.7	135065.9	197215.6	2966.4	8008.2	7822.1	TRUE
109908.4	108890.7	86480.7	114114.8	97262.8	146627.2	113131.6	130574.6	TRUE
12836.6	8668.1	11778	13158.6	11810	16540.3	8613.6	14454	TRUE
104955.7	63498.6	90118.2	94908.6	74907.2	150984.8	80162.2	114294.5	TRUE
45049.7	42987.9	41072.5	54110.6	61155	45132.1	31903.8	55060.3	TRUE

69480	87704.5	84690.3	87723.7	84490.8	88819.6	80582.6	82717.4	TRUE
479572.7	447127.7	488493.8	535791.9	545070.1	519482.4	431651.2	548319.7	TRUE
99862.2	205082.2	275894.1	326833	367559.8	87843.2	80072.4	75841.3	TRUE

34456.7	159588.3	92897.7	95294.3	107515.1	31499.2	33394.7	34603.1	TRUE
96689	166893.7	113462.5	130000.2	121948	105559.4	92028.1	95006.3	TRUE
83235.5	73603.3	68026.6	78331.3	68471.5	109024.4	72213.2	101692	TRUE
2072227	1964524	1262899	2256976	2345742	1193989	1990810	2121675	TRUE
6574117	6741751	3776164	7205081	7844639	3827755	6349349	7742273	TRUE
386702.3	408576.6	382215.9	501933.9	505971.9	345480.7	443463.7	440067.1	TRUE
99723.7	97952.6	82163.1	100952	118070	77834.9	118185.2	117745.8	TRUE
98128.1	175228.8	74701.1	194274.1	220472.1	34306.3	43769.5	34270.3	TRUE
50899.1	89914	67179.8	142776.6	137392.6	46456.6	45080.3	39006.6	TRUE
14246600	16597445	14570281	15460833	9699451	18870364	18112403	17631173	TRUE
10522307	11770163	9868088	10036625	7068078	13490928	13615101	13770166	TRUE

108580.7	84374.9	93304.9	107658.9	107574.2	106258.8	104740.3	100071.6	TRUE
67930.6	57199.8	89258.4	52871.6	62513.6	58535.5	78231	61463.6	TRUE
56227.9	46943.3	64255.1	56622.7	66164.6	53745.5	55264.5	57264.4	TRUE
63733.1	65660.3	67911.2	80362.7	60484	58923.6	78428.7	74800.2	TRUE
1361783	1131995	1165342	1425802	1473265	1401433	1186487	1575609	TRUE
353676	249082.1	315420	381310	376005.8	354229.7	348396.6	395441.9	TRUE
57608.7	50044.5	53644.9	61501	76800.4	49446.9	50498.9	56356.4	TRUE

303514.7	233227	308476.5	348626.9	321892	302332.5	284478	317815.6	TRUE
90689.5	62950.6	84911.3	82370.8	93305.1	95468.5	83674	104474	TRUE
59838.2	48983.4	55523.1	50844.9	61901.7	56357.3	53481.6	67945.3	TRUE
105818.6	76372.7	99179.9	127711.1	103936.9	104349.5	110496.3	108460.7	TRUE
42234.4	59255.1	37313.5	58540.4	50458.2	36018.5	32384.9	39283.4	TRUE

275064.9	242216.7	322611.6	450009.7	404065.3	347521.7	297464.8	323823.2	TRUE
157796	152639.2	169799.8	170460.7	169802.3	199807.9	177242	160281.6	TRUE
256472.8	239789.7	317994.9	363953.4	350647.9	338226.1	339791.1	359055.8	TRUE
68938.1	57315	70833.3	116684.3	100083.9	88891.9	78147.4	91641.5	TRUE
20603.2	8316.4	19982.3	10509.5	30125.6	18369	12685.9	26154.6	TRUE
262739.4	279202.6	243855.2	256584	235731.4	236715.2	239517.2	286549.1	TRUE
105487.1	72787.1	92954.1	96547	94082.1	91354.4	87446.4	105242.2	TRUE
46802.7	36862.1	29720.4	40478.4	47299.4	57010.2	34523.5	54547.9	TRUE
99790.5	147240.4	166418.4	127319.4	182379.2	107985.4	90564.4	99276.2	TRUE
22659.8	95146.8	67502.9	79620.2	123735.1	7274.5	7820.3	6199.9	TRUE
22179.9	12580.3	10879	14578.7	29990.6	11411.1	17579.4	13500.2	TRUE
41785.9	49619.5	50894.7	40638.4	41434.4	41032.7	44280.1	64090	TRUE
38876.8	63737.6	44173.9	60893.6	63900.2	30849.2	31715.2	47691.2	TRUE
53034.3	42063.7	41965	61963.6	51835.6	52124	51628.1	48441.3	TRUE
48663.9	38520.2	33926.1	51878.5	44127.9	38700.8	41070.3	51019.8	TRUE
64064.1	36519.7	44713.3	42158.1	41371.8	48133.7	62795.2	70523.9	TRUE
143204.3	90995.7	93130.6	154089.7	113055.5	151507	145598.9	146698.4	TRUE
40382.1	34930.4	51262.6	43916.6	48092.7	44245	52238.7	52609.2	TRUE
250660.2	700652.4	362116.1	409441.8	530989.6	205390.7	300857.2	189436.3	TRUE
32135.4	22215	39394.8	45715.6	33231.3	52672.2	39949.6	41781.9	TRUE
28952.7	15368.5	23539	37977.2	27852.9	35033.5	17813.4	31388.9	TRUE
116744	111820.1	136917.5	169397	136682.8	153898.4	133715.2	128485.9	TRUE
125049.7	91610.5	122446.1	150324.4	125811	147009.6	120316.9	124813.2	TRUE
93007.9	94292.2	65888.5	116256.5	92315.8	78914.3	80629.9	97137.6	TRUE
93952	129755.7	131408.9	122968.7	109847.2	105417.6	115126.7	115022.8	TRUE
107075	90948.1	72668.3	100131	118535.5	88543.4	105930.9	127069	TRUE
80453.9	85174.6	75497.1	102272.5	103642.8	105949	80026.5	124223.5	TRUE
186518.8	203639.5	150767.3	186071.1	180899.8	161634.7	195134.8	207003.5	TRUE
117127.7	116092.3	99265.9	96105.4	115397.7	102075.5	119184	101480.6	TRUE
80800.1	74625.4	68032.9	92986.7	56607.1	60155	76505.5	63406.2	TRUE
133707.6	140727.1	161406	212030.5	166094.6	172098.1	188781.3	191239.1	TRUE
72700.2	61536.1	73817.4	62078.8	92165.5	94712.6	88283.7	103866.2	TRUE
88279.1	64472.1	76920.3	99812.6	69026.8	68331.7	76648.6	79864.1	TRUE
84180	77838.3	90135.1	67846	70610.7	65080.8	76729.6	78955.1	TRUE
38196.5	34468.8	37434.7	28582.2	35394.3	55452.8	32288.6	58219.3	TRUE
64960.4	51833.5	41045.8	49187.3	49079.5	78907.1	52435.9	78719.2	TRUE

60005.9	67674.6	48890.6	54180.2	64064.6	68884.8	61362.9	74354.5	TRUE
115933.6	138430.3	128200.1	117609	113297.8	134702.3	147909.7	124650.4	TRUE
199324.9	267643.3	142476.6	215472.3	207323.2	152428.8	296483.9	165081.3	TRUE
174324.9	175799.9	170175.5	193823.1	144009.9	175951.9	171015.4	177153.5	TRUE
97906.1	85682.2	90892.2	65480.5	89307.9	95224.2	84863.1	100594.8	TRUE
74222.4	83545.2	74502.4	76040.7	72782.7	82715.8	68803.6	93516.8	TRUE
82208.7	61042.7	64978.5	69700.4	82430.7	61138.5	66816.7	89512.4	TRUE
97837.6	85709.1	104052.2	96869.7	88598.9	122808.1	96926.2	99013.4	TRUE
250869.9	205856	281591	254613.7	308279.1	305389.6	248061	287446.2	TRUE
29413	12485.1	29459.5	14468.9	25940	28302.8	15587.1	13249.4	TRUE
33430	19692.7	41324.1	53802.5	50460.7	46952.8	44045.4	48042.9	TRUE
25552.9	32559	60402.3	39283.6	53417.9	72416	47703.6	64691.7	TRUE
39884.9	27133.7	19960.4	36849.9	19651.2	22923.3	33229.7	33179.5	TRUE
53201.6	34189.1	58965.3	49530.9	37349.9	80274.1	56502.2	55494.7	TRUE
118709.6	68028.4	105373.1	101105	76206.9	174373.6	112961.1	102431.7	TRUE
122802.8	140872.5	97850.1	94011.2	105171.7	79287.3	96175.2	100883	TRUE
46048.9	29298.1	39256.3	53662.9	75768.5	52524.1	55073.1	59056.4	TRUE
47515.1	39215.2	45442.4	39773.4	29949.4	49662.2	42258	44714.9	TRUE
34493	36429.5	29905	40101.6	33296.5	24429.7	36129.2	32909.6	TRUE
106337.8	86566.9	95945.1	65430.7	77829.2	88225.5	68699.5	75307.2	TRUE
310901.2	291659.3	408653.5	275072.3	339894.3	412075.6	287926	303184.4	TRUE
51909.8	43975	57149.6	56634.4	51643.6	53726.9	41277.3	39319.8	TRUE
65504.7	54474.2	70402.3	53812.4	60388.1	77686.3	55329.6	50593.7	TRUE
1059563	969326.4	1274087	1173171	1207363	1310057	1081616	1145702	TRUE
39005.3	42576.9	48577.3	33279.6	37321.1	42483	41253.1	36528.2	TRUE
6184629	5387683	8510871	6259689	6815066	9108420	6530194	6933703	TRUE
106232.9	112381.6	99459.7	133371.9	140709.1	115240.5	114675.5	111504.7	TRUE
112215.6	152006.6	130891.1	150299.8	128829.8	115619.4	128704.9	151309.5	TRUE
423665	393314.5	379003.4	514325.4	492839.3	413570.3	429222.2	508694.3	TRUE
75570.9	74468.1	76554.1	117327.1	87561.7	99638.9	78639.8	104001.2	TRUE
45309.3	31495.5	37019.4	39247.7	43185	41917.7	55033.9	46305.3	TRUE
59044.7	50239.6	59946.1	59318.8	80204.3	74614.3	74011	80116.2	TRUE
40092.9	55920.8	38353.8	51633.6	47464.8	45509.5	53823.2	54276.4	TRUE
276928.9	313842.6	334674.1	324619.6	355256	360866.9	284757	358513.2	TRUE
66050.2	50644.7	65891.1	64024.5	71319.6	72652.5	79940.7	87491.3	TRUE
41563.5	37056.3	40261.7	45007.1	52836	44772	42790.9	49679	TRUE
100079.9	95955.5	135544.6	98436.8	145168.4	136886.5	112010.1	141006.1	TRUE
443587.8	437485.4	417398.2	383114.8	390788.5	419830.6	433740	425190.9	TRUE
124616.2	137756.6	140649.2	125569.8	125221.8	117670.3	121422.6	119036.8	TRUE
274039.1	279170.3	255444	268037.5	322394.1	223628.9	222000.5	201593.9	TRUE
179568.6	180404.2	153154.5	184074	177177.3	238453.8	220784.6	278390.7	TRUE
477318.1	418501.3	344038.7	455068.3	541690.3	503040.4	447008.1	528126.8	TRUE
152808.4	151038.2	150021.1	190329.3	181260.7	379511.1	186112.9	119160.9	TRUE
71631.8	73918.3	66728.6	59479.1	67549.7	47548.6	61530.6	66127.8	TRUE

38620.3	34480.9	42937	40576.7	35809.4	30110.1	25913.1	29723.4	TRUE
758703.4	678362.7	692300.3	677638	851395.6	753983.6	652595.2	704387.6	TRUE
39572.3	43236.6	49196.4	58294.6	44425.3	47614.4	49323	42032.3	TRUE
9589	13003.4	7317.3	8072.1	31434.5	22607	29603	37429.8	TRUE
33237.4	34232.3	28476.5	28698.9	37948.3	33764.6	38698.8	36309.9	TRUE
74180.8	57716.8	55166.2	74621.5	59391.1	72869.5	84029.2	72034.1	TRUE
55317.6	43308.6	34951.5	55995.9	54893	54868.2	49598.9	59317.1	TRUE
34959.8	38096.8	20778	37297.7	44395.5	38212.7	38464.4	61686.9	TRUE
109030.8	104367.9	102368.7	109475.7	119694.6	134872.8	121070.8	129084.4	TRUE
50251.5	36242.5	49344	60127.7	55775.1	27488.4	45378.2	26951.4	TRUE
52718	44953.8	69520.9	82952	50931	123098.3	57080.5	65224.1	TRUE
62185	44419.7	95150.1	94033.5	59492.8	121198.3	94583.4	60825.2	TRUE
47932.6	44964.4	77876.1	59339.7	50706.2	110820.3	46138.1	43552.7	TRUE
81197	61067.4	81712.9	68762	51666	131710.1	59490	43876	TRUE
53954.8	48324.8	56803.3	52469.7	35890.5	113385.7	44788.5	47008.9	TRUE
167118.3	113700.2	160144.7	132971.3	113058.9	205271.8	139192.4	110403.1	TRUE
73436.7	41997.4	77937.2	60370.9	45400.3	101171.4	63506.9	50308.5	TRUE
43863.7	37661.9	47854.4	69054.2	73191.9	56765.5	55745	59179.8	TRUE
49554.8	40157.8	49767.3	34778.1	37920.4	49950.9	52425.1	27677.8	TRUE
50785.4	28652.5	67882.8	51937.4	40786.6	116160.7	62874.7	60049.8	TRUE
88106.5	62176.4	88621.8	57088.8	54984.4	123945.8	70937.6	69204.1	TRUE
151598.3	91452.2	123535.6	105549.3	239702.7	124861.8	109163.4	149642.4	TRUE
81257.5	54483.6	45585.7	54216.2	102977.7	84388.4	63609.6	75240.2	TRUE
117567.5	125199.4	101592	98248.7	127950.6	110022.4	161118.5	106220.5	TRUE
157103.5	131145.7	189807.6	148081.2	161456.8	161647.4	157217	132874.4	TRUE
540668.6	416864.9	613657	385484.7	424966.1	623773.6	398820.3	449854.5	TRUE
1333076	1385052	1708801	1525841	1542359	2060933	1631712	1693873	TRUE
152201.3	367551.3	294751.1	332047.7	427574	108837.7	87863	103214.4	TRUE
54853.4	106381.7	74839.5	79672	98373.7	30476	41776.4	20135.5	TRUE
98393.2	165282.3	149597.3	174559.9	238123.9	82303.9	64886.4	71302.4	TRUE
102062.8	95503.1	56077.1	73389.1	96560.9	90239.9	80483.2	101765.8	TRUE
223166.1	236890.6	181757.6	187422.5	283311.2	228193.2	271842.4	229686.6	TRUE
59317.7	69287.8	48939.3	47736.1	81369.5	65094.7	57047.9	77394	TRUE
65265.7	64740.6	56776.5	59077.8	86514.9	71536.3	74772.1	75368	TRUE
74242.9	81098.9	56398.6	72353	79538.2	54069.6	59178.6	64761.8	TRUE
153847.9	190221.1	154329.6	158794.4	159539.7	143311	194987.6	204923	TRUE
2449161	3010368	2665833	2887945	1746545	2467281	2923990	2535658	TRUE
203002	217353	158283.3	159181.6	219068.7	172765.3	221781.1	212526.8	TRUE
137289.6	142449.2	112309.4	123776.3	138120	94207.4	143602.7	141265.5	TRUE
113593.1	122102.9	112982.7	123623.3	135020.2	104265.5	124001.9	104491.6	TRUE
249804.8	242070.6	242644.1	268717.9	293452.3	248338.9	256010.2	292615.6	TRUE

258249.7	283230.6	226090.5	311399.9	342598.4	291418.6	312711.4	337623.6	TRUE
214435.7	181428.6	188775.5	205109.6	253269.3	196140.8	233785	259086.7	TRUE
78028	79148.7	89578.6	90604.9	99292	77876.4	75695.6	80212.7	TRUE
61792.3	84008.2	74333	81335	82511.6	88494.6	85505.2	75502.7	TRUE
45743	94612.2	53150.9	83314.9	107487.4	26123.9	28085.6	25806.5	TRUE
58150.8	102034.4	66344.2	86738.7	142854.8	42701.9	29938.6	38699.9	TRUE
52427.6	38109.5	46063	43348.6	38933.2	41151.9	34432.9	48126.4	TRUE
28070.9	27775	18104.5	25935.2	23858	27689.1	34295.5	29834.9	TRUE
123628.3	120745.9	129631.7	114677.6	115214.8	137001.3	123973.4	102306.4	TRUE
181965.1	178406.4	201112.6	215603.9	181602.3	184753.1	215323.7	184461.6	TRUE
320024	315021.6	417002.1	376911.9	279023.5	348261	378987.7	376339.9	TRUE
384061.2	148936.9	115018	180003.4	155968.3	25923.1	57156.8	39305	TRUE
69288.5	159319.8	94972.7	147870.7	147455.4	43641.6	39979.2	66491.4	TRUE
41124.2	48669	46757	48958.2	57326.2	29980.9	23132.6	12909.6	TRUE
42889.2	52323.3	50777.2	57604.5	44872.4	64797.8	47640.9	54282.1	TRUE
75692.7	70459.2	71430.4	64723.3	81415.9	102115.3	81455.1	103090.9	TRUE
957653.3	922771.4	755689.9	984448.9	1112955	781001.8	919842.1	986220	TRUE
630162.4	625903.5	514468.1	483467.9	506429.9	523100.1	541782.4	501042.7	TRUE
233550.1	244864.7	218834	222542.5	222749	214427.7	246056.9	225504.7	TRUE
2527615	2214941	2800344	2902500	2669972	2567843	2733031	2501845	TRUE
266806.4	259948.2	207161.2	224207.2	201848.1	227339	211875.3	229861.5	TRUE
79693.3	69222.1	50906.7	49534.4	55181.8	49264.5	61763.4	62665.5	TRUE
140054.1	117436.3	90468.6	95322.3	114107.7	102719.8	106467.7	115028.4	TRUE
1503140	1440072	940464.1	875951.3	1178869	948104.1	1003632	1165296	TRUE
359526.7	375510.8	400373.3	336878.9	376009.7	406999.2	370586.3	386818.3	TRUE
461245.6	361739.9	540631.7	522547.9	422347.5	609461	377736.7	393726.6	TRUE
103987.1	102595.1	110174.1	129171.6	127515.3	123897.4	115828.9	140434.6	TRUE
634878.7	609006.5	577104.4	697995.8	807845.5	658870.4	769572	871602.4	TRUE
168173.1	191058.5	210649.8	157971.4	167399.7	157016.6	186968.2	134040.4	TRUE
37699.5	41457.8	43608.6	42795.1	42072.4	43757.7	48422.1	57109.2	TRUE
53619.7	78355.2	66977	64122.7	65786.2	34586.7	55884.9	37059.6	TRUE
63535.7	90638.8	109274.6	82697.1	81262.3	75881.7	101495.2	83909.2	TRUE
38153.4	40143.9	64956.5	73212.2	75245.9	46424.7	34732.5	37771.9	TRUE
225579.9	213598.4	240239.5	271437.5	232229.4	237617.2	261228.6	234516.8	TRUE
1452949	1198753	1304855	1401207	1548442	1527489	1488730	1572942	TRUE
199238.2	216071.1	193467	194949.2	201150	214723.1	243812	240789.2	TRUE
196244.7	206024.1	198719	166794.2	193092.7	221146.8	223808.9	204993.8	TRUE
105155.3	129212	132827.3	152700.2	141560.6	69415.4	80292.5	86098.1	TRUE
70412.3	52896.9	65540.1	59631	58861.5	67706.1	73783.6	61149.9	TRUE
299251	248507.7	154032.2	203609.7	266356.9	164263.6	212475.7	260421.5	TRUE
601673.5	546426	339802.7	350069.7	490796.7	315534.4	428080.8	549943.3	TRUE
282719.9	286689.9	181867.1	204362.9	256203.2	213702.8	243967.6	264320.1	TRUE
606039.1	521768.5	509115.7	539370.7	721738.7	546831.2	649654.5	691639.2	TRUE
168093.3	167866.2	150346.3	182197.5	252605.6	150197.5	187727.3	222346.5	TRUE
145625.9	170343.1	156573.9	185707	201101.3	129902.2	174958.2	198368.9	TRUE
104886.6	110732.8	93084.8	102735.9	124202.4	98950.2	110831.9	144517.6	TRUE
40625.7	25254	15011.9	9756.2	34786.6	33229.2	38385.4	36648.6	TRUE
36063.5	16091.7	10727.5	9462.4	22924.1	25773.1	12415	30075.8	TRUE
16941	31129.4	26711	31975.8	57876.4	4110.2	5444.8	21893.9	TRUE
1741703	1817438	1515966	1610368	1335298	1539637	2027914	1683096	TRUE

489658.3	563107.4	490594.5	525396.8	466578.1	465687.9	553474.7	517640.7	TRUE
137920.1	117665.5	127174.9	137328.2	118925.1	125922.6	154216.3	126667.1	TRUE
195723.8	193311.4	233874.4	187595.9	296802.1	216687.7	205450.3	281708.8	TRUE
219884.3	182484	193096.5	230856.1	235066.8	203776.6	233685.4	260287	TRUE
220796.9	629937.1	396897.6	693148.4	606495.5	168066.3	108341.4	137593	TRUE
5081282	5021565	4391004	6282942	6131548	4379608	5848718	5837753	TRUE
7597588	7457799	7852785	7698015	5868107	7702223	7733302	8084921	TRUE
82277.5	62042.8	45392.7	76021.8	60435.2	77314.7	71408.3	76905.3	TRUE
21128.6	22206.8	13081.6	23910.2	20238.9	20757.1	14381.9	23422.2	TRUE
987526.6	898689.2	668272.5	843234.9	997400.3	645377.2	942913.8	962840.6	TRUE
163252.8	152263.8	145865.3	180843.6	186082.3	153674.7	175380.4	209225.3	TRUE
76327.4	59303.3	87094.3	48715.8	58166.5	99867.1	71192.7	74616.9	TRUE
37198.1	38538.4	24292.4	48809	29951.3	53667.9	31838.4	53637.6	TRUE
64462.7	55920.8	57026.5	42252.2	54185.6	49434.1	46559	55819.1	TRUE
44237.9	35327.5	31431.1	65369.6	41583.6	59184.7	53481.7	61022.2	TRUE
86623.1	67535.8	76110.8	111042	65495.9	108277.9	110247.5	112476	TRUE
220937.9	208805.3	176389.1	236028	220214.7	179641.5	219040.6	221358.1	TRUE
94230.2	84585.6	94030.8	115472.4	106653.3	101146	106234.1	113887.2	TRUE
91418.4	95626	86713.6	116796.1	98827.4	108244.3	107174.8	101761.8	TRUE
190717.9	149936.6	154521.4	193357.9	219053.1	173769.1	180243.7	229820.8	TRUE
33194.9	76154.7	47515.1	45542.7	68394.4	21713	29090.2	21342.8	TRUE
49777	48097.6	43852.2	60607.2	59980.9	48707.8	57622.7	61453.8	TRUE
37890.5	32689.4	41106.9	46243.3	16697.7	41908.9	28781.1	45173.6	TRUE
394442	373749.8	313664.9	394378.3	453161.3	349268.5	391072.7	463734.7	TRUE
1393807	1318246	1217184	1406141	1600436	1144968	1619740	1522026	TRUE
189483.3	247499.3	219992.9	178914.6	158297.7	191945.4	250816	174118.6	TRUE
332166.4	322304.5	342058	286269.2	341367.4	345815.7	388863	339039.3	TRUE
114785.2	109123.8	117070.6	148482.8	158693	136467.9	161630.9	167578.4	TRUE
27011.3	17881.2	20938.8	29382.1	27476.6	7381.3	11769.8	25489.8	TRUE
132151.2	138025.3	152764.9	174214.2	185138.9	166014.5	180088.3	159318.8	TRUE
15248.2	24383.3	18414.2	23652.8	22519.9	21294.7	21115.6	23285.5	TRUE
22679.1	8403.9	13901.7	4477.3	9082.4	5774.7	25713.6	23284.2	TRUE
540621	617691.5	772956.4	776048.4	612511.6	600446.1	691500.6	630591.9	TRUE
16016.1	8550	6846	10567.9	7391.6	14087.4	10903.4	13960.1	TRUE

164824.7	173213	184280.9	200844.1	180358.1	196183	182959.7	186207	TRUE
282930.2	214027.2	317616.6	309919.1	258605.2	311956.4	240245.8	274588.3	TRUE
51450.5	44701	62966.8	46822.7	60402.1	62226.9	46893	76759.7	TRUE
25129.2	36034.1	32516.5	43519.2	44576.1	14412.7	12623.3	24442.9	TRUE
159805.1	145448.8	168574.2	134028.2	184991.7	202849.6	169133	214230.6	TRUE
50326.2	46146.3	55548.6	37113.9	53999.6	34343.1	42167	29745.9	TRUE
92070.2	59848.8	80501	77050.4	78219.3	74124.5	64829.8	76145	TRUE
109964.3	70518	92587.6	81485.8	80825.5	78632.7	66950.6	91418.4	TRUE
326902	251134.5	411951.5	359885.8	334043.7	471052.1	299023.8	294553.3	TRUE
745255.8	574042.7	821855.3	768642.1	696275.3	908350.8	625958.7	669989.7	TRUE
99347.8	74857.2	104329.2	92131.2	99476.3	102667.9	80612	94465.7	TRUE
23166.4	23191.7	25499.6	21744.5	25394.9	26548.3	19798.8	28831.5	TRUE
13419.9	17075.6	24314.2	9767.7	19430.8	6133.7	5384.4	5830.9	TRUE
618154.1	557376.4	541866.6	524494.1	728909.7	732002.2	633131.8	677683.5	TRUE
18882.6	44723.2	34122.1	35649.9	49669.6	5066.2	16307.7	6296.3	TRUE
22252.9	14262.7	14645.6	8321.5	24179	9909.7	9716	11910.8	TRUE
77706	44836.4	57202.3	75858.7	55422.1	81432.2	50959.4	89830	TRUE
28175.7	21864.8	19070.8	32594.2	28587.9	30324.4	40025	30097.3	TRUE
69868.2	60774.4	35808.2	50713.3	68271.5	59218.2	67525.1	90756.6	TRUE
27501.2	8575.2	8474.6	14241.5	22458.8	10756.2	16179.8	14943.3	TRUE
35034.3	21552.3	34981.7	40602.1	37595.4	33719.6	25210.9	34774.8	TRUE
19860.3	27448.5	25734.8	22979.8	34938.3	27482.1	11582.7	25153	TRUE
16624.1	9352.7	19177.3	12617.4	7225	16934.1	12129.6	24454.2	TRUE
28394.6	20364.1	29966.1	23378	18271.1	33220	47089.4	24187	TRUE
146706.2	104964.6	124591.2	151773	119156.8	146546	103878.3	131566.3	TRUE
302637.2	281530.1	333347.9	332711	282669.4	333329.8	278150	295425.5	TRUE
1172797	759503.5	1289913	1304848	1096182	1195226	850239.9	1044129	TRUE
57652	80557.2	75934.6	108825.2	118040.3	32172.3	29629.2	32247	TRUE
42812.1	30325.4	41446.6	36983.7	31294.4	42098.6	37181.9	26565.6	TRUE
68884.6	64511.8	70081.3	76550.9	70364	65536	68443.3	58775.8	TRUE
91590.9	85744.6	95860.2	107813.6	84306.3	98688.9	78440.5	99358.2	TRUE
42559.9	48587.7	39008.5	35865.4	36772.3	34489.7	32523.7	27725.3	TRUE
83605	87625.9	106886.3	86070.3	95097.5	111039.7	84255.2	117328.9	TRUE
261597.7	214420.2	319474.1	277027.4	282845.5	298587.1	229227.1	267085.1	TRUE
53730.5	58147	63182.8	77147.1	93058.8	67650.9	68467	76967.4	TRUE
63102.8	78151.8	101752.8	65063.1	64073.6	32047.2	35938.7	40579.5	TRUE
2949752	2154140	3471505	2773727	2751240	3542273	2286422	2848088	TRUE
200322.2	158879	196994.8	172511.6	186795.2	200441.8	163727.5	163705.8	TRUE
2667351	2139236	2009081	2028040	3100314	2520267	2545022	2715787	TRUE
82228.9	123584.9	83284.8	92944.4	139144.3	55956.9	50719	69113.6	TRUE

201210.5	144709	139746.3	143141.7	198386	198836.3	194309.9	236977.6	TRUE
231495.6	215970.5	210006.6	225048.7	189810.9	158250.7	203966.5	216555.1	TRUE
75202.3	67085.8	80503.9	66176.7	86243.5	93970.6	64398.4	76376.8	TRUE
214563.5	186382.6	231212.5	223554.1	231296	242271.7	184135.1	250914.4	TRUE
723259.3	626666.1	660904	730990.7	735834.9	794037.6	644751.6	862629.8	TRUE
101715.5	82519.4	74742.2	87066	113947.8	127366	104011.2	142707.8	TRUE
51752.1	45250.9	32817.8	38321.7	41595.9	34465	50065.6	57465.4	TRUE
44840	51516.9	33076.4	50225.2	48605	65876.3	51173.1	50514.1	TRUE
192518.2	176610	207109.4	212991.9	176521	281754.8	173580.7	196084.3	TRUE
57507.2	54871.8	68995.3	64096.9	51935.7	73558.8	50083.4	59695	TRUE
1170398	996865.1	1161007	1182018	1260301	1357926	1045117	1284292	TRUE
50622.2	57899.1	36241.8	45115	50573.5	50853.9	55041.3	53036.5	TRUE
30045.8	52579.7	22420	28955.9	39372	35364.7	38753.3	12652.7	TRUE
48922.4	61027.6	37851.2	52810.7	57418.7	56483.2	57801.6	47272	TRUE
36824.2	57554.6	31617.3	42104.7	41063.1	37466.1	49667	49341.4	TRUE
51537.6	41368.1	31246.2	34642.3	54434.8	45493.2	50797.8	57848.2	TRUE
35800.9	41705.3	9821.8	29915.9	37563.4	26776.6	49728.9	30087.1	TRUE
172406.4	152640.1	230060.7	198639.6	200673.4	215689	157245.1	166672.1	TRUE
5375758	3959771	5958916	5728904	4849919	6225310	4314917	4944062	TRUE
42868.1	39843.1	49413.6	48035.1	57292.9	46736.4	52838.6	56713.3	TRUE
40243	36334.6	42053.1	44606	40689.1	38273.2	55229	50184.6	TRUE
114645.8	86594.5	119651.1	100468.6	111075.9	144220	98774.1	116968.6	TRUE
230229.8	183106.2	260650.7	223649.7	204548.2	248843.7	184626	212069.4	TRUE
26825.3	16596.2	23039.9	43081.1	31625.8	9389.1	30255.1	25333.3	TRUE
27333.8	26330.7	30113.7	36096.7	36747.8	21091.2	34964.8	38416.4	TRUE
65960.4	67247.8	69344.7	60006.7	94248	69264.5	73972.1	87849.5	TRUE
248097.3	201561.2	303247.7	303988	280900.2	322838.7	240236.2	259607	TRUE
152694.9	147156.2	203928.7	186484.6	168774.4	202300.8	143379.3	174297.1	TRUE
174216.8	184000.6	195015.7	203976.4	199319.6	196668.4	159857.7	194425	TRUE
328402.8	291652.1	342414.7	359070.6	303808.5	394659.3	290585.1	297706.2	TRUE
199111.5	168484.4	193477	232622.9	198802.1	212290.6	170084.9	191250.9	TRUE
608924.5	502508	576214.1	606820.9	565849.6	654207.5	535979.9	604459.5	TRUE
243398	217584.6	264502.9	231073.8	254702.1	230667.8	204449.5	216907.1	TRUE
151552.3	108851.1	140991.5	150736	141799	138066.8	121528.5	149699.1	TRUE
121236.8	114106.8	131992.2	159194.8	137592	147446.5	113712.1	138007.4	TRUE
42460.7	81480.3	58429.2	82560.5	96520.2	28129.6	29588	36165.5	TRUE
144938.4	173410.5	148154.7	178602.1	193440.2	188562.4	187236.1	205463.8	TRUE
240250.2	290924.4	251646.7	272049.4	252216.7	250202.5	265639	237937.2	TRUE
282466.1	293869.3	215969.3	279556.4	320749.6	305953.9	318206.8	316687.2	TRUE
446466.3	445363.2	395689.6	379135.6	517216.1	484136.7	448372	520935.6	TRUE
343343.7	318867.7	304649.2	330992.5	362925.4	404217.2	351770.1	390096.4	TRUE
609364.6	630001.6	469183.3	583905.7	655763.8	721502.2	738439.6	742319.2	TRUE
268380	249388.4	234185.6	243362.8	256904.1	263561.1	269562.6	290592.6	TRUE
181867.1	132609.7	253882	96717.8	118995.5	193909.7	81772	100055.5	TRUE

475704.6	474126.3	500136.2	466509.3	560311.1	456786	491964.7	498578.7	TRUE
1356857	1365685	1570045	1396018	1287802	1369499	1339588	1247859	TRUE
483202.7	487791.1	407323.5	424122.7	512613.8	382890.7	472222.2	498447.6	TRUE
2867387	2541926	2266761	2474098	2906837	2377541	2674273	2773370	TRUE
2164478	2052999	1695128	2092061	2132193	1771559	2024997	2078147	TRUE
481886	488497.4	517098.5	601679.4	614883.4	595832.5	611869.6	624276.9	TRUE
61073.4	48244.9	56472.6	62823	62642.9	61115.4	70380.8	77798.6	TRUE
69764.6	114139.5	77487.8	121075.9	136891.1	50801.3	103875.9	54329.3	TRUE
61254.3	91260.1	56586.7	117391.8	136709.6	41456.8	36013.1	31118.5	TRUE
4615314	4270195	4604651	4471718	4097564	4461381	4738619	4132367	TRUE
4415165	4325312	4371838	4450177	4142756	4471797	4645464	4358699	TRUE
27460.1	32124.5	36087.1	35154.8	32545.3	37690.2	35166.8	44907.6	TRUE
40134.4	30536	38584.1	30999.2	35851.9	42254.6	26025.6	46438.3	TRUE
701246.6	713434.2	482829.2	615703.5	687257.7	541060.5	714609.4	729295.7	TRUE
3720333	3591980	3242846	3484606	3019711	3654902	3713941	3881165	TRUE
110001.8	118607.6	65794.5	72156.4	95902.3	82530.4	91873	75790.6	TRUE
6072132	5761997	5127522	5818646	5934219	5641239	6245406	6082444	TRUE
453192.5	459791.5	393810.2	464174	530174.2	438106.5	520329.1	544727	TRUE
118050.1	229907.2	123573.8	229158.6	251927	74717.2	63565	78878.6	TRUE
2326978	2093128	2726675	2530631	2184429	2570956	2591192	2480058	TRUE
94872.5	176299.2	176243.4	233539.5	163104.1	54760.2	48914.4	62480.7	TRUE
56032.7	77130.7	82346.1	43211.9	51701.6	58653	69367.1	57133.2	TRUE
83561	92605.4	83644.7	73864.1	59535.4	63859.4	69376.5	67541.9	TRUE
19933745	21150106	19664856	21419782	16979292	19452665	22607466	20306446	TRUE
9172713	9661189	8953572	9087041	7880027	8896614	10070855	9276758	TRUE
71241.4	109499	67540.2	105109.1	107737.5	54154	51183.8	53620.7	TRUE
95827.6	97894.8	59659.8	93181.4	92185	54954.2	92402.1	95821.1	TRUE
88148.8	73110.5	64572.3	80118.5	51486.1	64601	67599.6	69008.2	TRUE
432007	276212	332430.7	337839.2	333044.9	299140.4	290663.1	363394.4	TRUE
595822	618627.6	536589	649842.2	732688.2	573772.1	601280	670839.6	TRUE
113844.7	113053.8	105751.5	124532.5	112034.1	94171.2	118507.2	138505.4	TRUE
1404092	1519082	1414454	1447851	1256782	1306909	1593191	1242856	TRUE
1572192	1602839	1648147	1571774	1364324	1510661	1616199	1404649	TRUE
145417.2	161859.9	140098.9	144192.4	138516.9	121387.4	151460.1	162785.6	TRUE
5699336	5700159	4200349	6056213	6180014	4770347	6057326	5957612	TRUE
3812579	3971256	3545110	3965639	3514586	3755815	3953264	3744554	TRUE
64530.4	70199.9	62967.7	59957.6	72683	65702.4	73046.9	69374.4	TRUE
969572.3	848826.4	660544	808814.4	851707.1	742360.7	774761.1	859534.5	TRUE
1923749	1762873	1458073	1872954	1864291	1521406	1829902	1992818	TRUE
105823.5	153332.3	82304.9	154805.2	164308.3	64820.6	57556.2	75542	TRUE
86101.1	84103.6	115462.2	58788.1	78749.4	70617.8	60298.9	71684.4	TRUE

1794440	1549741	1729764	1715542	1557769	1832732	1782055	1832772	TRUE
3302992	3011757	3104720	3382629	2796886	3385993	3175018	3356937	TRUE
152244.8	260785.1	195269.9	269383.9	267085.9	123399.2	117701.1	127224.8	TRUE
117584.9	198078.1	135905.1	165023.9	181932.7	72395.9	75771.4	75642.1	TRUE
187529.5	195118.1	181651.9	178986.8	190598.9	226367.4	186810.2	205458.3	TRUE
230428.3	216386.2	183949.9	256341	292675.1	164347.1	232152.3	252359	TRUE
57520.5	68520.6	46463.7	77881.3	74835.6	46756.6	40134.5	51079.1	TRUE
24969.4	48847.4	19532.1	43734.8	58933.4	6357	7075.1	7517.6	TRUE
70445.3	100619.9	69926.5	88533.9	111311.1	65231.9	95810.9	111542.8	TRUE
352950.7	375624	202581.5	415945.2	413856.6	245443.7	404763.1	435533.6	TRUE
123300.5	150512.5	86848.3	141236.6	203063.9	87566.3	137911.1	191675.6	TRUE
119506.5	126442.4	89137.6	108869.4	138382.5	98081	134438.9	155673	TRUE
24896.5	23260.5	22824.6	28298.6	33963.3	25202.3	31136.9	30957	TRUE
54624.2	64919.3	41960.1	70973.2	83780.1	38309.3	62201	67689.5	TRUE
32371.6	50647.2	26800.9	46612.7	40326.6	29276.7	37512.6	30064.9	TRUE
729661.1	640292.7	561289.9	545245.8	531563.3	542916.5	665365.7	620677.4	TRUE
213828.6	228279.5	195293.1	201362.2	212234.4	186359.3	231079.5	184573.8	TRUE
77394.6	126451.6	78851.5	112424.6	172186.8	107666.4	100908.6	164906	TRUE
53696.3	81449.8	65350.4	76480.7	82779.5	51422.5	66651.5	49150.1	TRUE
1477341	1325604	1581706	1470428	1199315	1396551	1412225	1341189	TRUE
183120.2	155983.7	170351.8	135276.4	124653.6	127104.1	142729.1	132320.7	TRUE
105628	99304.1	98332.4	135547.3	109634.8	99921.4	90797.4	120293.7	TRUE
164537.9	145735.3	97440.5	162921.6	165194.7	179976	210578	202939.4	TRUE
28279.1	10105.3	20895.4	36475.2	22948.6	28672.5	31820.8	45102.9	TRUE
48552.5	65516.1	50661.8	58843.1	55824.3	60769.1	67666.4	49370.4	TRUE
131032.5	110680.2	102435.8	132650.3	132424.4	129882.1	136933.8	162016.5	TRUE
48999.2	48316.9	44213.4	40255.4	48789.1	56345.9	68801	63772.8	TRUE
164383.5	138044	144297.4	132742.6	174853.3	139968.4	178256.7	144225.5	TRUE
85727.1	75081.9	80770	82992.6	92014.3	81605.8	99881.3	88984.4	TRUE
571969.7	463727	503845.7	607675.9	466638.4	599447.1	633015.1	593544.4	TRUE
28288.3	31499.7	11123.1	16948.6	29284.4	16439.8	39991.6	14861.3	TRUE
100606	88402.2	99221.7	105402.3	103770.7	101895.4	124606	103155	TRUE
165076.9	134268.7	148161.2	123751.1	150792.8	176975.4	162921.5	179918.1	TRUE
20102.1	6737.1	16424	11669.7	9875	6036.8	16890.7	12672.9	TRUE
13132.8	19420.8	11314.8	19710.5	33334.3	8014.6	19153	16295.6	TRUE
108458.5	142433.4	81723.9	123463.5	175443.3	88801.6	146655.4	157254	TRUE
19079	28475.3	22857.3	29699.9	29296.9	20210.2	27087	12732.3	TRUE
284421.2	348641.6	285098.7	347973.2	322101.5	262704.8	267143.6	286505.5	TRUE
213584	414957.7	209084.4	193747.2	198517.3	157261.2	221285.5	192098.5	TRUE
84469.9	74468.8	60291.7	87439.2	74813.8	77411.5	67917.1	78380.8	TRUE
127502.6	127886.8	88810.4	147455.9	158806.4	101904.6	147788.7	130109.4	TRUE
1750426	1785206	1264465	1836175	1860194	1350405	1762819	1698180	TRUE
241058.3	174941.8	192108.7	178003.3	167142.9	185795	170387.9	191544.7	TRUE

280602.8	258441.2	222361.6	234521.6	183946.7	247764.9	275949.3	265376.7	TRUE
248397.5	336861.4	272710.7	411603.5	371016.8	238848.5	213117.9	237799.4	TRUE
81553.3	89343.4	124497.5	75418.9	77239.5	104206.9	69141	90767.2	TRUE
24913.3	21392.1	26000.9	24438.8	23485.6	16513.2	19837.3	27651.9	TRUE
84219.1	74120.3	57150.7	86826.5	83215.2	52107.1	71701.2	73131.6	TRUE
33880.9	63172.2	80844.1	25104.3	32619.9	26210	38568.9	35398.3	TRUE
76208	69177.3	48097.1	64258.7	72004.7	51683.3	66577.7	72716.9	TRUE
58686.7	59117.3	59541.8	58950.8	81311.7	59390.4	64225.5	65908.8	TRUE
19186.2	33656.7	70243.3	37077.3	24437.4	20975.6	19702.3	21991.5	TRUE
50155.6	58016.7	58456.8	75338.8	69752.9	67824.9	75415.2	66813.5	TRUE
73543	74145.6	56370.7	79432.1	90516.4	81424.1	93130.2	98301.7	TRUE
83245.3	76105.6	62119.1	92512.8	99446.1	89995	94070	138960.1	TRUE
186325	176296	153304.3	202273.5	153060.2	198044.2	238012.1	178523.5	TRUE
5622476	5598049	4286022	5573155	5789381	4572271	5387615	5567216	TRUE
2031349	1954579	2031757	2072120	1709230	1969036	2074273	1952891	TRUE
71071.9	151665.8	76226.7	137274.7	139209	61924.2	63742.1	63742.2	TRUE
421024.3	475639.7	332882.4	414977.4	491879.1	335586.1	501590.5	510171.8	TRUE
94221.2	100478.3	49421.2	96055.2	117890.2	64417.7	103891.5	106640.2	TRUE
97053.9	121774.7	82502.2	134589.7	122153.4	66690.5	111148.5	132853.4	TRUE
29700.4	28682.9	28832	27056.8	32477.4	38025.7	29051.7	38546.4	TRUE
1057160	1192828	1166486	1469660	840174.9	1164195	1284543	1189188	TRUE
238828.5	295033.9	270507.2	298324.5	164339.2	301896.4	300241.2	291449	TRUE
8927418	9227141	7208724	9584473	10303621	7941914	9086523	9946454	TRUE
724280.6	698442.5	597606.1	709007.7	755677.9	658055.9	740400.1	841416.4	TRUE
575033.4	579860.1	480717.3	573078.6	604746.2	484098.3	614025.9	589096.7	TRUE
99568.8	117710	87714.8	102606.6	99850.7	97144.7	109339.8	106755.6	TRUE
90963.9	95247	84243.2	123939.8	173868.9	150773.2	148026.8	156871.3	TRUE
104575.2	112512.8	127235.1	116162.9	91599.7	136479.6	146893.6	100893.3	TRUE
99234.4	60289.8	57307.7	93869.6	110457.8	62882.1	84660.4	106546.3	TRUE
158843.4	131519	132001.8	153305.7	142410.3	131872.3	136534.9	151718.8	TRUE
114401	104709.7	116841.3	141162.1	118197.6	112182.8	117945.5	126027.8	TRUE
182827.2	135343	137759.7	146940.4	196806.4	153056.5	192936.6	213509.2	TRUE
247251.7	247701	258191.7	269807.1	240088.3	255046.9	307276	297928.4	TRUE
46529.6	47225.3	48119.8	55128.7	50591.1	50783.3	54472	42417.2	TRUE
147673.7	126926.9	135435.9	153848.6	130750.1	170656.6	193377.6	171916.3	TRUE
1218527	1269958	840421.1	1388979	1171546	776582.9	1282662	1151050	TRUE
115757.3	121043.4	125420.9	106961.8	97252	137910.4	98027.8	88166.6	TRUE
65790.3	61356.7	53143.6	58954.2	66947.2	70015.6	56744.9	66984	TRUE
131628.1	116893.6	97579.1	111759.4	110839.5	134001.1	127057.5	135410.8	TRUE
55644	41467	48829.9	48141.1	61122.3	50826.6	48184.9	51037	TRUE
78244.7	78570.2	99255.3	96233.7	91569.5	67458.8	99723.6	82754.7	TRUE
241078.6	197577	98769.4	207571.2	230292	149330.6	289216.4	319238.8	TRUE

22339.8	18531.4	17392.9	23099.6	17895.1	21674.4	9138.4	22030.7	TRUE
8744.1	10820.4	14196.2	10109.1	8591.6	14756.9	8854.1	12187.9	TRUE
84831.2	102166.4	111274.2	113414.3	126495.6	98296.7	94977.9	90711.4	TRUE
100344	132502.2	155116.8	138658.9	118589.3	118781.9	116320	113930.1	TRUE
112594.4	90870.5	75292.5	154660.7	138975.3	137191.4	147149.6	146442.7	TRUE
187432.8	173965.6	143223.4	155663.3	192035.9	214749.5	218366.9	250101.6	TRUE
94896.6	97428.8	100903.4	121285	119981	92173.5	116880.7	121331	TRUE
120926.7	95411.6	98251.9	144342.7	120636.1	141496.1	115599.8	124136	TRUE
59442.1	35908.9	26389.5	54430.1	46311.2	53351.9	58471.6	62671.2	TRUE
10800.4	8212.9	6109.9	9269.9	18296.5	7648.6	27870.9	14476.5	TRUE
174131.3	146506.8	114939.5	124628.7	169076.5	166508.5	189950.7	170847.8	TRUE
97958.9	116855.8	81126.3	114894.4	100600.1	112226.6	121363.8	113973.4	TRUE
47718.3	44188.5	46948.1	62431.2	41757.2	54987.8	46101.2	52117.9	TRUE
88004.3	55455.4	47677.1	76649.5	69360	83449.5	63390.5	97838.2	TRUE
141399.6	141041	92946.6	116296.4	143273.6	180738.9	152684.3	204414.2	TRUE
1696523	1087862	1587358	1504959	1915996	1801829	1172128	1755534	TRUE
1140134	848236.9	1015629	975917.7	1222470	1115759	888356.3	1143505	TRUE
59321.5	44259.2	42048	60473.6	31862.1	74028.9	68612.8	45604	TRUE
58097.9	68716.5	86903.3	42009	38560.7	59093.8	53103	39333.4	TRUE
91460.4	86686.3	105920.1	90258.2	70010.4	106807.7	91948.8	82368.3	TRUE
64585.2	49971.4	64256.6	67330.2	52637.8	68750	52611.4	59680.8	TRUE
34223.1	34319.1	37846.1	31598.1	27909.2	37773	31399.6	21360.1	TRUE
102629.8	84776.9	145466.4	119080	103642.1	126126.6	127010.9	93844.3	TRUE
110962.8	103478.1	160508.5	150745	98208.5	157334.2	114319.3	96783.4	TRUE
205512.8	150188.4	204972.2	214067.2	266929.3	258596.1	191890.1	245846	TRUE
39975.4	40052	29235.4	46947.7	36960.6	49114	35751.1	36126.1	TRUE
32682	22591.5	30412.7	30870.3	30468.7	45075.3	33311.7	42058.8	TRUE
73102.1	60285.4	41893.3	70322.6	43501	60993.6	69991.7	55265.6	TRUE
65682.9	94697.6	66349.3	90977.4	84530.3	76831.9	58660.2	86179.9	TRUE
45868.4	60468.1	49339.6	49443.5	50555.8	56611.7	48436.6	53712.6	TRUE
93989.1	97287.2	84907.5	97865.9	86152.7	84740.8	90185.7	100875.9	TRUE
275392.5	260652.7	191167.5	217567.7	178159.6	217715.4	199779.8	170843.3	TRUE
201631.4	197228.6	219581.2	264410.6	220059.7	257216.5	230263	231498.1	TRUE
207129.2	202788.8	242499.4	267499.9	207564.1	262510.9	232206.2	242196.1	TRUE
281453.5	203007.6	283498.2	303826.8	320102	287764.7	242578.5	318065.9	TRUE
191372.8	135511.6	189568.2	208473.4	217532.5	208477	196208.3	227164.5	TRUE
51450.8	42127.8	25693.1	52621.9	49280.6	78564.4	50317.7	39291.3	TRUE

101545.9	89343.4	100907.2	116055.5	99121.2	147221.9	128584.3	98338.5	TRUE
56028.7	49281.9	49627.4	63306.5	51989.4	81647.2	61974	41217.6	TRUE
73193.1	33447.2	60598.6	62408.6	71818.5	68405	44316.3	86970.1	TRUE
37285	37028.3	23004.6	51106.1	38468.1	43273.4	40613.7	33363.3	TRUE
87384.4	79509.9	84361.2	70815.9	93376.6	88773.5	93822.9	92649.9	TRUE
106630.9	93639.3	76050.4	109861.6	103245.5	130726.7	133939.7	137124.4	TRUE
90273.1	77345	66036.4	89944.6	77882.1	100471.4	101773.7	88548.9	TRUE
163602.7	157810.2	144225.9	203509.8	147164.8	182382.4	170907.4	173675.1	TRUE
75801.6	61158.7	53040.1	76381.6	40520.8	75641.5	70872.3	59362.7	TRUE
356890.9	276918	332557.8	337171.6	347131.7	390448.5	341373	400329.6	TRUE
762273.6	762893.5	721454.8	785054.3	712006.4	820184.6	755281.3	705852.9	TRUE
134236.9	155756.8	139437.6	139936.6	108618.2	146924.8	138829.7	133749.7	TRUE
1167375	1006671	1124837	1209046	1277578	1312933	1092315	1238082	TRUE
386421.6	350111	459585.4	506108.2	346290	434837.6	368165	385498.4	TRUE
26721.8	32575.9	18079.8	24441.4	21798.4	13820.5	22404.4	23033.3	TRUE
56963.4	57924.7	53573.8	43346.5	43592.4	45053.2	46318.4	32627.6	TRUE
42832.5	55832	60283.1	56511.3	48461.1	55785.4	50094.9	61920.9	TRUE
19962.9	32134.7	23322.8	20982.2	12868.3	28267	35918.2	20372.4	TRUE
91772.9	27812.7	42319.3	42783.2	29547.1	53220.6	31706.7	34266.5	TRUE
43845.2	27534.1	41989.1	34362.2	43878.1	42198.5	34300.1	31822.6	TRUE
95220.2	71067	90808.4	83171.6	98343.4	82166	69389.1	90067.3	TRUE
305486	244850.3	312609.4	300362.5	414895.6	268791.2	270785	293262.8	TRUE
361826.1	463062.7	346054.9	311704.2	335254.5	355607.2	318035.9	277431.6	TRUE
350996.7	306696.3	295213.9	279899	197980.1	337585.5	256824.5	201181.2	TRUE
171716.6	192924.8	247597	242420.6	165132.7	216993.8	204849.3	139763.4	TRUE
368454.7	355920.9	375133.1	363845.5	338435.3	390413.5	375561.2	311324.3	TRUE
167894.3	165700.5	153355.8	158852.9	118452.8	196028.8	175190.5	147079.9	TRUE
50855.4	67085.8	63185.6	54978.9	59833.1	80826.7	46521.3	84380.3	TRUE
61586	38247.9	65932.1	46970	50264.3	61233.3	47751.6	50059.5	TRUE
106584.8	72761.1	103778.5	86206.5	65294.9	92879.6	96305.6	78454.5	TRUE
287824.4	250448.7	274184.2	252066.6	213354.6	301038.2	255206.4	243352.6	TRUE
135693.2	130814	136553.2	165036.8	116016.5	163976.4	118811.1	110310.1	TRUE
46423.1	42387.2	55581.5	75497.6	45889.1	48320.3	55576.2	47598.8	TRUE
86042.7	58924.3	59551.3	66053.5	67679.4	49077.6	67848	60757.6	TRUE
37253.6	32768.2	51636.5	36457.6	43498.6	49925.7	44273.5	48378.2	TRUE
198066	182481.3	184637.5	199314.4	168561	200575.4	185158.7	186957	TRUE
126326.5	88798.8	146892.2	118198.4	120367.1	149280.6	121508.8	142419.6	TRUE
636620.7	573683.8	545066.3	686713.5	643492.9	567829.4	664528.7	639345.2	TRUE
555205.5	460136.4	592049.8	576423.6	539143.2	650051.9	570145.5	613600.5	TRUE
261099.1	236611.9	230084	249592	278610.6	234603.3	250232.9	276644.5	TRUE
2074743	2042576	1803220	2049773	2134995	1908412	2188553	2225054	TRUE
20197.1	26777.8	18641.2	27980.3	26717.2	16184.5	7089.1	7401.9	TRUE
209896.9	224976.8	242169.9	258399.9	235427.9	234852.4	225234.6	198798.8	TRUE
182907.8	189381.3	179897.1	185368.3	173634.1	180532.8	200625.1	168186.6	TRUE
209201.4	193492.7	207818.6	224228	187610.5	220129.4	190806.2	203202.6	TRUE
120271.7	90658.9	99039.7	97130.7	79694.6	111724.5	100649.7	97406.2	TRUE
59843.4	94926.1	72184	67292.7	82810.5	62446.9	55983.3	66094.5	TRUE
297594.2	284601.8	290396.1	375686.1	303864.9	292218.2	286552	323167	TRUE
803988.4	736460.4	664422.2	918660.4	817060.8	744666.2	705539.5	818863.3	TRUE

63324.9	57661.5	61835.1	61872.3	70299	63125.3	57670.7	92749.7	TRUE
304820.4	280113	260612.4	308721.9	301570.1	359948.1	338170	373939.7	TRUE
953729.9	987099.8	897905.9	922071.7	930569.9	1045581	1040212	1087550	TRUE
241795.3	206019.4	204211.3	239527.3	228046.9	258986.1	248629.8	286080.6	TRUE
200240.2	193571.9	200360.7	199176.7	197551.4	237970.1	189241.8	224305.6	TRUE
81484	76152.7	92201.9	110791.4	111444.8	98925.8	99236.7	103593.6	TRUE
47125.9	55189.2	45718.2	69994.6	47271.6	44881	72565.9	42352.2	TRUE
386531.4	382488.9	298896.5	304771.7	380844.8	546459.6	432385.3	476104.6	TRUE
31700.6	29052	16255.6	44529.7	16618.7	32373	35662.2	35441.2	TRUE
135786.5	148241.4	131712.3	166302.8	162123.6	144403.2	137233.4	176111.6	TRUE
593262.3	551274.1	596973.9	721409.5	656081.3	613666.1	641981.4	607939	TRUE
257932.5	228340.7	271818.4	256436.9	247514.7	247201	274549.8	259210.9	TRUE
37425.7	62149.2	36697.7	53644.2	34772	49375.5	49261.8	50904.1	TRUE
158401.8	167381.6	212481.3	164686.5	150663.9	129513	144856.8	154668.1	TRUE
1430703	1184383	1236173	1505739	1349939	1388764	1445481	1462502	TRUE
544684.7	602514.3	585319.7	649787.2	557290.2	603506.8	548000.8	551964.6	TRUE
434658.5	411332.8	451969.2	422138.8	405233	471712	442596.2	433595.2	TRUE
16748.2	23664.3	16412.3	9968.8	20260.3	25442.1	24087.8	22416.3	TRUE
96832.1	105209	77812.7	103481.2	125987.6	73689.6	111535.1	107098.3	TRUE
31476.6	22896.7	17138	29642.3	32797.1	25262.8	31737.2	23456.8	TRUE
59343.9	47825.7	61923.3	60913.3	61044.6	66021.7	61619.1	57562.3	TRUE
1537062	1457203	1370790	1403479	1636173	1714039	1448186	1686352	TRUE
101528.7	89181.9	104679.9	85135.3	89782.5	82348.4	72573	85842.5	TRUE
158969.8	128007.9	179940.3	218647.9	217165.9	219954.7	163366.3	220652.7	TRUE
51361.5	49792.1	43262.8	45003.2	75477.1	47210.3	58161.4	55010	TRUE
34999.5	22570.1	23338.4	31844.4	20719.9	31122.1	28510.2	11570.6	TRUE
79490.7	65421.5	76215.4	79009.3	74144.9	91786.1	86996.5	80447.6	TRUE
89363.6	80996.1	73816	62641.5	64018.5	68502.8	71370.2	74367.7	TRUE
97505.6	102424.6	97502.6	100187.3	100101.7	112314.9	94512.3	85948.8	TRUE
64360.4	47901.6	84059	65224.7	83296.7	97394	69557	59971.9	TRUE
52237.2	46315.6	46327.8	50578.7	49616.5	51690.4	56780	51851.8	TRUE
48726.2	39578.7	25157.2	50262.8	41151.6	48139.6	47987.7	65745	TRUE

70544	66015.7	64705.1	69881.5	67406.6	69052.8	74582.1	63562.7	TRUE
187443.2	149413.7	157309.4	160275.2	192703.3	231756.2	182987.6	213615.9	TRUE
56729.8	52789.9	62121.3	64899.5	59208	52834.4	46586.9	58208.6	TRUE
70443.9	64673.5	64771.5	60515.2	68001.7	67391.5	82447.7	71836.5	TRUE
264793.9	254423.9	238039.1	246960.9	270813.1	237670.7	269628.2	285108.1	TRUE
246497.8	253499.7	230744.6	253960.3	279026.3	266471.3	263308	271280.8	TRUE
187386.7	149454	180828.5	160961.4	169793.8	194418.3	188944.1	205957.9	TRUE
348368.1	324300.3	326037.8	398873.9	371532.7	341519.4	349575.3	387627.3	TRUE
148496.7	111708.5	128738.2	126012.4	127431.4	127387.9	123877.3	142537.1	TRUE
345677.4	240710.1	253742.4	291623.1	273088	331066.9	318116.7	352672.7	TRUE
940963.9	819676.7	730822.9	1009583	1116388	1022843	922590.9	1040713	TRUE
262030.6	222883.2	199593.9	205784.3	210228.3	239775.9	192040	241993.9	TRUE
584533.6	432455.3	615684.4	646829.8	628243	705805.6	518924.6	640019.4	TRUE
330030.3	261113.5	360369.9	372143	348502.3	435279.4	337438.5	354013.2	TRUE
104751.7	81681	103469.4	98856	123604	110334.4	95989.2	122931.7	TRUE
214373.1	230646.4	217824.1	211176.7	262632.1	263269	225072.7	262913.8	TRUE
34478.4	11009.6	41093.6	38048.5	38372.7	43509.7	27365.3	48652.6	TRUE
68892.4	52970.2	49675.1	69592.5	64210.6	72684.2	80265.9	70065.5	TRUE
108133.4	95222.3	106009.5	117366.9	93767	102371.7	90172	111069	TRUE
17747.5	7058.7	33943.8	23869.6	9900.1	22381.2	8984.2	9867	TRUE
77059	76585.1	85319.9	82920.7	64728.6	69565.6	80802.2	54193.5	TRUE
896895.9	786664.2	937215	929290.6	667472.3	904054	900901.9	649353.2	TRUE
35590.4	37287.7	41424.9	38943.4	27506	34467.4	25067	27259.3	TRUE
151886.1	146587.2	146571	162295	155316.2	170575.9	166474.2	158227.5	TRUE
746604.4	598012.4	626687.2	599861.4	927060.4	523513.8	517145.1	571745	TRUE
651006.2	456417.1	691087.4	646118.8	737794.5	750252.7	577716.4	678728.8	TRUE
224746.4	227562.6	252106	277568.7	252205	308363.8	231195.2	286307.4	TRUE
248607.6	290695.8	277316.9	397622.3	321876.7	300134.7	400054.9	310011.1	TRUE
169557.4	136357	146096.3	125673.8	184659.9	154388.8	134863.7	143221.8	TRUE
27667.3	55451.9	42085.3	43289.1	44491.1	20563	51552.9	43406.9	TRUE
45789.4	77906.8	95598.4	58790.9	45931.2	92761.3	79047.4	82748.5	TRUE
260454.9	277826.1	289913.6	362574.5	201966.2	337688.8	351112.8	358142.2	TRUE
244796.6	235041.5	256032.2	271271.2	159429.8	295749.5	196040.7	173498.4	TRUE
292117.8	311272	332832.9	333822.1	242697.7	291156.8	312809.7	253604.2	TRUE
136950.1	117134.7	174437.4	151135.9	126243.6	150465.5	117829.8	94391.4	TRUE
609232.3	359870.2	504554.3	523519	603872.7	627167.7	399315.8	621188.8	TRUE
46912.4	28554.8	39309.2	55166.1	37848.6	59765.2	78024.8	62230.5	TRUE
86336.8	101759.1	117301.4	96538.5	105533.8	105873.7	113004.3	88095.2	TRUE
114239.2	110369.8	117119.1	101182.4	97002.3	106914.3	105964.9	76800.6	TRUE
132470	76859.5	120373.6	127652.8	135554	129588	140640	129927.5	TRUE

60449.2	33195.5	36473.1	25703.1	24843.2	46851.4	44450.1	31181.8	TRUE
125924.4	91158.1	83909.5	100573.8	85800.6	100474.1	99138.9	86559.2	TRUE
268465.5	206347.1	275276.5	266102.9	194520.5	279894.6	232710.6	213688.1	TRUE
30002.5	32944.3	39360.8	37253.4	41107	41600.7	42200.6	40155.8	TRUE
66327.8	53566.9	41798	60973.2	64063.4	69428.9	58801.7	89722.5	TRUE
73706.1	48726.9	57132.6	65857.8	56953.4	91239.1	104078.2	68993.4	TRUE
96328.6	90845.5	71353.8	75222	56380	99183.4	101449.3	96814.7	TRUE
83709	70201.3	73360.5	87679	80527.4	50196.8	52425.8	61029.6	TRUE
26742.3	27479.8	36469.5	27043.8	20934.7	38112.3	17454.2	31995.4	TRUE
27889.2	30568.6	44928.1	36117.8	38314.5	48102.1	39863.2	40152.1	TRUE
159943.7	158589.8	119641.2	153342.5	118442	119379.5	167358.2	142819.3	TRUE
151646.3	127826	137650.5	167104.7	105496.8	138792.2	147578.6	161708.1	TRUE
502689.2	351558.3	537368	532831.7	433561.5	511642.1	385608.4	479537.3	TRUE
85524.9	79614.7	53544.5	74592.9	72213.3	52529.8	78472.6	68179	TRUE
29676.6	43811.8	50199.8	37234	44903.7	38538.4	38999.6	39670.4	TRUE
27800.7	21982.9	30241.4	45638.3	8514.8	12712.5	24557.4	12795.8	TRUE
1578481	1543285	1366361	1871859	1452307	1459383	1697777	1384164	TRUE
1385701	1386365	1206747	1544071	1216623	1299384	1491610	1301377	TRUE
1684665	1320109	1751046	1889129	1611226	1946624	1514179	1877383	TRUE
112419.3	140505.3	83204.7	151860	140586.4	119744.2	131260.5	157878.8	TRUE
75279.6	86411	62114.3	90025.1	93337.2	91796.5	97814.5	78727.9	TRUE
34666.9	34644.4	26079.8	39759.2	29922.1	40818.4	42627.3	46811	TRUE
60382	56779.3	97621.1	80897.2	54489.2	92288.2	82785.1	80466.9	TRUE
348572.5	316688.1	281150.5	390128.4	315857.5	420527.4	359931.7	422224.4	TRUE
68821.4	65571.4	77772.9	90276	96846.7	76823.5	96163.4	100729.5	TRUE
225459.6	245683	234161.6	254257.3	204310.8	204345.1	258838	187330.1	TRUE
81463.1	55032.4	59248.9	68451.4	76968.5	125247.9	58451	86154.7	TRUE
713783.9	581033.6	760660.8	797745.5	591942	741034.6	667540.4	700413.1	TRUE
181540.8	179909.1	183198.9	183306.6	197703.3	231471.5	193653.8	175819.5	TRUE
571883.6	506173.5	613073.6	611609.9	644132.2	610047.8	526444.1	597809.4	TRUE
49117	44456.8	51262.3	55548.2	59356.7	51372.8	41386.3	52594.5	TRUE
71330.5	56282.6	62576.9	95193.9	64121.8	77442	68407	56456.8	TRUE
28119.3	31751.9	41630.3	49330.7	42171.3	38425.1	15782.1	31949.6	TRUE
548581.3	554888.9	538834.7	611471	528029.2	529335.6	517005.7	543884.7	TRUE
2089392	1802687	1956300	2435967	2134228	1949663	1995709	2034985	TRUE
2013287	1677818	1830886	1745072	1849919	2159715	1862904	2064647	TRUE
2359786	2191337	2186872	2164986	2160881	2560102	2428227	2664049	TRUE
32272.4	27182.3	25151.1	24920.7	37508.3	37495.2	25185.4	39523.2	TRUE
33994.5	31805.8	25320.9	46012.1	28891.3	31666.7	40535.7	34226.9	TRUE

130383.8	173617.9	77023.2	257749.4	169031	90175	215101.9	166981.6	TRUE
119249.5	128861.1	94934.6	83770.9	151253.1	94515.6	144728.6	170511.8	TRUE
195793.2	222118.3	256949.4	270190.8	173448	441261	212076.1	398128	TRUE
239956.6	260543	266021.1	290513.4	119954.4	529182.4	255432.2	503131	TRUE
80983.5	71109.7	56151.4	68170.7	107813.3	61086.9	90059.3	119630.1	TRUE
92631.9	142701.3	100824	118218.9	64403.6	89069.3	145421.8	86261.9	TRUE
91378.4	69476.4	61582.9	69804.7	76250.8	88769.8	73343.1	86796.8	TRUE
24386.8	11309.8	20389.4	33366.5	30367.2	26584.3	26128.3	27231.3	TRUE
36230.9	27925.6	33162.5	47015	39360.3	29408.6	33153.9	42338.5	TRUE
65977.7	29849.7	25778.2	46122	32970.5	42077.5	61469.1	40198.9	TRUE
35723.3	47083.6	39035.5	45383.6	32337.2	36880.2	33414.6	40133.9	TRUE
49428.5	38707.7	45343.9	51935.5	72427.4	50287.3	49965.3	56364.8	TRUE
52407.2	49870.5	61212.9	109764.3	84104.3	90831.5	71354.9	71232.8	TRUE
72074.1	64852.8	87399.5	113473.4	77148	103617	88651.3	99675.5	TRUE
26834.8	15706.3	43838.9	48789.4	41422.7	44257.2	48977.8	56319.7	TRUE
653970.2	519740.1	595392.8	688502.2	468019.7	634671.6	557902.8	420842.4	TRUE
895789.9	476647.5	689958.8	655205.3	832512.1	924253	532461.7	872719.8	TRUE
873464.6	847652.5	825322.4	991725	1005590	914104.1	911682.2	944775.3	TRUE
197299.5	145590.9	234144.9	250504	236223.5	216781.8	220732.2	232755.1	TRUE
442637.2	372400.9	473391	525662.8	524622.4	525597.7	488847.2	559710.7	TRUE
258644.5	218557.4	216186	253964.7	267410.4	263465	253058.1	304251.4	TRUE
36078.6	84469.9	45261.9	61486.6	88237.2	21436	21246.4	23497	TRUE
20022.1	11649.8	39634.4	27969.6	35532.5	33051	35659.8	31877.7	TRUE
108103.1	90948.7	94995.9	108603.5	128103.4	140030.1	130388.2	120245.8	TRUE
245073.4	262788.7	200764.9	218331.3	176058.9	195223.7	317669	249574.5	TRUE
73452.9	78088.7	67322.7	81957.3	79774.8	75999.4	87500.5	88921.6	TRUE
8711.6	9425.7	11852.8	11507.3	16124	29520.8	8314.9	9243.5	TRUE
755296	671141.4	609376.1	756896.6	663751.3	575685.2	598397.6	649065.3	TRUE
4495900	3663357	3543504	4077538	4059915	3448230	3550174	4016222	TRUE
180817.3	157492.7	187333.5	217057.2	184114.9	184107.1	162133.1	203361	TRUE
84862.6	79305	72584.8	87126.5	89838.7	72832.1	75354.9	79769.7	TRUE
96625.5	31577.8	38832.7	38171.2	44410.4	16102.3	9639.6	18480.1	TRUE
60622.5	123078.8	78384.4	145991.4	146101.4	16535.4	11843.3	9355.2	TRUE
120108.3	299022.4	156775.7	315786.5	301151.1	62721.3	55756.2	63247.7	TRUE
57056.6	69230.1	41969.3	51105.8	56298.4	51652.6	64341.1	67709.8	TRUE
81983.9	75006.6	56408.7	88521.8	81136.7	76768.4	95533.3	110825.3	TRUE
33522	18054.6	25549.3	30400.2	28462.4	27259.1	39598.5	25975.9	TRUE
65924.2	70203.7	74212.6	87035.6	72765.2	76634.1	80995.6	91605.7	TRUE
66891.8	54695.6	62347.6	67492.1	63493.3	61750.3	65743.1	75557.8	TRUE
1417192	1311967	1391829	1491557	1494992	1721802	1599006	1699789	TRUE
2438961	2227563	2505035	2446746	2465449	2914772	2724755	2985561	TRUE
80501.3	110212.3	119877.7	129376.1	109110.3	50514.4	58260.5	55778.9	TRUE
84333.9	50100	69937.8	82548.3	70124.2	86920.7	70816.8	71687.7	TRUE
100583.9	64712.4	77040.3	116238	95990.9	136824	97543	122681.3	TRUE
106746.6	101205	115412.4	129164.5	99488.3	118453.3	101539	125431.1	TRUE
37419	42961.2	46556.2	49917.6	37475.8	69123.8	54753.7	63654.5	TRUE

55950.2	68498.9	54972	67055.9	65447.1	56164.4	58256.4	65462.4	TRUE
78809.1	68223.6	62819.4	64467.3	62046.6	59939.6	76830.6	76883.8	TRUE
62743.1	67989.3	50745.5	50558.1	58378.3	56650	49952.5	58398	TRUE
100190.4	107812.4	123417.4	110345.6	78360.3	109156.6	102625.5	81040.9	TRUE
96221.7	104366.7	99042.1	84927	74875.7	93230.1	91133.9	86502.6	TRUE
109864.2	89525.5	122898.4	110236.4	107349.4	118426.1	85489.5	127433.7	TRUE
216643.4	120031.1	172674.6	182101.2	289640.8	296900	156499	267074.3	TRUE
138095	95394.3	122210.9	120635.4	111262.7	143793.8	104705.7	143720.4	TRUE
202434.2	115945.6	171367.6	144963.4	200969.9	235097.2	154242.8	215692.6	TRUE
64836	57111.4	66079.4	80922.1	79773.4	66514	68018.1	71854.4	TRUE
176908.7	148509.8	162810.3	189462.1	185428.7	148440.8	183567.8	191661.8	TRUE
40041.3	37872.4	37249.2	65016.4	57596	55930.7	44081.3	57605.6	TRUE
54175.5	70379.2	44625.7	59656	100747.4	63697.3	245199.8	58890.4	TRUE
73799.4	78504.3	91355.7	88652.8	78489.2	70258.9	86259.1	70898.5	TRUE
22875	20563.4	21231	21161.4	25240.3	24805.6	14821.4	26455.3	TRUE
30159.8	13812.5	24890.6	23928.3	27684.5	31924.5	25226.7	24475.6	TRUE
89214.7	61577.7	73177.3	87061.1	63748	90298.9	81942.8	108090.4	TRUE
22610.4	32957.7	17533	23057.7	23821.1	16279.3	12136.7	24367.6	TRUE
78487.1	74839.1	82870.2	99351.5	95723.7	85758.9	73300.5	90822	TRUE
68059.3	63098.2	72211.3	72279.4	66900.9	65474.7	65103.9	66146	TRUE
170930.3	174525.9	180292.8	213698.3	187316.1	163301.2	165357.5	206324.4	TRUE
67960.6	60111.7	77335.2	93194.5	74786.8	77818.5	68139.1	65575.1	TRUE
174914.7	135557.5	207200	163647.6	139290.4	198277.5	181421.6	139973.7	TRUE
324420.2	336745.3	270415.4	342947.6	275921.6	314422.1	305171.3	294923.4	TRUE
162936.8	180702.6	169925.2	176963.3	185984.2	156251.6	154017.7	150591.4	TRUE
709119.1	610126.8	699691.6	910326.5	786241.4	711242.5	706780.7	857669.2	TRUE
327925	370954.6	336471.4	510830.2	358234.1	327757.8	303723.5	347130.9	TRUE
262829.8	196016.1	224942.5	189452.7	237194.2	249757.2	264566.6	221371	TRUE
619896.1	626144.4	628516.6	749899.9	650199.1	591229.7	607102.2	579724.7	TRUE
865463.4	819492.8	862925.2	819649.6	815865.7	959724.9	879650.3	889416.6	TRUE
144611.7	122459.8	126679.1	173192.5	157175.1	192835	153519.5	202747.3	TRUE
472086.9	466740.3	316732.1	302001.4	378673.8	344666.6	389804.8	337183	TRUE
86156.3	60796.2	79120.4	77233.1	87011.8	70985.5	86880.2	86317.7	TRUE
58134.8	47439	61833.4	72536.6	60668.9	50841.6	53715.2	66518.4	TRUE
323640.8	333342.1	261584.4	375909.3	357748.9	293188.2	315511.1	310165.1	TRUE
115962.8	87212.4	98816.1	87437	111776.4	105879.1	85199.8	103145.6	TRUE
174154.1	143565.8	141138.6	163551.3	142391.4	128104.4	142608.2	156024.2	TRUE
55659.2	35917.3	37050.1	34907.3	52710.8	30943	38621.5	46850.4	TRUE
70502.5	58765.9	86935.8	106757.6	88733.1	101344.2	78766.3	102465.3	TRUE
297457.8	273989	330417.8	405032.7	322417.3	367845.4	334607.9	307811.3	TRUE
70373.5	63796.9	78025.9	70529	72764.3	76211.7	72299	77831.7	TRUE
235852.8	212005	173232.4	207494.1	182147.9	199995.7	220408.3	218444.6	TRUE
659869.1	511687.8	570864.6	502240.2	535929.9	691589.3	698205.4	755581.4	TRUE

470948.9	409044.5	619628.8	323293.5	252901.9	686103.2	359985	260433.6	TRUE
268758	259615.8	349578.3	283372.8	219991.4	387986.3	226805.4	209964	TRUE
37996.8	42523.5	65214.9	56972.5	54421.2	44394.3	42108.6	42533.5	TRUE
122544.5	77997.3	170509.5	104005.3	96126.9	157725.8	95495.4	113384.4	TRUE
81644	64053.6	124661.9	55981	48415.9	120279.7	82710.2	68858.4	TRUE
357393.2	236515.8	306388.2	288369.7	579434.6	310127.3	231067	273797.6	TRUE
3193200	1907868	2577400	2529208	5609151	2378596	1910381	2717666	TRUE
153840.5	127307.2	134206.4	172913.3	239841.7	154840.7	126665	157251	TRUE
85498.6	46981	113699.6	96920.4	226759.3	85990.1	72143.7	92107.4	TRUE
111049.8	81779.7	83015.8	80286.2	151437.6	113457.5	104809.6	97081.8	TRUE
292636	227626.7	501711.1	242953	185425.6	529433.1	235370.9	177871.7	TRUE
229752	227151.6	349312.7	223552.8	167132.4	315212.7	266570.8	182059.8	TRUE
81453	136698.3	195666.5	195015.1	379281.4	17093.7	28557	48762.1	TRUE
277329	228548	377565.7	212008.1	211581.4	351033.7	257989.7	214757.7	TRUE
177326.5	163705.3	294699.8	192324.2	149059.6	315034.6	183383.9	159800.6	TRUE
292344.2	261698.1	453397.6	296627.3	265965.1	442096.8	290326.6	257557	TRUE
25985.6	51777.3	66869.5	46647.6	20668.3	41254.6	48206.6	28233.1	TRUE
57298.8	59458.1	123164.4	76387.2	52222	130057.7	80682.6	39460.9	TRUE
83253.4	68153.6	165916.1	72277.4	45888.6	148884	86479.7	59581.7	TRUE
55053.9	44399	58962.9	48383.2	31173.7	64502.3	52103.5	33508.9	TRUE
92499.4	71297.2	178267.3	60575.7	40280.6	165130.8	75965.1	56212.4	TRUE
278818.8	204138.7	596438.1	244768.1	187273.2	570557.4	258214.3	191653.2	TRUE
150212.1	58878.8	84702.1	97205.4	276012.7	125353.9	81768.9	115523.6	TRUE
180979.7	177548.5	262611	249208.1	190120.2	330410	246739.6	289347	TRUE
48390.4	40459.8	48991.2	50441.1	34544.1	70028	42335.3	51162.9	TRUE
23505.2	28413.3	32483.9	15652.4	8509.4	43958	14646.2	26712.5	TRUE
29217.6	10021.9	43634.6	41344	20091.5	57742.4	45402.5	28717.4	TRUE
143434.7	145700.6	138745.6	159615.2	202261.3	144330.9	173031	151628.4	TRUE
155449.8	136328.5	137372.5	178811.8	218339.7	167897.9	150982.5	167000.8	TRUE
386643.9	395408.7	572755.9	310246.2	298330.9	596928.7	335406.3	301581.9	TRUE
2825971	1585469	2338862	2334231	5423294	2154011	1758048	2441769	TRUE
403415.1	381857.7	635121.4	366927	281253.5	661684.8	374261.7	300371.6	TRUE
610381.2	482909.1	1056547	519832.9	360003.2	1172216	534616.5	424403.4	TRUE
235763.3	199239.5	208619.1	212462.9	180395.8	217074.7	220042.8	213821.1	TRUE
159213.5	164600.2	192582.7	143100.6	161427.3	227409	157322.5	156917.7	TRUE
117017.6	123190.9	181672.2	105543.3	100558.8	140342.6	94349.4	80683.3	TRUE
155235.7	198944.7	217970.1	158059.1	138894.7	195401.2	141104.7	162946.5	TRUE
41606.2	48172.1	57342.4	59132.5	53126.2	33432.3	34742	33425.5	TRUE
38267.2	67949.3	65697.3	68468.3	58989.6	51483.9	38988.3	44129.3	TRUE

63035.8	54638.7	49373.8	65058.6	49898.3	60803.4	41214.7	60040.4	TRUE
1093717	696614.2	1244680	1307929	1418285	880048.3	760619.1	959347.8	TRUE
313609	225926.9	283721.9	295357.9	458487.6	268363.7	250257.9	288356.2	TRUE
531328.3	495873	597276.7	643232.2	755214.3	523185.6	549160.5	540937	TRUE
41730.6	31649.6	47208.6	40789.8	58605.9	44387.2	47006.7	45439.5	TRUE
75841.4	65866	82291.1	60022.1	110437.3	71828.8	67678.7	74724.7	TRUE
42838	68700.8	49325.7	79300.7	167736.9	45024.5	39471.3	39998.8	TRUE
40852.1	60425.1	55727.1	82966.7	106347.3	30459.9	39431.7	17117.5	TRUE
121770.3	156909.7	222357.7	183805.7	266007.3	92159.8	99621.1	116118.4	TRUE
44030.3	63360.2	68480	81692.3	56219.5	72532.5	61482	50482.4	TRUE
828675.5	654515.1	1410657	714914	460784.5	1640722	696539.3	495916	TRUE
246140.1	183519.9	500918.9	221824	123130.3	595930.2	237540.2	150951.1	TRUE
529286.5	334140.8	811336	564637.1	406748.9	909581.6	387631.9	443873.2	TRUE
81227.6	74926.6	117626.8	95208.2	83896.5	134923.4	98772.2	108303.4	TRUE
346338.6	213013.6	245560.2	270174	276831.5	255411.8	252345.9	262727.7	TRUE
194301.1	147979	261650.9	161219.7	158672.1	268648.4	219794.8	154940.4	TRUE
58084.8	89197.3	173514.2	70706.4	74690.5	63310.8	42754.6	45371.5	TRUE
24699.8	71026.6	88912.6	49552	53586.2	33129.9	9445.2	9051.6	TRUE
32330.4	28326.1	29633.1	22102.2	29395.3	34749.2	30114.3	39192.5	TRUE
448354.6	422117.1	382836.1	377417	428217.5	386502.6	429034.5	378762.3	TRUE
685735.8	599081	643014.5	633520	584017.5	611246.1	569404.7	549818.3	TRUE
22065.4	32711.1	22791.1	23256.2	31874.8	17477.3	28375.7	23642.6	TRUE
19497.4	34505.7	29423	35705.6	26919.3	26689.5	27361.1	20574.9	TRUE
47501.3	30824.5	56927.5	52342.8	37934.7	77200.7	50820.5	53690.1	TRUE
14967.9	18932.6	7406.2	29859.4	7356.5	13596.2	6836.9	8604.8	TRUE
20683.6	7616.5	9584.5	18374	5060.8	27729.2	19430.1	11442.4	TRUE
20017.8	31537.3	26162.6	24307.2	17618.6	10342.7	35878.4	31914.3	TRUE
151923.5	93506	103881.6	136550.6	114859.7	124661.7	143932.2	129890.2	TRUE
374620.1	360832.8	361063.5	353889.2	381475	362192.7	400161.1	343631.5	TRUE
436933.5	422531.8	429100.4	406296.3	477181.8	402292.4	418324.8	399044	TRUE
229435.8	227217.5	283969.4	286807.5	284825.9	272739.1	270926.4	251767.2	TRUE
471958.8	440966.8	559098.5	573569.4	554704.4	601423.5	492830.4	565807.9	TRUE
98546.1	100375.8	88421.1	90137.4	67676.8	99328.8	76564.3	61808.8	TRUE

270449.8	237679.8	262974.2	242478.3	239199.9	239490.3	287142.2	225793.3	TRUE
46993	50838.6	47730.1	49443.2	49527.2	45170.3	61573.3	48439.1	TRUE
319031.3	331400.2	307004.7	344053	334523.3	303060.9	347388.8	378346.2	TRUE
80135.9	64888.8	76249.1	80462.8	70567.1	70306	71306.3	73930.1	TRUE
153818.3	202090.3	98951.7	126289.5	154426.8	132668.7	156961.4	172001.2	TRUE
79514.7	77593.1	95948.4	104739.1	101497	95721.1	120051.3	93286.6	TRUE
146082.8	113320.1	121844.5	99288	116043.9	141053.6	144401.5	157460.3	TRUE
391195.4	346346.2	353343.6	381470.2	377685.5	412291.3	462239.7	408949.1	TRUE
278905.9	275196.7	261953.1	274876.1	320601.9	289628.5	318168.6	337159.5	TRUE
1553157	1742307	1845382	2127260	1558914	1626003	1943751	1609677	TRUE
396764.4	429034.4	300559.6	431424.7	551000.4	321657.6	489691	530654.6	TRUE
335613.9	399211.1	212332.9	352678.4	516330.9	225780.4	417184.5	462651.5	TRUE
91313.4	89626.3	97249.6	105384.6	115089.2	97381.6	93519.6	88717.1	TRUE
200535.6	190401.7	173314.4	153382.6	198981.8	175458.3	186724.8	224932	TRUE
350034	333168.6	274189.9	322284.3	311941.7	284428.1	344587	352533.8	TRUE
91973.6	85386.9	99321.5	90063.8	110114.2	102148.3	107992.1	107818.5	TRUE
543320.4	566191.4	434927	472309.7	520927.2	491680.7	528766.9	517961.6	TRUE
794864.4	695795.2	537251.7	646469.8	728996.3	657114	715910.5	687664.8	TRUE
61078	84056.3	83001	94446.4	70538.1	91289	78640.2	82359.4	TRUE
392167.6	335043.2	418525.7	333863.5	394921.8	366318.5	350769.2	349481.7	TRUE
100682.7	96581.1	113404.3	95189.7	95872	113594	96557.4	100224.8	TRUE
567249	500865.1	482042.9	415671.8	508810.6	466681.1	586334.8	500874.3	TRUE
127063	121251	171731.8	125546.5	149664.4	192824.9	150033	154802.7	TRUE
142477.6	174337.9	128349.6	109693.2	123840.1	130522.1	132420.9	147778.8	TRUE
665553	721574.9	515479.1	597125.7	620561.3	539671.1	649296.8	617109.9	TRUE
175213.9	147296.2	207177.7	209473	183025.2	197327.3	214701.6	197300.8	TRUE
370573.9	375850.5	383195.7	435415.2	426811.5	402693.3	438293.9	411445.5	TRUE
189739.4	181367.1	150469.3	156928.4	148622.8	166758.2	159978	195779.7	TRUE
1412451	1348052	1335046	1466100	1259239	1169105	1371793	1210087	TRUE
145528.7	190395.6	154843.9	162316.5	176297.3	128800.5	128791	117233	TRUE
456930.1	423202.4	439459.9	497862.1	420682.4	460137.2	427181.7	464135	TRUE
339748.6	321023.8	311145.2	307657	334448.9	319732.5	357650.6	356512.6	TRUE
106030.4	137642.4	335554.8	103607	132245.2	56038.8	47727.6	49787.4	TRUE
44408.5	75493	70903.8	92623.8	96518.3	47607	27802.1	38900	TRUE
43248.9	68673	69016.7	79782.3	63311.5	57401.1	45251.5	42498.4	TRUE
50537.1	85525.7	80548	59568.5	73903	37132.1	38706.7	27553.7	TRUE
735722	539504.2	712162.1	690685.9	607922.9	768863.6	692096.7	771071.5	TRUE

760337.9	715991.8	719801.7	801428.5	747594.5	828818.2	810333.5	816997.9	TRUE
120386.9	205857.2	187533.4	168238.6	184276.1	83676.2	90540.8	96226.4	TRUE
62318.6	116338.4	119518.2	102953.9	99980.6	46892.8	54187.3	56817	TRUE
292920	249146.3	277800.3	261548.7	292681.9	285237.8	293472.8	280924.6	TRUE
435517.5	388701	372197.5	396048.3	460419.7	423484.3	432543.8	425798.5	TRUE
34436.8	60918.4	43053.7	58952.5	54860.6	30308.6	35526	36707.7	TRUE
50835.5	46418.2	43157.5	43103.7	46474.1	42456.4	56630.8	42064.1	TRUE
33665.8	36061.4	27570.2	32021.1	29964.2	36268.4	45355.9	37372.1	TRUE
121241.8	90767.6	83140.8	107108.7	98626.5	120828.4	106718.4	141138.1	TRUE
143900	107025	118043.6	128370.9	123289.3	150417.4	143187	166087.2	TRUE
144794.5	85858.2	126960.7	100412.2	115153.8	201484.4	149274.1	159628.2	TRUE
888467	883944.1	570162.5	647112.5	733688.1	643691.5	704132	682497.9	TRUE
194546.8	191938.9	183360.2	228549.5	207590.7	217994.4	196255.8	218917.2	TRUE
1112437	1171260	1074011	1328896	1270490	1132665	1302203	1247169	TRUE
3703770	3696356	3622162	3825393	3400578	3644870	3721423	3738132	TRUE
1424276	1307851	1268990	1415434	1277781	1279903	1366321	1321436	TRUE
40511.5	36397.2	29687.1	30156.8	47160	34219.6	34582.4	26863.4	TRUE
117007.2	129945.4	120244.1	132751.7	96156.2	184429.6	129195.2	107140.6	TRUE
6980.7	6569.2	6944.2	7796.5	7458.9	7212.2	3935.2	8052.5	TRUE
31552.8	33012.3	22431.4	29758.4	33675.1	26126.7	28960.2	30995.8	TRUE
51901.8	43837.7	52389.6	60580.4	64066.9	52981.9	63332.2	54521.1	TRUE
300736.9	221469.3	209868.7	284560.3	283864.7	283206.1	307661.2	312221.2	TRUE
422636.1	322952.5	237680.2	321743.4	356890.1	379331	470766.7	468034.6	TRUE
798091.7	572170.4	621284.7	670443.3	679628.4	759312.9	692038.2	866857.9	TRUE
41942.9	32978.2	35309.9	23803.9	22380.3	21666.9	25427.7	25755.9	TRUE
81466.1	94982.2	69942.7	82374.4	84212.2	82231.9	79147.3	68216.5	TRUE
135315.4	144100.9	129377.6	152177.2	207406.6	122776.5	160760.4	195668	TRUE
180373	153542.4	139780.8	167827.3	169288.5	141315.6	190823.8	184915.8	TRUE
355575.1	339196.5	352551	336914.8	318523.3	339304.7	369644.5	345029.1	TRUE
219431.3	223966.4	158088.2	224237.1	229848.8	189271.7	214183	222984.7	TRUE
55817.1	47621.1	64373.2	78915.6	77248.9	60288.9	52615	55037.2	TRUE
41264.9	39799.4	41261.3	37658.6	49670.2	43201.5	57244.2	46875.2	TRUE
129863.1	194735.1	178937.2	160296.7	177728.9	134609.2	168833.4	140878.6	TRUE
15664.5	9150.4	10457.6	24511.7	14564.3	8225.5	11662.1	7139.2	TRUE
62778.5	47701.5	42090.6	59815.7	48891.7	53757.2	82063.4	64234	TRUE
343205.1	310381.7	200435.9	309167.9	266650.2	220073	298315.9	305988.9	TRUE
89745.7	93892.2	102935.5	147527.1	138701.5	104884	135077	144888.6	TRUE
88831.3	72247.8	98359.4	114000.8	112705.5	111633	122750.8	110654.9	TRUE

815564.4	867977.2	597364.5	990485.6	1078486	896116	1104711	1088840	TRUE
153742.4	117493.8	123137.3	108978.9	160419.5	115669.3	161336.9	163815.6	TRUE
110546.9	157857.1	114965.6	108516.9	157673.3	119268.8	170029	133392.3	TRUE
22843.2	24977.8	38342.7	15240.3	25223.2	8657.6	22281.3	10666.6	TRUE
765280.5	792644.7	775405.4	780327.7	615178.4	438817.1	764077.3	529592.2	TRUE
699764.4	598694.8	726192.3	774124.5	659049.1	684452.8	633462	693026.5	TRUE
957181.7	787641.8	953797	940282.3	921318.4	944323.5	769090.4	931565.8	TRUE
197056.9	149761.4	131057	155579.5	138819.4	174784.6	246375.4	146031.4	TRUE
182217.5	143564.3	129860.9	159937.7	147441.7	184237.4	214176.3	208999.2	TRUE
803022.7	552804.2	647087.2	703237.4	728842.7	756967.9	681218.1	772199.4	TRUE
38657.6	41448.3	31825.1	44438.1	37134.4	45732	41272.7	45174	TRUE
33493.2	12892.9	23178.6	58776.2	38023.4	49110.3	49517.9	46219.8	TRUE
47544.3	41837.3	53315.4	60947.3	64184.8	55175.9	47662.6	51741.2	TRUE
101749.5	69677.1	112621.1	116710.1	107447.6	108023.4	93171.3	103791	TRUE
60307.2	30248.3	44620.5	72545.1	52411.8	64113.4	59716.3	86763.9	TRUE
2706731	2802722	2645811	2600515	2040409	2772871	2742159	2150940	TRUE
261979.3	292974.4	377425.3	255731	262656.3	248665.8	240549.8	264300.2	TRUE
81239	103694.2	83141.6	56116.3	86630	94607.2	106263.7	90308	TRUE
145580.8	88228.6	162433.1	167780.9	145422.9	153147.9	107163.6	165716.3	TRUE
179889.8	204284.7	211354.5	188307.6	177879.6	236169.6	216787.3	276878.2	TRUE
145917.5	127857.6	130386.8	168918.1	135858.8	147119.2	162672.8	151555.1	TRUE
321200.5	291060.7	260783	292878.2	282159.9	297377.9	345716.2	286144	TRUE
133381.1	101767.9	107682.5	118123.3	74102.9	88860.3	109442.5	87558.9	TRUE
277223.4	279259.8	281538.4	333237.4	300499.4	343912	311288.8	299021.4	TRUE
102434.3	81601.9	120911.1	154573.9	96288.5	112748.9	99110.5	125121.3	TRUE
367757.7	331879.3	340586.6	352179.4	361739.1	334823.2	330605	302243.3	TRUE
376965.5	379587.2	361246.5	362619.6	262747.3	378547.6	352915	268034.6	TRUE
50289.5	56512	52328.1	66603.8	72570.5	66446.6	51967	66735.2	TRUE
178185.7	210291.8	110074.7	185869.8	149400.9	119169.7	188415	139221.1	TRUE
231967.2	241246.6	235631.1	216595.9	199393.6	259243.5	233646.2	211600.5	TRUE
92282.8	82931.7	102827.5	93113.2	109732.3	105885.9	93725.9	91558.4	TRUE
890097.5	642077.1	909082.7	837000.9	820688.7	974581	774499.5	884270.2	TRUE
35794.7	28765.4	41220.1	42659.3	37530.4	38022	35151.2	34718.2	TRUE
1699815	1660315	1572110	1700304	1347697	1716411	1832654	1395150	TRUE
769564	559775.3	867480.7	907963.2	802921.2	950036.1	678921.9	875095.3	TRUE
960735.8	773161.7	1103742	1143406	1076884	1017153	915259.8	1103429	TRUE
115179.8	115085.4	130848.8	147620.6	138556.3	88726.9	83297.7	73884.9	TRUE
346504.8	341226.4	331365.6	410997.1	263275.5	334360.2	390616.3	270122.9	TRUE
241796.6	217890.3	231874.5	266998.3	230380.3	238474.6	281229.1	229053.5	TRUE
183867	155399.9	227085.3	188641.5	177449	199560.8	135091.1	177214.1	TRUE
274163.3	244219.3	333733.3	325526	262107	313917.6	263179.4	279475.9	TRUE
216039.9	184853.7	243334.8	229139.6	226270.8	213219.2	198953.6	233777.9	TRUE
104651.4	110614	75251.3	101898.2	77485.5	92450.6	114107.7	80700.7	TRUE
93130.2	72519.2	88175.3	128893.6	78707.7	84664.2	92792.7	76324.9	TRUE

33127.2	44789	39469.6	48144.2	36831.7	37503.9	44840.7	40571.6	TRUE
107560.6	120715.5	95364.5	114928	87190.9	100257.8	129820.9	80024.1	TRUE
360926.3	331190.9	369343.7	428319.5	409594.5	367573.4	366800.8	408909.8	TRUE
94020.2	112399	80051.3	141074.3	110393.9	104647.2	118333.3	118743.4	TRUE
395308.2	398037.5	384299.9	382132.1	404464.4	416161.8	496757.4	366288.7	TRUE
35974.6	35838.4	31739.6	37259.4	31421.7	33300	48614.6	28820.2	TRUE
215279.2	232350.4	229723.1	214340.2	161541.4	245008.6	254946.4	188307.6	TRUE
121081.5	115746.1	118696.1	106439	121820.6	121568.6	128459.5	118166.5	TRUE
35356.5	31369.6	29065.4	40788.9	34477	49967.2	47002.5	39556.8	TRUE
530568	601457.5	314159.3	494515.6	633097.5	364264.9	675366	657760.6	TRUE
794808.7	789167.8	1009104	1020971	605911.4	755405.8	817256.4	787951.5	TRUE
60744.2	73585.7	39921.1	62550.8	66210.2	78806.3	94283	89830.2	TRUE
78751.2	97876.8	74313.9	100062.2	86771.3	84185.1	99150.4	132256.9	TRUE
365571.5	388395.9	188700	229660.9	290286.9	216688.1	306958.5	292872.8	TRUE
326843.5	388081.6	310108.3	252898.2	266453.1	211215.3	318068.4	302680.1	TRUE
145006	150404.1	119221	138863.1	188005.7	121933.3	175423.4	147686.8	TRUE
179181.2	219651.2	164277.8	221589.3	223121.7	174458.2	220041.4	200923.8	TRUE
136860.5	167450.2	133048.9	144022.2	138652.2	155580	152085.9	165040.7	TRUE
1039791	1089113	1327672	1299302	889886.1	963196.7	1095042	944033.4	TRUE
220025.8	197941.5	293980.8	271015.3	238463.7	236147.6	302894.9	281539.9	TRUE

138561.4	162336.9	142563.9	141334.8	147958.1	122066.8	159209.3	123623.7	TRUE
2369384	2133434	2528643	2475826	1728480	1924204	2151123	2014756	TRUE
571674.7	465714.9	547595.9	600404.6	435135.3	512970.5	587228.9	567700.2	TRUE
22960.5	12681.1	23689.5	34042.6	35080.4	27100.9	46554.6	38083.9	TRUE

127515.4	152109.3	97764.1	134556.1	184935.9	95547.5	127706.1	173201.9	TRUE
84973.2	157408.8	123952.3	158322.8	62393.1	92507.7	139632.4	96925.5	TRUE
212805.3	297895.2	235197.4	247170.3	176523	194896.8	287396.2	227234.6	TRUE
292737.8	352787.7	217389.2	324640.4	311106.3	245028.7	386543	350007.9	TRUE
212689.6	213024.1	161501.9	219328.4	221599.6	170228	258400.1	229618.4	TRUE
282384.9	312616.4	363424.1	352397.6	214443	289791.5	310432.5	301609.5	TRUE
648534	674146.6	721187.1	773417.5	546534.5	602293.7	719781.1	698883.5	TRUE
35726.9	29118.8	7360.7	16892	23715.1	23889.3	12052.1	10954.7	TRUE
154142.6	161759.7	110533.7	130649.8	107371.8	109629.2	150012.7	104936.7	TRUE
126758.7	146358.6	122529.6	130331.9	155596.6	144287.1	177880.5	130358.6	TRUE

107434.7	94857.7	116078.3	120193.2	74350.5	127603.8	133159.2	131183.5	TRUE
91327.9	109056.6	83036.2	67388	102182.5	82582.8	103522.2	92467.3	TRUE
127787.5	140658.3	92806.7	88514.5	121718.5	100959.7	119712.5	127003.8	TRUE
167788.9	191766.5	114809.3	152485.2	156948.4	128994	186719.1	160302.9	TRUE
135918.4	133607.3	121755.2	140881	134060.4	90419.6	158319.8	123921.8	TRUE

120035.2	105436.4	120603.8	145425.1	159991.6	132148.7	172566	169905.3	TRUE
116805.8	129282.6	118043.9	155932.8	169504.6	129561.2	219408.7	193489.2	TRUE
115094.2	136101.5	127639.5	170568.9	199006.1	131091.9	202014.7	181660.5	TRUE
29396.1	68492.2	41987.9	52160.2	67543.3	12475.6	8140.6	19039.1	TRUE
167787	191517.4	213867.2	220042.6	142535.4	189778.6	220204.7	189741.6	TRUE
126212.6	127212.7	151794.2	164509.5	109624.3	143135.7	166402.7	125652	TRUE
283208.5	295230.5	231386.2	210980.4	249500.2	236997.4	292466.7	265942.6	TRUE
1864362	1848895	1931203	2180166	1409449	1805301	1884244	1696437	TRUE
50610.3	60622.8	51555.6	41781.1	51338.9	43738.7	46203.9	66873.3	TRUE
53331.8	61943.6	52558.2	46297.3	60874.7	46033.2	59691.5	61148.8	TRUE
64324.9	75477	65275.5	56562	76599.9	66705.1	73499.9	63768	TRUE

163457.9	178610.1	236146.2	177609.9	174075.4	268955.2	167752.1	162339.3	TRUE
130922.8	128263	170098.8	118863.5	147004.8	211642.3	119629.2	161912.4	TRUE
132929	134621.2	200919	116177.7	125073.1	196538.3	131691.9	120771.5	TRUE
892319.4	925686.1	848818.6	847476.4	885135.7	898926.3	1075055	895116.9	TRUE
47614.2	153317.4	64427	105290.1	138375.1	34814	21005.2	25053.6	TRUE
47478.5	60920.6	65078.2	88763.9	78045.7	40916.7	28123.3	32651.1	TRUE
2293015	1618427	2299443	2092144	3656625	1761287	1829701	1930676	TRUE
25249.2	27733.5	41801.7	27307.8	23112.9	34636.6	27293.7	24798.8	TRUE
19576.5	30174.1	39300.6	30755.4	18948	56891.8	41833	22456.5	TRUE
107220.1	102984	121290.1	118788.1	92084.2	165598.9	111328.3	85614.6	TRUE
23349.2	11528.6	21446.2	31400.2	33840.9	25378.7	21486.9	9587	TRUE
184222.3	162487.3	132686	167319.3	173204.8	83890.3	97809.2	107603.3	TRUE

36186	28150.3	35548.2	48216.3	29243.2	46938.7	60567	48147.2	TRUE
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362067.8	366588.3	401915.5	349251.2	329237	413373.4	361516.3	359672	TRUE
977377.2	861152.1	1487477	702800.5	628366	1737913	1006418	659419.8	TRUE
2031702	1336945	1901496	1961754	3142901	1386822	1423334	1471627	TRUE
1438642	880803.7	1334458	1377589	2317007	1033861	947167.1	1172945	TRUE

53690.8	40653.7	51120.2	31443.7	36782	44684.5	50467.9	32622.1	TRUE
392009.9	435445.6	733460.6	319798.6	311939.1	772145	518277.1	333894.4	TRUE
26108.2	5710.3	17240.4	6021.4	23646.6	7273.9	11846.4	31616.9	TRUE
35992.6	29417.4	21658.1	14069.2	29190.7	32446.8	40225.4	18132.1	TRUE
96881.9	116869.1	109233.5	97176	70999.9	169026.1	125345.4	104595.8	TRUE

89301.7	73669.6	89966.7	53643.7	49215.6	128109.4	81969.8	74667.4	TRUE
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9124.1	10169.7	16669.3	7632.4	6627.7	33634.1	26855.2	9180.2	TRUE
46107.5	37796.5	45965	8837.3	23779.6	100826.8	54516.6	37704.2	TRUE
31100.2	27405.5	35701.9	16479.6	27805.8	54069.1	43429.2	28815.4	TRUE
38154.5	24947.2	22275.2	39466.5	24770.5	33538.8	30633.2	36461	TRUE

118304.6	88335.5	66734.1	88178	64580	119920.6	136028.1	98534.7	TRUE
122497.1	71975.7	111117.5	134288.8	137328.1	111162.6	98139.8	119039.7	TRUE
419798.9	276756	394808.9	455735.8	567108	384971.8	382359	365515.4	TRUE

1020502	1077286	887010.1	848759.7	1141640	858897.2	1218842	1154334	TRUE
204032.4	276585.3	159093.5	167587.8	254638.3	165057.3	273911.1	263637.3	TRUE
340744.2	324280.4	366336.7	386362.9	288760.8	260642.1	397642.2	308471.5	TRUE
117351.2	125514.5	78309.7	87888.7	139388	76136.1	118001.4	140118.1	TRUE
137211.2	162457	88613.9	93318	123735	95158.1	115291.5	113881.1	TRUE
136766.6	142898.8	97378.9	110088.8	131503.4	106260.9	138987.4	123450.5	TRUE
245994.8	280902	238389.4	224077.3	319364.8	232932.8	292845.6	315155.9	TRUE
185071.6	183583.7	255082.3	251054.9	168458.8	209820.3	212281.5	166182.7	TRUE
232787.2	233395.6	266460.4	259626.7	197190.6	173059.9	248807.5	185329.9	TRUE
274352.9	310037.5	326335.1	323362.2	257883.9	226371.8	339033.7	225505.8	TRUE
217229.7	237776.9	250381.1	244868.7	198513.7	204701.1	250532.9	196945.5	TRUE
100736.6	88415.1	40849.2	49855.5	71640.2	77744.2	101898.4	84322	TRUE
82931.7	89128	51955.6	50531.5	86184.7	63550.4	78868.6	111069.8	TRUE
173818.9	145066.8	174943.3	204508.8	158202.4	135010.1	203069.3	169003.7	TRUE
251297.6	237746.4	262319.6	319361.4	221236.2	268276.3	289413.8	273223.4	TRUE
367226.3	260368.4	323366.7	328649.5	240763.6	350980.9	364065.3	369269.7	TRUE
99571.9	101627.3	112015.6	97635.3	76797	87701.6	109454.1	103883.8	TRUE

40473.4	50725	58835.7	61557	45525.5	42012.4	48514.1	51199.2	TRUE
78135.2	114758.8	113104.9	142635.3	66656	64122.6	116922.9	64784.2	TRUE
15156.9	23778.4	26561.2	25982.4	7750.3	7793.4	17892.5	11687.4	TRUE
111874.2	198313.2	66391.1	109210.2	205634.3	58631.5	203082.3	212115.4	TRUE
85108.8	123901.7	43236.3	64223.7	129712.8	35089.2	146954.6	132180.1	TRUE

714285.4	808117.4	961661	958775.9	611177.1	577255.6	799433.3	587595.3	TRUE
35874.9	40027	34757.9	42731.7	47118.4	32600.1	48185.2	48925.6	TRUE

282790.1	342612.4	214149.6	198229.1	279350.3	185090.5	365425.9	285279.9	TRUE
208683.2	301521.3	176776	223011.3	260242.7	172227.1	273734.2	263286.7	TRUE
113611.5	120685.7	82586.4	63105.1	119029.6	82584.1	125059.1	117804.8	TRUE
412582.5	484237.2	504782.9	540774.3	343569.4	383131.8	482172.8	383223	TRUE
275018.9	286112.9	271807.5	331448.1	238667.2	253063.7	313131.4	291181.3	TRUE
69040.6	80296.9	71988.1	62053	53149	65465.2	86650.1	63549.1	TRUE
51983.1	254895.2	26742.5	70967.8	69487.2	42760.5	51023.6	68790	TRUE

175952.4	123075.3	186147.4	200551.8	177276.8	191511.8	154133.3	183183	TRUE
259928.4	220919.2	266211.3	309493.3	284797.8	251764.6	254434.1	308041.9	TRUE
98044.2	74860.8	82380.5	98795.8	83931.2	96667.7	66569.7	106053	TRUE
238128	249102.8	195658.3	183610.6	253868	266453.4	235779	292929.3	TRUE
1265131	1005791	1359057	1223470	1323137	1308928	1197728	1374774	TRUE
45195.7	46338.3	32714.8	52783.8	52963.6	44681.7	37186.2	42548.4	TRUE
1351235	915084.2	1352843	1519848	1434634	1441210	1031263	1293021	TRUE
208191.7	186294.5	302784.7	348881.7	270785.9	282711.4	201611.8	257270	TRUE
4091731	3802748	3047340	3087296	4324543	4885067	4148332	4852974	TRUE
106218.9	82108.4	57921.9	70287.3	99355.2	117630.9	117505.2	102986.8	TRUE
169560.4	151135.1	128315.5	159669.7	191043.2	205219.6	133909.4	189943.5	TRUE
399063.7	362352.7	334011.8	321737.2	407618.6	442010	336943.2	433890.2	TRUE
47731.2	57368.6	49850.8	49790	51443.9	31711.2	47662.1	39401.1	TRUE
112838.7	54789.5	136663.1	122270.6	117498.8	136310.1	76038.2	95216.5	TRUE
56448.5	66905	53385.5	72991.8	69315.8	71968.7	64324.6	79987.9	TRUE
246419.3	161507.2	284778.1	295101	288653.5	276304	223985.6	322789.1	TRUE
25925.2	26202.7	12189.1	12221.1	24228.2	11626.4	26455.4	30463.3	TRUE
89188.8	68076.8	74997.2	83271.1	73471	80589.3	80016	79027.4	TRUE
49424	50467.5	39868.9	55639.3	52289.8	58653	58628	62866.4	TRUE
17497.3	10600.1	6266.6	6694.7	7544.1	4825.7	9423.2	8666	TRUE
69189.3	58879.4	75909.9	71483.4	81549.3	65682.7	67117.7	74065	TRUE
2343964	2311573	1715752	1886695	2389429	2672181	2306154	2516151	TRUE
832291.2	779723	629567.3	666869.7	905602.1	926651.5	775804.7	854014	TRUE
577404.9	548603.9	476710.2	512017.7	582201.8	669115.5	595116	669546.6	TRUE
60295.8	40119.3	31929.7	36387.9	48767.3	64945.8	57423.8	64134.2	TRUE
58892.8	41047.1	74329.4	52232	65866	69816.3	48027.5	57193.8	TRUE
25621.5	36207.4	27438.1	29369.4	34648.5	20989.2	32825.3	25303	TRUE
173455.2	160149.7	180247.3	194038.5	169714.5	199124.3	177374.3	174558.6	TRUE
211788.4	209093.8	209828	228041.5	204812.9	226531.7	170166.4	196527.4	TRUE
475505	445177.5	351519.5	321794.7	385828.7	382183.4	374149.1	391686.4	TRUE
115979.9	85551.6	78883.4	101635	104998.2	83010.6	96768.3	92911.9	TRUE
472726.3	477576.3	429663.6	429237.6	406499.1	482767.2	457358.8	435020.7	TRUE
255764.7	254202.1	251398.4	254977.7	254053.9	231927.8	249757.7	249493.5	TRUE
627360.8	602173.8	499894.7	459261.2	576799.6	583835.6	541610.2	525020.6	TRUE
126301	103929.3	112947.3	120715.6	130545.2	117771.2	115984	97282.5	TRUE
215239.2	202281.2	170866.4	204235.4	206597.2	212105	198668.5	224357.6	TRUE
152277.6	132099.3	128957	144678.5	154327.4	191401.8	147000.2	172386	TRUE
59705.1	78684	85113.7	62911.9	82273	81991.4	66609.9	60189.2	TRUE
45171.9	31254.5	22354.4	49861	46878.2	46713	46720.2	65740	TRUE
154464.5	135089.8	120701.1	132230.6	156067.8	144499.6	140404.9	160798.6	TRUE
144799.3	153127.4	131158.2	144073.5	159968.1	157833.3	170592.1	150805	TRUE
229651.9	207545.5	251259	251469.4	223358.6	279103.9	251323.3	241164.9	TRUE
149723.9	102132.3	168787.8	160032	159523.2	151722.5	129120.3	175023.9	TRUE
37985.1	40497.1	42034	24939.4	38328.6	39404	34430.2	50463.4	TRUE

895639.3	836489.9	1182127	951837.1	791507.5	1116704	910441.3	789997.2	TRUE
147394.5	164672.5	180771.1	169986.9	167743.9	153247.4	166263	167209	TRUE
105380	87031.9	76279	111208.1	99481.3	105480.7	89852.4	125509.5	TRUE
257579.7	266316.9	256002.6	282714.1	311109.1	268620.7	297225.7	330331.6	TRUE
206293.7	222685.3	222392.7	234442.9	252601.5	224737.3	216704.4	260105.8	TRUE
178443.2	149339	179772.2	192241.3	191459.6	179557.4	172244.1	210581.1	TRUE
313907.8	229191.3	374753.5	267360.1	326248.7	374380.3	248961.3	326569.2	TRUE
277836.5	300639.2	294297.2	273312.2	311517.6	343944.7	326182.6	271669.5	TRUE
378077.6	399532.7	331352.5	335438.2	474794.6	368724.7	431071.3	365244.3	TRUE
562798.5	576392.5	488922.1	521874.3	594585.5	547177.7	602610.9	611855.4	TRUE
58990.6	55743.4	68837	55280.9	47760	61862.9	48662.2	47296	TRUE
123170.2	122894.1	111794.4	138155	161986.3	110358.2	77866.3	103051.2	TRUE
79802.6	71198	97358.9	74151.1	66736.7	84395.1	72430.3	73560.7	TRUE
117885.2	102380.1	88900.2	116782.2	110827	111604.4	124333.7	141407.2	TRUE
340390.2	315477.9	430556.8	307472.6	295721.9	416257.9	275791.2	304149.2	TRUE
175790.9	171884.6	169684.7	174439.6	158662.4	193737.5	149300.9	178044	TRUE
1253988	1087777	1054315	1058153	1551353	1318983	1177156	1292108	TRUE
152919.1	180340.1	134762.8	163545.2	195445.1	158468.7	160021.9	182816.2	TRUE
136838.6	138410.6	132492.3	125035.1	179875.9	181703.1	174903.4	181162	TRUE
203340.4	230653.4	241935.7	260369.8	232987.5	283916.1	246341.9	297156.4	TRUE
17696.9	22379.2	8595.9	8937	10128.5	15594.4	29025.1	20869.8	TRUE
77191.9	85187.6	88719.4	65362.4	57407.7	78879.2	72896.3	64485.3	TRUE
59528.6	73560	96453.3	81589.7	73087.5	99509	95419.1	72829.7	TRUE
263579.5	224228.2	245755.3	218776.2	214613.4	251460.4	290255.2	205874.4	TRUE
1107980	838927.1	1207008	1179806	1183394	923806.2	941414.1	998942.8	TRUE
1712426	1312119	1691036	1813420	1676164	1410455	1358352	1509651	TRUE
253771.3	260607.5	231279.5	243877.5	253883.8	284460.1	251163.8	257900.7	TRUE
132360.5	111636.6	111607	115709.3	113439.3	131945	129316.6	110417.3	TRUE
384522.9	393358.5	352775.5	408695.4	346696.4	397900.7	483208	351549.4	TRUE
313686.2	288889.8	390511.5	393228.4	308144.7	317466.7	329696.6	331503.8	TRUE
954288.8	964158.9	1059411	1224110	971903.7	1009998	994544.9	1119985	TRUE
243629.6	233713.3	199845.4	244634.8	220640.8	247914.5	269499.4	247283.9	TRUE
148065.8	156472.4	141363	134303.9	135240.2	145876.2	166524.2	137498.5	TRUE
495741.9	397229.2	574618.9	544984.1	523762	395425.5	477200	411391.8	TRUE
58062	70086	57333.7	69004.4	51181.8	80003.3	77462.9	86004.2	TRUE
21499.1	11724.9	17891	10196.6	11479.6	20649	15891.3	14460	TRUE
25477.5	10545.6	16838.4	29238.9	24705.4	9349.6	28872.6	41699.2	TRUE
70675	78571.8	61203	74399.6	70227.1	115050.3	119307.3	84702.5	TRUE
49912.8	48996.8	31619.5	56258.4	34685.9	60795.2	62943.7	54058.5	TRUE
30413.6	45592.1	35519	10661.3	12025.9	29638.4	33161.2	29441.1	TRUE
48010.4	55414.9	66674.5	69614.3	52113.7	69745.8	75658.8	62669.5	TRUE
149171.4	175443.9	181972.7	131207.7	151952	200900.4	226291.8	146273.9	TRUE
34214.8	10609.1	39389.3	33975.8	32531.4	44385.8	43873	23635.4	TRUE
193508	196250.4	169378.7	229119.3	177670.7	182820.2	198914.9	191305.2	TRUE

1261717	940431.2	1310504	1357123	1306635	1071006	1125998	1235740	TRUE
202507.2	232676.3	142789.4	150422.3	160227.1	182520.3	169303.7	154790.8	TRUE
53287.2	57518.2	86882.2	77834.2	57976.5	51630.7	57687.5	49012.1	TRUE
1175328	1037316	1303889	1405879	1125188	1055585	1119704	1085095	TRUE
397986.7	301291.5	517457.7	461310.7	395924	362465.2	349553.8	382411.2	TRUE
40192.4	47307.6	38480.2	42637.9	30316.3	36262.5	41553	29277.6	TRUE
10465.8	14207.1	13707.6	8113.9	10327.5	11139.3	29295	28358.6	TRUE
117811.7	101642.2	126386.7	129345.9	98883.5	138968.2	134354	101764.1	TRUE
5538.7	6341.5	7117.8	5704	4559.6	15271.7	7289.1	6148.2	TRUE
7395.3	12054.9	3404.8	8964	16123.6	10186.5	3971.7	4790.8	TRUE
152721.6	135904.1	158609.1	142084.2	120999.2	157122.5	109615.8	112105.7	TRUE
93060.4	83304.1	87123	63931.2	58626	82119.2	69290.5	67299.3	TRUE
61494.6	36950.5	43564.5	60674.5	50323.3	65053.1	77284.7	54018.2	TRUE
76418.1	59870	79544.8	78472.4	80814.4	98409.3	82378.9	76739.1	TRUE
26677.9	24018.5	44054.8	34951.3	33440.9	33468.3	49444.7	35556	TRUE
119800.6	158883	137492.3	112961.1	131422.5	160252.7	126323.4	131181.3	TRUE
214559.6	241431.9	258908.4	239388.9	221531.4	271466	255177.7	228138.1	TRUE
76690.3	77143.7	90160.4	71739.3	72721.4	85581.2	85944.2	60359.1	TRUE
285403.8	287720.7	304229.6	341100.9	355449.6	315852.5	278374.3	321043.4	TRUE
199211.7	156846.7	212236.7	222844.6	207419.1	208850.5	195009.1	226683.4	TRUE
1071316	1179967	1207907	1387028	852418.8	1184101	1042127	878009.5	TRUE
1213500	950400.5	1209358	1256944	1467968	1425504	1079632	1403236	TRUE
113490.9	120179.9	101154.8	133462.9	115016.1	123600.8	104392.5	82618	TRUE
54291.9	35235.1	47092.3	45571.6	41018.3	52968.8	57100.4	48677.1	TRUE
43385.3	47257.1	38369.5	64356.7	62296.3	54471.4	59147.6	79368.7	TRUE
27257.8	31268.6	29802.3	43503.1	30878.3	27085.1	42085.8	42436.6	TRUE
23006.9	12840.2	19630.8	14326	26476.3	29411.1	36738	24600.9	TRUE
111772.4	139171.9	148580.5	103687.3	119107	148969.5	124485.1	132702.6	TRUE
69416.1	76334.5	102245.1	75771.1	86710.4	114270	123975.6	98834	TRUE
88286	97180.6	108871.2	102098.4	90420.3	120655.2	105444.2	107159.4	TRUE
59988.7	62104.6	136911	46685.1	39011.2	86545.3	74833.1	69536.2	TRUE
176144.9	119482.3	125715.6	155162.7	155504.9	159454.5	212277.9	165722.5	TRUE
29782.5	25848.1	17382.5	22496	23746.6	29055.3	21900.2	26639.6	TRUE
91416.4	77064.5	105706.9	115505.6	76471.2	140002.4	111235.6	79169.2	TRUE
23636.7	6847.4	11959.8	9864.2	17543.5	14392.4	12827.5	9941.8	TRUE
68165	46435.1	68618.7	76294.4	55887.4	62430.6	47085.7	67536	TRUE
524623.1	527727.1	445833.1	467862.7	489896.2	497583.3	505479	484711.1	TRUE
880616.8	899065.1	703914.3	835927.9	777210.4	719614.4	913928.8	789233.7	TRUE
894665.6	879978.2	1033580	1077087	818500.6	950051.9	895921.1	910336.8	TRUE
39656.3	49147.8	41812.5	41822.5	54087.7	48524.5	73384.3	57611.1	TRUE
99818.6	122517.4	76825	99029.2	84006.5	95629.6	90706.6	89518.3	TRUE
107485.7	78341.8	68586.7	83065.2	85148	122284	120116.6	145913.6	TRUE
120312.8	104877.1	96369.2	103007.5	91609.4	116307.4	141301.5	115513.6	TRUE

84726.4	62189.7	63495.1	66558.3	73168.3	78680.8	110478.4	81938.9	TRUE
36766.8	35123.1	46501.8	51411.2	39166.9	33940.4	48872.5	54823.8	TRUE
72370.5	57749.9	59415.6	76427.5	72399.6	64374.4	77366.3	69644.1	TRUE
54566.9	75206.6	31565.4	36564.5	40237.7	36905.4	41367.1	38266.6	TRUE
455644.3	504888.2	433441.4	496076.5	486173.7	409409	541137.7	540557.9	TRUE
336281.2	482166.3	249360.3	296832.1	287878.6	240481.3	417301	308545.7	TRUE
110509.2	128483.6	115396.7	107165.5	127585.9	97700.7	154421.7	141832.1	TRUE
163545.1	225248.5	159442.7	182339	204989.6	163423.1	217641.2	189380.3	TRUE
164539	292284.8	205169.3	209321.1	130384.8	153701.4	183396.6	149857.1	TRUE
472206.4	558845.2	603714.5	511077.2	504066.7	485375.7	526993.7	459055.3	TRUE
38464.4	50875.2	45873.5	49373.5	41188.4	42847.5	47936	50058.8	TRUE
306036.9	301670.6	241730.5	282369	281617.1	258694.7	322604.3	248827.1	TRUE
701599.2	627219.6	780408.6	820963.6	712576.8	711535.8	720364.7	728902	TRUE
224558.2	231965.8	198074.1	181090.3	234653.9	203540.1	243743.8	209343.2	TRUE
275050.1	308536.5	193663.5	233180.3	289627	189897.8	319561	247794.6	TRUE
107332.9	69687.4	46240.8	76232	78786	58212.5	84676.7	67592.5	TRUE
218805.4	244855.6	224559	252979.4	189015.3	217046.3	217405.3	231555.8	TRUE
30577.9	9948.1	11812.4	21518.7	17132.7	22704.2	53554.4	28292.7	TRUE
106382.7	89724.6	82413.5	89458.9	111661.4	104852.1	111424.5	105321.3	TRUE
108886.4	111458.9	99670.9	112205.9	104097.2	108349.9	112348.5	100765.9	TRUE
65849.9	75341.9	42882.9	60740.3	53523.9	75975.9	82855.4	90122.9	TRUE
216387.6	180541.5	198392.7	194104	168365.1	237905.1	215039.6	259770.4	TRUE
78669.3	65077.1	64028.3	79349.8	74197.4	87862.9	99967.7	88478.7	TRUE
175709.9	174608.2	137098.6	174490.4	181640.8	166987.2	187641.9	172884.2	TRUE
241376.4	231107.4	217824.5	231646.2	222217.1	211799.9	236160.4	256468.4	TRUE
256438.1	263476.3	243551.9	232419	259746.6	227284.1	287886.1	266497.2	TRUE
101958.1	55850.6	71075.8	97743.7	72301.1	116846	75352.3	96781.1	TRUE
201333.4	163691.1	147252.1	212804.1	225748	254572.3	196901.6	263965.5	TRUE
147590.3	122191.8	141608.7	174980.3	149354	140213.7	154378.8	145306.6	TRUE
164616.4	155218	177572.4	152099.4	146270.9	197633.8	147034.3	157874.1	TRUE
6709903	7256895	6151509	7538817	8866428	6254321	7328337	9253980	TRUE
8759937	10533701	9951132	9716145	8035478	9456874	10832163	9687886	TRUE
94264.2	126840.1	120168.7	102390	99166.6	130379.3	124168.3	118212.4	TRUE
42440.6	39079.3	30595.6	39510	36010	54402.1	40732	41107.9	TRUE
312495.3	265197.5	280348.3	286478.1	286628.7	351357.8	277499.7	342695.8	TRUE
883410.3	784643.5	877521.3	870395	869550.4	877093.8	792296.9	896010.1	TRUE
185157.6	147627.2	184894.3	195182.4	155595.6	196164.3	142043.6	155084.3	TRUE
178747.9	145827.9	102791.6	134577.9	176133.7	154894.8	160485.4	196630.6	TRUE
228947	196714.4	189405.4	177468.8	199601.3	245859.1	243379.5	264539.5	TRUE
100652.3	89486.2	142282.9	140939.5	103247.3	122931.4	73539.1	99077.8	TRUE
62266.7	41222.6	75312.7	76529.5	41157.7	85490	42417.6	28591	TRUE
112758.8	111614.2	145173.5	119187.5	118479.8	143055.1	110858.3	122535	TRUE
59279.9	49584.2	66299.9	56049.4	47832.8	52997.2	47321.5	38621.5	TRUE

96368.2	78110.6	134070.5	113885.7	107448.1	129488.8	83393.4	85369.5	TRUE
22811	34819.1	75106.4	23802	34779.1	24707.1	31586	28569.4	TRUE
35904.8	38462	53437.8	57565	48537.9	36588	15613.5	36103.9	TRUE
26239.9	40064.5	10402.3	30417.7	36807	28396.6	42863.1	33660.9	TRUE
165774.9	119168.1	119128	143951.3	131162.3	182172.3	144075.9	177698.8	TRUE
293776.8	285166.2	306035	289340	245489.4	309052.7	296107	317839.3	TRUE
327963.9	319695.3	292487.4	328004.3	363466.6	374245.6	314778.7	329108.3	TRUE
28072.9	6853	28272	9771.9	24107.8	30551.8	24342.6	11281.5	TRUE
23719.9	20491.3	31188.5	36536.9	26305.2	10991.1	32075	29518.9	TRUE
141931.3	123649.7	139873.4	150711.6	154358.3	149367.5	164675.4	149712.7	TRUE
255904	231442.6	266474	247182	247877.8	254942.6	237484.1	274024	TRUE
99544.7	106259.8	84088.5	88222	87929.6	131520.2	110024.3	122874.6	TRUE
447179.1	315030.2	326936.4	418581.7	446956.5	436730.6	391489.2	460985	TRUE
166607	131186	114545.3	123638.1	165458.4	156472.5	137479.2	158395.6	TRUE
549214.9	410336.9	509248.7	456501.5	479086.2	542689.9	450915.3	524747.2	TRUE
60792.9	66676.2	89090	65117.5	58798.4	56809.6	58852	59238.4	TRUE
169427.1	122883.7	129020.2	136813.3	151227.3	148008.4	146915.3	159585.7	TRUE
246660	219712.2	239787	262626.4	219459.3	236558.3	217759.8	200704.1	TRUE
43189.9	45274.4	56841.8	33146.7	33794.6	34428.1	55443.8	52905.2	TRUE
157369.5	151195.7	149793.9	144645.7	147662.1	181058.5	135307.2	117872.8	TRUE
234849.9	204032	280402.9	278830.7	270782.3	287672.5	236489.2	257379.7	TRUE
72648.9	46621.4	73864.2	61238.1	67920.4	66612.9	60805.4	60266.8	TRUE
75490.7	53740.6	60263.2	75443.7	87525.6	77479.6	79925.6	75029.6	TRUE
200325.3	162615.5	151209.1	232637.8	220617.6	174196.4	184907.9	202692.4	TRUE
612799.5	520073	500324.5	633284.7	584862.2	495873	530518.2	597814.8	TRUE
1266675	1164842	1092485	1120648	1172143	1384994	1224088	1410990	TRUE
538292.1	516800.1	436488.6	452402.2	442310.9	612538.1	576544.4	599262.9	TRUE
26742.3	27479.8	36469.5	27043.8	20934.7	38112.3	17454.2	31995.4	TRUE
157990.8	165404.8	153207.2	153849.7	141600.1	180219.5	158155.2	148870.4	TRUE
85524.9	79614.7	53544.5	74592.9	72213.3	52529.8	78472.6	68179	TRUE
29676.6	43811.8	50199.8	37234	44903.7	38538.4	38999.6	39670.4	TRUE
27800.7	21982.9	30241.4	45638.3	8514.8	12712.5	24557.4	12795.8	TRUE
1578481	1543285	1366361	1871859	1452307	1459383	1697777	1384164	TRUE
1385701	1386365	1206747	1544071	1216623	1299384	1491610	1301377	TRUE
1684665	1320109	1751046	1889129	1611226	1946624	1514179	1877383	TRUE

35623.4	25402	29731.8	39988.9	32728.4	54309.7	31788.4	48363.3	TRUE
138817.4	133609.6	94337.4	146178.9	144952.9	152148.1	176029	175220.4	TRUE
68821.4	65571.4	77772.9	90276	96846.7	76823.5	96163.4	100729.5	TRUE
225459.6	245683	234161.6	254257.3	204310.8	204345.1	258838	187330.1	TRUE
81463.1	55032.4	59248.9	68451.4	76968.5	125247.9	58451	86154.7	TRUE
181540.8	179909.1	183198.9	183306.6	197703.3	231471.5	193653.8	175819.5	TRUE
571883.6	506173.5	613073.6	611609.9	644132.2	610047.8	526444.1	597809.4	TRUE
85806.8	110737.2	63826.1	115326.8	97411.4	55704.6	110920.5	111363.1	TRUE
137517.7	169253.2	91143.6	126047.3	87699.1	116039.3	126405.9	91327.4	TRUE
145742.2	130317.1	170776.2	147740.6	111397.7	168681.9	152679.7	130988.6	TRUE
93332.9	126662.3	205669.8	170650.3	140649.4	99115.6	131704.3	98047.6	TRUE
34442.8	34493.1	40033.2	37614.9	26990.2	32312.8	35287.3	33578.2	TRUE
1698869	1336736	1998974	2014713	1719220	1709991	1399876	1637175	TRUE
106106	143459.6	87240	88632.8	119034.4	103693.4	129019	125896.9	TRUE
80595.4	76703.2	71451	87111.8	79908.9	75008.2	90321.2	72910.9	TRUE
40178.4	65801.5	32408	42215.5	50528.1	42344.4	42455.8	48007.1	TRUE
360491.9	262127.6	399864.9	425980.9	405659.5	449220.1	313849.3	374325.7	TRUE
564660.7	478187.5	544793.2	585920.7	615551.2	598976.3	525886.7	554914.1	TRUE
21312.3	18189	21227.8	16775.1	19154.5	20566.2	20913.6	8078.2	TRUE
590563	582347.1	438710.9	445829.6	377951.8	463753.8	490446.6	390170.8	TRUE
91685.3	106096	87227.1	66866.5	70221.6	60520.2	79023	63850.2	TRUE
74860.2	68922.2	78312.2	84684.8	83933.4	61872.8	60470.8	46827.7	TRUE
131137	146446.8	141430.7	134268.5	139894.8	162918	151474.3	133422.2	TRUE
81686.3	78785.9	84951.1	70776.7	87873.2	90761.6	75762.1	72625.6	TRUE
252984.5	199139.9	287264.7	230439	293053.4	227949.5	199503.4	235454.7	TRUE
522441.3	440666.9	599559.1	580396.5	546725.4	525870.4	444973	550284.3	TRUE
27587	43533.3	31938.6	30478.5	21807.2	29546.1	36009.5	33229.2	TRUE
79356.9	66499.5	95370.1	98020.3	125855.6	129613.2	116591.2	104452.6	TRUE
48864.9	56556.5	51283.6	43237.6	40865.7	55929.6	46710.3	45133.7	TRUE
204459.8	119276.3	214150.8	220355.7	164931.3	187510.1	118254.8	163404.9	TRUE
245373	224412.5	241133.3	271069.8	286583.5	169703.6	239086.5	182528.7	TRUE
28490.6	25037.7	45842.4	34692.7	30637.4	49563.5	37550.1	36475.2	TRUE
280684.3	279278.3	309484.6	237650.6	220634	325833.5	271772.5	264132.6	TRUE
125623.8	127357.4	174379.2	177030.7	133199.5	187714	142748.3	141943.3	TRUE
455288.4	334089.4	445070.1	461021.2	534631.4	448923.7	379388	450700.9	TRUE
650898.4	500615.8	657274.5	627021.9	753910.4	586563.7	546224.3	593065.6	TRUE
481242.7	406281.2	502807.3	532034	558094	472252.2	417798.7	446622.3	TRUE
45451.3	59449.8	58156.9	43142.4	61346.3	56018.9	57816.8	55866.5	TRUE
1013728	835369.8	1128935	928254.3	1140526	1020666	883165.9	980071.1	TRUE
448382.2	401543.8	498530.3	482269.8	582796	439654.4	425021.7	469005.7	TRUE
283305.1	274209.7	238559.8	260378.4	275377.2	281935.3	284641.4	251721.4	TRUE
6353.5	10469.8	11542.4	8334.1	6486.3	8268.8	13082.5	11375.4	TRUE

350132.5	283240.1	385521.5	378653	381186.2	292437.8	246618	281857.1	TRUE
234048.5	256158.3	431523.9	240598.7	358673.7	249159.8	189757.5	223461.8	TRUE
23536.8	5978.8	14342.3	3760	20985	17651.4	27578.3	21976.3	TRUE
108994.7	101554.1	84978.7	96044.3	98142.1	103151.6	99787.9	86715.9	TRUE
53175.4	74584.5	62759.2	66989.9	57004.1	59486.3	56452.4	46852.5	TRUE
105196.2	82193.6	104516.4	72369.4	47678.6	87209.1	84321.5	72563.3	TRUE
386955.1	329824.8	459004.3	337504.5	289309.9	449166.4	372414.1	307366.2	TRUE
267052.6	238660.8	336965.3	290410.8	336617.9	279136.4	251058.7	263373.8	TRUE
19853.2	24458.9	22746.9	19362.9	21666.2	21378.5	11937.2	10296.9	TRUE
40987.7	38859.5	48940.8	42757.5	40977	45327.8	35393.5	35289	TRUE
89095.2	73895.7	84494	85042.1	94869.1	89368.7	85327	117733.3	TRUE
130049.2	166034.7	141690.7	162765.5	181512.2	115253.2	127533.7	134307.6	TRUE
46551.3	42014	45624.6	37195.6	44077.5	38375.9	37842.3	49296.8	TRUE
229522.7	230062.3	162507.8	180710.3	214086.8	224149.1	263046.1	282290.7	TRUE
307862.3	297889	283381.8	242322.5	286279.6	323706.7	367686.5	372833.7	TRUE
127420.2	90981.4	146751.1	161099.7	153397	152014.4	149599.7	181928.5	TRUE
156922.4	137315.7	165122.7	197794.5	211444.2	192103.8	235061.6	229548.6	TRUE

157783.2	225651.3	212350.5	209813.8	185355	115056.9	128154	133407.7	TRUE
62373.6	106276.4	109875.5	111991	116676.4	42992.5	43956.5	53166.3	TRUE
59258.8	66801.9	99842.2	82666.6	71820	83418.6	53647.4	52990.2	TRUE
298170.2	319383.3	253994.2	281009.4	291927.3	326300.1	427539.1	336209.8	TRUE
343220	296246.2	214155.6	231101.7	215655.5	264545.1	323741.8	293050	TRUE
415287.5	358811.7	371915.1	335049.5	282456.4	416649	381924.3	420450.3	TRUE
579362	514090.9	510743.4	570053.8	497379.1	594949.4	697951.2	617259.5	TRUE
89341.8	99884.6	66919.2	92452.5	92176	72699.8	114272.3	102502.9	TRUE
3035117	2921622	3281834	3160427	2588604	3197792	3811531	3669252	TRUE

44003.6	44124.1	33165.7	38211.3	43329.3	27034.4	50227.4	52733.7	TRUE
300028	297069.3	142456.2	199795.9	323837.9	142104.6	244769.2	291947.8	TRUE
107713.1	108177.3	75002.6	78606.1	99263.6	79430.3	99673.9	103792.4	TRUE
34952.5	46565.1	24349.8	15639.7	38551	34624.3	43059.5	54000.5	TRUE
140289	115537.8	94092.3	140275.1	126642.3	128069.8	121134.1	120354.9	TRUE
256210.4	257168.4	235329.8	402356.6	473014	253723.1	411280.6	468166.7	TRUE
934277.1	829146.8	824423.1	1192960	1518634	907489.3	1284210	1398096	TRUE
91371.4	112130.3	91545.6	90583.5	105552.6	77012.2	92731.9	119668.8	TRUE
52682.7	105066	75992	91708.8	108419.2	44737.6	59163	57732.3	TRUE
70997.7	54561.1	56726.4	68631.1	56497.5	51779.2	70675.5	76482.1	TRUE
107497.5	85587.9	75629.7	113351.3	105826.1	98562.6	101815.1	119481.8	TRUE
160543.3	348289.5	214915	256685.3	224592.9	105651	122881	118215	TRUE
66361.5	62031	79847.2	69481.8	79025.4	69060	70983.8	75832	TRUE
76377.8	79311.9	40672.4	191179.3	60816.5	44784.4	101277.6	55442.6	TRUE
50098.7	64049.2	50549.7	390854.7	75154	54016.8	41456.9	56400.3	TRUE
46351.3	47200.2	46775.5	226412.2	41511.1	41291.6	51911.2	47151.6	TRUE
22392	41447.9	19073.7	37943.1	36969.3	30231.9	33638.7	35308.7	TRUE
106549.7	92892.5	99916.8	80007.2	137351	81866.8	106111.6	110868.6	TRUE
814147.9	742376.5	538155.2	619466.9	767020.8	528115.4	580451	739363.9	TRUE
111539.6	123185	83799.4	96451	93475.5	80081.4	78556.6	99334.3	TRUE
618535.6	528835.6	497328.7	625303.5	822170.6	527786.5	732567.3	817032.7	TRUE
1914403	1780056	1555927	2149177	2708547	1699438	2201599	2523694	TRUE
262446.6	245635.4	258927.3	279585	286175.3	233267.7	279278.3	287138.4	TRUE
161813	386460.7	171355.4	265817.2	359946.1	92915.5	90702	98679.7	TRUE
119417.6	91808.2	73293.7	99657.9	135146.8	79727.5	115731.5	154128.9	TRUE
139681.2	169516.6	113129	157129.9	169664.9	115833.2	199959.9	181307.4	TRUE
63376.3	93727.7	82589.2	97867.3	136740.3	42324.5	50027	42363.1	TRUE
108425.9	282361.6	135541.4	306335.2	453322.7	53596.1	31419.8	75240.9	TRUE
65028.8	63303.1	56847.8	76926.4	93580.2	60978.7	56653.6	84708.6	TRUE
110339.3	99615.3	64611.5	100722.3	108174.3	88917.5	120687.2	152986.9	TRUE
331224.6	381772.5	391181.2	408103	281178	372880.8	410092.2	378532.4	TRUE
462457.7	456511.3	503919.9	521225.1	397984.7	484010.6	550546.6	492226.6	TRUE
233591.1	596425.1	325842.2	624569	477366.1	181229.7	152434.1	168832.6	TRUE
146769.2	110347.7	123004.4	143950	142131	116242.1	134677.2	137238.9	TRUE
62282.2	52320.7	73144.5	78945.5	94218.4	96462.7	94846.3	112138.9	TRUE
186637.5	184237.2	94856.2	135104.5	157564.2	119862.4	133776.1	152063.4	TRUE
108441.5	109318.1	102028.6	80492.2	81311.7	102498.5	114368.4	92185.9	TRUE
170219.7	178136.8	119373.7	119764.9	126271.3	109872.6	139110.3	141342.4	TRUE
265601.7	210314.8	177042.3	214134.4	243306	173481.9	207539.5	214534.8	TRUE
95859.5	117567	66198.4	90666.3	82885.9	78094.5	97383.9	98060.1	TRUE
44096.5	62066.3	33537.5	37588.7	46112.9	33325.3	15592	33257.5	TRUE
300520.8	258555	181602.5	196168.6	222621.6	176021.3	215093.1	268374.6	TRUE
249213.5	204117	182129.1	149327.5	190863.1	168028.4	187774.4	203495	TRUE
288535.1	261437.7	171332.8	201347.2	247631.2	186931.2	241794.2	247659.9	TRUE
68253.1	68398.9	43538	63739.6	69833.5	73278.5	56892.5	85633.5	TRUE
156859.8	118661.6	118857	155016.4	133481.6	201624.5	141432.8	183739.2	TRUE

24359	15900.3	37989.5	6465.8	32951.1	49708.1	39102	45788.7	TRUE
38116.4	36120.4	21632.5	28089	33514.3	25760.4	29373.2	35490.7	TRUE
93428.9	132633.9	115728.4	107020.1	102178.2	91072.9	90656.8	99514.8	TRUE
183558.4	216502.3	181974.9	140771.9	155876.6	201502.5	182683.6	165058.6	TRUE
100929.5	113558.5	105971.7	120550.7	122270	113027.9	138194.5	131239.2	TRUE
202916.5	202786.4	207892.3	226446.5	251023.6	216843.3	214075.3	259425.2	TRUE
195894.1	205523.4	227106.4	235881.9	272725.1	214679.3	239440.6	253371.2	TRUE
688792.3	806059.1	748088.2	887983.8	1023530	820456	978516.4	1016779	TRUE
52416.4	33671.2	55882.6	76029.8	78618.1	52172.5	80902	61983.9	TRUE
152976.7	145522.9	146682.3	179720.4	179539.5	184809.3	192605.5	185023.1	TRUE
218150.6	188559.1	229727.3	231842.3	248688.3	247384.3	264816.1	246293.7	TRUE
89561.6	97562.2	100727.4	122355.4	122053.4	118585.2	102921.6	139522.8	TRUE
113051.6	104831.6	152119.5	154973	174962.3	128091.2	154472.2	170172.3	TRUE
164494	161101.9	156704.3	211550.9	207671.5	172676.1	234540.8	239639.3	TRUE
168829.5	147216.5	180119.5	193799.4	180975	198868.6	183530.5	186015.8	TRUE
34468.3	38962	37383	35660.8	28336.1	17477.2	35236.7	36916	TRUE
16789.6	10833.8	22549.9	24610.4	6432.1	8399.5	8449	12051.7	TRUE
200296.4	183984.7	159342.9	212495.4	242199.8	185748.1	245399.3	260308.4	TRUE
226647.6	387201.8	254572.7	296744.1	325027.1	183372.8	231227.6	182816.8	TRUE
73167.1	98639.4	93606.3	94843.8	89320.2	97850.7	100549.7	105472.5	TRUE
87447.3	286614.5	174879.2	307106.4	363374.1	73020.9	60249.7	73917.4	TRUE
38720.7	63777.4	56884.5	65379.5	76613.3	36577.8	35940.9	38813.6	TRUE
62598.5	53220.9	61911.6	66504.6	66943.8	69977.8	59031.2	80850.4	TRUE
45614.2	61686	57507.6	51768.1	38897.5	58798.6	58280.8	57939.8	TRUE
40191.2	30357.6	22137.2	42325.5	36627.7	37741.5	32193.3	37139.8	TRUE
31531.6	11154.3	14618.8	10516.4	24749.3	21770.9	13515.4	34558.7	TRUE
98552.1	72870.9	82953.9	101234.7	69781.6	103911.1	84171.2	80257.6	TRUE
31805.6	25818.7	24984.5	36133.3	23837.9	38666.8	50578.1	37936	TRUE
211279.8	172596.8	169375.5	182845.6	147459.1	230605.1	244186.7	208080.6	TRUE
288290.5	268913.9	221701.8	215444	296721.1	211980.2	255384.2	253908.9	TRUE
5296157	4973782	3819541	4938501	5127253	4305171	4876951	5592119	TRUE
389092.5	409459.6	323423.7	365289.1	418083.8	362702	428134.3	398493.5	TRUE
72688.5	66897.9	53307.4	73713.3	56770.6	77607.2	63728.1	87261.6	TRUE
47796.4	47235.3	47931.3	53413.9	54486.3	47770.6	51842.7	41155	TRUE
40702.9	49773.9	53653.3	55922.5	54025.9	45911.9	47857.5	67850.1	TRUE
134624.5	137490.2	149429	157475	183665.4	168200.7	201494.7	190053.4	TRUE
19559.4	31379.8	33448.2	39661.5	30586.8	29975.4	33427.9	28078.4	TRUE
38208.4	28452	29293.9	27803.6	43235	38799.2	40010.5	44113.4	TRUE
16305	13226.6	15174.5	13687.3	23445.1	23790.9	31762.2	31925	TRUE
14547.1	9747.6	14269.2	23242.4	23272.7	25791.5	19626.1	37408.2	TRUE
17213.5	9199.4	14674.1	17811.2	23839	18223.9	24870.8	26713.6	TRUE
51110.5	37758.1	41773.8	49389.4	38236.6	52412.3	64697.4	56881.6	TRUE
37935.2	38812.3	28244.6	31110.6	51943.9	30958.4	37894	41828.9	TRUE
102353.4	70316.9	79556.8	98991.8	101251.1	96218.8	104490.6	116984.8	TRUE
156384.8	474211	202443.2	481325.6	538762.4	51074.9	28476.4	51107.6	TRUE
703576.4	2096732	757110.1	1756251	2089824	214907.7	136363.3	247005.6	TRUE

21398.5	67819.3	46882	79242.6	105442.9	17783.7	19358.1	23937.7	TRUE
35851.9	103443.2	48915.3	111725.2	120810	21707.7	22692.6	27192.9	TRUE
33623.1	17174.5	30924.7	24974.8	27794.3	26438.7	18921.3	31571.6	TRUE
767450.4	810372.6	808679.4	872509.8	732900.3	880998.9	883804.1	747716.1	TRUE
19144850	17715130	17420954	17972446	16949465	20935891	20923049	19784998	TRUE
56443.7	43059.7	46451.6	86401.6	43659.8	67162.9	49524	65862	TRUE
32870.5	39825.3	31293.8	29717.8	42497.6	40464.5	36084.3	38392.4	TRUE
54040.5	40056.3	44120.2	47277.5	61139.4	43729.9	38063.4	49922.7	TRUE
35239.9	83092.5	47950.7	64917.3	69176.7	10887.3	11343.5	7637.5	TRUE
398379.3	1315045	613581	1144406	1139167	108984.5	81066.8	144535.2	TRUE
265151.1	782643.9	335767.5	604364.5	644091.3	74512.5	45182.8	98002.7	TRUE
31121.9	43757.6	49639.8	58239.7	64342.4	51164.2	58324.3	64768.3	TRUE
98835.9	92399.5	127498.3	135690.5	129835.8	129465.6	129714.6	147514.1	TRUE
155260.4	153003.8	177081.8	224439.5	226295.2	193199.9	220697	232109.3	TRUE
35487	29916.9	42736.5	40765.9	50978.6	39042	35275.3	37461	TRUE
30546.6	19995	27489.4	29158.2	29695.3	35517	28572.5	42214.4	TRUE
63778.1	38318.1	58615.6	79586.2	68168.7	72815.8	77923.9	78794.9	TRUE
20779.2	22816.6	20538.3	13681.3	12093.9	18233.3	30041.1	27562.3	TRUE
183014.9	147023	175296.6	183496.1	180105.1	203025.6	183808	198385	TRUE
30214.3	44453.9	37870.4	52114.9	32731.7	38090.8	36087.2	44886.8	TRUE
16812	12656.9	19114.1	26319.8	23875.2	20487.1	23306.7	22914.5	TRUE
270518.3	239483.5	214217	298546.6	321042.6	214046.5	272312	333143.3	TRUE
44032.2	99359.3	57035.9	91181.8	106481	41886.5	28904	26896.8	TRUE
42951.8	96502.2	71655.6	69163.5	104809.6	29472.4	25833.6	26921.8	TRUE
68114.1	91387.4	75702.3	92256.4	90396.3	64465.1	54665.1	49652.3	TRUE
32909.1	72694.2	48581.7	60639.7	74220.7	39705.6	36816.5	34538.2	TRUE
32089.5	32892.5	26922.7	36595.8	49645.4	18367.8	10614.3	21876	TRUE
64523.6	65515.4	48414.2	61506.1	61223.1	67544.6	69340.9	72243.2	TRUE
101226	75692.1	70770.9	88596.2	73509.9	94934.2	96736.4	105506.5	TRUE
85123.8	64617.3	82203.1	80225	98398.7	141680.9	110986.1	113984.1	TRUE
21163	12705.5	5687.8	8812.3	7655.2	31748.2	14093.7	29750.9	TRUE

80308.4	79550.6	88385.3	102570.3	81578.3	155569.5	114014.3	72449.6	TRUE
43189.7	117787.6	64020	124895.4	111658.8	21505	22141.3	21723.2	TRUE
7047	8098.1	12287.3	7599.1	17724.4	12522.1	7862.5	14146.5	TRUE
99270.7	112209.8	68358.5	83506	83305.9	69360.6	85730.6	81053.3	TRUE
224837.8	192031.8	187721	232414.8	214824	186404.1	218473.3	205934.9	TRUE
2977751	2667654	2800709	3091084	3410865	3015918	2843947	3142531	TRUE
872301.1	741423	669972.1	823341.5	940964.9	742245.8	891219.5	996814.6	TRUE
236834	212442.1	229179.7	256706.6	244095.5	253068.8	233374.5	266553.2	TRUE
196586.8	164318.3	189488.9	199636.8	211448.3	200368.5	232334.1	201549.6	TRUE
347689.5	323851.6	267083.2	334749.3	312352.5	309293.1	352479.8	371407.9	TRUE
863832.4	836000.1	715588.2	806965	794473.5	816161.9	846043.4	842538.4	TRUE
673754.1	595413.9	511974.5	667660.3	595854.8	604347.7	638973.8	631220.7	TRUE
990841.2	886919.1	837374.9	1058356	1053185	965659.5	1001192	1105920	TRUE
133453	133248.6	100242.7	111732.7	137687.2	116368.9	116283.2	133885.5	TRUE
707579.5	600807.3	575467.3	659136.4	730074	627204.2	688851.9	747701.3	TRUE
234584.4	219941.4	225271	216742.2	254714	203563.9	244718.4	244586.9	TRUE
1457035	1543427	1341200	1615884	1615048	1430011	1543158	1727451	TRUE
97435	102137.1	86558.1	95252.5	109642.4	84024.7	95555.2	97373	TRUE
221201.3	197573.2	259326.5	232146.8	196537.8	283950.3	233716.3	213371.9	TRUE
100832.6	110269.7	128287.9	102531.1	124900.5	97790.7	92861.8	80720.9	TRUE
105371.8	321274.9	159691.3	243279.7	317959.2	75990.7	41360.3	61966.4	TRUE
78181.8	71817.7	66944.7	67481.9	74947.3	92548.8	84330.7	87771.5	TRUE
112370.4	326250.8	241211	403609.3	555912.7	74215.9	53276.1	77772.5	TRUE
104652.8	62183.7	88811.3	72886	50378.9	65455.4	94707.8	79563.6	TRUE
132191	145371.2	119337.9	143261.2	124608.5	130096.3	146514.2	157569.7	TRUE
382121.6	389278.9	363017.8	473948.8	442225.9	425489	496049.3	476874	TRUE
329103	380595.5	356473.7	380941	353709	337534.7	392860.5	392953.5	TRUE
2092989	2858833	1936211	1965337	2107757	1863939	2856666	1841902	TRUE
6705577	6199672	6165023	6314687	5956652	6678445	6936442	6783615	TRUE
510757.4	477083.7	532568.2	555464	415259.8	508530	494693.6	508145.1	TRUE
71847.4	67461.6	52053.1	74410.2	69771.8	58951.4	68748.7	71362.1	TRUE
55368.9	47305.2	51496.4	48370.2	53695.9	49444.6	41637.8	45675.6	TRUE
152689.3	154594.4	160799.4	135927.2	162290.4	161314.7	165707.2	161994.9	TRUE
149547.1	357480.3	200106.9	257276.6	305318.7	124429.4	92982.6	106907	TRUE
117764.1	120140.2	106504.5	127289.4	112511.7	144010.1	116300.1	117626.2	TRUE
82222.6	80057	64094.7	72953.1	61124.2	70186.1	73918.5	84122.3	TRUE
459291.7	312306.3	491745.2	648535.7	718499.1	577585.8	459456.6	703507.2	TRUE
354947.1	285155.9	359616.6	457497.1	462357.6	399672	329489.7	496671.2	TRUE
364745.4	367298.9	377051.1	359496.3	367379.4	413473.8	388876.5	367173.4	TRUE

181509.4	154194.6	183715.1	224086.9	186163.7	250849.3	193098.8	172740.5	TRUE
41063.4	26843.3	28586.9	36150.1	35664.4	29258.1	38237	45813.1	TRUE
955109	928785.9	943331.3	1062202	1143753	941998.8	1156300	1140541	TRUE
1522425	1485895	1205222	1453271	1715077	1364116	1640665	1772688	TRUE
382350.8	421928.9	344703.8	376422.9	396473.1	322151.4	404571.6	479487.8	TRUE
81312.4	72964.8	86318.9	79132.3	84158.6	67380.5	77402.2	83454.7	TRUE
51153	51900.9	31128.4	58953.4	50544.6	38958.1	62236.5	63570.7	TRUE
46872.5	39290.9	48351.3	44379.5	60754.7	40049.7	62661.6	69816.8	TRUE
22800.1	25765.3	20955.7	15722.4	22169.9	28222.1	13345.3	13183.2	TRUE
56727.8	70266.9	59986.5	50445.2	65777.7	66343.9	55450	70442.2	TRUE
40978.4	34538.4	35976.4	33255.3	23799.2	25670.2	24813.5	23875	TRUE
30178.9	23407.3	22656.9	24665.3	22722.1	16387.3	29941.9	28258.8	TRUE
28132.2	34178.2	27561.3	32466.5	30734.8	23223.8	26819.8	38089.9	TRUE
156249.4	120098	182152.9	235873.6	232529.4	197942	236458.5	222185.3	TRUE
92046.2	82720.6	108215	117902.8	150736.9	131437	130727.9	138185.8	TRUE
37949.3	27446.1	40374.9	38223.8	42514.1	22265.6	30908.1	47098.7	TRUE
43739.8	157118.9	94334.9	177510.6	218104.5	27593.6	25255.7	82184.3	TRUE
36589	106710.6	48078.3	74937.5	94577.8	12124.9	7627.8	34684.3	TRUE
74882	81716.1	66407.3	89574.6	95535.1	72163.1	75905.2	108889.4	TRUE
35369.9	37685.5	34734.3	26170.6	29128.4	47240.2	57403.4	53373	TRUE
22785.2	21994.4	12098.5	7896.4	9513.6	7440.1	11150.6	12951.9	TRUE
30346.3	26846.8	25294.2	30287.7	31217.6	28845.2	37082.8	35295.1	TRUE
21878.5	32170.6	20435.6	7364.8	30445.9	20001.1	11209	26669.4	TRUE
39017.5	29685.2	71988.2	65384.9	53938.4	60248.4	55482.5	58286.2	TRUE
103609	96272.8	137544.6	146263.2	125149.6	139510.3	139924.6	135536.1	TRUE
25369.9	55140.5	33004.6	21225.8	40264.1	10523.7	7185.6	10882.1	TRUE
22819.9	17372.1	18025.2	25943.1	22378	44100.9	27818.3	33758.7	TRUE
22831.2	8588.1	31950.3	36845.8	19055.9	12479.9	20369.2	25695	TRUE
11581	14567.6	13353.1	12050.1	9934.1	12806.4	16907.6	10252.9	TRUE
96332.9	81204.8	79145.2	116063.6	94686.6	91774.1	105002.4	101948.8	TRUE
5380.4	8963.8	4949.2	5992.7	9535.3	6526.5	9538	7283	TRUE
117059	102114.2	110834.6	108380.6	123237.3	97408	106049.1	98657	TRUE
140055.5	124437.9	103393.4	118482.8	112960.5	103111.5	114715.2	106936.7	TRUE
550804.9	487723.1	450589.7	542907.5	599903.4	474647.7	511783.4	592372	TRUE
198383.5	167054.2	183102.1	197602.6	176681.6	184253.6	184379.5	209189.3	TRUE

337629.2	317397.8	309804.3	326673.7	366063.5	313051.7	375987.4	396507.4	TRUE
334470	312240.1	331018.3	372185.4	364526.7	350190.3	372140.8	348344.7	TRUE
76084	71102.6	75976.8	80115.8	72873	72885.1	73328.7	90251.7	TRUE
83160.5	80890.9	92819	91296.3	87601.5	86377.2	82335.7	98579.2	TRUE
182919.7	146912.7	159265.2	158523.3	171638.6	192489.5	185227	164392.5	TRUE
349903.3	280726.7	277187.7	326624.2	339631.3	310399.7	315611.6	347133.9	TRUE
577958.5	522296	541420.1	580604.7	665696.8	555969.4	602165.9	651689.5	TRUE
253827.3	258649.3	282678.4	285090.1	330432.3	300707.6	323338.8	341160.6	TRUE
243776	179468.3	213996.6	228098.2	250447.8	276783.8	248647.8	258295.8	TRUE
211561.7	208379.2	244639.1	223765.8	217730.3	210984.8	209021.4	229364.3	TRUE
213956.5	191517.4	184864.7	224967.2	219477.2	178103.9	235117.1	212535.7	TRUE
642486.6	548188	477745	554020.4	615171.8	538658.4	573386.3	630186.6	TRUE
136790	168167.5	125887.3	125815.5	162787.2	138264.6	150465.7	176015.8	TRUE
281481.6	364597.5	296586.8	314679.5	304805.3	277286.3	268897.5	287642.5	TRUE
124886.5	117421.9	129785.9	129560.3	130094.4	113777.1	143371	141170.5	TRUE
162758.1	242513.7	184026.4	198339.4	215579.5	133367.9	136394	141132.5	TRUE
74172.1	94334.5	82806	86259.4	107897.5	66492.8	78743.9	65333.1	TRUE
86363.7	84702.7	103694.7	100360	130945.6	97462.2	102525.2	96149.5	TRUE
162214.3	306783.2	234590.7	366892.2	377645.4	168234.7	129529.1	173040.5	TRUE
50122.4	75213.3	67568.8	65846.4	80118.8	52191.4	59603.4	51324.7	TRUE
63902.6	63376.8	77874.7	78847.8	75337.5	70034.2	64508.8	75470.3	TRUE
67192.4	55322.5	42876.4	58256.2	63646	71965.7	75095.9	76350.9	TRUE
80287.8	59054.4	55781.2	43804	58535	83685.1	69565.6	89245.2	TRUE
434581.6	388505.8	451647.6	404707.1	575342.8	409430	445208	416096.8	TRUE
281626.2	312346.3	316104.2	314785.2	306566.3	319894.3	351327	309267.1	TRUE
132251.7	177675.7	206325.5	212631.6	167315.5	196897.2	219040.8	178731.6	TRUE
911995.4	891753.8	1219436	1306196	1215174	1279189	1307763	1310603	TRUE
271624.5	256557.4	332974	354385.6	345971.4	331186.9	396669.5	417379.4	TRUE
61066.5	124355.4	101582.4	179841.1	170356.6	40654.7	46437	60860.2	TRUE
66831.2	81164.4	83455.4	104807.4	75846	120312.9	94314	106848	TRUE
31327.6	22313.8	15470.3	10288.5	11640.2	44801.2	13849.1	18363.1	TRUE
162246.9	173860.9	144289.9	142497.3	138602	169067.2	163988.3	164781.1	TRUE
144463	114921.2	93079.3	103825.1	87573.3	111994.6	141678.5	128483.7	TRUE
58246.7	54687.3	67147	76259.4	60912.4	69640.4	66713.8	49780.6	TRUE
589095.3	578793.3	533473.6	565570.1	601633.6	556043.9	614344.5	626542.9	TRUE
1633143	1350599	1392387	1600164	1656067	1370618	1658579	1635102	TRUE
183551.3	184611.2	172649.6	214823.1	218152.7	159005.3	195819.7	174063.6	TRUE
5729041	4965931	4801976	5587120	5894393	4700893	5468987	5985796	TRUE
92290.1	100201.6	100760	78825.6	106093.3	96006.8	92905.4	104351.4	TRUE
83037.9	85418.3	101994.7	81250.1	91264.9	66565.6	80912.2	73582	TRUE
5596720	5028219	4727775	5286723	5621722	4868825	5368421	5931665	TRUE
131243.8	152125.1	124152.5	124083.8	124193	153667.2	142514.7	111382.4	TRUE
274188.2	241205.1	269478.4	290937.8	256524.2	258951.5	265103.1	262331.2	TRUE
349868.3	354741.8	360081.3	387435.8	370196	334975.9	348104.8	337966.8	TRUE
179554.1	150682.2	223480	216628.1	215536.9	181193.5	195723.4	179304.4	TRUE
70511.8	98169.9	79539.1	89246.9	84831.5	45762.4	68511.6	71109.8	TRUE
2334044	2253493	2224439	2119890	2225036	2295227	2026353	2178502	TRUE

1517040	1334911	1427143	1511996	1591261	1320197	1325124	1317670	TRUE
15270603	15284268	15110107	15074888	13809309	15695487	15181252	16985339	TRUE
1045351	924038.2	970158.9	928051.7	893729.7	1018006	998992.2	1020975	TRUE
2449161	2324690	2330269	2317619	2187176	2498342	2362885	2342022	TRUE
208837.1	171910.8	213138.2	272755.4	195503.5	363971.8	234659.4	242124	TRUE
394465.3	371113.7	368060.9	390156	517182.5	406177	400462.6	466788	TRUE
7144663	7393731	5774837	9778754	10642849	5559196	7605481	11190042	TRUE
225712.1	203671.7	207593.3	346237.7	414939	209694.2	280712.1	413605.4	TRUE
4097189	5531503	3640222	4132811	3233220	5323530	5907424	5273759	TRUE
332650.3	282846.1	301442.8	462270.6	365463.5	317320.4	348027.2	374775	TRUE
152966.9	171645.2	201337.7	267189.1	217658.4	219688.2	168470	213565.2	TRUE
123961.5	113068	127804.5	139464.9	138661.3	130579.6	123195	140051.2	TRUE
244640.4	182545.5	217827.4	286256.1	311213.6	241762.6	240143.8	328567.7	TRUE
351600.9	341407.6	374422.3	385397.5	346085.8	469726.7	338900.7	464407.4	TRUE
132475.6	115782.8	110792.7	110170.9	121917.5	145395.4	138210.8	125988.3	TRUE
62892.5	65512.4	45515.3	57152.5	45942.1	53017.6	71232.5	54531.8	TRUE
759974.9	676087.2	657562.5	762804.4	792877.3	711880.9	770351.4	828638.5	TRUE
581854.2	521243.1	475414.8	550754.7	678386.7	559924	549071.8	654518.1	TRUE
538453.7	474251.4	500727.2	527258	589412.8	514034.5	510115.6	617131	TRUE
852293.9	678107.6	700479.7	733182.5	880347.7	754673.2	726214.2	886689.7	TRUE
839946.5	705114.2	698269.4	846468.5	924521	792334.7	747611.5	944952.7	TRUE
966190.7	809626	746268.1	875073.8	1002550	834223.2	861018	1034226	TRUE
229740.3	172782.1	192211.6	217945.5	223091.5	198262.2	179989.7	220314.4	TRUE
184553.9	155207.6	180990.5	197907.3	216070.4	182952	203588.1	240577	TRUE
49614.6	59197.5	68098.4	52242.9	46525.1	56187	52317.9	58174.4	TRUE
83769.2	149246.1	84575	148435.4	177963.4	62993.4	62689.6	51977.5	TRUE
176076	153623.2	188438.3	141768.9	199389.3	164907.6	184826	204302.9	TRUE
239402.6	185952.1	228530.7	202817.1	270835.5	228042.7	223981.9	263287.2	TRUE
1344211	1448548	1248943	1523778	1371410	1470540	1555393	1435647	TRUE
1008417	992722.6	961603.7	1038908	1035838	1020251	1112985	980516.5	TRUE
924992.4	864431.1	789710.9	862658.2	799302.5	906985	923696.1	918104.8	TRUE
921276	881486.6	792835	841223.7	872970	929836.8	908412.2	934087.4	TRUE
1198867	1179440	986831.7	1132184	1088974	1025053	1213340	1151825	TRUE
1019767	1006615	852588.1	895329.4	935426.2	946794.4	1049563	1018204	TRUE
48772.9	45828.8	38661	14541.9	46424.4	41267.3	59713.9	47843.8	TRUE
157046.7	172105.3	142541	181607.1	121700.2	137420	187298.7	123304	TRUE
103668.4	74786.1	73647.7	141455.1	138796.7	86008.6	96089.1	144714.3	TRUE
15189.9	5248.1	17512.5	30672.1	31408.2	5847.6	10197.7	23548.9	TRUE
5692.3	8937	8060.7	7153.6	7467.1	19932.3	9657.8	13335.2	TRUE
134571.9	89726.3	87897.3	122409.4	96009.4	89397	85035.7	108577.1	TRUE
56519.8	69775.3	66715.1	74858.6	84931.5	59488.2	69949.1	88735.5	TRUE
167184.9	137296	140596.9	176160.8	204893.6	140497.9	184381.3	203265	TRUE
79352.9	56167.4	62888.8	106834.5	120226.1	63429.4	104771.6	114830.5	TRUE

71370.1	53060.3	54531.5	59940.6	53425.4	66822.3	67123.5	74154.2	TRUE
32908.4	39628.1	42585.3	59884.4	62335.8	26350.2	44405.5	38706	TRUE
100483.8	96538.7	73820.6	94674.4	108947.2	100804.7	121883.5	155756	TRUE
258523.7	231890.7	208331	252441.6	230703.6	285790.8	275400.2	309464.2	TRUE
253851.1	239374.9	206845.4	221826.5	200167.2	293662.4	335631.4	290539	TRUE
45804.5	40744	27810.3	15802	31288.4	41745.2	39034.3	42604.8	TRUE
147552.7	158464	134871.3	145477	142902.6	154253.8	180652.5	184069.6	TRUE
1206959	967596.1	1047029	1032311	1232025	1055779	988372.3	1181292	TRUE
1501393	1272390	1227856	1498941	1500014	1368185	1430496	1490972	TRUE
282981.3	284268.4	353265.6	450789.8	374189.7	459264.9	402363.7	425627.4	TRUE
1986344	1699246	1336272	1683066	1767752	1438390	1545807	1902710	TRUE
3247147	2755905	3555978	4424614	4231995	3918489	3823454	4264223	TRUE
9226512	8976605	7691426	7893481	8116711	10108298	9154495	10163252	TRUE
17145.6	7749.4	4715.2	12750.5	7690.7	17061.7	8773.6	10856.1	TRUE
24064.4	10927.7	6705.1	8940.3	18777.4	16807.5	8874.9	7689.7	TRUE
1202537	1170869	1153117	1416098	1456074	1384111	1401268	1518669	TRUE
77733.5	75026.1	89117.4	80115.5	82101.5	70002	83202.1	79185.1	TRUE
213338.2	164937.5	214411.1	259501.6	262105.8	216324.1	240929.4	252679.5	TRUE
94077.8	79080.9	79182.8	118103.6	72252.8	78831.9	69887.1	89088.5	TRUE
95340.9	110389.2	87790.6	113740.7	112864	100489.2	95211.8	116551.8	TRUE
38386.1	39109.6	34568.8	37911.8	34019	30702.7	28374.7	39684.4	TRUE
30272.5	33428.2	31433.2	21117.6	38793.7	17431.7	10122.1	17155.2	TRUE
61485.6	55966	63680.8	50153.7	57881.5	42858.2	51416.1	56763.6	TRUE
9659.1	64931.7	34832.4	56919.8	84198.8	8382.7	8753.3	7921	TRUE
13369.6	27939.6	21038.6	36671.2	37903.4	5743.4	8364.7	7984.4	TRUE
28531.9	4071.7	11183.4	34819.7	22974	21509.5	12182	25442.7	TRUE
57472.5	40451.9	39531.6	67097.8	78209.6	64081.9	65396.1	93247.8	TRUE
133104.7	130057.1	82736.8	188398.3	188376.6	173752.2	166154	246695.1	TRUE
84032.6	75717.7	94712.5	94367.3	96008.2	100350.7	75562.2	87816.1	TRUE
26487.2	11112.5	6507.7	11560	19597.6	22805.1	20755.6	27153.6	TRUE
373949.9	251015.8	304404.8	591350.7	392533.1	373113.8	251918.9	396609.6	TRUE
53480	50964.4	32172.2	28059	43832.9	50277.1	51344.6	63836.1	TRUE
213540.6	98609.5	168627.6	313092.9	220074.4	174780.8	107515.8	197969.3	TRUE
189032.9	144604	165619.5	234149.6	213423.2	204694.7	139301.4	189446.8	TRUE
107326.5	71833.5	106704.1	143289.9	125805.1	127929.7	61222.2	127970.3	TRUE
372644.8	199025.7	327452.2	507705	320542.6	380023.7	222570.4	364048.9	TRUE
249248.4	126948.7	284689.7	356477.7	258116.4	277939.3	129810.7	241001.1	TRUE
52068.8	48838.2	50069.6	80681.1	67397.8	35002.1	37337.5	36638.5	TRUE
49106.8	45970.9	28497.4	15180.1	48840.7	62037.1	56923	83626.8	TRUE
873919.5	574161.7	773123.6	865261	818752.6	727155.7	740182.2	862843.3	TRUE
2609859	2079353	2241967	5942072	2445899	2231197	2294547	2543841	TRUE
387613.1	351940.7	324716.8	524848.7	364642.8	370739	402717.4	408318.1	TRUE
175696.6	188084.7	162578.7	205015.4	196665.8	141509.6	189784.7	182845.7	TRUE
139566.3	111212.7	105094.8	109967	116674	114910.6	111404.8	139079.3	TRUE
70438.9	81715.6	67410.8	92288.5	74692.2	76410.2	75413.4	86316.1	TRUE

923913.5	742761.3	1040699	1979268	1274766	1249801	1123397	1353763	TRUE
149934.1	184575.7	134208.8	175439.2	180639	130766.2	127807.9	134576.8	TRUE
134255.8	189071.8	142050	197407.7	204792.2	177155.5	127150	125616.8	TRUE
1420148	1359491	1418472	1484515	1499224	1793598	1717768	1731861	TRUE
144690.2	227438.6	199921.3	247226.7	251856.2	166387.6	167426	144247.4	TRUE
58693.8	184587.9	117378.4	190218.6	218149	51184.2	44964.3	45748.2	TRUE
634430.3	594198.9	529341.8	558366	602676.3	651403.5	602796.1	603331.4	TRUE
438812.7	473488	414150.1	394996	432624.5	422232.9	431596.2	469192.7	TRUE
148824	159802.7	115265.9	219657.6	136688.5	112594.3	149207.6	130392.7	TRUE
94746	86159.9	44283.6	116343.9	50715.4	46612.5	70916.9	64328.5	TRUE
29306.6	35794.7	29047.3	21128.1	36297	23114.7	32727.1	35533.3	TRUE
152804.1	131230.8	123338.5	191458.1	108281.3	329986.7	173924.3	330385.4	TRUE
84750.3	76160	65808	75751.9	75352.8	51528.4	99460.2	68484.9	TRUE
28544.6	51385.4	29589.8	36167.1	30657.5	29566.2	56243.5	11618.7	TRUE
33929.3	32519	33131.4	32118.2	48840.5	36500.5	35736.8	46764.5	TRUE
59080.2	59284.4	53470.4	65103.2	46405.8	30999.7	81930.2	37477.6	TRUE
32522.9	42990.7	29057.4	26433.1	29220.9	33898.4	37255.4	30085.9	TRUE
118047.9	175233.5	94334.5	131719.3	129163.7	51832.4	179949.1	74122.3	TRUE
7058038	6233305	5585473	6847245	6939066	6049347	6068852	6461214	TRUE
59173	44078.9	87068.3	60945.1	68970.4	89655.1	66576.4	76981.1	TRUE
229386.6	167409.9	133668	119048.3	149692.9	137346.7	137487.5	168935.5	TRUE
1476908	1465124	1299079	1452073	1318890	1633147	1494723	1480877	TRUE
367865.4	308178.4	282981.6	296328.2	317638	414616.6	335182.7	395335.7	TRUE
26807.1	20003.8	11484	16037.1	23651.5	24863.9	10184.8	27621.1	TRUE
72374.2	57746	52811.2	60788.9	55780.7	66463.8	61455.2	54269.8	TRUE
107319.2	131909.6	81455.9	101185.9	73902	83458.4	116543.5	79867.1	TRUE
85147.6	70293.9	74359.9	101805.7	81394.6	101759.3	108566.6	102119.3	TRUE
32821.4	27723.5	24495	24192.8	24277.9	38027.1	27928.1	37567.6	TRUE
260797.1	232439.7	175144.2	233363.5	200761.6	278265.6	276689.9	268724.7	TRUE
59937.1	48589.4	42718.4	60486.5	47849	74995.9	63799.8	74581.2	TRUE
105208.9	140202.6	124702.9	159567.2	95586.1	153816.1	147341.7	109253	TRUE
142098.3	121869.6	106819.1	126053.6	113940.2	150877.1	149079.5	117338.2	TRUE
156369	178306.5	194615.3	194847.7	255449.3	124737.9	136426.5	148827.9	TRUE

2580456	2269983	2795667	3062100	2119286	2987371	2899203	2319871	TRUE
333175	278764.3	360751.6	372492.6	269981.4	443734.9	351605.3	288925.4	TRUE
242978.8	196872.7	274005.3	234929.3	211394.7	289207.2	246280.9	212443.1	TRUE
337274.4	300254	234307	186556.8	187391	217686.8	214615.5	207975.7	TRUE
389037.6	372027.5	424123.8	438308.7	359066	445012.8	404630.9	336359.7	TRUE
486443.6	503128.6	491911.8	521238.3	420485.9	534563	461901.4	423026.8	TRUE
147400.2	117187.7	109707.1	128357.4	112879.8	126035.3	136573.7	125944.2	TRUE
925570.2	711349.8	890023.8	819944	932316.1	876133.2	779391.3	789137.6	TRUE
1530244	1208685	1472928	1520412	1407812	1538931	1225505	1431875	TRUE
988218.2	876013.5	1157341	993831.1	721935.5	1197678	875199	722217.6	TRUE
224563.4	194494.8	249465.7	178461.1	159590.4	245189	203065.1	198129.3	TRUE
480707.4	282388.7	426895.1	449878.7	547873.4	403153.6	320226.7	388552.9	TRUE
144739.5	90105	120298	122006.9	166870.6	128696.2	89734.6	151270.9	TRUE
29278.7	25447.6	45850.2	20694.3	42193.4	19361.7	31046.6	24821.5	TRUE
63697.7	38469.5	38072.1	60869.7	43945.9	70999.8	63919.6	74214.1	TRUE
361718	286681.2	342530	279270.5	208852.2	527918.5	390218.1	299887.1	TRUE
139175.1	82324.8	120608.4	131086.1	109839.5	127935.1	121348.2	155278.5	TRUE
627901.4	390734.1	616695.9	644070.7	909353.3	587121.3	534792.8	663353.3	TRUE
53980.1	50075.1	56624.1	54413.6	52727.4	55797.9	61989.7	52668.2	TRUE
28721.8	30190.2	24395.9	44835.5	37482.1	34827.5	29785.5	23238	TRUE
176851.9	164058.1	157540.6	164785.7	159284.5	196822.1	196827.1	157872.8	TRUE
82540.4	93283.7	80706.6	110294.6	78296.7	96836.5	84148.7	70630.3	TRUE
121031.4	127368.6	112031.5	109095	111633.5	124108.8	105132.8	76302.1	TRUE
22379.1	13833.5	11811.8	17460	32253.2	11915.2	18928.9	11623.7	TRUE
86896.1	58682.7	84750	54204.9	77263.3	79039.5	65364.3	62500.5	TRUE
452907.4	395987.8	484385	474313.3	390067.9	475101	449483.2	353147.1	TRUE
497457.2	481704	592284.2	667098	699030	582713.1	547762	572614.9	TRUE
44500	43080.5	61169.8	64425.9	78651.3	87609.6	57061.4	77563.2	TRUE
28659.7	23698.1	48430	31841.1	37794.7	42487.7	23565.9	35789.5	TRUE
43810.6	43770.1	50502.5	51138.3	37856.1	60322.1	33067.7	38828.4	TRUE
49909.7	40829.4	34696.7	47899.2	30373.5	67441.9	55958.5	55996.4	TRUE
74329	99801.4	168540.2	88389.1	60725.6	85522.3	58861.4	65617.4	TRUE
44789.7	33915.2	68551.1	64917.4	49355.6	118660.7	61573	78616.3	TRUE
69349.1	45515.6	88718.9	69031.8	82364.3	116723.6	99162.5	75371.4	TRUE
48475.5	38338.3	50053.6	53192.9	43963.3	46709.5	54921.6	40704.3	TRUE
21319.8	28926	32569.8	10080.4	30207.4	18739.5	12314.7	6060.6	TRUE
55416.5	63320.8	46644.9	67103.9	55332.8	59927.5	72934.4	70383	TRUE
38101	31563.3	36694.8	56398.5	42072.6	53917.3	53158.3	45858.5	TRUE

79646.9	76636.2	90190.2	83490.8	92153.1	103415.5	90580.3	96590	TRUE
132999	120544.5	157601.4	166806.7	142392	167668.8	165969.8	151011.1	TRUE
1107636	959650.9	1002745	1047174	921496.1	1285277	918342.8	1365450	TRUE
130369.5	113890.5	200066.4	224026	199236.8	134517.8	177040.9	223015.4	TRUE
57067.6	71201.6	91437	77895.1	63627.8	57135.9	55621.8	60335.7	TRUE
190912.1	213647.4	113991.8	171188.8	189063.1	139559.2	228679.8	200322.7	TRUE
1755047	1581055	1625044	2125689	1412645	1553677	1715092	1725376	TRUE
60044	49765.6	58102.4	50048.5	48428.2	60709.1	67338.8	68022.4	TRUE
20468.2	8667.5	6227.2	16097.6	28248.6	21271.9	16852.8	13041.6	TRUE
64456.9	69810.6	77733.7	80330.4	99428.5	75596.3	103152.3	81295.1	TRUE
83156.9	66886	63105.1	74864.6	113765.6	80433.2	94877.8	94899.7	TRUE
74697.7	75333.4	69819.1	85768.9	93787.1	89003.3	107124.4	120425.2	TRUE
31946.4	22775.3	26212.3	32651.7	40611.6	25812.6	31011.5	24971.2	TRUE
30968.1	33770.1	33935.1	36075.1	45435.1	26068.5	48148.9	42456.3	TRUE
79469.8	85968.3	87352	98253.1	84935.4	83959.5	82290.4	74096.2	TRUE
31745.1	13145.3	19655.9	9820.8	10505.7	21573.5	30923.3	17912.9	TRUE
182094.8	208773.3	178804.4	249764.5	175266.1	222099.7	236518.1	215278.1	TRUE
67640.8	84900.1	78192.6	92717.2	76291.3	72496.5	79249.5	76050.7	TRUE
29633.7	11010	24755.5	50741.3	25063.8	33200.2	56691.8	48082.5	TRUE
518257.1	426317.2	455167.9	528535.2	539045.5	435802.9	499317.5	519794.1	TRUE
447023.9	459159.8	351176.7	420268.4	485663.8	402231.1	519225.3	490486.8	TRUE
50131.6	69790.2	62783.6	69268.3	99118	63676	45702.8	63065.2	TRUE
66821.5	41706.5	54227	68102.2	34261.7	71476.7	64004.1	59821.2	TRUE
152984.4	140196.1	120813.2	156094.8	123497.9	160764.2	172168.9	169953.1	TRUE
138138.5	141872.4	75713.3	110839.9	104377.2	98412.7	96380.9	98428.3	TRUE
33603.1	41096.4	34973	48613.5	60278.6	19559.1	23342	11029.2	TRUE
48638.1	78570.4	74434.5	81641.9	67421.7	48382.8	32682	31135.9	TRUE
98077.4	200972.3	164149.3	236338	159080.5	89741.9	60183.4	102752.3	TRUE
281747.2	277412.5	217870	263724.3	236737.5	248389.3	237357.7	242983.4	TRUE
57139.9	51032.1	46912.1	48247.6	57265.1	44866.4	50406.5	67510.7	TRUE
134665.9	99838.1	95666.8	66026.8	114631	89180.1	110474.3	137522.5	TRUE
123274.3	114915.7	100884.3	115542.1	117554.8	96571.3	126516.9	142134.9	TRUE
172434.5	183610.2	142644.1	158251.6	184654.6	140553.7	196199.9	173411.5	TRUE
81261.9	80395.3	96854	86944.6	94513.1	73869.6	95092	76258.2	TRUE
243310.9	259109.3	221522.4	251699.4	198581.1	245519.1	248692.4	262228.7	TRUE
196529.1	214663.6	193448.8	278539.4	192960.4	240187.1	228394.8	221280.3	TRUE

26488.9	28271.7	27521.9	38437.6	24166	38085.6	32594.5	29660.7	TRUE
26212	23746.2	38965.3	34763.3	29623.5	27009.7	34075.2	38408	TRUE
83810.3	67891.1	53484.8	66460.7	78371.1	59643	65553	54019.3	TRUE
75211.1	87381.3	73492.3	105848.7	120157.7	74173.5	72181.3	79446.3	TRUE
93970	145153.9	131428.1	136640.1	138621.8	111129.1	114329.6	105959.5	TRUE
62294.7	68496.6	47079.4	60460.8	59394.5	80336.1	83250	56276.8	TRUE
40339.3	36094.9	47476.3	31895.6	31557.8	44991.2	34319.5	24723	TRUE
190518.6	167110.1	158936.5	201031.5	174193.5	216986.6	212544.4	199032.1	TRUE
255340.2	250066.7	215846.2	253476.1	229787.3	278201.3	276642.2	352693.1	TRUE
140634.3	114264.3	119682.3	142278.3	125427.9	134917.2	148520.2	181918.2	TRUE
289282.5	219676.5	257464.4	312247	249772.9	304969.4	293880	306338.3	TRUE
208318.7	151096.7	184376	204525.8	162206.9	209175.4	202280.4	239423.5	TRUE
149499.1	140344.7	97815.4	138222.7	130349.4	170398.3	160000.3	183201.3	TRUE
237438.7	260187.6	281342.7	268623.1	188207.9	309198.1	232453.9	296017.8	TRUE
68999.5	82461.6	58621.1	58247.4	73466.9	43617.5	75043.8	80867.4	TRUE
91993	100854.4	87267.4	53951.5	132878.5	83186.6	104855.2	142316.3	TRUE
71626.1	92704.5	58582.9	93210.4	98121.9	51474.3	60101.4	54002	TRUE
169958.7	183851.1	139056.4	180583	159465.9	131222	169109.6	177327.8	TRUE
58885.2	45704.4	44820.9	50123.2	53506.3	44989.1	52538.3	73269	TRUE
199880.1	177948.4	139718	177843.3	194961	145370.2	193737.2	222967	TRUE
131002.3	133750.2	100533.3	119019.5	126738.7	103082.9	147150.2	158464.2	TRUE
56952.3	42121	48555.8	54225.9	42003.1	43590.3	53013	48123.8	TRUE
507715.9	495441.7	514647.6	575657	428196	500665.6	494592.3	626134.3	TRUE
500514.7	432151.9	484445	598374.9	499258.7	502844.4	500851.4	507102.4	TRUE
542380.7	537156	417636.7	532835.1	521557.1	425665.6	589740.6	562904.1	TRUE
476106.4	483437.8	570129.5	563614.3	428216.9	527221.8	488874.4	470471.6	TRUE
468759.9	424028.1	500272.1	497408.2	458683.7	489973.5	468185.4	441057.3	TRUE
46233.8	41968.3	43418.9	35450.6	35240.5	39308.6	43941.6	39998.7	TRUE
41447	45938.1	36194.5	41389.3	33295.2	51578.8	32665.4	53033.4	TRUE
54789.1	43627.3	29108.9	41892.9	41712	48017.4	51853.2	60753.4	TRUE
77394	59370.8	68131.7	74425.2	72605.5	81571	59594.3	99873.8	TRUE
1411123	931292.9	1456593	2060078	1958528	1522681	1120682	1919486	TRUE
234936.3	223862	264743.8	305247.1	312490.7	295937.3	249474.1	303746.5	TRUE
209796.4	217586.8	192026.7	187527.5	226465.1	290141.9	271180.7	256648.8	TRUE
477854.9	508025	345053.9	426835	643006.4	697718.3	595697.3	674111	TRUE
218187.8	41221.7	56967.6	65439.5	50495.9	71785.3	61005.7	64919.3	TRUE
72717.5	138278	195812.3	121825.9	126090.3	50211.5	54584	57189.3	TRUE
77116.7	57750.9	47867	48231.5	67452.2	75443	64537.2	86848	TRUE
541753.8	508143.2	320604.3	356694.6	587532.6	585750.6	562564.4	653976.8	TRUE
336030.4	369484.4	268285.9	327085.6	316664.6	421044.5	394304.6	393304.4	TRUE
58838.1	75718.3	116853.1	60184.4	68920.8	53286	72288.9	65062.3	TRUE
50683.4	61632.5	49331.6	48750.4	71711.7	47332.5	51408.6	60017.2	TRUE
481226	413877.4	448766.8	567465.9	552562.1	499070.2	443814.8	570380.1	TRUE
111885.1	66151.4	105878.5	106303.2	109594.9	111369.2	104515.8	95352	TRUE
76295.9	101300.3	62266.5	72051	82223.8	90027.5	76818.6	95373.5	TRUE
183318.8	146492	131608.8	153957.4	181769	169131.6	162833.5	171654.5	TRUE

107717.6	84847.2	88378.3	101891.8	110147.2	96787.5	97752.5	105908	TRUE
710936	369663.2	662541	619784.5	534281.5	679637.1	384560.2	581809.8	TRUE
1347444	663787.7	1845639	1710727	1381360	1868677	936736	1487952	TRUE
59272.6	63210.3	70287.8	51811.6	62219	72509.3	67863.6	67201.3	TRUE
162131.1	143647.9	180849.5	164206.6	165265.7	183996.9	139011.4	189249.7	TRUE
259431.9	145992.8	278561.5	276418.4	245278.5	301778.8	155614.6	266067.6	TRUE
174390.2	143915.2	113978.6	155838.6	179335.2	193200.9	156869.7	186835.5	TRUE
198160.1	190770.7	208373.2	240064.3	316286.9	290875.4	229695.7	279412.7	TRUE
227648.6	113913.9	183416.2	223583.4	197286.8	282613.3	143082.6	252600.6	TRUE
35358.5	7021.3	24807.7	38167.6	28825.2	52658.6	32207.5	37864.3	TRUE
84012.5	62260	62102.5	81994.9	68454.1	111638.9	70821.4	95202.7	TRUE
78825.4	59107.7	68634.5	46322.1	85357.9	88460.1	77422.2	105957.4	TRUE
46454.5	24455.6	12583.5	12245.4	34999.1	34294.3	39334.7	43050.4	TRUE
454938.9	369012.4	560881.1	572319.1	471515.9	560921.8	374987.7	446479.5	TRUE
544574.3	545919.6	416473	403882.3	695206.2	510746.5	527267.7	478764	TRUE
2289378	2080653	1451355	1580658	2724797	2624170	2188952	2480815	TRUE
121050.3	64723.2	132596.4	139519.8	112124.2	116757.3	68468.7	112774.4	TRUE
24956.7	28617.1	17839.2	30385.4	29087.3	33946.3	43802	30625.6	TRUE
404526	390068.2	167978	202239.3	389118.5	325848.2	364588.3	366679.1	TRUE
452205.3	353568.6	402073.5	417103.6	392033.9	433363.4	379821.4	393369.6	TRUE
69199.3	61841.8	82817.6	85384.5	65657.7	86066.4	64567.4	78975.5	TRUE
75936.1	41004	88322.9	82636.1	74746.8	116862.1	67493.5	103097.1	TRUE
156158.4	103688.7	228250.9	232124.3	206441.8	234636.2	153595.9	214870.4	TRUE
113182.1	77478.6	143073.7	180860.5	138626.2	152235.7	103469.9	148383.6	TRUE
36062.6	57197.9	53785.7	63165.4	58514.8	27041.2	31448.6	36670	TRUE
129120.2	110454.9	99739.2	107105.1	193476	142993.2	132965.2	132917.3	TRUE
63518.1	44969	47536.4	62795.5	55920.8	85339.1	65418	79357	TRUE
80837.7	53713.7	63194	76207	73643.5	83487.4	55310.1	97318.1	TRUE
112228.4	63919.6	88577	133868.4	99377.2	167660	96668.7	145734.4	TRUE
17868.3	8399.7	19196.1	29029.1	25465.4	36407.7	8771.8	27062.6	TRUE
132491	167921.7	137236.9	146337.8	155035.2	123933.9	128199.9	127737.7	TRUE
106041.3	140352.3	98519.4	128312.9	122889.1	116199.4	106415.7	150582.1	TRUE
25819.6	24545.1	7318.2	11691.9	17283.7	12450.6	24750.9	25502.1	TRUE
87669.6	66642.9	35678.8	46606.1	93048.5	113058.7	106903.6	102108.2	TRUE
38880.1	28645.2	35047.8	43814.1	40638.8	47957.2	41920.6	51530.3	TRUE
91922.8	96405.3	103310.6	142025.3	98612.7	118429.9	90881.2	101506	TRUE
46692.9	32930.3	43419.1	76503.7	41468.7	53016.4	38437.9	38258.7	TRUE
32781.1	39900.6	45153.4	39138.9	40040	42771.7	34202.9	44512.8	TRUE
105297.2	63630.7	143175.6	103336.4	104504.4	138021.5	87300.1	109025.6	TRUE
56994.4	49586.9	61741.6	63123.6	57855.6	64476.6	58475.9	48741.9	TRUE
138859.8	133376	83836.6	103874.4	148419.5	143230.7	144199.8	149128.3	TRUE
40353.8	45090.4	35660.9	52975.4	36204.2	35943.6	43816.3	34470.9	TRUE
62059.8	72143.6	73170.9	74858.3	70292.3	56519.4	87038.3	64827	TRUE
77993.1	105540.8	63383.1	109069.9	70682	81579.2	89485.8	60753.7	TRUE
52921.6	80284	56054.6	53403.7	57433.3	56084	70769.5	65442.1	TRUE

20661.5	22271.5	12940.3	36930.5	21273.5	23254.4	25149.2	31398.8	TRUE
2340688	3043993	1740793	1802735	2493007	1834727	3090058	2080687	TRUE
419551.3	409777.5	465824.4	460378.6	388466.3	435026.1	478457.2	387953.4	TRUE
159468.8	127787.6	186711.9	191990.2	156560.7	168339.3	172936.1	156447.6	TRUE
663431.6	492037.3	673273.1	588911	600834.6	718259.9	512742.4	664352.6	TRUE
1630925	1227133	1784628	1710933	1576545	1699536	1328505	1715296	TRUE
102468.4	131186	167900.6	128356.2	145044	87365.9	79860	78696.1	TRUE
99434.4	49124.2	113556.4	148006.1	51399.5	221344.4	94837.9	226699.7	TRUE
71911.6	64447.8	57045.8	82909.9	77369.5	72853.9	106649	71722.1	TRUE
139146.5	156597.1	137085.7	147309.4	159019.1	139323.5	195866.5	152660.5	TRUE
19946.2	13979.6	9103.5	42468.9	30546.5	21032.9	37777	28496.6	TRUE
96469.5	115313.7	90124.5	105595	95994.1	88297	124912	92808.4	TRUE
154970.3	281243.4	229891.2	272526.3	317298.5	101668.9	109766.9	123216.5	TRUE
50919.2	51014.9	29573.9	35960.1	35675.9	42594.1	45167.4	44623.1	TRUE

141552.8	124993.6	96199.2	130660	164182.4	129587.3	103360.1	149486.2	TRUE
1005026	736845.5	988417.7	992748.7	817089.1	1045847	753486.1	1078874	TRUE
887600	735810.2	954444.6	974993.9	841094.7	1257977	871429.3	1163041	TRUE
139173.9	150318.1	168326.7	137531.4	116403.5	153818.9	163784.4	131784.1	TRUE
50533.3	41382.8	42681.2	44779.4	42865.3	48150.5	44797	37709.3	TRUE
32830	26098.8	32075.7	13314.2	26296.8	41667.1	30272.8	26877.1	TRUE
288692.5	272939.2	250398.6	266623.5	276970.2	275749.4	309497.3	257976.3	TRUE
121264.6	91389.8	154235	183603	115258.8	186940.9	134263.4	132497.8	TRUE
414378.4	402654	373163.7	424053.1	318089.2	398368.2	380651.3	338471	TRUE
503396.2	511182.1	500032.4	513126.2	579293.9	518128	563028.9	628679.7	TRUE
468981.7	442524	423390.9	539613.3	440516.7	475523.7	468999.2	415950.2	TRUE
937630.8	851047.4	986130.5	1093370	971852.5	950817	895812.9	945001.9	TRUE
1192310	897887.2	1178115	1251477	1427964	1258157	985495.4	1378371	TRUE
64227.5	45396.2	64344.6	38150.8	66395.1	63950.4	69498.5	57342.8	TRUE
268159.3	153457.8	387279.8	273030.7	278626.2	565842.9	323177.8	260438	TRUE
321565.9	198678.9	279101.8	376210.9	267917.7	551479.1	305384.5	549727.7	TRUE
502190	520871.2	506123.5	347327.6	436111.5	488751.9	513530.1	444113.6	TRUE
376091.7	306931.4	383943.5	366191.2	376409.3	331518.7	399351.6	332571.5	TRUE
677361.9	664555.6	562750.4	621720.9	586499.5	561077.2	607693.5	563621.2	TRUE
442679.1	403774.1	468739	482333.6	479720.6	466784.6	442089.5	451200.7	TRUE
509834.5	444612.4	453537.8	528192.8	527911.4	490389.5	440208.1	486509.4	TRUE
38490.2	24843	34167.6	31437.4	27325.9	40555	29651.5	41553	TRUE

281866.6	265322.1	243252.7	277578.1	232914.5	299420.7	287693.2	263213.4	TRUE
199895.4	215166.8	166237.5	190723.3	118796.6	245810.7	226174.8	139636.4	TRUE
60075.1	67460.4	68801.5	91685.7	60201.9	63180.2	70342.5	52661.6	TRUE
63259.5	32994.2	66678.5	45177.2	59521.8	58270.6	47203.4	48736.1	TRUE
25343.5	10886	32917.5	11606.6	17431.2	33264.3	19897.6	26819.8	TRUE

31984.4	25905.6	23128	27834.7	30963	24847.2	19957.5	19137.6	TRUE
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93186	104746.6	105431.6	142669.5	121362.7	100101.7	114675.1	113082.9	TRUE
15933.5	9586.6	12191.4	24431.8	16986.6	6500.3	17421.4	10505.4	TRUE
65614.2	84830.1	67446.9	53012.4	56518.2	72729.9	75762.2	64870.8	TRUE
93007.9	94292.2	65888.5	116256.5	92315.8	78914.3	80629.9	97137.6	TRUE
93952	129755.7	131408.9	122968.7	109847.2	105417.6	115126.7	115022.8	TRUE
107075	90948.1	72668.3	100131	118535.5	88543.4	105930.9	127069	TRUE
80453.9	85174.6	75497.1	102272.5	103642.8	105949	80026.5	124223.5	TRUE
186518.8	203639.5	150767.3	186071.1	180899.8	161634.7	195134.8	207003.5	TRUE
117127.7	116092.3	99265.9	96105.4	115397.7	102075.5	119184	101480.6	TRUE
80800.1	74625.4	68032.9	92986.7	56607.1	60155	76505.5	63406.2	TRUE
133707.6	140727.1	161406	212030.5	166094.6	172098.1	188781.3	191239.1	TRUE
72700.2	61536.1	73817.4	62078.8	92165.5	94712.6	88283.7	103866.2	TRUE
88279.1	64472.1	76920.3	99812.6	69026.8	68331.7	76648.6	79864.1	TRUE
84180	77838.3	90135.1	67846	70610.7	65080.8	76729.6	78955.1	TRUE
38196.5	34468.8	37434.7	28582.2	35394.3	55452.8	32288.6	58219.3	TRUE
64960.4	51833.5	41045.8	49187.3	49079.5	78907.1	52435.9	78719.2	TRUE
60005.9	67674.6	48890.6	54180.2	64064.6	68884.8	61362.9	74354.5	TRUE
115933.6	138430.3	128200.1	117609	113297.8	134702.3	147909.7	124650.4	TRUE
199324.9	267643.3	142476.6	215472.3	207323.2	152428.8	296483.9	165081.3	TRUE
174324.9	175799.9	170175.5	193823.1	144009.9	175951.9	171015.4	177153.5	TRUE
156632.2	180067.9	196243.5	150891.1	142878.1	226946.3	170368.8	166872.6	TRUE
213110.1	171236.2	154401.7	181189.6	165388.1	228919.4	235977	264071.3	TRUE
353681.5	227997.7	284134.3	330657.3	380003	332273.1	311546.9	355986.6	TRUE
218551.2	255035.7	257229.4	189466.8	224374.1	208503.5	240365.7	240686.2	TRUE
474168.9	450575.2	615782.9	524846.9	474751.4	431683.2	418497	424385.6	TRUE
889394	833497.4	948910.2	951235.9	838148.8	855631.5	952626.4	815225.7	TRUE
100079.9	95955.5	135544.6	98436.8	145168.4	136886.5	112010.1	141006.1	TRUE
443587.8	437485.4	417398.2	383114.8	390788.5	419830.6	433740	425190.9	TRUE
124616.2	137756.6	140649.2	125569.8	125221.8	117670.3	121422.6	119036.8	TRUE
274039.1	279170.3	255444	268037.5	322394.1	223628.9	222000.5	201593.9	TRUE
179568.6	180404.2	153154.5	184074	177177.3	238453.8	220784.6	278390.7	TRUE
477318.1	418501.3	344038.7	455068.3	541690.3	503040.4	447008.1	528126.8	TRUE
152808.4	151038.2	150021.1	190329.3	181260.7	379511.1	186112.9	119160.9	TRUE
71631.8	73918.3	66728.6	59479.1	67549.7	47548.6	61530.6	66127.8	TRUE
38620.3	34480.9	42937	40576.7	35809.4	30110.1	25913.1	29723.4	TRUE
758703.4	678362.7	692300.3	677638	851395.6	753983.6	652595.2	704387.6	TRUE
24725.2	21248.8	23295.6	30789.1	24174	21261.7	28623.6	27156.1	TRUE
63548.3	78642.4	81963.2	81741.8	45537.2	76161.1	63455.3	55981.1	TRUE
157103.5	131145.7	189807.6	148081.2	161456.8	161647.4	157217	132874.4	TRUE
540668.6	416864.9	613657	385484.7	424966.1	623773.6	398820.3	449854.5	TRUE
1333076	1385052	1708801	1525841	1542359	2060933	1631712	1693873	TRUE
152201.3	367551.3	294751.1	332047.7	427574	108837.7	87863	103214.4	TRUE
54853.4	106381.7	74839.5	79672	98373.7	30476	41776.4	20135.5	TRUE

98393.2	165282.3	149597.3	174559.9	238123.9	82303.9	64886.4	71302.4	TRUE
153847.9	190221.1	154329.6	158794.4	159539.7	143311	194987.6	204923	TRUE
2449161	3010368	2665833	2887945	1746545	2467281	2923990	2535658	TRUE
120977.2	97744.4	138145.8	182103.1	132269.8	143959.5	125111.8	153200.3	TRUE
59757.2	50908.1	49383.8	66561.8	74568.4	75697.4	43069.3	67610.7	TRUE
24693.9	44368.9	62409.2	53521.4	60893.1	20015.4	10042.8	13023.9	TRUE
28966.2	26430.9	24633	28062.8	29767.9	15133.3	23477.4	29015.1	TRUE
102555.4	101026.2	74594.3	101534.5	104387.8	106191	123900.3	145826.2	TRUE
164047.7	136569	130264.7	149424.5	220357.1	146095.5	157875	205927.3	TRUE
262510.4	284672.5	263908.2	258644.6	244601.5	289611.1	322500.1	344964.2	TRUE
617929.3	536729.8	474952.6	656951.3	650139.5	526477.4	569858.4	692987.4	TRUE
775761.9	876773	722648.5	686727.1	746887.9	816403.9	899850	899337.7	TRUE
117866.5	80238.7	108605.5	128921.8	108877	102390.5	105699.5	133853	TRUE
85248.9	65125.1	70059.4	96630.5	87565.2	73413.7	63972.6	78946.5	TRUE
507053.3	808906.8	416968.7	358492.2	419267.7	449041.4	437090.5	489157.7	TRUE
492319.2	332662.4	351277.4	434787.2	422394.3	386274.3	330924.5	401812.8	TRUE
1939907	1547370	1581790	1957949	1885002	1658770	1557771	1987187	TRUE
148288.6	127767.3	147520.3	162361.8	174026.2	141645.9	158328.1	185339.3	TRUE
180437.9	187349.1	168122	211692.7	222473.4	180460.4	198403.1	219251.6	TRUE
281533.3	290909.6	259355.4	258634.2	292089.8	284672.8	263912.4	329835.8	TRUE
44126.4	45881.8	59045.2	35139.5	42413.9	13726.1	11175	8895.8	TRUE
1210491	1176937	925346.8	1056108	1244947	1370303	1270619	1442599	TRUE
1654384	1629166	1442511	1449632	1779253	1930413	1816150	2031545	TRUE
338057.8	342160.9	283106.3	283912.8	308801.8	350991.8	327119.1	336768.7	TRUE
260427.8	297908.1	272092.6	260384.2	261034.5	296592.9	291255.7	308327.2	TRUE
44212.7	69842.7	37290.3	91564.7	68034.8	35410.2	31654.9	43256.4	TRUE
382533	335349.3	424547.6	443638.3	383463.5	372214.6	311375.9	351608	TRUE
516662.4	512026.2	479982	498720.1	540717.6	637386.4	557460.3	644484.7	TRUE
10239.1	11885.6	22928.2	15649.2	8809.4	27660.2	11086.9	12258.1	TRUE
32625.9	34151.3	36290.5	47641.4	31860.1	36784.9	28120.6	27944.4	TRUE
34275.4	15008	19033.2	38670.5	21919.1	34387.8	14195.5	14178.6	TRUE
966345.1	744666.8	878272.7	1056937	950135	1008355	848501.3	1022593	TRUE
3421712	3063461	3034649	2790726	3397968	3756371	3203999	3660025	TRUE
1315506	1049971	1153622	1467840	1327748	1283936	1085733	1250756	TRUE
54554.2	82263.4	53540.3	83079.4	76267.3	32720.8	43781.9	31449.3	TRUE
84368	81609.7	88912.1	100359.7	86951.8	92245	76003.8	93668	TRUE
1257276	1167446	1098856	1124760	1300519	1414505	1214170	1380493	TRUE
10286.6	28796.3	19168.8	29039.8	35622.2	26523.7	12743.7	24967.5	TRUE
46494.8	38519.5	32192.5	47967.1	38862.9	62056.3	56387.2	79284.5	TRUE
19717.1	9477	26291.1	8829.8	8562.4	10592.5	10154.2	29389.7	TRUE

48825.3	39798.9	45462.1	36673.3	30607.3	38506.8	44123.9	40547.3	TRUE
79266.3	125450.4	79470.8	96192.9	60923.1	100720.3	101294.5	72762.7	TRUE
73678.8	76859.9	98071.3	82117.8	74219.3	96753.9	90684.8	96628.6	TRUE
2025265	1955409	1996303	2009690	1896246	990515.4	1983665	1095145	TRUE
387512.3	483241.7	224769.1	306400.7	368496.3	259436.7	410261.7	342631.9	TRUE
456992.2	495645.7	369096.6	565364.6	591237.4	358574.9	661290.2	511051.5	TRUE
177575.2	176058.5	146963.8	149500.1	190166.6	142683.2	223606.5	197595.1	TRUE
70023.7	116117.9	49950.7	82366.3	103735.2	62401.2	119765	107351.8	TRUE
69659.2	126406	78112	83866.4	104208.5	65517.2	115209.8	89247.1	TRUE
43326.7	72669.8	33572.2	52150.5	62090	37824.7	64628.3	65448.2	TRUE
291297.7	438197.8	230002.5	336392.9	414409.7	238561.4	417210.5	373580.1	TRUE
212790.6	226179	270284.2	355298.6	205866.9	224201.3	219308.9	282805.3	TRUE
1536034	1404645	1687457	1695014	1432983	1425680	1454265	1332371	TRUE
570171.4	483587.8	561013.9	620747.8	521153.7	542489.5	552936.6	567451	TRUE
244071.2	215856.2	103318.1	208614	224982.9	183911.1	335422.6	311698.3	TRUE
2531985	2468311	1516344	2429983	1796076	1027316	1267077	1223453	TRUE
228219	206155.6	215900	288911.3	184284.7	190022.9	240261.1	240357	TRUE
338977.7	325293.7	241745.9	250833.4	319395	266011.1	382198.4	372211	TRUE
113616.3	99684.5	101007.8	134781.6	96518.6	96922.8	106073.7	95323.1	TRUE
191308.2	141929.7	155077.7	197758.5	137810.8	187541	200633	187856.7	TRUE
70943	58313.4	62599.1	58430.6	86350	61590	64585.9	74719	TRUE
85082	80535	109860.3	106590	103709.6	123347.6	126548.2	126896.6	TRUE
111450.9	127003.1	111634.5	159935.5	153732.1	125540.3	189056.5	164629.3	TRUE
269385.1	255170.4	312780.8	359597.8	385474.1	300733	358512.8	338001.7	TRUE
65305.7	63120.9	75131	94813.8	92166.9	67805.1	78915.9	84164.5	TRUE
42582.5	33005.3	45457.1	68160.7	90451.4	60284.1	83217.9	74724.9	TRUE
304418.1	327025.2	272685.8	287128	339835.2	332258.3	336339.4	329284.7	TRUE
137835.3	126787.2	82208	107097.7	92212.7	89405.4	136347.2	116615.5	TRUE
200259.9	177136.3	148519.7	177816.1	194581.4	150068.9	197723.2	206631.9	TRUE
489232.2	491372.9	397134.5	447888.9	494254.8	372783	478219.5	512340.5	TRUE
280497.6	291879.9	301381.1	330111.6	264064.1	282810.2	308695.7	325159.1	TRUE
204656.3	227921.6	157058.1	209868	191069.7	185784.2	210261.1	191945	TRUE
53110.6	143171.3	81458.1	116767	135495.6	53649	53057	63211.5	TRUE
302932.2	290409.3	298878.3	346290.3	229641	276393.6	299863.5	316370.1	TRUE
2108272	1940648	2055735	2037775	1652342	1901427	1971275	1819171	TRUE
105995.2	104367	77134.3	97591.6	107458.9	74069.5	117957.5	120037.4	TRUE

20828	24879.9	16413.6	26323.6	22793.8	20728.3	16266.9	20900.1	TRUE
180008.2	188637.9	202244.8	158380.8	185700.7	190859.7	183369.3	189430.5	TRUE
1037563	1082178	1183095	1135931	887865.5	925515	1068826	1002132	TRUE
113702.1	100368	84487	104085.5	102654.2	135261.8	127926.7	130974.1	TRUE
35370.4	12245.6	34235.5	32382.9	32391.5	39795.7	41872.7	51251.2	TRUE
275572.5	251371.5	225424.6	293261.8	242342.3	267432.7	299000.3	335163.1	TRUE
45867.6	44694.2	35500.5	51317.7	48981	53986.3	46637.5	66576.1	TRUE
86381.4	108693.7	55150.5	90053	102665	55914.9	110468.2	101586.2	TRUE
317410.3	329166.7	276606.2	222976.4	243704.5	240325.5	248926.6	289238.5	TRUE
284560.6	246864.9	306828.9	306474.6	373658.1	283267.4	308879.9	345425.8	TRUE
179832.2	211016	154641.6	202833	233601	166218.8	202337.3	229401.1	TRUE
135980.3	139114.7	121355.6	144887.1	177102.9	143264.4	149515.2	155677	TRUE
84708.5	96941.1	93893.9	101744.6	111484.5	74306.7	88932	103869.7	TRUE
284178.5	283565.5	328655.2	328827	284497	280152.5	324374	235239.5	TRUE
173190.5	171280.5	168820.8	155875.2	121091.9	122083	207105.2	142627	TRUE
192514	203459.3	202817.3	174903.7	183302.2	172027.8	173169.3	200807.1	TRUE
18049.5	25751.5	19177.4	22899.8	23249.9	9464.9	25806.8	22441.6	TRUE
48043.4	32598.7	42421.7	41676	38828.4	41168.6	43594	34250.2	TRUE
56139	41210.3	43284.1	74008.1	54768.1	63742.3	84182.1	72240.4	TRUE
388895	420121.8	424289.5	533120.7	574753.1	461871.2	560091.9	593019.6	TRUE
36373.6	42061.4	28022	34674.7	42472.7	42580	46056.1	43619.7	TRUE
70043.4	66444.5	55084.8	69781.4	59609.1	90971.6	92026.3	73261.5	TRUE
243020.9	249197.1	184040	234239.9	260196.1	186289.4	247088.9	225238.3	TRUE
123173.1	128862.1	122379.2	145992.5	146823.7	138585.6	161147.7	156658.9	TRUE
781724.5	819292	729307.2	933282.2	1031593	839897.7	1034555	1037217	TRUE
164592.3	197625.9	155533.7	199005.3	150448.6	144038.1	168673.8	145683.9	TRUE
201443.9	222309.6	182435	209638.8	190231.4	180491.3	187582.3	159514.7	TRUE
219457.2	199376.4	211062.4	231948.6	177565.8	203054.8	192195.7	202743.5	TRUE
199829.8	186110.2	196232.5	219301.6	169531.2	187801.5	170079.7	210316.6	TRUE
19157.6	16229	24881.5	31271.1	33701.3	30417.1	29557.2	25267.3	TRUE
48499.5	43264.4	42338.2	47316.5	49673.8	40321.2	40955.4	53667.1	TRUE
71521.2	61039	62561	53343.1	66656	61536.2	57847.2	69457.6	TRUE
123086.2	116753.7	110791	130905.4	126023.4	121739.5	123736.5	121250.6	TRUE
180268	197271.9	187004.6	180908.3	183612	201646.5	210149.9	196952.5	TRUE
36256.8	12313.4	40380.7	58375.5	41557.3	56503.4	48473.9	41853.3	TRUE
187603.5	161845.6	170151	154728	152831	167548.1	172807.1	161379.6	TRUE
214476.8	226547.5	187261.4	178751.6	205369.6	214617.5	231993.8	218211.3	TRUE
126372.6	100701.9	97711.8	101532.6	118309.3	138286.6	152045.1	147317.6	TRUE
80617.7	84039.5	66648.2	91893.2	88203.8	96143	102805.8	119350.3	TRUE
9277.2	8083	8007.5	15301.3	15291.1	8136	18896.2	11355.8	TRUE
39026.2	53790	48955.4	47868.7	55232.4	42351.7	64427.5	52640.8	TRUE

204948	209626.3	191778.5	191697.4	157875.9	212303.6	244210.7	216877.9	TRUE
374701.5	297847.4	408316.7	460291.7	425569.8	470763.9	379546.2	438389.2	TRUE
80357.8	78012.9	35486.4	51795	86153.7	83528.3	63025.3	84072.1	TRUE
136868.3	81118.9	185526.5	139883.7	119858.9	149993.2	88579.2	112713.7	TRUE
96232.5	102145	69142.4	68301.2	123033.1	123052.6	96798.6	120872.6	TRUE
1096084	621124.4	1340233	1196484	1049433	1403829	690878.8	1054257	TRUE
111673.2	103307.3	143345.5	123315.2	130844.9	131487.5	93890.8	131854.3	TRUE
198412.3	152451.2	227610.3	182414.2	194912.1	208378.7	161038.6	206029.4	TRUE
110681.6	95615.4	139440.9	102239.4	110853.7	122670.1	99537.1	115229.6	TRUE
42742.2	56971.2	47677.8	52257.8	58496.5	61835.8	52605	51920.3	TRUE
2402101	2233055	1829794	1881286	2759341	2559988	2345854	2600505	TRUE
4268111	4062412	2491752	2680064	5427109	4747148	4106884	4770036	TRUE
49680.2	89549.4	44052.5	52476.3	77937.8	44754.9	42230.6	51915.9	TRUE
43122.4	43497.8	46698.5	52825.5	37914	48120	42333	50626.1	TRUE
265332.8	229157.7	164390.9	223405.9	268094.6	283080.8	303478.5	340241.8	TRUE
173181.8	134730.1	146324.3	161825.2	147436.3	187619.7	180688.3	168872.8	TRUE
368363.7	311842.6	318510.8	371006.2	326928.1	410991.7	358380.9	390737.4	TRUE
165952.3	135835.2	114320.2	174220.7	190640.1	160619.3	159251.2	164827.8	TRUE
186114.5	77217.6	58173.2	78376.8	276575.7	207578.9	111153.4	188106.9	TRUE
820313.5	794751.2	509397.7	550190.7	1023736	983005.2	790895.4	895139	TRUE
30389.4	4581.3	48373.8	4201.3	6369.8	81946.8	24296.8	11756.7	TRUE
253248	140244.5	275277.8	231783.9	247103.1	281896.5	146702.2	224620.1	TRUE
260327.5	196522.4	340443.3	283683.3	220666.8	325471	203152.3	232573.7	TRUE
448543.2	208553.4	525375.9	427368.2	407419.6	578645.7	265605.3	413859.5	TRUE
178644.5	152317.3	197300.3	204843.2	177039.3	180329.1	148313.1	189573.7	TRUE
42195.5	29520.1	52103.8	72612.5	46394.1	78632.1	45122.2	47275.5	TRUE
59585.8	46538.8	22366.7	11505.9	63302.5	64919.8	56959.2	81658.4	TRUE
64279.1	55039.4	56825.2	42777.2	85139.9	80580.6	48180.2	64164.5	TRUE
775593.9	680563.9	635865.5	563240.7	861597.7	927163.7	690476	755466.5	TRUE
185266.5	125144.3	215982.2	191486.3	176939	235915.7	115540.1	194947	TRUE
195254.1	185805.9	265995.4	274000.3	248139.9	270644	174604.9	210883.5	TRUE
94145.6	86535.9	112768.4	103602	87926.6	124698.4	81520.8	111589.3	TRUE
42552.2	45276.7	46663.3	67881.3	51874.8	19139.8	10101	12641.6	TRUE
170512.3	166677.1	160014.2	134247.7	220170.1	170449.5	180537.1	199184	TRUE
385336	324612.9	230108.2	246122	482276.7	452675.3	395431.9	488053.6	TRUE
49543.9	84192.4	81772.7	43797.2	90696.9	31898.6	26515	30007.5	TRUE
2164829	1519581	2412284	2415724	1948738	2626537	1515959	2098519	TRUE
347637.7	251313	470112.7	548724.8	400059.8	541540.7	318411.3	442062.3	TRUE
64755.1	97917.8	85609.6	117846.1	150490.3	45915.8	52537.9	44012.8	TRUE
132881.2	112912.1	146927	121626.1	120284.8	154108	129518.4	139911.9	TRUE
1319527	1189682	1045243	972374.9	1422082	1404573	1184943	1344177	TRUE

89881.2	77378.5	73419.5	70713.3	69793.8	93810.2	78946.9	115769.4	TRUE
187827.9	116187	116919.2	160676.6	121484	163890.6	168603.8	171848.5	TRUE
220625.2	185075.8	140573.2	209668.4	221962.6	223107.9	227027.8	267605.6	TRUE
62951.3	48497.6	61006.5	61536.4	71414	47776.4	83042.7	89767	TRUE
82707.7	84049.1	66480.6	90457	106038.8	56700.1	92590.6	106256.4	TRUE
89171.8	64928.8	74045.6	80276.9	72398.1	80142.5	90886.5	102746.1	TRUE
129847.1	93739.8	122468.2	114577.5	109560.8	161038.7	122165	145655.2	TRUE
321035.2	285788.4	272174.1	341484.4	287215	347187.7	384523.3	350698.4	TRUE
207494.7	174759.8	156429.4	184269.1	188001.6	184630.4	197222.7	204716.2	TRUE
105458.5	72108.7	70409.3	99979.3	84876.1	96096.6	97045.8	83557.5	TRUE
295730	269156.3	261846.1	324218.4	324618.1	263338.9	322143	318821.2	TRUE
45524.6	45538.6	26641.8	34750.3	47518.7	35983.2	38660.4	54970.3	TRUE
134022	137738.1	138633.3	117627	150288.4	124482.1	150207.8	141653.7	TRUE
136032.1	131535.1	137877.1	148764.9	145830.3	159391.8	144943.8	159033.8	TRUE
89942.7	86529.4	82985.9	91154.1	97827	99986.6	103350.7	104929.6	TRUE
36786.8	46749.2	43842.7	63057.1	41793.4	55476.2	47729.1	64363.9	TRUE
165533.4	133774.7	143943.4	162120.3	149536	160295	164481.2	144551.2	TRUE
205888.7	147147.8	197914.8	153502.1	169368.1	320473.8	206754.5	189835.9	TRUE
46806	50459.6	68488.6	47076.9	42803	42295.2	72363.7	39972.1	TRUE
111395.5	110406.2	160777.5	124353.1	137673.6	94075.2	77270.8	73591.5	TRUE
80567.5	118970.7	87376.4	107130.1	134514.3	64653.8	55798.2	51958.9	TRUE
57265.1	77890	88079.9	55113.4	51002.3	84224.3	77012.3	57538.6	TRUE
68328.3	73780.5	131825.8	55312.8	57827.2	210223.8	135042.5	126628.4	TRUE
75932.7	105088.1	86663.9	104749.6	105102.1	94713.8	73187.6	52232.3	TRUE
101790.6	111328.2	115676.4	129672.2	130001.8	117783.7	119434.9	107908.6	TRUE
193265.9	175518.8	185908.2	193640.7	203787.8	300492.3	247611.3	206977	TRUE
43020.2	57948.2	51643.4	56618.4	58690.9	47964.6	53803.4	53967	TRUE
70328.6	78592.5	58069.4	83036.3	75754.7	102950.6	92568.6	77927.2	TRUE
155907.3	181975.5	145454.6	172983.2	177552	147867.4	162160.3	176496.1	TRUE
169093.1	158024.1	141416.6	151411.8	185379	135565.8	160487.5	193634.5	TRUE
354028.4	355527.9	371990.2	334216.2	383338.1	339365.7	342913.2	325212	TRUE
155299.4	168051.8	148102.9	146556.4	141596.6	133634.3	165317.3	126590.9	TRUE
680793.3	636993.8	619925.8	737543.7	637010.3	663368.4	630148.3	718100.6	TRUE
70480.4	73393.7	64119.9	76434	78126.6	90489.3	85226.7	80186	TRUE
22893.5	10911.9	36913.6	11203.3	20414.6	38962.2	10070.5	24603.9	TRUE
371678.5	251167.9	476690.4	321150.3	403763.3	545443	336835.4	445579.4	TRUE
62868.6	60894.5	62252.3	55128.4	61822.4	74073	94283.6	84305.4	TRUE
75562.6	68575.4	53591.1	68179.2	72882	50502.8	73941.4	61786.2	TRUE
169783.5	129571.4	149664.4	192312.2	162278.2	129613.8	125534.5	149646.1	TRUE
72310	52674.1	64059	67845.5	83079.4	54673.8	73642	72421.4	TRUE
137063.2	109797.4	118503.8	135515.3	131977.5	124520	118456	158663.1	TRUE
163261.1	154960.5	159280.2	168784.8	152246	145281.9	187213.1	170027.1	TRUE

81642.9	61100.3	57085.7	84230.4	69715.1	75603.3	88711.8	95003.7	TRUE
80844.4	81319.5	65107.4	85382.7	79630.7	104896.2	74771.7	119755.8	TRUE
84497.6	122170.9	69769	111499.4	81929.5	97285.2	72758.9	101104.7	TRUE
279273.9	354299.3	238551.6	377037.8	253497.4	296450.1	328459.6	272168	TRUE
60579.9	51113.6	50787.2	64593.7	48522	73156.1	68232.5	61784.8	TRUE
380524.3	348382.1	327593.1	331432.3	353467.1	417150	480726.4	437654.3	TRUE
392729	408256.1	291834.5	414163.5	344062	457549.9	427115	464349.6	TRUE
30644.8	23390.3	20383	31261.8	23807.1	25012.5	26545.5	36682.1	TRUE
195469.7	162901	185714.9	228140.1	203036.6	178271.5	169915.5	212616.5	TRUE
127812.8	111725.2	102760.8	138476.5	127279.2	138500.6	145775.5	132687.1	TRUE
365602.1	313960.8	415767.9	389238.7	332806.4	645982.5	328167.6	580935.7	TRUE
97204.8	97741.3	83299.5	77627.6	100895	78575.4	113005.7	108355.4	TRUE
144950.6	159236.9	132054.2	131376.8	171847.6	149152.6	142555.1	156428.2	TRUE
71929.8	81103.5	56689.6	73110.7	43981.7	71444.3	72361.3	52007.6	TRUE
195650.1	124734.2	205143.6	160703.6	160548	144986.7	133449.3	182900.7	TRUE
81915.2	80808.8	64748.3	99516.9	74806.1	95384.3	88487.4	103732.4	TRUE
190890.4	184818.7	132996	210789.3	215077	226416.9	267462.6	318896.8	TRUE
34676.5	19083.9	30391.9	37030.1	25619.9	36069.9	24307.8	36809.2	TRUE
102966.7	83834.6	80168.8	89759.9	92145.2	119042.4	130945.9	109884.8	TRUE
24125.8	34260.5	26910.3	43431.8	31664.6	27746.4	29129.6	42189.7	TRUE
40236.4	40785	41353.8	28268.2	40166.4	36076.5	38880.2	30734.4	TRUE
88993	92052.2	91324.4	86722	102023.1	127865	107244	115860.5	TRUE
35680.6	37815.6	25655.3	7405.8	39799.1	40566	36903.3	50038.8	TRUE
224187.7	195843.8	172953	227062.4	217378.3	185150.1	231381	181523.4	TRUE
431908	421747.4	444557.1	477706.4	453760.4	449008.6	475861.7	487756.8	TRUE
71356.4	110495	68884.1	82411.7	87300.9	69778.7	88170.4	88774.8	TRUE
119876.8	123007.7	94547.6	202696.5	134944.8	130709.4	118039	153063.4	TRUE
69041.2	56253.8	64587	49370.4	80305	62035.1	63484	78138.5	TRUE
174668.9	183395.1	194261.6	194618.4	172567.7	248944.4	171619.5	231211.9	TRUE
48886.2	53528.3	53944.2	44336.5	50096.4	45756.3	54209.2	29138.9	TRUE
131686.3	152275.6	146353.5	141312.4	193143.5	188892	166617.9	168088.7	TRUE
44213.4	43806.7	41923.8	42137.8	43322.5	50342.9	33397.5	49573.8	TRUE
61712.1	85513.3	65718.6	62547.9	83007	81011.6	71601	89841.1	TRUE
103013.8	80103.2	94220.8	104776.3	91026.4	78329.1	85404.3	67613.1	TRUE
51036.5	48310	62843.1	54470.8	47257.8	52397.3	54070.6	58771.2	TRUE
44786.2	68067.7	53933.2	61420	74099.5	37658.5	98234.7	71478.4	TRUE
28232.5	13007.9	19997.5	11258.5	9143.5	15717.2	32525.7	12967	TRUE
103057.6	89323.7	108748.6	130512.9	80152	126165.7	95667.1	86878.9	TRUE
133291	133417.4	159844.2	153248	116927.5	71822.6	128238.9	80220.6	TRUE
71922.2	58606.5	92551.9	81414.8	62335.7	68463.6	85892	66792.4	TRUE
312365.4	289402.2	286781.5	390842.5	317986.1	289615.8	318085.1	323521.8	TRUE

166793.4	132578.7	172700.6	177872.3	111631.7	130647.2	151451.1	126444.2	TRUE
205307.1	167174.6	181949.2	193607	149808	221877.8	179347.1	199824	TRUE
121985.9	169012.2	121293.3	145194.9	169673.1	114073.5	154253.5	159373	TRUE
178171.3	226952.7	86444.5	116165.2	195913.8	96120.9	219610.3	175665.9	TRUE
197011.9	225649.3	165462.4	174378.2	210110	192448.8	254852.5	212692.3	TRUE
146821.7	145262.5	137052	167180.1	182070.5	144092.6	167554.9	199029.9	TRUE
146608.6	162605.3	116556.7	170181.6	163300.7	123947.6	198218	178424.7	TRUE
245126.8	254836.9	260608.3	273867.2	217672.9	244552.1	261296.4	220322.9	TRUE
325078	405805.7	456578.2	513721.3	253551.7	345181.4	431007.4	328295.5	TRUE
216757.4	257848.7	287778.4	330376.7	154089.4	237770.5	294673	212169.8	TRUE
133575	167051.7	86818.6	118319.1	137687.9	101041.7	158089.3	148119.1	TRUE
284628.5	357366.4	159130.8	230119.4	343563.4	178659.8	394254.1	314261.1	TRUE
92112.3	123235.4	41305.7	63840.5	89893.7	59098.9	141280.6	99157.7	TRUE
35855.8	20229.3	19970.2	21239.5	38894.6	20001.2	21828.5	25310.3	TRUE
150179.9	199887.4	105326	138329.3	179921.5	106200.6	200501	179237.3	TRUE
196598.1	291497.8	122518.7	171718.4	242116.9	113783.2	308399	272297.9	TRUE
842459.4	908351.7	1192150	1247286	622138	698323.3	983623.6	809331.7	TRUE
113258.1	123966.3	86506.5	92739.8	119556.5	98536.5	118798.6	115072.2	TRUE
42562.8	35009	25479.9	14365.1	47362.9	39983.2	55268	32430.2	TRUE
61327.8	103910.5	42094.2	68804.5	92872.8	57288.4	81334.6	89245.8	TRUE
140704.4	168051.1	112160	154746.2	185127.5	165846.5	182644.6	159912.8	TRUE
255495.9	294863.1	179995.4	205344	264774.1	171575.6	282280.1	270183.9	TRUE
682193.6	717885.5	764796.7	715913.2	498020.5	673811.1	688715.3	625157.2	TRUE
57326.2	61137.7	49546.7	62044.7	28096	62208.4	73552.6	64519.4	TRUE
56854.8	76968.3	22242.1	53312.7	73610.9	33854.7	83577.1	68666.4	TRUE
23589.6	44018.3	34669.2	41748.9	6687.8	17475.1	35682.6	12294.2	TRUE
213327	262243.4	125421.8	173798.1	221721.3	130782.2	251937.1	209637.1	TRUE
406712.6	455917.2	261805	373503.6	389297.7	273840.6	469148.6	461606.3	TRUE
143223.4	129792.7	116934.9	129326.6	156514.8	127115	149665.2	168961.8	TRUE
106820.2	119793.5	87637.6	89924	104745.1	96776.2	120215.4	162244.6	TRUE
68914.9	85848.7	79785.8	92578.6	56345.2	81506.8	111547.8	98198.1	TRUE
309779.1	314321.2	238867.2	326169.8	388156	235815.2	300815	352314.7	TRUE
179011.1	163605.2	148041.2	177888.8	180435	142249.7	195290.5	196811.4	TRUE
41542.8	42319.9	31976.4	58140.3	39880.7	20963.5	9130.2	21116.3	TRUE
450571.6	451594.3	456642.7	419156.8	327083.9	425897.5	492323.4	433611.6	TRUE
360175.5	360462.1	325713.6	329170.9	246488.9	314425.8	415485.6	356268.5	TRUE
2279444	2234433	1802666	2230719	2400758	1754559	2357480	2418698	TRUE
48523.4	65913.1	43034.7	47341.2	58260.6	42596.6	58653.8	54405	TRUE
24535	57481.4	20784.8	19402.7	25666	20333.1	24160	27459.9	TRUE
405009	300135.7	154929.2	285931.6	320008.4	273265.9	338527.3	426427.8	TRUE
699070.7	701108	559333	743800.5	780732.7	541192	786264.9	759618	TRUE

321812.4	330263.1	241694.3	353506.6	363812.4	252717.8	370339.9	341450.4	TRUE
718735.5	757059.4	841636.1	807413	599824.7	717098	769811.1	694993	TRUE
1520512	1758636	1752186	1729584	1155968	1604102	1783757	1604899	TRUE
99924.4	116622.6	79842.2	149251.2	93138.2	93615.6	89577	110414.5	TRUE
308710.2	298145.5	317156	245149.7	379077.6	300969.9	334187.7	395398.8	TRUE
1030008	1052558	1060637	1024370	856483.5	686176.4	1057187	732484.4	TRUE
681277	712488.5	610578.6	662491.2	559738.3	473020.6	726766.5	488874.3	TRUE
135220.2	101045	113582.5	125843.8	85282.9	161814.8	101531	147594.6	TRUE
243988.8	250139.9	175111	212852.3	276179.7	236646.9	251287	269295.5	TRUE
237311.2	265847.4	212443.3	253388	192603.2	201266.7	244939.8	204244.3	TRUE
39809.4	46823.8	6604.7	63565.8	43357.5	9875.5	58812.1	67252.8	TRUE
29570.5	10959.4	5649.4	12825.4	37091.2	10417.6	34722.9	40159.8	TRUE
75782.8	82582	56138.4	90409	112730.2	68522.6	94107	107831.4	TRUE
86555.2	63603.9	62722.5	84771.8	107297.1	73128.8	76798.3	93063	TRUE
57843.6	57511.4	35252	78101.7	51751.1	52688.8	65220.2	53892.4	TRUE
28310.2	35364.8	20694.1	38171.4	19589.1	28127.5	48165.4	33005.6	TRUE
20770.5	23901.9	21811.8	19941.1	20274.4	40100.8	39772.1	27347.9	TRUE
58745.7	23553.1	40078	48889.5	44866.2	71086.9	60973	47790.2	TRUE
309775.6	277732.3	298482.4	288845	220236.5	332975.8	374049.4	251423.3	TRUE
22039.1	38584.5	23425.7	33482.8	28235.1	28084.7	42358.3	39265.4	TRUE
125813.3	170768.1	125057.4	180771.7	168411.6	136149.4	213385.5	171805.8	TRUE
77878.3	63134	86916.2	111024.4	72347.9	73566.7	60435.3	63555.1	TRUE
187710.8	151710	229496.3	219576	165010.2	171406.3	172516.1	168932.6	TRUE
1040673	938097.4	1245640	1553262	1001709	962860.1	968845.1	1045950	TRUE
725758.5	648362.7	831740.7	851911.4	751356.8	704619.8	624773.7	743908.4	TRUE
567056.7	391647.2	586245.2	609979.5	554766.6	545878.4	415456.3	484110.8	TRUE
45162.2	12243.8	26275.2	14675.1	22958.4	39942.2	46199.3	19287.7	TRUE
307503.6	383044.7	314846.1	259699	258617.3	262633.8	296507.4	255289.8	TRUE
327676.3	261169.8	351717	412253.8	385374.4	319348.8	370354.1	279069.2	TRUE
193738.7	136989.8	147607.7	197972.1	181873.1	181755.6	181368.9	162766.7	TRUE
37164.6	37351.9	33845.6	33246.4	25525.7	35517.6	35651.7	35900	TRUE
31683.1	42716.2	36392.3	29259.5	26373.9	31796.3	32950.4	24822	TRUE
127621.5	126996.1	108783.4	110454.1	80443.7	115064.2	150688.9	95162.3	TRUE
664058.7	498690.6	739465.6	724418.4	681227.8	753379.5	511616	739252.7	TRUE
600564.3	493623.6	531874.4	518480.3	432863.3	495096.8	429637	507144.4	TRUE
32081.4	26442.4	50046	57746	59858.9	35147.3	44416	55541.6	TRUE

360124.7	422960.4	334643.2	364611.6	322536.2	354148.9	379121.9	295422.7	TRUE
244895.7	279125.7	186438.7	222424.8	186255.5	218267.4	282586.5	192705.7	TRUE
150330	148646.2	183519.7	175884.8	158257	182220.8	210448	127186.1	TRUE
48729.3	116194	42399.7	93797.6	78955.1	30036.7	28983.7	30166.3	TRUE
127102.5	128807.6	114012.8	113447.6	111193.9	126940.6	125040.8	124659	TRUE
36568.8	36363.3	37475.4	30672.5	23332.2	29517.4	28846.5	25966.7	TRUE
53554.1	58311.1	53626.8	53742.6	70772.2	58629.8	50303.4	48968.8	TRUE
93548.8	108761.4	122721	124330.4	106675.9	105586.1	109609.8	97726.6	TRUE
294922.9	215392	281962.1	315551.8	278303.1	313838.5	293544.7	313804.5	TRUE
98867.4	110120	117343.6	113391.8	110245.3	102551.3	106737.4	110366.2	TRUE
39565.3	15477.9	36903	39476.2	49558	49817.6	50291	31428.4	TRUE
324473.1	249717.8	281374.6	269439.6	186870.4	306503	287854.4	246370.3	TRUE
7654.3	12328.9	16450.1	10221.5	7588.3	17961.6	14346	7770.1	TRUE
213407.5	217368.2	210252.1	240412.3	212643.8	209329.7	225441.2	224363.3	TRUE
48709.8	49863.2	51148.4	69608.3	46013.3	48234.9	51173	44779.2	TRUE
488489.6	463017.7	525309.6	477596	480646.4	610021.2	549440.1	516550.6	TRUE
36397.1	47712.9	42508	58060.1	55204	28376.4	12544.4	10842.9	TRUE
464232.3	501134.7	612567.6	562004.5	504431.3	447383.5	532602	517053.6	TRUE
53004.3	95199.6	108104.6	81415	104645.2	47205.8	72616	43111.6	TRUE
189329.4	166687.1	159460.1	195342.9	199980.3	153679.2	203257.6	173715.2	TRUE
133505.3	130534	113570.2	128153.1	141741.1	168238.6	134257.3	154986	TRUE
19960.6	25445.5	14453	38171.8	28728.1	46033.3	29311.3	42167.4	TRUE
31611.9	27032.6	22515.1	33607.4	22308	13115.6	28142.9	35489.5	TRUE
14609.3	4785.7	17489.6	6402	18544.5	15761.4	23629.2	9841.3	TRUE
175212.4	183444.3	159020.9	187454.4	200773.8	115901.6	200481.2	140251.3	TRUE
23501.5	26070.1	17060.6	30513.7	22186.8	31396.1	15595	32032.5	TRUE
141847.7	170705.5	130061.1	157715.8	160891.3	130773.4	156350.5	150472.7	TRUE
90907.3	60273.1	63423.7	65839.3	95963	68634	76397.7	82927.8	TRUE
282543.3	292343.1	289315.6	332276	354681.4	270068.4	338852.3	346208.6	TRUE
38659.8	52536	41009.4	67961.6	58306.9	37898.2	34254.5	33443.5	TRUE
247681.9	203307.5	272666.5	251808.6	213985.2	290270.9	306965	238161.9	TRUE
292812.7	280188.3	311614.6	332196.6	296277.8	366602.5	299304.2	313097.4	TRUE
1471211	1233795	1392233	1509430	1593525	1580042	1381780	1507780	TRUE
109323.7	129422.3	156410	116539.3	133317.5	136208.7	128317.3	97894.7	TRUE
336358.8	288126.7	520576.7	293568.6	205274.7	584607.4	353106.7	254121	TRUE
386895.2	362308.5	572151.2	337262.6	301337.6	588274.1	374355.5	335797.3	TRUE
45597.1	32323.8	41023	43917.7	26752.3	64552.2	45107.4	39308	TRUE
129846.2	113810.6	132399.9	141175.8	106543.2	244874.8	188354.4	141838.3	TRUE
75409.3	67783.9	81868.4	73490.2	71440.7	115425.8	91490	74569.2	TRUE
179182	121979.2	163839.5	237264.7	258638.7	178367.2	178641.3	201218.1	TRUE
92907.1	81407.7	121955.7	105440.4	100546.2	130234	97362.8	109675.9	TRUE
38154.2	51132.3	63941.2	42164.6	40385.7	80520.5	43748.3	27404.8	TRUE

80142.1	88664	76616.9	81475.8	94352.3	94206.6	73516	104919.7	TRUE
119284.9	104281.5	138097.7	125264.6	94480.7	144688.3	110729.2	114188.9	TRUE
108484	134463.4	85389.4	158404.9	97330.4	98891.3	91752.2	92953	TRUE
10136.1	6294.5	27923.2	6104	4727	42250.3	10682.5	11620.4	TRUE
17301.3	30070	25338.1	31813.5	18838.4	14754.7	13048.4	7955.4	TRUE
38905.5	35575	40494.5	49665.4	42453.1	60544	46666.7	42930.9	TRUE
64010.6	32364.7	50698	60057.1	95022.3	67996.3	48363.9	43099.3	TRUE
83908.5	90125.5	103888.3	87258.2	69292.7	121522.1	88930	79515.5	TRUE
60357.2	48555.2	76332.2	49067.9	30079.5	82259.1	54382.8	45578.7	TRUE
141995	110883.7	161135.5	106987.8	89546	170043.5	126566.3	102607.8	TRUE
90649.4	117913	166781.6	90472.9	90859.2	166957.4	115799.9	91498.6	TRUE
86382.7	90778.5	141571	100962.4	109835.3	183018.8	99451.6	87860.4	TRUE
146606.1	137994.3	141710.2	145970.9	183880.2	126202.9	139619.2	138441.7	TRUE
252012.6	199878.5	262221.5	282134.1	318513.1	217041.6	209404.1	246130	TRUE
134376.3	130941.9	177940.6	125759.4	108902.7	172798.5	124022.1	100863.6	TRUE
251620.8	225158.1	204682.1	122332.5	206739.2	332035.9	246459.5	293276.7	TRUE
223108	214453.7	310992.4	165038.1	132456.6	304515.5	184306.3	137147.7	TRUE
316108.3	229086.1	316561.3	281555.4	583614.4	232391.3	221450.5	279653.8	TRUE
552384.8	491561	226041.1	283767.4	333523.9	239148.1	320871.2	336101.7	TRUE
188403.9	166658.1	141648	162821.2	180217.7	175436.6	149085.7	216547.6	TRUE
1259148	1110632	1095723	1287075	1448766	1139313	1347809	1360983	TRUE
545390.2	454267.8	458073.5	601168	703280.7	496454.9	582820.6	627455.7	TRUE
3239014	2612403	2847179	3583256	4176361	2814338	3175647	3704158	TRUE
8965578	7809455	6761462	9006946	10783968	7302024	7812782	10497432	TRUE
360779.9	320770.2	303918	341295.7	421259.7	314169.7	365538.7	429220.9	TRUE
240570	216099.7	205772.8	261105.2	286125.9	211106.5	229528.6	285278	TRUE
84064.8	83354.2	54624.4	88040.2	94254.2	71334.8	86448.5	79006.9	TRUE
118478.4	122646.4	145541.9	140432.2	117506.5	168364.9	123264.1	116981.8	TRUE
29124.4	24848.6	27107.1	28007.5	36582.9	28260.1	29483.4	25055.3	TRUE
48542.9	53742.6	39498.4	41932.4	53313.4	34857.4	53651.9	51770.3	TRUE
69755.5	69385.5	39127	82294.9	69646.2	46143.9	58239.8	88286.8	TRUE
28963.7	21081.6	27663.6	29450.3	31637.9	22029.6	37513.4	29489.3	TRUE
45964.6	47598	22923.4	34795.1	33607.8	35474.9	26873.5	33762.9	TRUE
47702.4	46042.9	33465.2	42804.5	47257.6	42072.4	51567.3	56595.6	TRUE
489318.4	422985.4	391269.4	536259.2	609208.3	427703.6	423445.1	573347.8	TRUE
393766.7	391538	342893.8	461999.4	565758.2	388826.2	434126.2	511238.7	TRUE
75927	819139.3	2694595	59770.8	221336.3	27608.4	28399.1	15781.4	TRUE
309263.8	315825	229275.1	327994.2	358634.6	274417.1	329813.4	363810.8	TRUE
23448.9	28131.7	41184.1	28483.6	33713.3	23054	13112.7	31073.4	TRUE
20574.5	45817.2	91584	43918.5	34278.8	24523.9	11659.6	26922.6	TRUE
11069.7	30682.8	57041.2	9439.6	13182.2	11055.2	9872.5	11192.6	TRUE
469348.7	1659376	1585336	1742589	2410576	130995.9	106053.2	197683.5	TRUE
355441	1280546	1152812	1057669	1564406	100690.1	56291.3	145519.6	TRUE
25719.6	31865	35577.3	30212	41523	7599.7	9962.8	5853.5	TRUE
37881.2	64426.1	125447.5	71562.3	97710.4	22389.9	34664.5	32621	TRUE
211187.2	212392.1	158443.9	247662	257118.8	176829.6	186499.3	227373.5	TRUE
90371.9	68491.3	61933.5	92410.3	104780.8	80475	102995.3	106101.5	TRUE

52969.9	36593.8	25787.8	48499.3	38091.4	43579.4	60644.5	51113.4	TRUE
121468.5	68285.2	65405.3	79067.3	86298.8	100307.3	99814.3	100946.9	TRUE
114382.4	102129.3	112935.2	154534.3	143750.9	115069.8	151333.7	180246.8	TRUE
91759.6	118004.1	99630.4	80457.3	80963	109584	117612.6	102734.1	TRUE
10024.9	49872.5	53584	31687.3	35790.9	9416.9	11747.9	8367.7	TRUE
44644.8	91491.6	60242.5	58825.2	61186.5	19090.4	32082	30313.5	TRUE
38562.3	29011.4	39047.8	29033.9	34389.5	30754.4	40953.3	49152.2	TRUE
260906.3	217722.2	219722.7	227217.4	195305.3	297019.1	334579.4	300564.3	TRUE
27020.7	41866.9	35142.5	26349.2	33496.2	34938.5	43368.4	45912	TRUE
73366.1	73526.9	83353.7	71798.5	67209.6	103850	99952	75187.7	TRUE
29180.9	30273.2	11011.2	9732.9	26933.4	37425.4	40746.9	48306.7	TRUE
48682.7	39392.2	37644.1	35156	29615.4	62014	49494.4	54042.5	TRUE
6009.2	23277.2	13461.6	16033.3	6487.2	14611.5	22308.5	32388.8	TRUE
10399078	8851684	7930023	10916191	11371187	8618143	9167938	11216165	TRUE
148055.5	131710.2	125479.6	171118.7	172389.9	126544.8	172039.9	192524.6	TRUE
14479186	15771362	11103975	13610980	12021413	15351588	15905153	16752789	TRUE
53060.2	13738.2	10428.1	14033	142080	2225.7	19017.8	21654.3	TRUE
57328.6	31478.5	131848.8	33110.3	24369.3	140593.4	33713.3	36747.4	TRUE
113202.9	188657.7	139854.9	204382.5	333108.7	77955.3	63212.4	90386.5	TRUE
340523.8	197111.8	189079.1	201219.1	295519.4	260873.8	209046.2	274485.2	TRUE
226645	187541.1	166536.2	174230.8	322833	231823	168986.3	215612.8	TRUE
21689.6	50598.7	31957.8	80480.5	100838.2	7948.8	18421.8	15633.2	TRUE
77913	193893.3	104733.9	182248.4	236364.9	65051.7	75041.1	58889.6	TRUE
101241.3	91572.8	73077.2	97041.3	102318.7	105339.6	122524	166618.6	TRUE
116231.7	122902.2	66659.6	80215.9	91579.9	121823.9	121127.4	124582.3	TRUE
60539.7	88051	62128	83294.6	85831.7	46522.1	55539.7	50352.7	TRUE
76151.1	74617.4	63344.9	82006.1	57555.1	92117.5	98713.4	105909.7	TRUE
102695.5	85791.6	96154.6	90329.2	105281.5	114761.5	81683.5	97341.5	TRUE
1603718	1379237	1214533	1510341	1423744	1246167	1255169	1334690	TRUE
203021.1	180179.5	149126	207474.3	220740.6	187223.6	196352	208957.2	TRUE
3729258	3559142	3373490	3535662	3218303	3601086	3645911	3377624	TRUE
22306.8	28157.7	18391.5	15090.4	16782	16652.6	48336.6	6329.4	TRUE
64655.9	60415.8	69554.7	35918.6	58266.2	53356.7	61696.3	47166.3	TRUE
539004.8	551002.1	559907.2	520511.8	553533.7	440086.6	502352.1	486345.2	TRUE
557210.9	626608.8	433470.7	500282.3	411511.8	378549.8	464814.6	461917.4	TRUE
423432.7	466437.2	368800.8	436381.4	453383.5	344166.5	412015.5	440462.2	TRUE
1292427	1288183	982714.3	1193427	1274103	1005817	1165782	1360807	TRUE
71063.3	75326.1	72638.6	62065.9	73868.7	82945	73018.4	75170.6	TRUE
144974	126539.3	153367	118047.5	197264.3	182789.2	176550.5	179065.1	TRUE
40497.5	80389.2	72920.3	119338.5	167635.4	42996.8	44895	42305.1	TRUE

43640.2	45015.6	54892.4	54968.6	64709.9	49846.3	120281.4	100076.4	TRUE
79631.4	180419	134362.3	213626.8	139977.3	54647.8	73677	71055.6	TRUE
76163.8	91602.3	84120.5	94786	142623.3	82713.9	87269.5	105556.2	TRUE
646460.1	637191.5	805303.9	1007079	1301449	870961.5	882091.2	876603.3	TRUE
6290429	5887772	8850653	9962087	14407355	9031261	8550403	10464185	TRUE
36591.4	44826.8	40286.1	56059.8	56050.9	43226.9	52660.9	40550.8	TRUE
103572.8	119234	113614.7	118136.5	177204.6	111947.9	121348.4	108391.9	TRUE
732443	968501.9	814324.5	848911.3	1132652	808644	926222.5	903265.2	TRUE
102886.3	151307.4	140662.9	145944.6	167653.3	116304.6	143736.2	128695.6	TRUE
331945.3	430606.9	426668.4	407027.1	532709.5	366855.1	413161.3	402877.8	TRUE
204743.5	257698.8	238422.7	234704.1	387234.7	200180.8	269237.2	258682.4	TRUE
140472.1	159941.3	142840.7	171613.7	208991.3	147467.9	143069.2	150134.4	TRUE
78847.7	122142.8	107238.4	90248.2	109878.2	83778.6	85201.7	97873.4	TRUE
64655	73831.9	70624.7	87284.3	75180.6	88731.7	72040.1	70577.2	TRUE
172897.2	129755.5	126440.1	128233.2	162167.5	164944.3	176225.4	225032.9	TRUE
205395.9	185947.7	175797.5	183601.2	168789.9	213231.1	221050.2	257503.8	TRUE
327289.9	309392.9	275454.5	258939.7	243625.6	368467.9	398589	355610	TRUE
84853.3	109317.3	100359.5	114181.4	76200.6	70495	112689.2	84840	TRUE
642169.9	768085.8	627905.7	617564.5	506405	678786.6	754379.7	561786.9	TRUE
1353471	1906228	1357872	1888842	1470307	1425436	2155488	1079717	TRUE
1049138	1519558	969489.7	1551649	1241310	1256206	1847835	963719.7	TRUE
62142.5	78304	65823.9	82580.7	67379.3	59704.8	95335.7	56874.6	TRUE
117696.4	140491.1	116953.8	140033.2	109538.3	93725.7	117277.3	102544.4	TRUE
140704.2	120264.3	128392.6	169047.4	148868.5	163459.7	176746.5	189856.8	TRUE
95918.2	93766.3	59250.3	84543.4	116094.9	72618	70587.2	96066.7	TRUE
64777.6	34064.4	31404.1	43439.3	53351	32369.7	34319.5	36861.4	TRUE
212952.7	169613.9	93746.3	192127.8	175472.2	132610.5	126980.8	155500	TRUE
1301842	1140744	1284247	1532654	1623849	1315875	1488533	1453762	TRUE
927458.3	977728.8	777300.9	982730.3	1189710	860434.5	1180332	1271180	TRUE
358945.2	292244.6	281664.4	393447.1	449172.5	314367.9	373511.8	449666.4	TRUE
39598.9	35653.9	18182	36153.7	31899.7	24184	34992.7	17736.3	TRUE
90991.1	96053.5	86558.8	116869	122504.2	79869.6	107609	111763	TRUE
140691	132742.9	132256.7	170484.8	202836.5	126499.1	163932.9	186559	TRUE
103062.7	208550.7	147430.3	172362.9	217610.7	82174.8	74576.4	102356.2	TRUE
78132.8	269285.4	172533.3	225454	313219.3	33331.9	38777.8	45924.2	TRUE
133546	87796.2	102286.5	160412.7	142499.2	117439.1	93560.2	136943.5	TRUE
30546.6	62672.9	50047.1	81773	95150.5	25128.5	38022.6	66404.2	TRUE
134659.7	131518.8	115497.1	158063	185715.1	102611.6	115834.5	118789.7	TRUE

261755.4	262524.3	152572.7	321175.2	318626.2	202981.8	261735.7	306204.1	TRUE
41735.4	68558.7	59555.8	45137.2	99479.8	33755.5	42767.6	60714.8	TRUE
158309.1	100728.4	76707.2	125693.4	136931.9	132746.8	161235.7	169746.6	TRUE
107210.3	104962.3	86660.4	114796	98873.1	107744.8	131525.1	112142.1	TRUE
56500.7	29761.2	45031.3	65116.2	71625.4	52184.5	41190.8	61737.8	TRUE
105837.5	113547.2	99987.6	114294.4	120347.1	129874	115648	136108.2	TRUE
79512.4	236905	170228.4	207830.5	204446.2	47382.3	47430.2	58682.9	TRUE
132964.8	89420	108189.6	131883.2	102556.4	169976.1	124889.6	174036.8	TRUE
71111.3	73330.1	61526.1	67851.9	89729.3	53253.4	80803.3	88143.8	TRUE
382263.9	295318.8	255155.3	363195.9	437477.5	316746.8	358230.3	425853.6	TRUE
174981.2	136508.4	116740.6	145970.3	188036.7	132143.8	164270.7	178400.2	TRUE
48099.2	36510.3	50258.8	54192.5	57263.9	47600.7	45884.9	47246.8	TRUE
21120.9	58024.2	31591.4	45324	62907.8	13498.1	9880	8119.5	TRUE
273558.9	251410.4	184196.5	236590.3	253822.7	206022.3	190687.8	252430.9	TRUE
2262705	1883433	1676055	2294160	2441153	1795905	1966929	2376721	TRUE
329710	305817.7	267096.3	374379.4	450251.7	296983.4	364625.1	423174.2	TRUE
8126712	7193874	5896872	8386989	8551197	6349380	7463711	9158654	TRUE
531698.4	471193.7	478163	553269.8	618996.9	505308.3	515411.3	616481.3	TRUE
1072620	1278077	806944.1	1025250	1317023	888882.8	1167985	1330577	TRUE
1037622	1120874	792990.7	950405.7	1212597	788345.9	959720.9	1143078	TRUE
190425.6	167889.4	166662.8	191440.1	206335.4	180979.4	170932.9	199900.8	TRUE
326980.1	275337	289749.5	315095.4	355435.2	308556.5	322906.2	346438.7	TRUE
268612.4	233257.2	252252.8	276885.7	272189.1	272044.6	270131.6	268063.3	TRUE
231864.9	219101.6	159756.8	293816	296140.4	242390.3	387799	281033.4	TRUE
61695.1	56929.8	68242.3	61626.6	87046.4	54509.6	72624.6	95676.6	TRUE
511310.1	544074	356790	592751.5	824180.5	481818	734207.5	926000.5	TRUE
151423.1	163589.3	136358.1	135001.2	204479.7	111421.1	207632.3	269496.5	TRUE
107814.7	77068.4	60121.7	61759.7	94815.5	49290.1	71523.6	72024	TRUE
1803211	1753315	1512848	1542652	1470319	1493339	1626306	1535742	TRUE
54008	47081.5	49265.2	44404.2	45011.4	56751.5	57784.9	60583.7	TRUE
146318.6	152388.6	160740.9	87697.5	114793.6	147340.7	123765.1	134354.1	TRUE
1995847	1863214	2078540	2047869	1491598	1845309	1726562	1810123	TRUE
235896.3	248026.9	195371.8	199334.1	197672.7	249237.8	223383.8	259792.1	TRUE
780863.4	754455.4	679539.1	741125.5	600014.4	800352.1	724727.5	739527.4	TRUE
2452541	3023568	2201340	2312774	1916202	2529002	2654791	2312639	TRUE
5429475	5829584	4983933	5373557	4559362	5795198	5876313	5110556	TRUE
1770061	1932698	1488855	1575898	1453841	1900903	2019563	2028240	TRUE
967801.1	1190321	861213.6	790279.3	835153.1	971098.8	1054669	980081.3	TRUE
2392277	2627362	1978037	2147706	1932132	2445755	2444989	2369833	TRUE
696845.8	757244.5	644756.1	710568.8	568311.4	787115.3	786120.3	817555.1	TRUE

314666.4	324027.5	269060.5	284376	221621.6	346953	325798.6	333230.9	TRUE
322942.4	311306.2	260389.9	312794	244213.3	363882.8	305892.2	339975.7	TRUE
129009	124024.4	93869.8	114474.3	116610.6	156931	166118.2	176993.7	TRUE
124758.6	469045.5	244757.9	285568.3	210310.6	100858.4	98083.7	79473.7	TRUE

25097.1	9662.7	21446.9	10829.2	18419.6	20602.4	12253.8	41251.1	TRUE
22185.9	7903	9193.4	10039.3	10076.4	15075.4	8316.2	17615.9	TRUE
35236.1	40358.4	31186	37701.2	39358.7	36533.8	37247.7	41716.6	TRUE
57286.9	61980.5	56087.9	52626.9	49046.4	52594.8	52931.7	50444.2	TRUE
76082.3	67134.3	68733.5	101474.6	85012.7	78540.5	93537.6	79268.8	TRUE
35817.3	33646.5	23353.9	34765	38881.3	32190.5	36018.4	27654.3	TRUE
29009.5	25467.6	38117.1	30786.2	27873.5	27032.7	20405.2	23483.6	TRUE
67858.1	79524.3	64523.5	124726.2	74435.5	56559.8	53979.6	67782.2	TRUE
34958.8	42954.5	32331.4	40769.9	28352.2	35518.8	30231.3	35021.4	TRUE
60722	56921.7	56886.4	46649.5	61968.6	49579.2	43842.8	70771.5	TRUE
42930.5	53974.7	48052.4	56456.2	54390.7	59209.1	39859.1	62781.3	TRUE
44842.7	42000.7	42437.6	40454	49924.5	43848.4	38010.5	43848.1	TRUE
25343.5	19660.9	32053.7	31703.4	35005.5	27761.7	27865.7	34428.2	TRUE
38053.9	35127.9	39345.6	33834.6	35868.7	48000.3	32043	38476.3	TRUE
32077.2	33462.6	35579.1	27010.4	32667.2	33250.3	27882.2	26176.6	TRUE
32218.7	22562.9	15241.9	22612.8	24833.6	28292.8	12405.1	28492.3	TRUE
52093	57599.3	69923.4	31749.5	49890.9	67960	54875.8	48704.8	TRUE
26476.9	24433.1	23965.5	26692.2	20054.6	37266.1	33046	20871.4	TRUE
20354.7	11636.5	22034.8	27931.5	20880.9	25552.2	12143.1	31145.8	TRUE

280642	226285	208438.4	257184.7	298242.2	270824.6	228843.1	296905.9	TRUE
49021.9	53032.2	37405.8	51833	43660.6	43479.1	47371.5	45792.7	TRUE
40812.8	27067.8	43528.4	34396.7	33742.1	39819.6	44191.5	43947.2	TRUE
44746.8	42152.2	45877.1	43553.8	42888.3	46339.4	47632.8	43054.9	TRUE
77422.4	57744.7	74166.7	74170.8	85960	71163.7	67482.3	82715.9	TRUE
22711.1	25467.6	30427.6	24228.6	23932	33159.8	23458.2	28801.3	TRUE

56397.7	52960	48738	41011.5	44928.6	54919.3	38721.2	44872.4	TRUE
76763.1	87180.5	64716.9	73902.7	67855.3	72958.8	83692.9	88707.5	TRUE
377744.5	362381.6	354656.3	428970.3	476171.8	350022.8	376944.4	458754.4	TRUE

41604.8	39594.6	55370.1	55239.3	49377.5	49663.6	45251.5	54059.3	TRUE
84885.3	92869.1	75764.6	123312.4	124187.9	89303.3	75059.8	97761.1	TRUE
401484.8	284873.8	307532.7	359970.2	425446	303110.6	339052	389685.8	TRUE
78918.8	58611.9	70818.9	72066.1	81329.7	53404.1	73682.3	75444.7	TRUE

56897.2	67036.6	47801.9	46372.8	54492.6	37450.8	61969.8	50067.7	TRUE
51244.4	34601.9	34231.3	51379.8	35471.8	37052.4	28959.6	37593.9	TRUE
67652.5	70825.5	62042.8	71135.4	68030.8	50135.9	61320.6	60500.7	TRUE
31434.4	9028.1	21034.4	27031.5	34237.9	22399.9	13772	32694.8	TRUE
39293.4	40149.5	33487.3	39371.1	35897.2	32683.9	34542.9	30256.7	TRUE
507819.4	474924.1	390213.1	542069.1	503596.1	437770.7	445391.9	523746.2	TRUE
74453.5	67002.1	67455.3	73399.9	76774.6	64170.7	72953.1	79046.8	TRUE
101600.5	89894	89075.7	113265.6	86729.1	111044.3	111607.7	123649.5	TRUE
60845.4	71523	46663.2	50208.6	70101.1	52946.9	53959.2	58718	TRUE
97739	86972.4	92655.5	110567	106465.3	105114.5	65412.6	121128.1	TRUE
37460.6	38278.8	41327.2	36705	37292.9	39267.8	33189.3	40894.7	TRUE
151523	203378.7	130625.8	194655	155380.9	127042.7	162524.6	154206.2	TRUE
212783.6	202508.2	190132.5	244559.7	255294.2	180418.6	184610.4	253593.8	TRUE
26364.7	5812.8	19283.4	11482.8	21393.8	20021.9	24370.5	9018.6	TRUE
44320.5	41770	28198.2	31604.1	30257.7	33950.9	34766.5	34149.8	TRUE
118129.8	103753.7	87806.4	115400.1	117028.6	86484.4	95237.5	107213.6	TRUE
195312.6	157145.3	273227.5	211159.1	176267.9	249448.4	173119.9	193618.1	TRUE
47416.4	36009.3	43288	46359.7	49872.2	39693	58188.1	53087.7	TRUE
187055.9	125402.7	180237.1	172896.6	196959.9	180425.9	155270	202475.8	TRUE
110322	80094.1	98575.2	113113.8	113687.1	88866.1	107601.6	123735.9	TRUE
65754.8	86108.6	57216.7	97487.7	58805.1	63968.7	56566.4	75305.7	TRUE
54560.1	50854.7	51319.8	66864.8	51720.5	66043.1	42656.9	50322.3	TRUE
27472.9	21926.7	29271.1	29948.7	33715	26950.4	28247	30288.6	TRUE
897535.3	944104	886979.1	914520.9	1103734	795563.3	818692	1114650	TRUE
81758.9	58399.1	74802	85317.2	83976.7	58523.9	68990.8	85715	TRUE
94650.1	88796.8	64059.7	53097.8	74530	61984.7	70914.3	74254.1	TRUE
44409.4	38657	37987.4	51445.4	51883.2	46438.2	41107.5	69372.9	TRUE
48792.3	46100.9	53377.8	38935.4	53781.7	47320.2	44333.3	40985.2	TRUE
62096.1	71621.4	59747.5	44432.8	58884.3	66684.6	46017.1	63154.6	TRUE
55637.5	52148.6	39919.5	48104.4	53429.3	47613.1	35748	59907.7	TRUE
48214.3	47616.2	50219.2	58581.9	43736.7	37917.2	55120.9	51439	TRUE
37118.8	37768.2	38982.9	48737.5	54529	39870.6	36377.9	41913.5	TRUE
31132.7	36168.5	28016.7	42395.4	43585.1	24449	14614.9	29818.3	TRUE
59868.3	51945.4	50933.4	67989.4	52109.9	49598	45312.5	54092	TRUE
65507.4	68061.7	66963.7	64143.3	72382.7	63380.4	57247.6	72745.6	TRUE
49383.7	62954.7	51947.7	66583.6	57482.9	50152.6	52272	63747.5	TRUE
40973.7	54119.6	31604.2	30033.2	39633	29704.1	40151.4	67493.5	TRUE
36784.8	32291.4	32703.4	33150.7	34378.2	30344.8	28432.4	51614.5	TRUE
38136.1	45650.5	36082.8	43790	45401.7	29128.1	50591.4	47801.9	TRUE
206605.2	163414.1	173210.7	179999.9	231320.7	147761.1	193728.8	217863.2	TRUE
400639.3	348688.7	312398.3	390481.2	462298	364379.6	348578.8	405677.5	TRUE
42329.7	53629.6	38428	58074.1	66622.2	34083.9	60552.1	80835.8	TRUE
6772903	5690306	6055874	6718580	7908311	5953331	5631182	7603442	TRUE
55371.9	42795.9	59339.3	49372.8	53892.2	50879.4	43485.4	60066.4	TRUE
28987.3	36386.9	54945.1	40272.2	45438.4	28966.2	30061.1	30877.9	TRUE
166753.2	142274.2	164055.6	165290.9	166814.6	154057.9	134695.4	208368.4	TRUE
83566	66540	66692.1	99866.3	81904	77868.7	66007.6	74350.8	TRUE

30997.6	70060.2	88193.2	99371.5	120103	30512.6	11565.5	21383.7	TRUE
128735	120172.1	80353.8	117897	93621.4	120313.6	143499.3	136554.6	TRUE
107859.8	114908.3	117020.2	132498.1	110562.8	107127	145711.4	116369.3	TRUE
49433.9	50682.9	30380.4	54291.1	44168.6	41166.6	38721.2	55369.6	TRUE
539941.2	469460.8	304550.1	379405.4	456630.5	305031.5	366894	449656	TRUE
290902.6	244278.6	270903	369183.3	428013.1	261039.5	332248.1	403887.1	TRUE
1870961	1655617	1522937	2313436	2680708	1630324	1986965	2647649	TRUE
76758.3	116618.5	87799.6	101135.4	84605.9	56263.2	93114.7	90713.4	TRUE
949372.8	744865.7	855957.9	1214808	1229336	832145.1	1010738	1169766	TRUE
1061328	958572.7	978219.4	1395176	1384485	1033879	1147229	1403155	TRUE
168904.3	227134.7	167561.8	237254.7	302672.9	147187.1	205512.5	199890.6	TRUE
116472.9	85729.8	101766.1	144312.7	147746.5	101689.7	120516.9	136344.6	TRUE
286812.1	264075.5	237593.3	375723.8	395255.1	272803.4	331858.1	426830.7	TRUE
224113.8	161313.7	187534.7	233940.1	251462.3	197440.4	213635.1	297867.7	TRUE
58115.7	65455.9	66061	70309.5	67687.3	64219.3	45541.4	83212.6	TRUE
248194.3	222801.5	250317.4	299538.3	295792	259343	271162.5	294662.6	TRUE
138342.2	312688.3	181086.9	260174.9	349873.3	94223.4	103048.8	123456.3	TRUE
127360	128053.2	99898.8	103778.5	147840.4	105492	145371.3	139366.5	TRUE
98560.7	295136.4	97532.7	222216.4	313186.9	33419.6	23269.5	45029.5	TRUE
59304.7	70435.1	69018	59199.3	61843.3	58328.7	47219	80970.6	TRUE
50626.1	65043.6	57945.2	55232.7	89293.8	26642.3	34693.9	36844.9	TRUE
54831.1	65606.6	71692.8	105714.5	112367.4	70597.8	54570.2	48696.2	TRUE
64342.7	46110.3	56397.3	87170.6	84618.1	76648.6	81959.8	97675.2	TRUE
31623.3	79472.6	58452	101009.9	158642.5	27738.8	48911.5	38532.6	TRUE
20989.3	20226.9	16144	10579.4	24664.2	17334.7	10277.9	12893.2	TRUE
31566	35585.1	30064.8	36895.3	38270.7	23408.4	21337	30041	TRUE
29169.4	21605.3	14034.8	18473.9	29410.8	20879.2	30349.8	27776.2	TRUE
76893.1	91659.5	78304.9	72404.9	91472.8	75519.1	75019.7	90932.1	TRUE
433632.7	434412.4	430084.3	367632.8	319944.8	563580.1	539222.6	493954	TRUE
43752.9	52172.9	44978.2	52230	45593.6	50944.4	50649.1	52695.9	TRUE
92956.6	119302.1	96392.5	101885.7	92441	121506.9	141624	122784.1	TRUE
62074.7	59503	44896.7	68254.9	53629.1	67375.6	76134.9	54893.9	TRUE
53965.6	73819.3	66140.4	55702.9	44918.6	78801	72308.1	69857.9	TRUE
58409.4	86402.3	55491.3	73792.7	62584.4	75044.1	99605.7	75799.4	TRUE
62893.5	84484.8	65083.1	68449.9	56100.7	75752.1	75665.4	80035.3	TRUE
48954.6	66326.2	33666.8	38706.6	41419.1	50230.3	78946.6	77515.9	TRUE
173636.3	213789.1	149313.8	156732.1	164651.6	205883.5	220010.1	220261.3	TRUE
26214.6	38665.3	29162.2	39972	35377.3	50691	61222.3	56606.5	TRUE
78133.8	77339.9	63311.3	57271.3	47806.4	87476.7	92229.3	82691.4	TRUE
261496.2	461671.1	243152.8	365992.3	343980.2	154877.8	328329.2	151648.2	TRUE
161223.5	180314.3	174582.9	220315.6	179181.7	210666.6	171004.9	196900	TRUE
120117.2	288461.5	174204.6	247453.9	226349.2	87949	69731.1	94324.3	TRUE
53313.6	79645.3	63768.3	47205.2	55627.3	64303.4	50400	65772.8	TRUE
45291.6	38965.6	50543.3	28415.8	36931.2	26553.3	25896.5	28962.8	TRUE
118897.1	92657.2	93724.1	85735.9	74565.3	118222.7	90166.3	74134.1	TRUE

262026	254259	133183.4	161703.7	211827.3	137629.1	164139.1	208799.3	TRUE
668187.8	573376.9	352770.3	460877.8	503619.6	363693.8	437392.8	473377	TRUE
1647833	1470070	788531.2	1068609	1347553	795103.7	980447.6	1270840	TRUE
280308.2	249643.7	150985.8	185024.2	202910	131571.8	197062.7	258607.1	TRUE
253848.8	199545.6	124076.7	161875.7	164878.2	135161	150988.2	212427.5	TRUE
271865.2	276520	278424.7	349170.1	337051.6	282105.4	281877	322191.8	TRUE
764572.7	659091	643633.6	869579	1081953	685256.5	790129.3	1008920	TRUE
1068332	1013863	1032986	1367215	1587464	1070500	1293292	1558080	TRUE
1816382	1742917	1504308	2073879	2519313	1657954	1947041	2697163	TRUE
1412980	1126815	1100200	1572827	1818298	1209427	1441527	1959947	TRUE
158258.1	154150.9	155132.2	247991.8	221052.1	171374.9	166799.5	217701.6	TRUE
262748.6	235121.9	227143.3	346554.2	363796.2	240013.1	268424.5	346906.6	TRUE
40203.2	44552.9	35649.8	21576.7	35168	35030.5	33148.3	37721.2	TRUE
320495.9	315408.6	282239.2	379038.5	438023.1	289140.6	344583.8	419496.8	TRUE
663695.6	576204	535472	732257.4	903835.8	564001.5	688092.1	919811.7	TRUE
211291.8	187028.5	202700.8	261534.1	300127	222433.6	249590.8	325043.5	TRUE
115574.6	107254.4	129303.8	110829.2	167355.1	101016.7	107493.1	156399.3	TRUE
125153.7	119333.9	128187.6	168529.9	156487.7	126430.1	137247	149681.9	TRUE
221146.8	209341.6	220385.2	269896.7	316420	230573.6	252761.2	340242.2	TRUE
39049.9	23220.6	35779.3	29393.8	33571.2	29765.7	29311.7	36829.2	TRUE
257489.4	815283.4	418132	899711	1299924	115829.3	87672.2	169550.7	TRUE
31125.6	38349.5	34857.4	32093.6	52867.1	35097.7	27140.7	38990.3	TRUE
60599.3	56982.5	41079.4	78733.6	77253.7	41256.4	53037	67740.7	TRUE
16846.3	40429	34824.4	54457.3	66779.6	23567.5	11686.8	33876	TRUE
42892.4	72179.5	51282.5	126935	138812.7	51699.1	57608.7	64973.6	TRUE
17601.6	18523.8	9950.6	21398.6	17395.9	20341.5	11455	28024.1	TRUE
96203	79358.5	56040.7	87770	88190.8	82272.1	95089.8	132235.5	TRUE
79888.1	66009	55316.7	67438.5	73201.9	73741.3	92459	102682	TRUE
28837.8	7590.3	28970.8	26420	26802.3	18339	28722.4	18829	TRUE
104939.3	87191.1	79661.8	124691.9	119287	84330.2	83924.3	131567.3	TRUE
393821.7	441361.4	362571.9	398381.8	372508.4	399522.2	467423.5	392825	TRUE
956461.8	1108171	1115957	958780.7	874453.6	1041457	1258297	996266.4	TRUE
1143973	1259130	1198140	1238167	983615.3	1355222	1462175	1207854	TRUE
2927234	3370576	2662691	2783159	2368057	3127844	3633379	3205925	TRUE
2204589	2392823	2059169	2156237	1691471	2432815	2702615	2552666	TRUE
737028.6	783751.2	781512.7	896826.4	594763	758296	880524	784982.7	TRUE
402281.6	489921	418778.8	533220.8	349896.9	428425.2	533556.2	490901.4	TRUE
13477.3	9298.5	5574.9	6988.3	11010.5	6249.1	10652.3	11802.1	TRUE
70772.2	63196.3	50550	60088.9	63843.3	61068.9	87303.2	68573.6	TRUE
42095.2	45945.6	43349.6	28820.4	21929.8	50246.3	36403.7	40350.9	TRUE
495232	2008500	822724.9	1644068	1459320	220617.2	170711.7	212604.3	TRUE
34917.4	49695.8	58160.9	43328.9	39689.7	24876.6	32427.3	24075.7	TRUE
52695.1	40783.1	34493.6	36467.2	32144.9	39886.5	31894.6	37069	TRUE
28779.7	29071.7	29139.5	10958	18281.6	33980.9	28826.1	17097.2	TRUE
99768.2	79476.8	89397	84188.2	64016.1	66520.8	106465.8	77652.3	TRUE
135279	107283.1	111124.8	99308.1	70321.6	121156.5	112713.1	112011.1	TRUE
120641.3	112752.1	115083.7	125614.9	107620.5	123947.7	136113.3	123716.6	TRUE
47694.6	75440.6	49124.6	55158.1	52285.3	79357.6	90692.7	54787.7	TRUE
264086.8	263220.9	244143.4	253814.7	204876	248444.2	261289.8	262785.1	TRUE

166913.5	135482.6	191649.6	161501.5	109799.7	175747.4	125418	109349.1	TRUE
799937.7	714929	875907	767964.1	553850.5	927051.6	645726.6	556456.1	TRUE
131981	100571.3	182814.7	127453.9	96235.6	173785.4	111443.8	107734.4	TRUE
501476.6	466730.5	653582.7	643230.9	457722.5	680815.4	524726	485033.6	TRUE
164060.3	164743.6	175376.5	141619.8	190401.5	179993.3	132958.6	195207.9	TRUE
649507.5	549091.8	541318.9	575143.6	708041.3	731618.6	527730.8	674307.3	TRUE
560164.2	370697.5	486709	464547.4	780974.1	608368.7	397128.6	564876.7	TRUE
1986914	1373653	1708007	1668573	2525186	2044008	1398069	2059999	TRUE
169870.3	150988.2	154401.1	174120.8	168884.5	155146	141683.8	157542.9	TRUE
41044.5	22615.8	11238.1	32183.3	44759.9	12770.9	27164	27439	TRUE
4731205	3152115	3974407	3741504	7125539	4265561	3203152	4259792	TRUE
75201.3	54991.4	75109	69593.2	47466.5	89595.7	65120.1	54677.7	TRUE
6266816	4163232	8478566	5924898	3437174	8455004	4338709	3652255	TRUE
174023.3	151386.1	193218.2	181480.9	142358.2	204971.8	175281	158015	TRUE
703750	603853.8	643260	614299.3	617046.5	655130	637489.8	667029.7	TRUE
567056.4	504894	693988	705591.7	577204.7	744666.4	566652.8	576743	TRUE
63090.5	45015.8	54941.4	49449.7	39847.4	63223.2	67032.6	47754.1	TRUE
50068.8	77739.5	69110.5	92364.8	70336.7	39116.8	8170.5	20654.6	TRUE
97502.2	173009.3	144837.4	205231	173226.8	83708.6	68361.8	74606	TRUE
23408.9	28091.3	28227.2	19742.6	26898.5	31045.1	26650.8	27044.9	TRUE
102586.7	78747.5	63541.6	95595.7	94027.3	92790.3	85431.9	112044.9	TRUE
55502.8	47785.2	51781.9	66622.4	73937	65061.6	59392.7	67926.3	TRUE
127253.8	103502.7	97981.1	92248.4	141911.4	135607.1	100210.7	132516.2	TRUE
92375	74965	74958.5	86892	69863	100945.6	76945.4	68811.7	TRUE
35417.2	27374.7	31088.5	36984.6	28153.8	55450.5	35293.9	32035.7	TRUE
33221.7	23028.4	58109.9	44914.6	48401.7	119187.9	42094.6	40925	TRUE
58989.6	37886.5	57497.7	69087.3	91515.2	63162.1	74459.3	58087.8	TRUE
132208.1	80559.5	84848.7	75070.4	77934.4	87909.1	72406.4	74012.3	TRUE
150491.5	96163.7	123166.6	84330.7	79883.2	108614.3	92664.2	75873.7	TRUE
27889.2	30264.4	12503.4	12538.5	10172.9	35464.1	10525.8	11375.6	TRUE
387770.6	338277.1	522488	427202	375656.6	538239.1	380678.3	310133	TRUE
162219.6	110394.9	228870.2	178304.2	140598.6	211011.5	141317	135798.3	TRUE
355358.7	274553.3	451122.7	373645.7	313987.1	457405.3	336043.6	321787.6	TRUE
380948.3	256861.1	486260.1	421074.3	227948.8	538997	332316.6	277262.8	TRUE
264271.1	353342.3	310803.8	389088	349046.2	181954.1	242276.4	228808.8	TRUE
317008.4	274604.9	295897.1	295837.3	293078.7	307674	260445.1	333763.7	TRUE
633323.2	541358.4	961450.1	844712.2	528007.6	1080468	664923.6	567019.5	TRUE
102768.2	103535.9	133015.4	121290.3	98240.9	122456.2	108839.5	93437.5	TRUE
367105.8	360831.5	358277.3	309518.3	278367.9	345241.6	316973.9	283177.4	TRUE
529030.5	524908.3	429234	475781.2	565211.3	509630	602143.9	544203.4	TRUE
2880096	2464708	2587977	2735765	3325005	2772650	2603720	2885012	TRUE
103412.3	75088.8	83233.3	89551.6	100773.8	90934.5	82527.3	95932.8	TRUE
91445.7	87601.5	73698.8	107334.8	66155.7	97088.3	72351	70984.2	TRUE
77173.2	64149.9	82346.5	70670.7	43322.6	86759.5	65507.4	61430.8	TRUE

122257.2	106862.1	93081.7	91900	104971.1	129825.3	96908.1	82240.3	TRUE
77293.3	100146.6	85385.2	109741.4	90009.7	68480.1	66349.8	63114.6	TRUE
39665.3	27528.1	40401	26050	20433.8	40812.4	25302.7	34249.6	TRUE
60229.3	57733	96634.4	73528.9	56221.2	69399.6	66847.2	61791.4	TRUE
110510.3	99259.8	108717.1	111931.7	107629.6	117686.4	113105.5	128864.8	TRUE
281124.2	173293	216006.3	242167.2	242976	275124.7	231035	316050.6	TRUE
262688.4	211774	225157.3	257345.1	255789.2	279201.1	250551.2	250328.3	TRUE
912213	740919.1	831815.6	772651.4	557361.3	907217.1	727359.7	564633.3	TRUE
89927.3	94281	92727	96500	79855.3	93237.5	101341.5	85495.4	TRUE
130763.6	109329.6	161333.6	111747	97578.1	141876.4	114896.7	91440	TRUE
473332.4	383100.5	582614.6	451585	342319	590696.1	381404.1	358536.4	TRUE
1498917	969924.2	1319960	1326849	1973992	1594697	1098533	1558913	TRUE
833663.9	701129.8	937323	804175.1	584329.3	976835.5	687872.4	622050.7	TRUE
638604.7	669044.3	694463.2	655661	495391	691357.4	581638.5	507597.6	TRUE
102494.3	107597.2	114203	125699	123243.3	145031.1	123363.7	111122.8	TRUE
1449125	857791.3	1788007	1650822	1218592	1266764	846821.6	1188017	TRUE
1085077	723963.6	1048759	1026156	997115.5	975706.7	789240.9	991896.5	TRUE
839835.3	933521.7	732915.4	796888.3	917205.8	815036.2	811903.3	792809.2	TRUE
2341330	1907373	1986048	2246279	2624525	2492522	1975404	2410463	TRUE
272665.5	250206.9	278361.9	326749.4	322372.3	314632.4	246348.9	279646.4	TRUE
259864.7	202844.8	329992.6	233009.8	138979.5	451419.7	250552.4	195201.1	TRUE
203438.2	186741.2	260319.2	199954.6	139815.4	253446.2	184011.9	156507	TRUE
323066.2	316304.7	360207.8	375482.1	284732.6	402252.6	309276.4	298699.4	TRUE
101398	67674.5	86914.5	92563.9	110645.1	142472.5	87101.7	139280	TRUE
254083.7	184648.6	309391	257686.3	205401.3	284896.7	205031.3	221190.1	TRUE
826978.7	782639	918800.3	778719.2	801628.6	917894.2	857115.2	787597.8	TRUE
62913.6	62422.4	88373.4	64221.8	50550.7	72201.1	60556.3	47864.8	TRUE
80640.7	86926.2	106107.3	80495	66849.1	88845.1	98521.4	69240	TRUE
101820.5	96997.5	102938.3	93078.6	131834.5	107200.3	91458.8	113846.7	TRUE
4419980	4359227	4170887	4795297	4117583	4638294	4518990	4585086	TRUE
163448.2	117399.2	149887.8	118023.9	186593	160982.4	102235	179555.4	TRUE
196665.9	158059	164454	178197.4	217550.1	174011.5	159316.4	182508.3	TRUE
275569.7	243567	287860.2	252878.4	227365.4	304943.2	260490.4	243912.7	TRUE
808076.2	686518.5	853985.5	743816.5	621394.4	1036041	708396.9	629483	TRUE
91423.3	133748.3	120525.4	145132.7	126115.6	88769	82314.1	100313.5	TRUE
242714.4	188528.5	198190	174290.8	189154.4	197565.6	195450	165255.4	TRUE
92360.3	85919.4	106984	73331	76316	92836.5	76878.2	87768.1	TRUE
28644.6	25960.4	26765.1	29875.3	36132.2	25927.9	28923.9	43531.1	TRUE
372875.3	296731.1	367171.2	398029.3	457994	382206.6	350910.7	380206	TRUE

958827.2	838662.9	820775	889427.2	1311657	1028431	779123.2	1006782	TRUE
2109183	1513584	1728800	1740865	2725415	1962815	1581018	2129746	TRUE
394465.3	371113.7	368060.9	390156	517182.5	406177	400462.6	466788	TRUE
7144663	7393731	5774837	9778754	10642849	5559196	7605481	11190042	TRUE
225712.1	203671.7	207593.3	346237.7	414939	209694.2	280712.1	413605.4	TRUE
4097189	5531503	3640222	4132811	3233220	5323530	5907424	5273759	TRUE
332650.3	282846.1	301442.8	462270.6	365463.5	317320.4	348027.2	374775	TRUE
152966.9	171645.2	201337.7	267189.1	217658.4	219688.2	168470	213565.2	TRUE
123961.5	113068	127804.5	139464.9	138661.3	130579.6	123195	140051.2	TRUE
244640.4	182545.5	217827.4	286256.1	311213.6	241762.6	240143.8	328567.7	TRUE
351600.9	341407.6	374422.3	385397.5	346085.8	469726.7	338900.7	464407.4	TRUE
132475.6	115782.8	110792.7	110170.9	121917.5	145395.4	138210.8	125988.3	TRUE
62892.5	65512.4	45515.3	57152.5	45942.1	53017.6	71232.5	54531.8	TRUE
759974.9	676087.2	657562.5	762804.4	792877.3	711880.9	770351.4	828638.5	TRUE
581854.2	521243.1	475414.8	550754.7	678386.7	559924	549071.8	654518.1	TRUE
538453.7	474251.4	500727.2	527258	589412.8	514034.5	510115.6	617131	TRUE
852293.9	678107.6	700479.7	733182.5	880347.7	754673.2	726214.2	886689.7	TRUE
839946.5	705114.2	698269.4	846468.5	924521	792334.7	747611.5	944952.7	TRUE
966190.7	809626	746268.1	875073.8	1002550	834223.2	861018	1034226	TRUE
229740.3	172782.1	192211.6	217945.5	223091.5	198262.2	179989.7	220314.4	TRUE
184553.9	155207.6	180990.5	197907.3	216070.4	182952	203588.1	240577	TRUE
49614.6	59197.5	68098.4	52242.9	46525.1	56187	52317.9	58174.4	TRUE
83769.2	149246.1	84575	148435.4	177963.4	62993.4	62689.6	51977.5	TRUE
176076	153623.2	188438.3	141768.9	199389.3	164907.6	184826	204302.9	TRUE
239402.6	185952.1	228530.7	202817.1	270835.5	228042.7	223981.9	263287.2	TRUE
1344211	1448548	1248943	1523778	1371410	1470540	1555393	1435647	TRUE
1008417	992722.6	961603.7	1038908	1035838	1020251	1112985	980516.5	TRUE
924992.4	864431.1	789710.9	862658.2	799302.5	906985	923696.1	918104.8	TRUE
921276	881486.6	792835	841223.7	872970	929836.8	908412.2	934087.4	TRUE
1198867	1179440	986831.7	1132184	1088974	1025053	1213340	1151825	TRUE
1019767	1006615	852588.1	895329.4	935426.2	946794.4	1049563	1018204	TRUE
48772.9	45828.8	38661	14541.9	46424.4	41267.3	59713.9	47843.8	TRUE
157046.7	172105.3	142541	181607.1	121700.2	137420	187298.7	123304	TRUE
103668.4	74786.1	73647.7	141455.1	138796.7	86008.6	96089.1	144714.3	TRUE
15189.9	5248.1	17512.5	30672.1	31408.2	5847.6	10197.7	23548.9	TRUE
5692.3	8937	8060.7	7153.6	7467.1	19932.3	9657.8	13335.2	TRUE
1206959	967596.1	1047029	1032311	1232025	1055779	988372.3	1181292	TRUE
1501393	1272390	1227856	1498941	1500014	1368185	1430496	1490972	TRUE
282981.3	284268.4	353265.6	450789.8	374189.7	459264.9	402363.7	425627.4	TRUE
209488.5	173515.6	135281.6	189280.5	196125.9	209018.6	223636.2	247208.7	TRUE
53302.9	55027.2	49096.7	55119	54540	64605.7	60485.7	85385.6	TRUE

32834.7	24251.8	24379.5	30598.3	20484.6	31519.1	32824.3	44015.2	TRUE
78113.1	83921.9	65564.4	78972.8	80552.6	59294.8	82759.2	68351.9	TRUE
24194.4	9117.7	6608.8	23794.4	32585.1	20169	12428.5	27211	TRUE
36196.8	27540.2	32253.7	48161	33535.6	39360.9	29831.7	42638.6	TRUE
131832.3	114534.6	137162.6	159913.5	130461.6	126288.3	122924.2	127590.8	TRUE
873919.5	574161.7	773123.6	865261	818752.6	727155.7	740182.2	862843.3	TRUE
2609859	2079353	2241967	5942072	2445899	2231197	2294547	2543841	TRUE
387613.1	351940.7	324716.8	524848.7	364642.8	370739	402717.4	408318.1	TRUE
175696.6	188084.7	162578.7	205015.4	196665.8	141509.6	189784.7	182845.7	TRUE
139566.3	111212.7	105094.8	109967	116674	114910.6	111404.8	139079.3	TRUE
70438.9	81715.6	67410.8	92288.5	74692.2	76410.2	75413.4	86316.1	TRUE
923913.5	742761.3	1040699	1979268	1274766	1249801	1123397	1353763	TRUE
149934.1	184575.7	134208.8	175439.2	180639	130766.2	127807.9	134576.8	TRUE
134255.8	189071.8	142050	197407.7	204792.2	177155.5	127150	125616.8	TRUE
1420148	1359491	1418472	1484515	1499224	1793598	1717768	1731861	TRUE
144690.2	227438.6	199921.3	247226.7	251856.2	166387.6	167426	144247.4	TRUE
58693.8	184587.9	117378.4	190218.6	218149	51184.2	44964.3	45748.2	TRUE
634430.3	594198.9	529341.8	558366	602676.3	651403.5	602796.1	603331.4	TRUE
438812.7	473488	414150.1	394996	432624.5	422232.9	431596.2	469192.7	TRUE
148824	159802.7	115265.9	219657.6	136688.5	112594.3	149207.6	130392.7	TRUE
94746	86159.9	44283.6	116343.9	50715.4	46612.5	70916.9	64328.5	TRUE
29306.6	35794.7	29047.3	21128.1	36297	23114.7	32727.1	35533.3	TRUE
152804.1	131230.8	123338.5	191458.1	108281.3	329986.7	173924.3	330385.4	TRUE
84750.3	76160	65808	75751.9	75352.8	51528.4	99460.2	68484.9	TRUE
28544.6	51385.4	29589.8	36167.1	30657.5	29566.2	56243.5	11618.7	TRUE
33929.3	32519	33131.4	32118.2	48840.5	36500.5	35736.8	46764.5	TRUE
59080.2	59284.4	53470.4	65103.2	46405.8	30999.7	81930.2	37477.6	TRUE
32522.9	42990.7	29057.4	26433.1	29220.9	33898.4	37255.4	30085.9	TRUE
118047.9	175233.5	94334.5	131719.3	129163.7	51832.4	179949.1	74122.3	TRUE
375865.3	283991.2	290825.8	304202	296567.6	398896.7	394928.2	368565	TRUE
177821.2	175196.3	146308.4	284355.7	216734.2	173466.7	211706.4	251687.7	TRUE
235413.6	201152.8	218732.3	311059.1	284549.3	231526.4	235319.5	297242.9	TRUE
193110.1	218834.8	229945.4	222852.5	192213.8	260794.5	222090.1	276430.5	TRUE
565351.6	649725.1	518389.4	657802.1	541330	752102.8	639844.7	746685	TRUE
254032	274726.9	301082	312232.1	350340.7	273848.3	319708.4	354341.3	TRUE
212394.5	208443.7	204696.6	224633.8	264565.5	233110.7	262100.7	271384.4	TRUE
187114.5	204838.2	135525.2	166731.8	173843.3	127907.3	168177.5	169697.3	TRUE
176054.8	215805.1	178991.2	216798.2	259069.6	178859.9	238149.2	230340.6	TRUE
221512.6	236360.8	247444.1	252300.2	190413.9	219286.7	268263.9	217191.9	TRUE

89484	116520.1	97028.5	126849.2	118783	72266.8	65882.3	88904.1	TRUE
267605.2	296890.3	197280.7	272603.4	293874.3	205021.4	267178.6	258786.5	TRUE
121624.4	162766.2	92587	151704	123956.5	66167.5	102602.3	95811.5	TRUE
162187.8	113306.8	132937.3	123340.7	180730.6	143296.7	147020.8	180055.2	TRUE
361376.8	354594.3	270035.1	340350	432917.9	313555.5	386939.6	438265	TRUE
69968.9	80930.1	59305.6	65377.1	95813.8	57702.7	70916.3	82443	TRUE
63442.1	70633.7	71568.4	63600.5	132532.3	88922.1	80849.4	133106.1	TRUE
139928.5	98961	164018.9	151982.5	248326.5	163270.6	176866.7	298100.1	TRUE
68765.6	74042.8	57932.8	75330.2	101999.6	65685.6	93299.3	105626.1	TRUE
87006.3	100272.5	74148.4	70297.8	54843.6	78323.4	87280.9	90836.6	TRUE
26798.9	26073.7	32296.2	35488.3	30499	27505.2	28755.5	33774.1	TRUE
31477.1	33070.1	37184	10966.2	35025.1	27622.4	36509.3	42164.1	TRUE
215408.6	217828.8	248305.7	191546.8	214659.8	210964.6	193441.7	194986	TRUE
2203533	2270523	1920848	2303120	2498856	1811586	2232184	2330294	TRUE
1435307	1410371	1585732	1723964	1432391	1670066	1621327	1545769	TRUE

66776.5	97336.7	90209.9	96010	129150	57593.4	40517.9	57080.4	TRUE
37003	29855.6	33682.7	44990	34773.2	48758.6	45603.4	37326.9	TRUE
298645	287158	312006.8	280727.4	301814.9	291207.7	253445.6	266578.6	TRUE
122849.4	138195.6	118104.5	124964	135738.8	113440.8	132727.9	129673.6	TRUE
71632.1	175053.2	92497	165343.6	208086.8	44885.4	37017.8	43344.3	TRUE
534932	536151.3	602334.2	512821.1	605151.8	559290.1	533877.8	477781.8	TRUE
531696.9	550379.1	476079.3	517461.4	498509.6	572156	594861.4	603778.1	TRUE
34192.3	36843.7	32233.5	46368.1	33199.7	35855.4	41902.4	39299.4	TRUE
88809.8	81289.5	60465.5	68737.7	78896.6	87737.4	64700	88303.6	TRUE
125325.4	118799.3	68117.4	70563.6	73494.8	60578.2	94612.5	96848.9	TRUE

53774.5	45517.4	100260	53183.1	42321.7	74071	55909	56126.4	TRUE
216456.3	167765.1	106624.1	120228.8	123141.7	105447.4	118981.5	129124.9	TRUE
183169.9	173509.4	170572	211451.5	196201.1	220127.3	177624.8	227965.9	TRUE
6875	9287.4	7846.9	5774.2	8225.1	6264.1	8235.9	10186	TRUE
25833.1	23900.2	30555	10816.5	29419.9	30042.8	25202.3	28647.5	TRUE
123915.4	133508.8	142089.2	136735.8	172917.6	143438	151548	178259.7	TRUE
100106.6	94412	65679.9	121432.7	105136.3	93945.8	128808.2	139841.4	TRUE
49935.8	51607.5	33030.9	58849.8	45897.3	53461.4	75135.2	65044.8	TRUE
160681	158537.1	115930.8	197054.1	190506.5	170108.6	194391.5	190912.4	TRUE
275533.8	282955.1	243467	406662.7	258460.8	320866.1	353944	351447.3	TRUE
57201.2	45691.3	49317.4	69893.3	57413.3	55823.5	68544.4	73430.7	TRUE
99819.8	113415.9	114655.5	115575.3	137500.1	107300.8	117306.5	131458.6	TRUE
88559.7	71731.8	91706.8	78431.4	79613.9	75364.6	69501.7	93171.8	TRUE
89040.8	92855.8	80942	78319	95567.2	80258.5	89964.4	98552.1	TRUE
226841.6	226348	179823.2	249030.1	221427.3	195469.5	175144.9	223693.4	TRUE
85833.8	102648.8	76880.8	108572.4	77651.1	109976.2	83288.2	115749.5	TRUE
167099.1	149171	154497.8	158462.9	168706	155332.4	178833.1	183824.3	TRUE
299196.1	331696.8	311926.4	286227.6	261941.3	397287.5	282849	340561.6	TRUE
729330.8	751499.7	774236.2	702179.6	621793.6	945764.3	707019	897271	TRUE

359326.6	332555	238309.6	256316.8	303600.7	263519.4	279113.8	276267.9	TRUE
235185.8	245277.7	130067.9	136674.7	179961.5	137261.7	179749.1	188769.9	TRUE
456576.5	500300	484321.6	487457.4	487914.8	423466	571241.4	502956.3	TRUE
460527.9	496795.7	459104.3	474761.8	397826.2	382936.7	541382.4	407715.4	TRUE
106107.1	108638.1	105221.9	99980.7	95692.7	97933.1	113782.1	113289.1	TRUE
3404616	2814079	3163275	3253265	3371892	3366383	2861133	3426181	TRUE
1723518	1639744	1443916	1589225	1574825	1856210	1573168	1932276	TRUE
199619.8	205137.1	113469.3	121008.8	99639.5	125842.9	143643.6	118542.3	TRUE
284154.4	253913	274311.1	335720.5	263223.9	266947.2	294824.1	221768.9	TRUE
244886.9	205542.7	241225.6	223120.2	181761	231213.9	179707.7	211652	TRUE
976126.1	805019.1	884735.5	909172.8	890738	843557.4	824199	879999.7	TRUE
164617.5	188124.6	148570.5	170950.5	189130.8	153571.2	221158	171689.3	TRUE
331892	348415.8	273294.1	361564.8	406023.1	284225.4	334313.4	387525.2	TRUE
51516	48005.4	37789	60816.4	75028.5	46178.7	69380.3	73569	TRUE
796580.2	817456	888081.8	886795.1	709521.3	764520.4	836191.1	747616.4	TRUE
1232829	1202020	1314241	1279992	1081865	1156342	1262837	1157457	TRUE
247475.5	265282	366694.5	344153.9	246490.9	362036.2	383754.2	310522	TRUE
53191.9	60846.2	55983.3	74839.7	62546.4	52178.3	73930.2	70075.6	TRUE
181833.9	213116.2	150696.5	183425.1	208140.3	182161.2	212473	176693.3	TRUE
66791.4	70272.4	40594.1	91667.1	58592.6	58053.6	69855.8	77890.7	TRUE
121242.9	142760.8	112319.4	126907.9	142378.8	128403.2	161074	145531.7	TRUE
56029.7	63418	59921.2	87576.7	62194.9	73260.4	54938.6	65257.2	TRUE
300168.9	333918.8	244455.5	272038.7	244827.1	255980.7	315641.4	249904.6	TRUE
197997.9	212672.8	171216.1	172460	194243	179970	213312.9	207439.4	TRUE
599939.8	521137.8	451628.2	472671.5	492952.5	421552.5	521945.4	505000.6	TRUE
230509	265866.1	247687.5	248272	229856.8	255328.1	263951	262661.4	TRUE
576280.6	568152.9	559657.7	690321.3	637631.2	584184.5	644791.4	658370.3	TRUE
58818.9	126298.8	58971.1	104667.9	111390.5	35706.5	48228	33371.7	TRUE
262828.1	268881.4	289415	258393.2	237231.5	249430.1	275845.5	275429	TRUE
448948.6	451786.9	525149.2	433676.9	420243.6	485570.6	429119.7	488927.8	TRUE
1751928	1578616	1894616	1784065	1435563	1716642	1637311	1675749	TRUE
1145277	1033960	1169228	1123628	1257193	1100134	1080920	1137797	TRUE
166814.7	152302	191464.7	195669.4	165694.7	192669.4	194882.3	198511.4	TRUE
199721.9	193373.6	255245.7	231026.2	189799.9	233925	244677.9	232446.7	TRUE

271160.5	241787.1	171669.2	137914	171339.9	160706.7	161398.9	144447.8	TRUE
342230.5	351767.2	330709.5	324469.2	387565.8	289771.3	389254.6	368516.7	TRUE
100292.5	91702.8	113677.7	117904.3	124986.8	119571	117327.9	141014.9	TRUE
323650.7	315429.8	300930.3	377537.6	360722	328597.6	353297.4	330061.1	TRUE
482738.5	502034	422102.6	521294.7	498495.7	448887.9	516217.4	489647.3	TRUE
215517.3	222664.7	156850.6	232042.3	222518.6	196972.4	248940.1	256720.6	TRUE
121981.7	131606.9	131563.9	149542	142615.7	144178.6	172387.8	150425.4	TRUE
167661.4	144084.3	186501.6	191221.2	177213.2	201585.6	190295.6	179385.4	TRUE
670023.1	667551.6	743519.4	722035.6	747643.8	734851.9	632522.7	703373.2	TRUE
255096.7	272009.9	304209.8	259402.3	267384.3	304715.4	289722.7	318275.7	TRUE
152151.7	146456.6	152763.5	178754.6	184585.9	145317.1	174633.5	166818.2	TRUE
462749.8	452412.8	550661.1	524327	405567.1	518293.1	510979.3	464519.5	TRUE
1479390	1499848	1155349	1387096	1410044	1246644	1565712	1509727	TRUE
932038.2	880609.3	725203.5	866555.4	828564	765926.1	902303.9	800485.6	TRUE
85564.4	78567.3	69031.2	83822.9	73643.7	76031.1	102595	81025.6	TRUE
177074.2	175096.6	172189.8	178184.1	179598.8	192991.9	165794.9	185571.4	TRUE
2445546	2294931	2163053	2502771	1983208	2550504	2349104	2222008	TRUE
403867	356079.4	360538.4	379277.1	385471.1	358682.2	385811.3	414007.4	TRUE
72973.1	62280	35973.4	51785.9	42302.3	47348.3	49766.5	59108.1	TRUE
151596.4	199431.8	122945.8	129718.8	144180.1	120701.6	170773.9	153478	TRUE
687877	706686	668982.2	578209.7	572714.2	672524.4	648281.2	584378.1	TRUE
330021.3	387413.5	363750.3	409525.8	366272	489904.8	418052.5	419542.9	TRUE
425689.4	486955.2	455857.5	537311.6	521527.1	451615.5	505976.1	549412.6	TRUE
114360.5	146319.5	110092.8	126853.3	154569.5	144762.3	126830	139196.3	TRUE
269411.8	262452.4	272006.6	283725.8	247277.4	274045.5	265340.1	283264.1	TRUE
77851.8	89358.1	69049.7	81075.1	82479.2	59048.2	116659.4	109273.2	TRUE
100429.3	156830.1	59043.7	152156.2	136499.9	70675	157680.6	174431.9	TRUE
34243.5	41431.6	17950.6	32053.6	38958.4	17964.4	45786.5	51310.5	TRUE
185067.9	197885.4	162678.2	203556.1	121167.3	187324.4	231637.5	200638	TRUE
274926	369133.5	281897.4	419722.3	101901.7	278273.6	341575.7	322283.8	TRUE
106801.3	125713	164706.3	198123.6	74246.5	163496.8	156075.2	153869.3	TRUE
48987.5	69464.3	61236	59282.9	37370.2	56451.8	59444.3	49631	TRUE
30321	13241.1	20985.9	8797.8	36804.9	9503.1	31202.3	23445.9	TRUE
118803.7	107862.7	87764	106711.7	111022.1	94055.4	135977.3	102066.3	TRUE
22167.6	23982.3	24264	35633.2	29099	16851.6	10419.5	14606.8	TRUE
59388.6	57715	62952.1	63459	58234.4	52286.2	44203.6	50500.3	TRUE
97174.1	84261.2	71174.2	83220.4	73925.3	76948.5	103322.3	89252.7	TRUE
273615.4	293246.9	242978.3	240397.8	246682.8	217888.1	303547.4	258524.6	TRUE
546238.7	529665.1	345248.1	493977.7	472856.8	380448.5	529660.2	453273.9	TRUE
287584	290396.2	297255.8	388644.2	396715.4	337968	429900	375647	TRUE
14655.8	9379	9192.7	6351.3	8462.7	5379.6	18579.8	21938	TRUE

65621.7	49730	48123.4	56967.2	50934.3	55935.9	65096.7	60685	TRUE
94869.4	88820.8	62751.6	80683.3	81898	89538	138216.4	92568.7	TRUE
42721.6	45711.5	21061.5	35146.5	22189.3	48740.5	83374.5	41473.4	TRUE
115339	93636.5	75020	101178.6	90936.5	123298.6	120341.7	122039.8	TRUE
18022.8	26024.6	21318.5	10878.3	19978.8	7937.4	10852.6	13030.1	TRUE
124589.3	117914.1	111923.9	113172.6	131621.3	161254.8	113041.2	148020.3	TRUE
143021.5	135679.7	151419.2	152898.4	117776.9	126938.2	149123.5	150144.3	TRUE
121133.5	121693	114827.5	113488.3	110528.9	125015.2	123402.9	129919.6	TRUE
47210.2	31397.1	45967	55636.4	29652.2	36545.4	39406.2	32544	TRUE
81436.2	69274.1	73892.9	65470.3	77413.5	91082.7	69665.3	84127.6	TRUE
593395.5	642614	389821.6	489634.8	618201.6	482155.8	593746.3	581964	TRUE
893172.7	955839.3	608693.8	774534.9	940721	600583.5	922237.4	875865.3	TRUE
276219.2	286317.9	221058.6	349780.8	270500.5	255730.8	344510	305329.3	TRUE
396379	446576	398069.7	457133.9	522975.3	390620.5	506021.9	483283.5	TRUE
26034.9	40676.1	34894.3	44786.7	46076.4	13314.7	24524.1	11262.4	TRUE
93541.2	128534.8	71118.4	78277	112134.3	73603	109997.8	123662.8	TRUE
861588.7	999635.2	989031.6	1041090	777985.3	749193.3	998664.3	812217.8	TRUE
1116200	1269120	1338667	1419283	1028136	1336545	1630937	1105360	TRUE
116032.9	120989.8	170710.3	175008	112510.5	147301.3	149991.8	157082	TRUE
47906.5	60220.6	56513.9	60759.4	47549	47000.9	56877.3	53205.9	TRUE
63094.6	64643.9	75869	69905.1	58135	55318.2	70564.9	68832.2	TRUE
1230766	1336265	1010471	1167043	1278302	972351.5	1380410	1285264	TRUE
160953.5	140241.5	116165.7	176012.5	148028.3	170006.7	185636.6	158019.7	TRUE
1539050	1404765	1450345	1660612	1235352	1301984	1367097	1295515	TRUE
2664200	2441026	2771111	2893446	2003277	2330453	2375559	2402368	TRUE
414104.6	358233.9	476226.3	508100.1	417065.9	474689.9	419106.4	412845.3	TRUE
60453.3	81488.4	58988.9	49217.5	65128.7	65388.1	68914.1	64992.3	TRUE
632469.6	796385.7	382067.5	521980.3	720796.3	421250.2	736431.3	717803.8	TRUE
227370.8	186789.2	262802.1	274582.7	155014.6	195937.6	233016	183197.8	TRUE
701915.9	656198.6	871516.8	856340.8	590448.8	717597.7	804658.7	715728.8	TRUE
4400108	4340243	5192843	5357801	3563631	4306513	4546656	4480199	TRUE
91298.1	95420.2	89407.1	99514.3	84686.7	87197.5	105986.7	91353.8	TRUE
41317.9	68412	17637.9	8550.8	37544.6	19460.1	36523.3	32002.4	TRUE
95153.5	98528.1	90407.9	92783.3	96014.5	152224.7	111972.9	100289.8	TRUE
45277.3	47001.2	47874.2	47610.1	49002.7	45128.7	39954.5	54976.6	TRUE
49072.7	56877.4	57087.7	62583.9	51960.7	61302	43351.3	45765.1	TRUE
38717.3	28114.4	32886.6	29617.1	27355.2	59810.6	13362.7	44473.5	TRUE
46738.8	27272.4	30224.9	67812.4	33651.3	38491.7	36862	42192.9	TRUE
35989.6	46652.3	39504.2	34070.2	60739.8	40624.1	55402.6	47204	TRUE
167306.5	158599.8	159134.8	158872.6	161097.3	139843.6	113045.9	134702.6	TRUE
39645.3	31771.6	24924.7	37503.4	31814.4	22563.5	34021.7	43244.1	TRUE
126861.7	73973.1	154007.9	152417.1	172239.6	143324.1	111055.3	137345.8	TRUE
799574.9	827472.9	745659.5	746265	813183.8	791175.5	891144	803049.9	TRUE
456506.1	420392.2	323342.9	325870.8	480443.2	512263.9	603118.6	487782	TRUE
34547.7	35926.6	31967.3	41992.6	42531.3	55239.6	43898	36513.4	TRUE
85297.2	53904.6	73594	88198.9	84760.9	81497.7	74483.5	89283.5	TRUE
43892.7	11310.3	40423.6	49270.2	41810.7	45975.7	27501.5	47306.1	TRUE
14471.6	20550.2	16118.7	7855.9	10519.7	12750.9	11213.5	20538.2	TRUE

128110.3	125665.3	103690.3	134364.8	105325.6	125370.9	135551.6	148966.3	TRUE
599112.2	521821	481108.1	621379.2	547859.8	515136.5	442876.6	527232.5	TRUE
132349.7	86938.7	117076.3	115772.5	106865.9	150607.6	117891.3	135318.3	TRUE
148049.7	153691.9	162627	98313.3	167951.6	123925.4	177066.7	113319.3	TRUE
232106.5	215657.5	160127.9	296678.8	345623.4	162645.1	242764.8	309710	TRUE
23057	32019	17785.5	35618.8	33500.1	16061.4	36834.4	37055.8	TRUE
24527.3	21645	12257.7	27079.5	29922.7	16059.6	22664.1	31806.3	TRUE
55895.5	46139.8	49719.1	46453.2	61437.9	43777.4	55533.9	64676.8	TRUE
23553.3	35469	25201.1	32361.2	15266.9	43690	35998.9	27170.8	TRUE
264537.3	318235.2	273743.4	269230	156907.7	348114.7	370977.7	313576.3	TRUE
27585.4	34432.4	29852.2	10355.4	21152.6	29569	40134.7	38536.3	TRUE
146227.5	139124.4	121055.9	117779.8	127374.9	169747.8	163913.4	171142.5	TRUE
98017.5	86838.1	92094.3	102688.7	112169.8	105312.9	91847	125392.6	TRUE
36518.9	28914.4	47495.9	32536.9	37649.7	38580.1	26550.1	35528.2	TRUE
82044.1	136912.6	117218.1	90198.8	129181.3	90547.3	85968	73583.7	TRUE
103532.4	133002.5	90705.9	149842.1	143384.7	80249	102603.1	96539.7	TRUE
410858.8	324342.7	434296.2	434827.5	476893.8	462553.8	306644.7	456353.2	TRUE
205686.9	270464	149721.6	169718.7	222353.3	224469.8	289702.5	268017.1	TRUE
1497690	1456233	903572	1031922	1630154	1484436	1679944	1658249	TRUE
54269.6	40218.2	39886.4	46032	59276.1	66448.7	46973.3	62552.6	TRUE
53185.7	45114.5	49610.8	65557.8	70657.4	82464.1	59717.7	84844.1	TRUE
891970.1	605409.3	1136233	974759.3	1011567	1160473	707428.5	984259.6	TRUE
1868013	1251730	2026709	2007745	2043166	2412544	1501153	2311785	TRUE
352041.8	306560.9	143710.1	194349	272963.4	312740.1	293800.6	310956.7	TRUE
45869.4	48087.4	51659.9	37549.7	48894.8	42870.9	53576.5	60993.3	TRUE
109352.7	100283.3	80823.8	115047.6	117816.3	125644.5	95399.8	134216.8	TRUE
65955.8	50257.2	53008.6	68978.3	81157.6	61222.5	53482.7	64126.6	TRUE
166541	150493.4	104487.8	117115.5	136258	178915.2	146179.3	170073	TRUE
17947.9	25802	5851	25388.5	16968.5	29543.5	11450.5	28027.9	TRUE
94912	107825.2	75853	108468.8	117500	128269.1	133686.1	136156	TRUE
165588.9	132915.2	142230.4	114765.5	146220.3	116219	118227.1	124119.3	TRUE
52321	40792.1	74509.1	59179	57106.5	70391.3	51488.8	71208	TRUE
680768.8	725315.4	564549.7	549536.3	774600.2	727916.8	781623.4	730127.6	TRUE
682568.5	762401.1	442852.6	490359.5	747906.6	783581.3	741634.7	753321.2	TRUE
20731.3	24144.4	27950.4	34339.3	55705.2	44095.7	34734.7	33704	TRUE
81327.4	100912.6	71383	110356.1	112269.4	95260.5	126668.5	69986.6	TRUE
51005.7	52321.7	43864.7	44568.2	39714.7	53905.4	53318.7	34886.5	TRUE
531503.1	423936	450187.6	460094.5	611631.2	652922.1	432261.5	654802	TRUE
65399	57186.3	64704.5	77977.6	74367.3	50165.6	74158	73194.5	TRUE
233613.6	105344.9	271291.8	221260.4	185673	304693.8	146962.2	160935.8	TRUE

211989	166073.9	223653.3	214567.3	185605.8	236038.4	152062.4	194995	TRUE
332197.4	253982.9	384318.1	316972.4	300855.9	408525.8	307657.6	319095	TRUE
56274.5	87992.7	39183.1	45202	67649.7	62323.9	59780.5	63858	TRUE
1089256	547019.9	1261392	1342239	809553.6	1335701	704150.9	853179.3	TRUE
2285811	1102501	2683538	2933217	1701774	2838400	1318911	1849081	TRUE
973376.6	462686.2	413977.9	406613.4	782996.8	809603.5	515253.6	788339.4	TRUE
48031.6	91659.6	90642.3	59428.9	79966.4	38259.5	33676.1	38440.6	TRUE
2069378	1617477	2135698	2355941	1849862	2235272	1842518	1921386	TRUE
2291734	1902540	1827204	1820606	2318655	2728518	1962025	2566211	TRUE
531147.7	449199.3	553577.6	537656.5	594315.4	600422.8	504390.6	631472.1	TRUE
61280	50610.7	45975.6	63909.2	43586	63585.5	59296.5	71486.9	TRUE

181621.2	134026.2	238913.3	190904.7	178405.9	234426.5	139717.1	204842.5	TRUE
215876.6	165657.3	236443.6	253227.7	260311.9	218961.1	171469.3	248714.5	TRUE
95278.2	95697.1	110370.3	111412	107159.5	114241.5	83118.2	120160.6	TRUE
220708.4	266087.4	404862.4	215894.1	195596.8	242499.6	183280.9	195174.5	TRUE
29138.6	9763.9	22565.1	5165.3	17783.4	42365.4	12649.9	15324.1	TRUE
71551.3	60622.3	60485	57565.1	59339.6	80103.8	74531.7	84802.2	TRUE
180178.9	180888.9	173241.6	170969.3	185538.3	223798	209886.6	207311.1	TRUE
568808.5	427476.1	642127.6	845956.7	577107.6	776609.9	534762.1	610522.6	TRUE
344898.6	287305.3	424259.1	518182.6	389837.7	484426	300705.5	412867.6	TRUE
183101.2	128624.7	187983.2	228903.7	175259.2	222749.2	166353	190567.6	TRUE
93499.7	87573.4	56119.7	81883.3	112610.7	124572	86292.1	116847.6	TRUE
91750.7	81378.4	55497.7	74534.9	114338.5	120751.2	96581.5	106839.3	TRUE
211392.8	205983.9	172888.6	216753	277808.5	299315.7	226720.5	303313.6	TRUE
313282.3	292043.4	220124.6	262537.8	414199	438878.4	326781	421517.9	TRUE
212872.5	153987.7	215036	252245.1	174078.5	239591.4	168793.8	170929.1	TRUE
37331.7	35680	31740.1	45058.8	38434.3	53105.1	35946.4	45636	TRUE
923033.1	758174.1	914467.3	1243132	938715.4	1072844	872048	1013401	TRUE
1105866	976276.8	910548.7	934984.9	1301833	1423872	1154666	1405929	TRUE
1137116	1032970	964643.6	980663.6	1440459	1488265	1161435	1476138	TRUE
44838.3	70098.8	53502.1	62955.7	70236.8	51387.4	51159.8	33213.6	TRUE
242592.2	241154.2	237621.6	260991.5	189911.1	259807.3	224574.7	225043.3	TRUE
256922.1	191124.5	184623.4	220935.8	162896.1	193256.4	173507.7	171701.3	TRUE
280221.4	238331.5	340608.3	347681.9	245264.8	361100.3	236962.8	276483.9	TRUE
896263.2	702776.6	816157.6	880311.3	696015.6	881708	719643.5	798131.9	TRUE
582510.7	635341.5	1069804	568619.3	643525.5	615018.3	492152.9	619006.9	TRUE
102292.9	82522.6	124336.1	98674.5	121778.2	127189.2	80190.8	117568.8	TRUE
415765.3	318545.6	390683.1	526833.6	459211.9	680600.3	558792.6	615407.8	TRUE
290230.1	271494	263008.5	226287.8	266661.7	289386	269826	318031.3	TRUE
662240.6	645671.5	547444.5	769926.9	697862.4	666995.4	711528.1	699622.4	TRUE
704029.6	964779.4	629303.3	652962	823303.1	669530.9	706095.2	784475.5	TRUE
463149.3	526950.8	417144.6	479124.6	527906.8	400026.3	493491	549860.1	TRUE
42530.5	82358.5	56975.3	70494.7	99143.3	28316.6	65570.1	34703.9	TRUE
844886.3	771658.7	937703.3	866751.4	712604.6	771279.5	844190.9	763363.6	TRUE
2316926	2359840	2651161	2397518	2086575	2259258	2289452	2127441	TRUE
646398.4	615184	675642.2	701435	574928.8	698057.7	766875.4	720966.2	TRUE
20926.4	19943.5	12176.4	8111.9	17746.6	10644.6	18788	8678.4	TRUE
145377.7	144775.5	126186.7	146530.1	127274.8	170077.2	174934.9	161069.6	TRUE

337719.8	301464.4	237064.8	292248.5	247128	255216.3	300348	302412.7	TRUE
85587.5	39052.9	39776.5	46227.2	91692.1	65932.3	45014.2	55901.8	TRUE
31551.7	24007.9	26827.3	22435.3	23179.5	25047.3	26815.3	36895.5	TRUE
141560	181816.7	98761.7	189453.7	235484	130676.8	180788.4	220801.9	TRUE
86791.3	81796.7	65313.6	95281	129362.2	79141.6	117351.5	144961.1	TRUE
472138.5	382029.6	404612.9	530326.8	432118.9	486039.7	492263.8	471025.5	TRUE
145621.5	142789.9	151237.5	220701.8	135743.5	191992.3	238635.5	158971.6	TRUE
1409376	1297390	958292.9	1378929	1402832	907514.5	1410194	1372815	TRUE
221250.3	194404.9	235927.9	335814.1	283625.1	262797.8	272898.7	278661.9	TRUE
1241015	1257626	1135163	1507646	959076.8	1324505	1348771	1349303	TRUE
24736.2	28788	34457.8	45149.4	41209	30883.1	45432.8	40029.9	TRUE
31426.5	40826	29668.6	46233	47427	30778.7	36907.7	37111.9	TRUE
65988.7	48292.8	49124.2	67162.7	66311.2	45433.7	43230.9	72385.4	TRUE
1058187	885411.5	888548.3	1004546	1271461	969358.4	980381.1	1302486	TRUE
618967.3	593322.5	463951.6	540770	631427.4	499352	611459.1	693776.8	TRUE
313627.6	311248.2	223813.5	286572.2	325334.6	228531.4	310966	341430.3	TRUE
173440	176203.9	175687.6	228057.7	230123.7	196807.6	207743.1	235120.9	TRUE
674692.5	769915.3	736487.3	816037	540588.4	724979.2	802830.1	714214.9	TRUE
2263440	2467113	2353813	2484839	1754016	2333073	2658476	2277039	TRUE
97743.2	82197.1	98241.8	120647.1	98244	120709.3	112460.8	100737.5	TRUE
33645.8	41789.4	36866.9	26332.4	42015.1	28386.5	44242.3	47589.5	TRUE
202517	242191.5	110737.3	229990.3	357027.5	102601.4	226016	277418.6	TRUE
98049.8	105508.9	100381.2	83288.1	105358.7	116864.5	106188.9	95394.4	TRUE
19552.4	11037.3	22788.6	35988.2	46927.4	22178.7	33491.9	27772.1	TRUE
46240.4	79116	52373.1	73148.5	75253.6	67125.3	60077	95155.6	TRUE
82069.9	78622.6	108767.9	77926.2	98778.8	116936.7	89223.9	91453	TRUE
145899	136063	198642.2	116432.1	161438.8	202180.4	103198.1	168811	TRUE
42076.5	24851.3	31436.4	43112	52661.4	19262.8	36223.4	22728.9	TRUE
60027.8	58143.9	56602	61267.6	71991.7	56663.5	69553.8	63116.2	TRUE
145293.8	131837.9	137264.5	139565.7	140698.2	203570.5	153944.9	163754.6	TRUE
258950	235440	276202.5	290257.5	306049	278020.9	285157.4	293576.1	TRUE
295706.8	301012.2	310576.9	306623.2	366019.8	303643.8	360017.8	320527.4	TRUE
341954.6	356235.1	321174.7	367444.2	457051.3	329870.1	381743.8	513258.1	TRUE
1138036	1319420	1283948	1249731	1035625	1225210	1454831	1100588	TRUE
57079.2	67426.7	160468.8	86922.6	59029.8	55723.6	37940	48139.1	TRUE
756824.2	650175.4	656377.8	721942.2	842902.7	707846.4	769414.3	789794.4	TRUE
2286305	1986007	1912448	1899145	2440032	2135996	2146971	2062770	TRUE
65332.2	65347.6	79029.9	87893.7	83172.1	77232.7	69847	73355.5	TRUE

653683.5	563749.8	546390.6	582383.1	666220.6	569461.9	616534.6	671627.9	TRUE
64817.4	52381.7	52340.2	37149.1	37894.9	57703.2	56553.4	60617.9	TRUE
10017.2	8367.7	21626.9	7308.9	13163.3	10694.1	12180.1	9126.6	TRUE
31465	28817.3	27283.3	31762.6	42858.4	32572.4	36761	32832.2	TRUE
360620	314055.7	336631.8	358944.1	318099.7	354224.7	312838.4	310244.3	TRUE
176156.1	151714.7	137435.6	130611.3	136905.4	201352.7	128703.1	158981.8	TRUE
133029	134497.5	130964.1	133214.4	121601.8	156238.4	127670.8	136097.2	TRUE
407622.7	374437.9	375162.4	363324.8	351330.2	415627.5	344561.8	316532.1	TRUE
128824.7	120604.7	142685.5	151799.1	136089.7	151551.9	125538.9	156284.7	TRUE
100453.7	77188.8	121143.8	117173.6	97828.1	124851.1	91209.4	108938.8	TRUE
566443.5	545614.6	546432.4	552551.2	551672.7	544960.5	534359	553945	TRUE
350150.4	327428.3	267843.9	297605.7	420603.8	341311.8	310886.2	369292.3	TRUE
426250.8	398296.2	441338	362612.4	409948.6	434697.1	406467.5	429281.5	TRUE
443005.5	450627.9	346734.6	435815.9	438162.4	378089.3	390392.7	471457.2	TRUE
7329486	6619417	5513263	6849895	7737233	6494699	6663475	7650843	TRUE
83237.7	98846.7	91213.7	56999.7	100645.9	74477	90857.6	85512.5	TRUE
156464.9	198619.9	197928.6	165399.4	162525.8	208152.4	186208.4	131886.3	TRUE
91981.3	94654.9	104492.9	75513.8	61473.7	107694.6	114391.4	71950.4	TRUE
84082	83625.7	137467.4	74477.1	61770.3	150897.8	96170.1	53711.5	TRUE
281581	137822.2	281415.1	260920.1	504004.2	183655.1	177987.4	199850.8	TRUE
91673.9	99593.9	161028.6	107785.4	76455	151264.6	108948.7	89417.5	TRUE
119163.9	123242	187389.4	93787.4	87055.3	191079	138138.5	78420.2	TRUE
139395.9	153844.8	232841	172127.2	125993.3	259749.1	190022.9	146566.9	TRUE
206913.5	212904.4	339817.6	239972.7	225781.4	376769.3	292788.4	208945.3	TRUE
68709	66629.2	90378.5	49102	54509	74943.1	66905.1	45362.2	TRUE
147729.2	178290.3	201907.5	174891.5	148720.6	181754.6	197187.9	145280.2	TRUE
100007.5	76793.1	76659.1	132055.4	134249.4	90807.4	65907.6	109990.5	TRUE
691298.1	885818.2	831891.8	534210.7	461420	936724.5	880284.3	521939.7	TRUE
53220.3	69441.6	58334.7	44136.1	54904.8	58759.3	59317.7	42014.5	TRUE
683701.4	665011.3	790408	739757.4	899483.2	490876.1	660205.6	507218.3	TRUE
76403.4	74371	124092.9	43845.6	68746.6	104138.3	69095.2	119695.8	TRUE
70553.9	64076.5	52307.5	71171.2	51906.5	100163.7	68701.2	75281.6	TRUE
64337	34658.8	46502.9	94188.5	85713.3	40895.6	53813.6	37746.6	TRUE
25968.1	31151.5	29823.3	48069.3	50442.9	4318.7	26090.9	25560.3	TRUE
301673.2	332706	456884.4	315769.3	285955.3	519389.1	356276.7	240420.9	TRUE
562390.4	424731.1	606103.6	632442.6	682924.2	457944.4	450830.4	450718.8	TRUE

154678	107471.9	144090.5	183710.4	164622.2	112254.1	114521.2	115610.4	TRUE
202775.2	221198.7	309613.9	171890.6	158838.2	348361.1	231257.7	134193.4	TRUE
274882.7	339816.5	339518.5	246998.4	248665	484243.8	324805.1	242962.8	TRUE
31839	25349.1	7794.7	35207.9	33073.2	8773.2	30433.8	21130	TRUE
47925	27132.1	42993	49700.8	74466.2	21860	33208.3	22672.6	TRUE
179512.1	161211.9	262969	181789.6	208094.4	291686.7	187307.3	166332.9	TRUE
128881.6	98049.6	93370.4	108127.8	150239	72461.5	69466.8	99692	TRUE
247382.3	230873.7	333232.7	237533.8	313723.3	327874.8	245848.7	335264.1	TRUE
88247.2	86169.7	116255.7	85075.7	60159.9	111222.8	60324.1	63374.3	TRUE
103702.1	73954.1	138889.4	87408.6	191462.7	72599.9	73461.3	74800.2	TRUE
636169.1	591791.1	586437.3	656867.3	971542.8	479582.7	538914.6	525150	TRUE
56015.4	47568.1	49234.2	44055	39352.7	52706.3	39006.4	42311.2	TRUE
156572.9	150884.3	143120.1	177059.2	159063.5	174315.4	149041.4	171909.5	TRUE
708842.3	583409.3	723183.5	731174.4	937520.8	781304.8	597707.2	787724.8	TRUE
1106283	925599.1	964265.4	1100979	774002.5	1057693	931491.8	867467	TRUE
384872.8	356809.6	352973.5	410560.8	387768.8	422190	304156.8	405758.8	TRUE

414206.5	619982.6	391767.4	1212656	398859	423951.6	407496.3	333427	TRUE
422378.4	426077	487678.2	390697.2	407251.5	444054.6	496546.7	428750.5	TRUE
190486.1	184232.9	236007.4	201502.7	145437.5	233096.4	185739.2	157761.9	TRUE
70033.2	48710.9	59455.7	55960.5	41023.5	55078.2	50895.8	63247	TRUE

93865.5	73557.7	64702.1	74765	54338.7	108859.6	89485.3	95909.4	TRUE
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387514	303498.6	380463.1	425788.7	321355.2	435930	365305.4	460982.5	TRUE
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436052.6	403808	440089	429650.8	418050.6	456147.7	439282.3	383944.1	TRUE
221641.3	229923	233598.8	226365.4	243838.3	247135.1	251119.6	210506.4	TRUE
924542	763829.2	1009388	969261.1	984265.1	859463.7	777842.9	857260.1	TRUE
733541.5	575637.6	734600.5	683775.1	737403.6	710375.3	618211.3	703102.4	TRUE
57778.8	56245.2	54319.5	55682.3	47693	60243.6	58446.9	47236.5	TRUE

162954.5	145792.4	131529.4	155101.4	131837.5	214933.7	159298.8	175390.7	TRUE
102947.5	74042	77412.4	94782.4	82567.1	131495.3	106609.6	99022.4	TRUE
105208.1	100179.3	75944.1	107186.8	111031.2	143665.1	112835.8	140611.8	TRUE
172949.1	176946.1	208688.5	374034	292193.7	230387.8	246838.8	181503.6	TRUE
57186.5	57408.2	73822.1	84660.3	45536	70971.4	87212.7	62153.6	TRUE
61964.8	58581.5	65288.6	71300.2	56365.7	57952.5	51753.3	46928.5	TRUE
50122.5	37163.6	49499.3	54846.7	54650.5	98166.2	43889.1	53896.1	TRUE
52311.4	36301	53761.6	50644.1	64277.6	62043.1	41849.3	42044.4	TRUE
103930.3	103695.8	87442.2	111090.5	124603.6	79309	132039.8	120365.5	TRUE
212277.6	205398.9	264467	252738.3	178026.1	265449.9	201973.3	223002.7	TRUE
606099.4	562513.2	576970.7	603812.9	496471.9	573255.9	553839.4	658697.6	TRUE

977275.2	825833.7	702538.5	937291.9	939437	781119.5	928657.9	1050253	TRUE
436476.1	364715.3	418018	390307.9	413480.1	426638	403088.1	383936.1	TRUE
435711.5	374623.2	388550	443653.2	409016.2	369081.8	446892.1	411931.7	TRUE
538603.8	506734.2	579646.9	568614	502791.9	558407.8	565544.3	548004.3	TRUE
90071.2	71096.5	103921.7	67450.8	78337.7	122154.8	83695.7	84364	TRUE
48328.2	48985.8	40951.8	51473.1	41473.8	38982.3	48403.2	47602.7	TRUE
32168	39187	34858.1	63089.7	31490.3	33649.6	45731.3	42331.6	TRUE
79944	346994.2	78849.8	90685.3	93428.3	87800.2	86579.4	90332.2	TRUE
2059350	1996542	1809133	2137376	2071865	1917110	2011470	2197063	TRUE
923506.8	880822.9	854900.6	898937.4	951244.4	861096	914797.3	989479.4	TRUE
21196.1	23845.8	24074.2	7218.4	32766.7	18571.2	9100.5	28989.9	TRUE
29404.5	29798.5	41112.9	38752.6	38838.6	22461.6	42779.1	39864.5	TRUE
408391	176977	201350.7	370149.7	137517.5	293575.1	292803.8	228978.7	TRUE
40904.2	27711.7	48944.6	33035.7	27828	32935.1	41473.7	31399.4	TRUE
158901.5	147760.2	137593.4	173642.3	138186.5	149547.8	145659.4	176080.2	TRUE
1238933	403836.1	554574.3	729007.4	835396.2	1447318	598200.4	1558833	TRUE
220805.7	170286.3	187378.6	191020.9	210449.8	215558.1	210062.8	250117.5	TRUE
132023.3	119628.1	118312.4	117419.5	106247.3	127919.2	135859.9	140364	TRUE
82720	87561.2	71783.7	91352.4	70514.7	57016.8	92397.3	93792.8	TRUE
130439.2	92434.8	104348	116084.2	98079.9	144023.1	98520.3	130117.5	TRUE
171701.3	138057.5	142130.3	172718	133066.3	181460.2	128821.5	181200.4	TRUE
425124.7	407321.5	202909.1	232534	290145.8	224301.9	249385.7	311300.4	TRUE
37435.8	31359.3	19575	22578.3	19859.8	29070.4	31802.8	20547.3	TRUE
49666.2	53147.8	47156.5	54194.2	50266	44364.2	54152.4	65017.8	TRUE
92305.5	88094.2	89597.8	78641.7	89643.7	112644.5	110892.2	103071.9	TRUE
379163.3	267788	191589.7	269820.7	286273.7	319864	372563.8	391104	TRUE
38061.9	30974.4	21316	31668.4	28315.4	28024.8	51427.1	53651.8	TRUE
40735.1	32767.6	22187.1	32440.2	26601.1	32052	51271.8	48195.4	TRUE
1072730	956267.5	1057393	1192030	929784.6	1247195	1207689	1413503	TRUE
123187.2	122610.8	93931	116273.4	112406.8	147606.3	146560.2	157276.1	TRUE
742288.7	642361.6	726234.1	781458.3	912471.3	668674.9	663954.1	686727.1	TRUE
153099.3	133415.4	203646.9	124818.2	124116.2	200627.4	150553.5	113337.3	TRUE
263907.4	296140.5	340112.3	288335.8	279621.9	337350.2	319796.2	303644.2	TRUE
178189.6	172253.5	254408.9	237991.7	182168.1	286461	236844.7	212849.4	TRUE
186735.8	116392.8	157083.6	156512.4	262402.9	127039.3	130241.5	156645.7	TRUE
256512.4	211501.9	209884.1	227815.9	304520.3	197349.3	188603	201474.8	TRUE
294947.8	284190.8	372029.6	281416.3	254154.4	388491.3	301599.7	244532.7	TRUE
246417.3	258660.1	261343.8	177268.2	188240.9	257397.7	218057.6	171386.9	TRUE
175354.6	154741.8	149500.2	152392.2	130614.2	169528.5	151358.7	155619.3	TRUE
447547	398545.3	611263.2	515145.8	474663.6	609934	483434.7	475305.5	TRUE
429009.5	366652.5	724857.6	452317.6	389052.8	812424	505906.6	451601.2	TRUE
81153.1	66054.6	66753.2	60635.9	59810.1	68320	75439	52399.9	TRUE
395581.8	364426.7	423870.4	496537.1	510700.4	407654.9	390430	429671.7	TRUE
624061.1	445237.9	560229.3	630640.1	885440.3	620170.2	546139.8	515440.8	TRUE

81756.1	84714.6	114485.4	124400.7	117771.6	64343.7	83166.4	98628.4	TRUE
77640.8	83085.6	98259.9	66008.2	59445.4	92608.2	60324.4	66222.6	TRUE
412187.3	395745.2	564034.4	343330.8	281859.1	535782.3	415293.9	280097.2	TRUE
562081.4	494754.9	777722.9	393856.5	347233.3	806860.3	527091.9	359800.3	TRUE
81300.3	70004.7	71136.7	69805.2	75523.5	118625.7	81773.9	76963.4	TRUE
92862.4	84724.1	83138.8	110958.6	109827.9	145347.5	113321.9	130702.5	TRUE
155650	141549.4	163985	165101.4	201238.9	157914.4	130577.2	160899.7	TRUE
157884.5	145844.7	214743.3	123350.5	100878.6	236257.2	175555.4	137846.1	TRUE
63513.1	54311.3	88092.2	57780.4	39949.4	80500.2	71197.9	51492.7	TRUE
38170	34545.6	37599.7	32310.9	30774.2	51832.3	37344	23656.4	TRUE
124948	118933.7	173114.3	95219.4	98448.3	182600.4	122462.5	113601.8	TRUE
43509.5	30657.2	54482.9	34987.7	50249.4	51951.6	41445.1	37741.5	TRUE
1560828	1054631	1564132	1501977	2277791	1270091	1130352	1337174	TRUE
725375	482340.9	756766.4	691280.8	1082636	614065.9	509488.9	649679.1	TRUE
129293.3	137169.9	152671	138609.2	91682.5	176221.1	108090.9	115478.5	TRUE
264697.5	261489.9	294828.5	320399.9	318362.7	286983.8	314347.5	307333.2	TRUE
105812.2	102607.2	149909.3	85343.3	79981.3	146377.8	107867.7	73141.4	TRUE
35951.1	29410.7	14181.5	24473.7	19285.3	17570.6	24313.5	25671.1	TRUE
119266	113502.3	98636.4	98995.1	113791.5	109771.8	121201	126412	TRUE
60390.2	80348	58197	64622.4	78567.9	52964.2	80571.3	60047.2	TRUE
98325.5	93283.5	110239.2	74881.7	92256	83982.7	101900.4	87305.2	TRUE
142583.7	192447.1	82860.3	156638.6	161160.9	117195	215774.4	213787.8	TRUE
336623.5	343866.1	226017.1	348618.3	328499.9	303952.1	400188	381468.8	TRUE
34218.9	38010.3	50241.1	53148.8	24783.8	35160.2	40780.1	37410	TRUE
73142.4	96401.8	90561.3	79893.3	63687.8	68047.4	79817.5	86606.4	TRUE
203933.6	252652.1	166857.9	217247.7	232804.8	189765.1	248266.3	243034.2	TRUE
303166.2	259726.8	282516.5	323789.4	238776.6	238933.7	299758.2	258329.4	TRUE
204454.2	160582.6	212188.5	260918.4	168528.9	209429.7	196438.3	188136.5	TRUE
78045.3	83190.4	99454.8	70439.2	117787.7	101140	105379.2	123862.5	TRUE
290808.1	315281.7	321837.4	327739.8	204979.9	252969.9	272424.9	260324.9	TRUE
429034.3	433933.7	490857.3	510597.2	355076.3	468376.5	489955.7	451372.2	TRUE
118328.7	182817.3	136854.1	163629.5	153235.5	98406.2	145334.9	140122.5	TRUE
224908.9	268616.5	325942.1	277651.8	201832.9	212672.9	265603.1	201755.6	TRUE
185058.3	204762.7	254257.2	229450.7	133294.6	159959.7	216825.8	140825.4	TRUE
931541	870092.1	1090697	1119385	745840.8	847512.4	966689.8	862858.1	TRUE
97152.2	99511.6	116787.9	91662.7	78727.1	94115.3	118881.5	91157.8	TRUE
89784.3	96149.9	48887.8	105709	71270.8	98255.8	111247.2	112601.4	TRUE
191898.3	190366.4	228075.9	211686	158828.4	176365.4	270379.3	197006.7	TRUE
129651.8	106984	97396.2	117364.2	100618.4	132538.1	119739.1	133423.6	TRUE

17870.2	23076.4	24200	20272	16180.7	23359.7	26737.9	33561.4	TRUE
24345.4	28423.6	9888.9	12946.3	16461.7	29343.8	11119.1	15392.1	TRUE
95645.3	76381.4	108860.3	114226.4	80077.3	101423	101393.6	64668.8	TRUE
52471.8	58795.7	57850.7	62415.2	74316.2	54156.1	58390.2	60187.1	TRUE
116643.6	100977.2	145605.6	124924.7	157181.1	121441.3	100731.4	123652.7	TRUE
147217	116778.6	181569.7	137280.6	93301.2	193745.5	135317.6	114006.7	TRUE
23033.3	8580.1	26124	27968	11563	30973.7	39093.3	12010.4	TRUE
56345.6	48525.7	40963	51170.2	35155.1	70547	41036.6	46590.4	TRUE
137179.4	96261	115070.8	123382.3	80384.5	176622.6	130698.7	106644	TRUE
41246.8	24014.4	30768.3	17670.3	21465.5	34317	27030.4	36135.5	TRUE
166345.7	107265.7	157904.3	150235.6	92620.9	177023	127280.9	96239.2	TRUE
26790.9	5650.5	24046.4	11717.7	8899.2	25538.5	12618.6	11025.4	TRUE
206546.9	265216	192001.9	223919.6	245345.3	218654.1	258811.1	277885.4	TRUE
117410.9	130544.8	132423	132786.9	130721.1	118613.8	131925.3	113283.3	TRUE
36916.8	47765.9	64141.2	48797.6	34168.9	54264.1	44736.2	40790.4	TRUE
9615	13149.7	9666.9	13794.6	10116	23693.4	6645.8	6520.4	TRUE
144516.2	122120.4	175052.2	157455.6	99723.2	189589.4	127268.1	101791.8	TRUE
34828.4	43216.2	40861.3	31533.3	30398.3	45629.7	47266.1	32327.5	TRUE
27481.5	27484.7	46744.1	36121.3	36542.6	30546.8	30455.8	38166.4	TRUE
33754.4	27743.6	38432.9	35288.1	35504	42257	35225.9	28169.3	TRUE
45482.8	40870.7	57513.5	40679.1	48321.1	69736.6	50130.5	61618.6	TRUE
69100	98701.3	139142.2	76650.5	63051.7	110856.4	99598.8	36888.7	TRUE
85384.5	55546.9	108382.5	95131.5	126257.1	67067.4	68173.4	77797.1	TRUE
92887	70755.9	86428.7	100377	149001.7	85928.5	93700.9	114003.5	TRUE
234350.7	157722.7	241067.3	308107.5	320859.5	228209.2	200943.4	209584.4	TRUE
154206.5	113464.6	132761.8	169852.4	183872.9	136535.4	149523.7	144917.1	TRUE
210032.3	216574.5	213714.5	181652.6	216623.9	247848.3	222793.4	211503	TRUE
557247	449551.7	551980.3	613381.4	686669.2	453389	473307	545759.8	TRUE
266622.5	230227.9	378631.2	292674.8	319764.8	233212.4	207345.5	221657.3	TRUE
61764.3	70691.9	94007.4	43017.9	60328	70288.4	64849.3	42306.4	TRUE
580268.3	606910.4	751341.1	437263.1	362045.6	804108	650284.8	426368.3	TRUE
285981.9	222539.1	315953.3	309238.4	393484.8	275354.3	228245.5	249351.1	TRUE
179039.6	120975.5	190074.2	209386.8	203163.8	157732.5	158888	148294.7	TRUE
426827.2	332032.8	519510.6	518179.1	615660.1	434414.9	335013	413657.6	TRUE
231419.6	166007.6	289729.8	280334.7	322154.5	159331.3	189007.9	210678.8	TRUE
61799.5	57996.6	64308.6	49484.6	53674.8	70371.5	68278.8	62785.1	TRUE
28897.8	21957.3	51900.7	29547.5	41089.8	29854.6	32830.8	25352.8	TRUE
258017.7	254981.2	271721.2	261190.1	244430.3	289035.8	255145.7	254110.7	TRUE
55515.9	38565.5	42802.6	47985.5	41799.1	51004.4	32077.8	44173.8	TRUE
17162.8	38838.8	43914.6	31741.6	46306.1	26293.7	34684.1	39333.3	TRUE
318208.2	291350.6	254970.4	317509.1	271798.2	313792.6	317838	322269.6	TRUE
1675332	1582053	1489538	1659406	1524048	1787397	1617535	1734119	TRUE

46794.5	40968.3	39733.1	27762.3	40644.8	50960.7	60943.7	25032.9	TRUE
366239.4	372618.2	378398.6	298024.7	285220	420429.2	396332.8	283301.7	TRUE
492240.6	472653.8	760642.5	467696.3	433915.8	723324.7	454793.5	468711.7	TRUE
46881.8	37503.6	60069.1	39505.8	43089.7	58927.1	56479.1	39378	TRUE
31700	35522.4	33241.8	33875.2	37312.6	42155.5	34100.8	36597	TRUE
230233.8	167753.7	473158.9	212438.2	127131.8	451218.2	196268.6	150190.7	TRUE
43887.8	40110.3	60105.5	44356.7	36633	65030.7	32424.1	43145.9	TRUE
43143.4	36751.7	55315.6	46175.9	43937.3	56604.5	20942.7	36448.6	TRUE
45785.8	54491.6	66444.7	58855.1	60889.8	58546.1	58196.8	60375.1	TRUE
181366.4	95594.2	174428.2	194973.6	222137.9	188320.7	146503.2	194840.6	TRUE
382892.5	265449.3	300296.5	335823.8	597968.4	436752.7	369226.9	416643.5	TRUE
95114	105887.2	83049.6	99182.4	107711.8	85883.7	85627.3	108109.2	TRUE
154899.3	123382.5	243761.4	175042.9	118271.4	223164	156145.8	111033.3	TRUE
157231.5	131294.3	164459.6	135382.2	104488	200236.7	129993.4	128291.7	TRUE
87167.8	70098.1	142715.5	61998.1	79362.8	156986.5	87098.2	71351.2	TRUE
60569.2	53614.6	48767.6	51901.8	70369.5	48870.8	55159.9	43860.5	TRUE
22942.6	26727.1	33276.4	29585.2	23507.4	23197.5	28091.8	30518.7	TRUE
251262.3	217302.7	486772.1	239820.9	170475.5	497284.4	199223.7	203941.1	TRUE
480894.3	298361.4	414726.5	392016.9	937364.4	445814.9	350820.3	495553.8	TRUE
223542.7	172837.6	152789.6	188984.8	180628.1	239467.2	224752.2	224044.5	TRUE
202242.4	176691.9	241259.9	196182.8	225605.1	205112.3	201131.1	205389.3	TRUE
163363.2	209467.3	191864	163472.2	182884.1	152357.8	177649.4	153412.9	TRUE
142658.9	150630.4	148789.8	168585.5	137512.2	155073.5	138732	153162.4	TRUE
137811.2	104052.3	149799.7	150923	143270.5	162212.8	133336.7	153316	TRUE
15862.8	28372.2	18065.6	25512.3	24470.6	4793.1	6290.7	7814.7	TRUE
202455.8	203225.7	209151.3	164909.3	206695.6	237076.6	228490.7	224932.3	TRUE
186214.9	182312.5	179231	169118.9	204069.1	203343.2	182850.2	201526.2	TRUE
174842.9	174810.4	157386.6	164797.7	176628.6	205005.5	196476.3	212056.4	TRUE
306157.2	318197	219072.6	236644.8	257976.8	275922.4	302325.3	296302.1	TRUE
194843.5	189224.5	211446.6	239903.3	204925.5	236757.4	186835	219759.8	TRUE
125490.6	102799.3	90065.2	139948.1	138542	137158.6	116336.3	118541.8	TRUE
234331	189884.9	223252.8	214883.7	240368.9	326786.4	214527.6	252999.7	TRUE
25935.7	26834.7	37446.6	30259.5	37089.1	47533.2	33245.7	41890.9	TRUE
20910.9	31107.5	17383.4	18255.3	25273	11584.1	5689.1	22896.6	TRUE
56520.2	48476	60330.9	63435	52954.2	47390.1	52879	60127.2	TRUE
116607.3	124291.2	128139.1	134378.7	129488.8	129291.6	133846.5	123634.7	TRUE
625496.3	596495.4	565059.6	642720.7	629808.4	677561.2	727768.1	597712.9	TRUE
85549	67494.6	94811	91589.6	110369.9	93465.2	93496.8	78516.6	TRUE
207924.2	163471.8	153080.5	179620.6	181853.4	200110.6	211093.1	223027.2	TRUE
57934.6	51551.7	47599.9	47730.1	49434.6	61770	54183.1	58788.8	TRUE

220030.1	181511.1	226663.1	225221.6	253870.4	235308.9	225444.9	235192.1	TRUE
26742.3	27479.8	36469.5	27043.8	20934.7	38112.3	17454.2	31995.4	TRUE
27889.2	30568.6	44928.1	36117.8	38314.5	48102.1	39863.2	40152.1	TRUE
159943.7	158589.8	119641.2	153342.5	118442	119379.5	167358.2	142819.3	TRUE
151646.3	127826	137650.5	167104.7	105496.8	138792.2	147578.6	161708.1	TRUE
270614.2	182025.4	304031	323559	276967.2	248899.2	217480.3	257452.7	TRUE
438412	464021.5	448661	511489.4	439579.4	453157.3	376027.3	499272.2	TRUE
502689.2	351558.3	537368	532831.7	433561.5	511642.1	385608.4	479537.3	TRUE
85524.9	79614.7	53544.5	74592.9	72213.3	52529.8	78472.6	68179	TRUE
29676.6	43811.8	50199.8	37234	44903.7	38538.4	38999.6	39670.4	TRUE
27800.7	21982.9	30241.4	45638.3	8514.8	12712.5	24557.4	12795.8	TRUE
1578481	1543285	1366361	1871859	1452307	1459383	1697777	1384164	TRUE
1385701	1386365	1206747	1544071	1216623	1299384	1491610	1301377	TRUE
1684665	1320109	1751046	1889129	1611226	1946624	1514179	1877383	TRUE
68821.4	65571.4	77772.9	90276	96846.7	76823.5	96163.4	100729.5	TRUE
225459.6	245683	234161.6	254257.3	204310.8	204345.1	258838	187330.1	TRUE
81463.1	55032.4	59248.9	68451.4	76968.5	125247.9	58451	86154.7	TRUE
713783.9	581033.6	760660.8	797745.5	591942	741034.6	667540.4	700413.1	TRUE
165351.2	166320.7	158131.1	162088	141894.1	188084	173879.5	160762.3	TRUE
354377.4	322079.1	333040.5	356414.9	369031.6	350147.8	365824.1	390622.4	TRUE
39053.5	9396.2	17274.9	27184.1	23719.8	42330.1	30560	38357.5	TRUE
205584.9	186794.9	147895.2	191196.5	256365.2	158250.4	151395.6	228850.5	TRUE
174732.7	190341.2	176103.4	183811.8	190182	187383.8	193066.3	190948.1	TRUE
172128	165399.9	200486	210165	179273.8	146827.6	211794.8	174754.8	TRUE
1499440	1348975	1214640	1519512	1515521	1343270	1377117	1458522	TRUE
162418.8	160754.8	116670.8	169209.4	169222.4	172175.7	181554.1	175200.8	TRUE
45916.8	63985.7	67704.5	55338.9	76829.3	56675.5	72532.1	78483.5	TRUE
131970.4	170071.1	105490.4	158267.7	150078.4	108183.5	155252.6	145898.5	TRUE
156498.1	186675	162529.2	196324.6	136466.5	159239.2	180321.8	154865.1	TRUE
76320.2	83798.5	96795.3	67748.5	90309.3	75202	91175.3	75044.9	TRUE
84288.1	86871.9	75278.9	89385.6	94103.9	88830.7	98049.5	96600.1	TRUE
87807.7	95445.9	64597.3	82284.9	85083	93704.6	87092.1	95599.4	TRUE
36518.5	28036.6	33170.2	24269.3	31015.5	32515.7	11948	28988.3	TRUE
96545.2	72261.9	111558.9	80362	72676.4	126222.6	96443.1	91933.8	TRUE
241053	231354.7	307599.4	187919.4	251597.7	335336.6	259277.2	250263.1	TRUE
53005.4	61447.7	62973.9	51800.9	64102.3	58280.8	67134	43961.2	TRUE
47007.1	39153.1	52567.5	45602.4	41247.7	32185.2	36429.5	40641.2	TRUE
69469.1	71004.8	58879.4	57360.2	73954	63432.8	60095.7	68719.6	TRUE
827821.7	625254.7	779270.5	886784.1	943573.5	712278.2	610518.9	832931.9	TRUE
142170.2	128199.7	111136.3	134541.4	90820.8	128306	111432.7	118096.3	TRUE

26113.6	45571.1	39110.1	62775.9	33785.8	41958.7	36860.3	32105.4	TRUE
40596	38138.7	38618.5	65285.7	59690.3	47056.1	46879.6	49275.9	TRUE
41644.4	49445.5	49707.9	39768.4	33077.2	50169.6	45937.8	44960.6	TRUE
85507	97738.9	82608.5	88359.9	79266.3	100266.6	95483.1	84544	TRUE
85660.9	74896.9	94931.6	78336.1	65623	85443.2	92500.5	69207.3	TRUE
86698.6	37383.6	62203.6	73077.4	46548.2	88190.4	63172.7	57604.2	TRUE
60805.5	53637	53856.7	61021.6	60049.4	78000.4	77297.3	70888.2	TRUE
721909.5	561698.5	817100.7	821339	695433.5	680766.6	586995.6	618426	TRUE
107337.1	95935	111037.9	101807.1	75902.8	157412.3	132019.8	146593.5	TRUE
159350.2	196337.2	186863	182173.1	160387.5	168239.8	167414.6	156222.8	TRUE
160997.4	223820.8	146091.1	220501.9	145282	171207.8	180580	150513.7	TRUE
102147	96596.5	117739.7	103381.7	103874.4	133258.1	106499	104536.5	TRUE
105345.3	104117.4	98366.1	104246.5	92850.3	129981.3	92731.1	100307.1	TRUE
19929.6	11052.6	9952.6	10028.5	27138.1	21255.7	29838.8	32596.3	TRUE
926781.6	920489.6	996092.8	1176476	869281.8	980958.5	867307.6	933108.1	TRUE
100098.7	71947.1	94335.1	100510.3	120367.8	110136.3	128578.6	116671.6	TRUE
141630.5	132027.4	117237.6	156393	140114.4	153098	132777.2	144531.4	TRUE
102663.2	125150.2	105439.9	109906.1	109566.6	108812.8	139817.4	126181.2	TRUE
422300.4	401627.9	332784.3	447028.2	484069.7	367097.3	409740.3	468984.4	TRUE
299307.4	279598.6	202667.3	292180.1	352298.5	218821	327868.9	360440.8	TRUE
168463.4	177231.8	183129.7	163365.5	161154.7	166879	196691.5	210191.3	TRUE
117502.9	143843.9	105218.7	148172.1	96227.4	108744.6	135982.2	135622.8	TRUE
279397.1	277319.1	282016.2	273857.1	256330.6	275608.2	262025.4	291849.4	TRUE
55967.6	48684.8	51530	59847	54530.5	64560.7	46895.2	56996.1	TRUE
153358.6	125459.9	97264.3	152266.1	150468	141243.6	139589.3	191689.9	TRUE
150317.2	149714.5	110583.6	129951.2	129859.5	168065.4	162669.2	197252.3	TRUE
65372.7	67136.1	58017.9	88144.1	72784.4	74975	90772.6	72539.7	TRUE
32602	40018.2	21321.3	39325.5	31079.3	23054.8	38903.7	32483.8	TRUE
17183.9	4142.9	9556.5	28999.5	7561.7	6569.9	8293.9	18870.9	TRUE
19919.8	10135.9	24775.5	16280.8	22723.4	29679.1	29020.3	33140	TRUE
187009.1	188833.7	153881	166068.6	181257.4	165016.4	189730.4	195960.3	TRUE
762631.6	651283.7	660739.3	617642.3	821164.2	688318.6	642778.3	715343	TRUE
126387.3	130369.9	133545	126873.2	176243.2	154350.5	129234.2	148116.5	TRUE
111977.2	94387.9	101498	108954.2	133863.1	129532.3	96676	119385.2	TRUE
12567.8	10756.9	14284	37563.1	31391.7	30476.9	31637.6	27489	TRUE
34154.8	46393.4	37734.3	31198.8	48059.1	18197.7	27693	30647.5	TRUE
28534.5	67261.5	64823	60138.4	90345.7	27226.6	31451.1	32897.1	TRUE
36224.8	50044	29938.4	51604.1	40732.4	32616.8	51834.1	42112.2	TRUE
100890.2	91971.5	96578.4	105554.5	88740.8	99761.6	110301.1	133130.8	TRUE
97843.2	87495.7	98289.2	85019.9	101869	79112.7	98702.9	92706.4	TRUE
34460.4	49397.1	29366.5	28419.9	33961.2	33322.1	40503.6	36161.2	TRUE
4504120	3871304	3656861	4063097	4847358	4082454	3853657	4341610	TRUE
94947.3	91694.4	114084.2	130733.9	130556.7	115631.9	127719.4	124052.3	TRUE
90774.4	55874.7	86632.4	61227.9	79327.5	106624.8	67564.7	111172.4	TRUE
130930	118088.3	126148	101005.2	91412.5	129572.9	126523.4	120012.4	TRUE

139385.4	131329.8	143100.5	128445.1	182469.1	184022.1	150913.7	154447.6	TRUE
1072903	836112.2	713734.8	777123.8	744161.6	671836.6	674022.1	717985.6	TRUE
1690792	1446440	1114678	1197406	1173597	1122947	1087374	1105532	TRUE
539067.6	473070.4	690864.2	694196.1	630793.9	630537.1	583123.7	579256.8	TRUE
1038907	1091517	1027113	1189819	1094289	1138303	1103184	1097286	TRUE
179041.1	151274.7	164062.8	181107.2	180775.7	197223.6	159817.4	198411.1	TRUE
73000.5	49480.7	44933.2	62875	59267	66316.4	52877.2	68373.6	TRUE
79176.3	138682.5	131993.6	141972.3	163010.6	52560.9	52897.5	52016.8	TRUE
2458968	2117780	2181435	2210396	2346199	2317083	2374211	2219555	TRUE
5529632	4904736	4989299	5046989	5149429	5528909	5532818	4987805	TRUE
816938.1	787892.2	713954.4	719571.9	844975.2	865277.5	821392.4	835652.1	TRUE
42871.8	28267.8	43239.2	40028.5	47021.1	45020.7	30484.5	30682.9	TRUE
186912.1	149241.7	315018.8	174621.1	158085.9	257825.8	163902.9	221280	TRUE
210170.7	177804.1	163155.6	138072.6	248290	152669.5	157295.9	205647.1	TRUE
153668.3	123813.9	113596.3	75330.4	144350.9	97773.8	100600.2	152759.5	TRUE
151773.4	159104.9	162838.3	142527.6	173858	190799.8	152398.3	190481.6	TRUE
193588.7	207297	238898.2	184277.7	226822.6	228265.7	195403.2	227593.6	TRUE
103646.9	97638.9	91884.8	102313.7	132468.8	109879.2	95049.2	110591.1	TRUE
241728	234218.7	231033.1	228556.1	333407	251035.4	272818.6	304095.5	TRUE
167880	130430.8	157768	140484	191616.4	177123.9	152745.9	183317	TRUE
87404.3	62328.4	75888	73049.1	94801.1	85973.3	55602.1	102659	TRUE
94179.6	88878.5	83850.1	89391.5	97926.5	103682.3	80009	96348.8	TRUE
98767.1	89775.1	90728.5	82687.3	105798.7	122907.9	106998.5	131253.6	TRUE
383309.3	283984	341037.2	387202.5	397663.3	319556.2	364117.8	385557.6	TRUE
106698	72422	96890.2	118582.8	116703.5	100482.1	96353.5	115714.4	TRUE
105478.8	90575.7	70212.5	107487.2	100076.6	98668.1	100839.6	108707.6	TRUE
106876.4	92870.7	96835.4	116665.4	92128.6	104899.5	102339.2	110719.4	TRUE
73063.1	63023.6	74260	73830.2	72456.5	72321.7	73416.9	71597.2	TRUE
37395.5	14191.8	26769.5	15241.2	24508.3	35276.7	10842.6	38522.8	TRUE
25273.7	12772.4	9577.4	14456.2	25050.9	25393.8	13056.9	27236.9	TRUE
42765.1	59986.7	44757.4	63159.8	67301.8	28193.1	37243.5	25973.3	TRUE
42200.7	45695.8	31823.5	54520.1	50508.3	57414.6	49815.5	54261.2	TRUE
433098.3	454780.4	403108.7	464894.7	420832.1	441957.4	412273.6	461185.7	TRUE
299725.1	342194.4	408923.5	334808.3	306888.5	312257.6	338659.1	322926.8	TRUE
96797.9	106434.6	112186.5	101948.1	131509.5	112351	97826.9	129158.3	TRUE
868296.8	816322.4	752649.3	910315	921372.9	784941.1	849991.6	1013290	TRUE
276094.7	252267.9	256061.5	277764.7	292569.1	255712.2	261612.9	330998.6	TRUE
529045.5	412838.9	477026.8	552063.5	677217.9	519946.3	509748.9	601892.7	TRUE

2829166	2434424	2484203	2959933	3504794	2528054	2812289	3016233	TRUE
403563.5	410298.9	394980.4	460638.8	444204.3	422224	401786.5	487103.2	TRUE
500730.3	408229.9	387119.9	522802.9	552488.5	486790.6	439931.8	553640	TRUE
480000.8	482071.7	451827.1	541151.2	520488.3	466498.6	474256.1	537648	TRUE
91193.1	69355.6	73199.4	74208.5	105662.4	106422.4	82946.7	97245	TRUE
188107.1	177423.5	168541.5	183941.4	222916.3	187812.3	202316.9	248870	TRUE
67425.8	75815.5	57711.7	79297	78875.1	64231.8	53214.5	72155.2	TRUE
89184.3	128661.9	73017.3	107867.1	125307.9	70315.9	73683.9	71274.6	TRUE
90714.6	121202	77864.1	103507.6	114067.9	48264.6	40558.7	56648.3	TRUE
32197.3	28971.7	34238.5	32439.8	38650	30076.2	40159.4	47655.9	TRUE
136426.6	101482.2	86865.2	104798	108886.4	96831.9	108444.3	111878	TRUE
101998.4	208600.9	129105.7	255727.8	279267.5	65474	35284.4	63668.1	TRUE
83940.2	135098	81494.9	178870.8	207393.8	47237.9	32724.7	50414	TRUE
65128.3	74750	73136.9	66560.7	79293.5	49112.6	45091.6	51697.1	TRUE
39580.3	31968.2	23028.3	41033.1	49606.8	31903.3	50774.8	53363.4	TRUE
57040.8	48912.3	56995.7	67914.3	52045.7	77861.1	80638.5	72127.7	TRUE
94524.5	53193.5	65581.1	97240.6	92094.2	79257.5	86073.1	108882.4	TRUE
735760	722114.5	644432.8	649515.9	672459.4	691891.6	727026.5	722102.6	TRUE
131347.7	158278.5	176661.6	157824.8	150654.8	168848.5	179960.2	132338.9	TRUE
184336.5	216059.8	178880.9	212884.4	169801.2	219611.3	237043.3	186334.6	TRUE
3390220	3278690	3435978	3292906	3053775	3392278	3496354	3282335	TRUE
539287.7	552092.9	411980.4	467139.4	452530.2	542897	559319	573075.7	TRUE
509952.7	515965.4	487926	527008.2	481946.4	550163.6	523123.2	539800.3	TRUE
477707.3	511234.3	385479.3	450011.1	452447.7	496344.1	518813.7	496996.2	TRUE
94416.2	85284.5	75711.8	90369.8	98575.9	79348.9	78153.8	90104.1	TRUE
38747.2	28066.1	28085.9	24728.4	36824.4	33616.3	34298.6	27302.3	TRUE
34345.8	30332.3	31525.9	36143.4	37124.8	49929.5	42440.9	37405.9	TRUE
74270.5	65979.1	74042	81201.7	91796.1	83301	67185.6	83783.9	TRUE
104261	90417	91076.9	75256.2	127329.4	96958.6	105482.5	114924.1	TRUE
63915.6	68915.6	48063.9	61018.2	68721.7	63186.4	67449.3	53081.1	TRUE
80379.1	73164.7	82741.4	76612.6	108285	71937	76512.6	97070.3	TRUE
43148.6	38304.5	43767.2	46394.4	61896.3	59075.4	44552.8	52891.3	TRUE
181953.9	443967.8	282869.2	350727.6	392834	121275.3	86177.2	115426.9	TRUE
76168.2	191973.5	94546.4	152740.5	176652.7	42045.7	28178.1	51240.6	TRUE
182483.7	294572.5	238654.1	273822.1	289890.1	178184.3	173541.5	180873.8	TRUE
20188	13274.1	10734.5	14396.5	16425.7	13519.9	29894.3	16514.8	TRUE

93994.1	77872.8	76523.4	105127.3	83560.1	80385	83324.6	100425.3	TRUE
1187798	905739.7	1006941	1153424	1035009	1079706	981951.6	1221477	TRUE
83255.2	43626.5	63272.2	69161.6	75874.1	72672.7	47595.4	73841.5	TRUE
134314.5	138626	176920.7	165934	164076.9	165458.7	154323.3	156578.6	TRUE
443817	415691.3	475026.6	542638.8	586745.1	496172.9	630628.3	603808.1	TRUE
58084.2	47172.6	66447.8	76650.7	81234.4	67859.5	51963.6	87851.5	TRUE
170927.8	233596.9	195404.4	248364.2	295904.3	139580.4	150497.9	126368.6	TRUE
486103.1	734005.5	534301.5	739548.8	745705.5	477675.7	479625.3	503248.3	TRUE
51670.7	143611.6	102538.7	95563.6	135889.4	27938.5	28926.7	14262.2	TRUE
147830.3	117389.6	109388.2	151504.3	132012.1	301410.9	159226.3	185704.7	TRUE
317043.2	272347.8	263791.7	312536.3	361275.8	268686	306153.9	359582	TRUE
201419.7	195044.6	174481.7	175362.4	244138.4	182174.8	200101.7	211576	TRUE

203125.8	183268.3	148192.9	141979.5	177628.9	137436	191775.7	212947.4	TRUE
234304.5	200695.5	263857.8	286735.2	339454.2	277764.8	312803.9	345793.8	TRUE
102020.7	105952.9	121613.6	113687.6	105587.8	91941.9	129204.6	85987	TRUE
341013.3	342688.1	330837.5	328909.2	313852	320607.9	354760.3	262970.3	TRUE
241050.3	231370.9	204211.4	186265.6	197558.5	205089.5	238726.1	199438	TRUE
193428.3	195874.2	201667.2	240418.7	200694.5	209081.8	248774.7	228374	TRUE
88735	115371.2	102076.9	115265.2	105510.2	114943.7	151972	123120.1	TRUE
453574.3	386471.7	429948.8	508827.1	494386.1	402164.6	464692.6	471518.6	TRUE
13604280	11643192	11109783	13940825	14293581	12166699	12598622	14158709	TRUE
346410.6	278567.7	267206.3	385548.5	381999.2	323868	312052	391389.7	TRUE
140242.2	124288.9	148601.4	141045.6	152736.7	132105.4	144253.1	149068.9	TRUE
53873.2	31674.6	39344.2	44269	48670.4	43489.3	47982.9	47110.6	TRUE
88332.6	134494.8	115134.1	159378.9	197988	72537	60228.6	76537.3	TRUE
104371.5	277257.5	135038.1	267089.2	341409.7	30941.7	27554.6	49953.9	TRUE
231998.5	177134.4	163552.1	229250.5	229438.4	238445.2	237107.7	303209.3	TRUE
1044802	1028212	1053167	973203.5	1028852	1181946	1135391	1090537	TRUE
1549875	1536523	1553733	1550885	1520864	1907110	1807998	1689597	TRUE
1942788	1843037	1771144	1790211	1792639	2027032	2005803	2015321	TRUE
903365.7	895094.6	832288.4	823436.8	826862.1	1026056	925352.2	958741.5	TRUE
237298	628797.3	314111.3	500308.1	538495.8	193236.9	157237.5	166811.8	TRUE
62441	54961.7	42316.4	73274.3	71935.6	63963.5	75926.9	62021	TRUE
44979	42469.3	33568	58691.2	46945.7	41685.2	48256.9	57933.3	TRUE
42519.3	45955.1	45652.3	43592.4	50712.9	34994.8	47848.3	55249.1	TRUE
72465.5	68722.6	124883.2	67027.9	52502.3	92421.3	74612	76062.5	TRUE
20937.9	9427.3	11691.3	11767.4	11675.8	10900.9	28106.4	20799.3	TRUE
109213.8	145456	64657.2	147206.9	196107.6	80363.1	121186.3	187114.1	TRUE
247213.9	197773.4	192637.6	206945.4	231157.4	243054.4	235393.3	267036.5	TRUE
66510.7	51395.1	46341.6	54022.3	47464.7	46362.5	54659	44240.5	TRUE
140793.4	115065.3	177571.8	137441.5	136452.6	109435.2	107230.9	93693.8	TRUE
1022600	983634.8	949214.7	972003.3	1026404	994906.2	1032713	983629.7	TRUE
157506.7	154869	168882.2	108062	116979.6	133686.8	107636.6	115715.5	TRUE
82174.9	65466.7	62601.1	69849.4	88485.9	77022.2	62878.9	93542.3	TRUE
273621.5	291118.7	267465.3	222356.7	313033.7	253195.5	269679.8	298039.2	TRUE
130431.6	145298.3	120625.9	170313.2	173286.1	138297	115615	147348.7	TRUE
363350.4	309240.7	305475.5	304526.9	324269.1	300799.4	294545.4	345559.6	TRUE

55967.2	49911.4	50997.8	76500.7	61354.9	57564	62574.3	54163.5	TRUE
51258	100822.2	71387.8	85581.6	96408	51806.1	42177.1	65611.9	TRUE
158564.9	121188.1	198834.1	158093.1	124161.5	223352.5	157229.7	157460.8	TRUE
569553	498933.8	507868	502890.3	601099.3	519503.9	632075.2	534325.8	TRUE
569205	610604.4	524685.5	412707	493725.5	455985.9	504117.9	516619.8	TRUE
38769.1	44466.2	12819.6	26795.5	25182.2	30936.7	29707.9	25861.6	TRUE
28103	24419.3	23651.1	39801.2	38131	31509.5	33883.2	43876.9	TRUE
85643.6	59405.9	56341.4	86845	50332.9	81447.6	58376.5	80982.4	TRUE
1140236	1081622	876617	946509.2	946831.3	922390.6	890244.5	967101.2	TRUE
2290702	1773054	1637730	1981455	1894526	1673019	1558554	1933964	TRUE
925646.4	854445.9	1005902	1072869	1011935	1037615	987025.2	1037690	TRUE
1064316	883924.2	1212980	1488051	1451655	1370042	1212639	1389625	TRUE
1015932	815630.3	1043728	1413916	1287503	1187439	1151437	1299475	TRUE
56186.4	53321.6	49840.1	69150	50635.5	66979.8	66706.7	61334.5	TRUE
87900.9	52149.9	68535.2	86909.1	91841.3	92237.5	83450.2	90810.7	TRUE
65121.7	109745.7	69496.5	99924.9	111532	41374.8	46546.5	47978.5	TRUE
61085.1	53099.6	48058.9	46712.8	49209.1	44939.4	47526.1	49148.1	TRUE
56537.2	62965.3	61985.6	109088.5	87563.1	59257.6	51474.3	59484.3	TRUE
2599490	2396329	2215489	2257656	2428623	2655859	2527038	2524066	TRUE
10298711	9543519	8658761	8605135	10040148	10532221	10553299	10834696	TRUE
2104468	1700355	2098806	2453565	2373433	2261751	2272635	2603320	TRUE
1185563	1064511	1082880	1408783	1441074	1252228	1170235	1457113	TRUE
77794.2	59703.8	68658.2	76857.6	85975.2	72169.3	72511.6	63293.1	TRUE
88578.3	86897.1	85497.4	118470.6	108803.5	106846.4	87810.2	118723	TRUE
87246.3	75948.9	106731	82012.8	81126.7	103478.9	77430.3	87411.6	TRUE
81926.8	43686.3	79753.5	75336.2	74867.6	62742.2	59982.6	80440.1	TRUE
25885.2	62462.2	44720.5	54202.2	87658.4	21148	13017	7721.8	TRUE
38916.4	76496.9	34911.3	45313.8	54638.1	15871.4	7172.1	22462.3	TRUE
41407.9	35373.9	33910.4	37581.7	38165	40618.1	28681.4	47460.3	TRUE
18199.8	23829.5	25536	28736.4	34057.9	20911.5	13430.3	25324.9	TRUE
34482.5	9827.2	14865.2	34748.7	29136.2	29136.9	33283.9	35766	TRUE
245644.8	237731.2	237446.5	234000.6	253394.1	308852.5	272298.3	300129	TRUE
26711.6	71217.7	63888.1	59297.2	74325	7495.9	12873.5	13436.6	TRUE
792282.6	677905.8	604605.6	661228.8	827769.5	617707.9	647425.3	794433.1	TRUE
180851.8	165295.7	183102.2	180023.6	221531.4	176745.4	181362.9	227504.4	TRUE
127487.9	114064.3	109092.4	127925.8	130788.2	115675.1	112022.1	140667.3	TRUE
181762.9	199518	172713.7	168738.1	185320.1	170874.9	218437.4	202415.4	TRUE
81350.6	61180.1	38963.5	41213.4	41870.5	54126.4	45582.9	50450.8	TRUE
9009.7	25661.7	18681.2	13143.3	32350.7	26198.8	15188.7	26947.1	TRUE
22485.7	31475.6	40735.5	40738	44306.5	19455	11881.5	20547.8	TRUE

33366	23449.1	38720.1	34461.4	35444.9	46169.4	32074.5	48756.3	TRUE
155247.1	185146.1	191275.9	200454.8	215062.8	202567.6	135838.5	154005.5	TRUE
60053	67232.9	76205.5	59332.5	72903.3	70532.3	45498.5	44320.3	TRUE
1266568	971640.1	698262.3	824861.8	909849.2	1211093	1178010	1165972	TRUE
655194.9	412495.5	592031	553324.4	373496	661209.6	480943.3	384280.6	TRUE
714392.7	342625.6	478197.5	448251.5	748929.2	598415.1	386325.8	580690	TRUE
97930	86264.5	108898.5	89494.2	95938.4	113935.9	100593.4	82814.5	TRUE
96437.9	87514.4	85848.9	92297.7	90119.3	75243.9	100449.3	105608	TRUE
144664.3	105996.1	145158	158491.1	154391.9	157907.9	128864	129133.2	TRUE
191739	193325.4	188411.2	215443.9	211862.8	195298.5	223175.2	222217.9	TRUE
31115	30016.3	27559.9	24575.1	26173	20955	27499.3	23919.5	TRUE
108188.2	98754.2	106682.1	118883.6	91144.1	116222	93510.4	110992.1	TRUE
246383.4	264332.3	266742.6	287202.1	190175	225024.5	268484.9	227482	TRUE
100886.8	97488.9	86632.5	83599.8	108748.2	90351.5	85450.9	99015.5	TRUE
96612.5	85778.2	92389.1	125917.8	112167.2	99556.9	101165.4	101856.7	TRUE
84170.7	253637.3	135120.9	226429	268727.2	48995.3	35590.4	47444.3	TRUE
184448.7	152932.4	119377.3	161011.5	129527	134124.3	148310.8	156819.2	TRUE
30582.2	37214.6	20653.5	61042.7	24784.6	23555.5	32817.9	21451	TRUE
108688.3	84660.9	84022	108070.9	126734.8	104620.6	93507.7	124759.1	TRUE
140977.2	135348.3	125542	133522.1	157185.1	137247.9	129033.6	158491.8	TRUE
513905.9	421519.7	453056.5	558901.4	615532	499231.9	509061.2	573193.4	TRUE
168782.1	151612.4	151032.4	192249.6	191468.6	170860.7	211762.3	218663.6	TRUE
96700.8	181160.7	105229.2	126202	137535.3	62436.6	71539.3	70110	TRUE
35539.8	55446.3	37000.4	75405.7	60222.7	22819.3	24608.7	25480.6	TRUE
31103.6	40087.9	32967.5	49093.1	44543.5	43530.3	51645.5	45746.1	TRUE
24783.2	25832.2	16577.9	26712.6	32578.8	35911.7	26459.7	29141.1	TRUE
2653690	2665147	1914984	2827873	3087983	2186465	2904553	3235327	TRUE
1225152	1148070	859512.6	1316429	1324412	948065.7	1289522	1431844	TRUE
416659.3	392478.2	405293.9	418154.3	408692.2	384451.2	404306.1	413275.6	TRUE
1375734	1345705	1699633	1728674	1279221	1723308	1702838	1687179	TRUE
452923.1	489490.5	497918.9	515193.3	441111.3	524011.7	502935.3	523102.9	TRUE
25816.5	24219.2	31854.5	42756	26960.7	22561.1	29156	29168.2	TRUE
36956.7	41608.8	35536.7	43642.3	32466.1	53472.2	37454.2	46655.5	TRUE
25605.7	29550	36841	47070.1	34671.6	50444.6	37280.8	51992.4	TRUE
45940	43528	46738.2	47689.1	45554	51915.7	51388.9	56581.5	TRUE
99805.9	158143.6	169836.7	150444	138775.8	74173.5	88047.7	87311.4	TRUE
548376.7	582525.9	554638.8	616480.6	564231.9	498286.7	505529	506380.5	TRUE
347040.2	264468.2	400673.5	501626.3	372572.1	422294.1	389948.1	416752.5	TRUE
6463169	6418769	5889024	6205012	5478691	6263555	6742438	6421019	TRUE
743510	676384.5	643052.1	675415.4	670433	705876.6	684715.6	724006.8	TRUE
85582.6	67092.2	79383.8	76023.4	67285	75914.3	86854.5	89680.7	TRUE
25062.2	35814.7	35018.1	35486.1	48068.6	18583.8	26175.7	12031.4	TRUE

28354.8	30123.3	24802	32734.1	26165	18638.1	9899.6	13448.1	TRUE
1974752	1721358	2041993	1923236	2511605	2264741	2045273	2463478	TRUE
1782693	1632072	1609810	1750331	1938416	1818781	1859961	2125319	TRUE
285373.1	342752	305481.4	332627.5	388838.1	337143.8	340827.4	364737.2	TRUE
186365.5	238154.6	232204.3	242452.4	278113.6	166495.5	150652.6	155338.4	TRUE
54821.3	116885.6	83941.3	128630.2	159388.5	26644.3	33352	39288.5	TRUE
1879634	1754371	1834716	1960787	2210815	1915101	2089299	1907802	TRUE
48102.9	142339.2	99838.1	122596.3	149850.3	42572.8	15941.5	16065.6	TRUE
98692.1	50308	58990.2	63456	59905.7	67999	56806.6	73663.7	TRUE
84873.4	74116.9	69672.9	78675	64174.6	66322	82762.1	72836.9	TRUE
136324.9	124840.4	142421.4	153317.8	110359.5	145074.8	131369.3	127489.7	TRUE
64139.9	51745	82917.3	49371.5	55984.9	48736	61885.6	68486.7	TRUE
189671.1	252040.9	182664.7	332199.7	344990.3	126876	109752.5	149649.8	TRUE
48221.7	38261.8	33450.3	61649.5	40845.9	34551.5	36783.8	39630.6	TRUE
37971.6	36508.3	50614	39868.2	36242.2	38500	31852.6	38745.7	TRUE
57421.7	58995.4	46342	56005.1	54289.8	53528.9	58851.4	51840.6	TRUE
44074.6	33601.4	56138.6	26448.7	28541.4	27323.6	31717.2	39172.5	TRUE
8920.7	10653.7	19216.8	5528	9496.1	9313.6	14279.6	7851.3	TRUE
55213.3	45240.6	55774.7	60437.4	50330	69707.9	57304.5	56573.1	TRUE
119403.4	162670.6	148875.3	163206.9	185227.3	101537.8	93588.8	113256.8	TRUE
260711.5	262666.8	291362.4	232795.8	409063.2	285193.4	206446.7	389731.3	TRUE
323645.6	340033.2	253120.3	300994.4	357991.8	212942.2	300232.3	358330.3	TRUE
81493.1	86833	66517.9	80275.5	65211	59152.8	84518.3	60211.3	TRUE
27436	7825.6	21529.1	21502.7	37637	24543.8	20168.3	25959.3	TRUE
416917.6	480218.5	452541.8	577494.5	431668.3	445392.5	520940.6	486591.8	TRUE
30597.1	14905.2	27151	29987.7	24304.5	20971.5	18983.9	21071.8	TRUE
161708.6	158618.9	105628.8	148777.5	133836.3	168379.3	126940.7	153060.2	TRUE
54422.6	99408.5	75147.7	100990.7	104951.1	34750.6	42341.2	44933.1	TRUE
105589.5	197834.5	159962.7	213181.2	195504.7	78989.9	72558.7	76197.7	TRUE
340726.2	280306.1	264443.6	323289.1	283363.7	361454.2	359597.7	384769.5	TRUE
713476	569925.8	461071.3	602526.7	559995.3	698364.5	751517.3	790824.1	TRUE
163030.1	122864.5	113686.1	154329.2	107686	140701.1	165097.2	157949.5	TRUE
38699.9	25597.5	28138.4	38041.5	27303	41451.7	34657.6	37944	TRUE
60258.3	50735.2	63949.7	81041.1	61164.4	74685.5	62247.9	102242.6	TRUE
144601.1	107466.4	74056	115954.8	99055.1	92186.2	101970.8	104042.2	TRUE
281126.3	264799.4	268510.7	289242.1	335670.1	259424	322772.2	327722.6	TRUE
151208.6	179078.2	171794.8	183303	195251.1	170039.7	171673.6	180069	TRUE
259123.6	225464.7	266259.2	276207.3	240233.4	232233.8	267198	242790.5	TRUE

146029.7	135419.2	157836.4	178035.7	129254.5	188361.3	161466.1	146583.4	TRUE
35644.1	56325.7	36639.9	50738.4	61447.8	35487.6	36236.6	44895.9	TRUE
78526.9	71091.8	80051.9	82335.5	67361.4	84999.2	72563.8	57401	TRUE
135574.3	132595.9	116067.4	144332.1	127971.5	138615.4	123603.8	133198.4	TRUE
89350.9	85564.3	87220	105400.5	63673.8	68380.3	83706.2	73931.7	TRUE
171173.1	129591.2	146466	157948.7	135213.5	146563	156578.1	116480	TRUE
271982.9	252335.2	300607.5	218436.4	251943.5	409172.4	308193.5	315406.1	TRUE
148172.3	128658.2	122791	135628.9	152807.9	119109.5	127328.1	106227.4	TRUE
283016	224483.7	142577.2	246545.6	216553	228228	348518.3	312634.5	TRUE
4501107	3767037	2494908	3897692	3363045	4033670	5758578	4687961	TRUE
195756.8	183207	134044.5	156465.1	158751.2	130221.2	190090.4	164129.5	TRUE
37421.7	39514.3	26909	34573.1	41995	28555.9	25457.8	31754.7	TRUE
630081.2	696130.5	407428.8	566078.1	577803.6	400357.8	688831.4	562039.4	TRUE
809290.7	754273.1	449220.1	663300.6	672708.1	401252.7	749954.3	679382.3	TRUE
236913.2	385600.7	263934.5	470270.1	350260.1	254100.8	345657.7	306615.4	TRUE
35265.9	56106.8	41780.9	56747.6	54872	23418.6	26437.4	24796.9	TRUE
328914	372763.3	249785.9	314639	321383.7	252819.4	328494.6	306546.7	TRUE
119426	117229.3	100445.2	111086.9	119759	93527.9	136851	102343.3	TRUE
98937.5	86587.1	85344.3	68564.7	106243.3	75450.9	96581.4	101070.8	TRUE
32344.9	103653.5	65606.7	73247	95775.7	22583.7	20586	19928.2	TRUE
288338.1	282925.5	379088.5	367300.9	327594.1	309265.8	320019.4	296485.1	TRUE
237781.5	229665	252303	294127.1	219215.3	257071.6	266299.4	245833.1	TRUE
27823.4	51147.1	59837.9	75186.7	51263.8	3423.5	51980	26854.1	TRUE
43521.2	33334	37616.9	43022.1	33486.7	61889.3	34664.6	43414.4	TRUE
46716.9	52656.2	71847	63596.9	63697.1	46028.2	45000.4	47817.9	TRUE
35390.8	53822.8	55908.1	39257.6	57593.6	51236.7	45934.5	45749.3	TRUE
29773.6	24909	23207.1	23653.9	24924.6	37814.3	33834.6	11690.3	TRUE
75678.8	71858.1	62243.1	86406.4	68655.9	116509.4	84026.6	90990.6	TRUE
26141.9	7456	9376.6	15254.1	8713.9	30383.4	17448.1	42923.6	TRUE
33097.6	38083.8	39656.8	39034.5	25845.3	44751.5	45796.1	36773.3	TRUE
76510.8	58399.8	63685.9	60425.9	67936.5	65443.8	81056.9	64523.3	TRUE
93676.9	93034.5	69378.8	72872.9	72065.2	105641.8	95606.6	103560.2	TRUE
36497.9	26185.8	42747.8	38545.7	31466.2	42570.9	43230	31548	TRUE
155210.1	182277.1	299583.9	159674.3	186406.5	202519.5	148416	182146.4	TRUE
76352.2	81703.8	111857.8	59246.7	68775.4	73994.4	55502.4	64528.8	TRUE
69663.7	76351.6	77283.6	90442.5	72212.7	63924.2	60101.3	76376.2	TRUE
250591.8	166552.4	219038.6	239028.7	166998.1	257508	206030.8	285098.1	TRUE
56353	45118.9	47777.3	36969.6	52429.7	48302.6	69818	69105.9	TRUE
55653.3	50861.2	52295.6	63519.3	70795.3	63843	70945	71154	TRUE
214990.8	233776.9	219874.1	196241.3	269678.4	220178.1	264756.3	234175.6	TRUE
266758.5	233261.3	253281	234516.2	295441.1	268884.7	320927.9	244605	TRUE
463803.5	494267.6	361895.9	439535.7	524740.5	396019.3	522204	556586.4	TRUE
756268.5	758935.8	558660.1	684631	856586.1	627691	811073	965034.2	TRUE

134313.5	130273.9	140801.1	133845.8	133258.1	121037.3	119994.8	128956.7	TRUE
93330.7	123149.1	85448.9	115822.3	97261.4	98466.7	72329.6	86453.2	TRUE
29053.2	47180.4	41216.9	47495.3	55265.9	29436.6	35917.3	25109.3	TRUE
51920.8	48435.4	36173.8	48884.6	35846.3	51092.3	55121.7	42248.5	TRUE
254370.8	254310	318748.8	244384.2	216809.4	227570.1	304259.1	231924.2	TRUE
1376223	1448987	1649719	1702800	1103875	1283436	1499288	1216417	TRUE
59519.9	90933.7	78293.3	93031.2	93581.4	52317	58949.2	77006.2	TRUE
104815.1	152907.8	126455.7	149017.9	146309.8	109674.2	93074.3	122443.2	TRUE
51806.4	46164.5	40704.3	72179.8	63972	62392.1	58619.5	61759.9	TRUE
244794.9	261302.7	156642.7	236357.4	248661.5	189446	284209.6	259191.8	TRUE
362861.8	394840.9	224796.8	290081.6	401792.8	241886.3	393440.5	380235.4	TRUE
57830	59958	58823	57745.4	67889.2	50250.2	77472.5	66126.9	TRUE
980225.3	1164839	614245	848902.9	1091228	686156.1	1103706	1094799	TRUE
211385.6	243104.1	200987.3	331454.9	377301.1	245566	373145.4	333947.7	TRUE
304736.4	306643.4	250615	427143.4	513943.2	317913.1	521639.3	450249.1	TRUE
25638.2	40939.5	24571.2	16646.4	39010.7	22822.5	42767.5	37799	TRUE
94274.6	103894.4	112546.7	113989.8	118271.1	89176.9	85186	102922.6	TRUE
77505.9	105694.3	52640.8	103468.7	86452.4	64935.9	92941.9	87832.3	TRUE
56098.7	69206.6	34106.4	61518.4	61952.8	50544.4	66619.5	83714.3	TRUE
49111.4	83344.9	48875.8	66369.2	111444	32359.2	34583.5	33332	TRUE
58189.9	63438.2	51488.5	57804.8	58838.9	55702.8	62592.4	77178.4	TRUE
208930.9	218701.4	344352.6	341087.7	219699	279784.9	280174	250062.3	TRUE
109835.5	125877	131440.2	170756	101486	138284.4	179792.6	116177.5	TRUE
21588.8	25749.7	23017.7	37613.7	26452.1	11289.4	9399.8	8796.9	TRUE
102617.9	65750.5	85022.7	89958.9	75804.9	120393.9	87623.2	102697.3	TRUE
20988954	21093411	18735213	20864013	18655427	21263702	22405022	20101883	TRUE
37621284	33122190	39748626	40176247	30056578	35208206	35066957	34862018	TRUE
12522051	15239973	15516911	15765158	7933979	11933171	16092757	12785906	TRUE
110101	102662.2	84871.5	96896.9	96188.3	99841	131860	117164.9	TRUE
98312.9	230293.6	99897.6	145146.7	173986.4	42621.6	47692.8	41180.5	TRUE
846495.7	738314.2	948193	949387	687033.9	784339.2	792528.4	744774.1	TRUE
131151.6	139470	82308	137033.8	132369.5	87769.2	131468.7	112852.2	TRUE
140626.2	120968	97301.7	150952.6	115906.2	110625.9	138672.6	113210.5	TRUE
129919.3	114275.7	124677.5	125242	99413.6	138494.9	120965.8	137776.8	TRUE
155209.1	156254	98707.1	157757.5	158965.7	138144.1	153770.3	142974.5	TRUE
115165	117414.4	116504.7	153423.4	100450.3	101077.1	102295.9	93398.1	TRUE
125477.2	169239	97613.5	125931.6	179934.2	113676.8	151392.4	164451.1	TRUE
570826.8	661430.2	448593.1	506242.5	598579.7	443410.8	666849.6	593535	TRUE
144274.1	156266	107425.7	117432.6	132139.2	104122.7	133167.3	129126	TRUE
650261.8	580980.6	720033.3	753249.6	416204	506310.6	583205.4	479614.4	TRUE
1232810	1178693	1134435	1328574	1171699	1154792	1145365	1109133	TRUE

13806818	11408588	11475035	13182872	12181305	12738125	12821382	12771281	TRUE
227122.7	204287.9	204988.9	229369.1	211273.2	216561.9	228715.2	226005.9	TRUE
276690.5	261033	239155.7	225501.4	228023.6	262882.6	264934	266363.8	TRUE
735431.2	674730.7	666572.3	703940.4	686404.3	734237	678261.8	748804.2	TRUE
164735.5	145228.1	159859.1	190746.9	174500.3	199748.5	200316.3	198253.1	TRUE
71739.9	161507.4	94055.8	176858.8	196576.6	42102.6	48740.5	42426.5	TRUE
1873925	1697565	2047345	2015943	1764685	1764499	1717499	1723145	TRUE
98708.5	74773.8	82334.2	89536.5	87450.5	111226.4	79858.7	95447.7	TRUE
26493.8	39169.8	26108.3	28214.6	38374.1	25894	27309.6	33748.5	TRUE
113274.9	110829.9	108502.5	107500.9	90926.8	111117.7	105083	135364.8	TRUE
65669.7	63918.1	58336.8	53898.9	57602.2	60156.7	62485.2	56835.4	TRUE
182070.1	264554.6	209920	300430.1	329451.1	125577.2	132082.2	128673.6	TRUE
319739.2	641188.6	388065.9	698740	758485.4	157821.4	172965.8	232776.3	TRUE
2578318	2492389	2264822	2265606	2256076	2573655	2678229	2643869	TRUE
1039144	1070351	1002249	1123629	1012751	1040187	1096577	982919.2	TRUE
369183.5	372634.5	345177.5	390401	329709.1	383342.6	377058.6	328353.7	TRUE
862432.4	737766	827288	901803.3	947947.8	959480.6	821703.3	901359.9	TRUE
1208274	1129559	1273820	1240489	1161316	1295630	1151137	1243997	TRUE
555010.9	461829.1	420145.2	493832.5	521565.2	578868.9	509063.9	655406	TRUE
304277.7	276035	211124.8	234652.6	224075.6	221218.7	213759.9	187338.2	TRUE
5769066	5061124	5070090	5529455	4840166	5538591	5049946	5214380	TRUE
46792.8	131394	90381.1	121426.6	147736.4	37729.2	33900	33945.4	TRUE
58244.8	85749.1	82232.5	90595.6	92542.4	42914.2	33156.5	43724.3	TRUE
1382084	1182399	1134193	1205171	1493565	1312979	1510392	1415059	TRUE
84482.1	80926.8	83650	77882.9	67836.8	81207.9	86207.7	73546.8	TRUE
108922	92851.6	96437.4	128763.9	107516.6	98212.2	94569.5	99534.9	TRUE
87382.1	61279.7	75919.5	84754.8	81962.5	84977.7	78197.9	63585.7	TRUE
78996.2	87305.9	84462.4	94360.2	96184.6	85774.8	65483.9	121540.7	TRUE
29201.5	25749.8	28715.7	12390.8	34023.8	39869.4	46335.7	41698	TRUE
72736.3	73973.4	86295.6	66229.5	59810.1	95282.4	60513.8	70071.9	TRUE
153415	149522.9	122932.5	134898.4	134757	156665.4	133571.1	136443.8	TRUE
375344.4	366085.7	375231	353600	351669.1	395464.3	323649	365091.4	TRUE
121430.6	119657	115169.3	121967.4	134875	143431.8	107660.2	117135	TRUE
99417.4	86176.3	107246.3	101741.6	90109.6	106591	121656.5	92584.2	TRUE
177815.8	192666.5	227665.9	245200.9	165467.3	249057	211418.7	195420.1	TRUE
36217.7	33839	56371.7	55289	49474.5	73740.3	48904.4	62056.1	TRUE
33670.7	52167.4	45094.2	50803.5	36621.6	26160.9	11546.4	25298	TRUE
31068.8	69476.2	59708.4	60404	62260.2	33453.8	14133.5	30215.6	TRUE
108594.3	89396.4	102121.4	91381.5	95237.9	100666.6	115904.6	108171.6	TRUE
7120.5	7508.1	22532.3	5881.6	18371.5	9505.9	11414	10510.8	TRUE
423252.5	388469	393339.2	439881.7	462091.5	370782.3	450903.8	418810.6	TRUE
2881265	2916198	2717866	3220676	3129122	2824500	3101719	3040764	TRUE
2063262	2266987	2164308	1919522	2289315	1791416	2287225	1826382	TRUE
63821.3	75287.8	59818.5	85714.1	68832.7	92486.4	61267.6	71108.1	TRUE
223404.1	168525.5	125677.9	138970.3	149309.2	124422.8	123365.8	138751.1	TRUE
1174745	1069615	1127977	1270492	1067387	1148971	1109278	1044650	TRUE
46751.1	119917.1	65430.7	125736.7	148923.7	6372.7	9503.5	14164.4	TRUE
529881.7	437385.5	484032.6	485806.3	522739.5	487051.4	473311	491083.7	TRUE
191372.4	171423.4	177431	148773.2	172940.2	157551	135213.4	141024.5	TRUE
1544895	1379214	1599229	1482584	1496342	1457084	1461003	1250241	TRUE

162910.5	136664.2	152259.3	156284.7	147161.9	129800.8	136543.2	144265.8	TRUE
57379.2	53877.8	51199.8	56160	49860.3	41113.9	62504.9	51638.7	TRUE
163730.2	161515.7	181299	179405.2	142094	169973.6	162078.3	198228.3	TRUE
180483.4	157005.6	164170.8	154332.2	162093.5	156706.2	154688.3	184195.6	TRUE
100532.5	95266.9	101202.5	90966	99595.3	106831.4	105706.3	118281.5	TRUE
266589.3	253426.7	232732.6	262212.6	246779	267252.2	270110.5	255007.5	TRUE
256877.5	209799.9	232217.1	248373.3	234427.9	272782.1	240131.4	239902.4	TRUE
191253.5	200524.4	192471.9	186789.1	177862.2	208585.6	184065.8	179437	TRUE
41975.9	36010.9	65475	75127.5	86782.5	55613.4	71376.7	70307.5	TRUE
35463.2	33921.1	36969.5	17034.7	24363	43236.9	40790.3	33431.9	TRUE
145666.5	105499.2	149421.8	161443.7	132776	160217.6	122011.2	138360	TRUE
444545.1	413381.1	478078.7	490342.2	491200.7	546548.9	475298.8	538545.9	TRUE
165942.1	154594.3	164298.7	198784	218444.1	211173.9	201922.2	236206.6	TRUE
68440.1	60018.2	56086.7	53859.2	64370.5	62932.7	80995.9	70585.7	TRUE
102310.2	108155	79911	112956.6	98319.7	122654.1	109065.1	123301.4	TRUE
273741.3	239340	210215	284576.2	255159.2	244271.4	254764.1	237424.8	TRUE
1053176	973535.1	1024644	932744.1	1031932	1019658	951300.5	945425.8	TRUE
2843956	2502818	2530285	2524558	2834759	2260016	2594812	2203055	TRUE
48747.3	51400.5	35831.6	54995.2	44141.2	58480.3	47971	58395.9	TRUE
232519.9	182175.7	250031.8	204920.4	220731.7	251688.1	196723.9	216004.2	TRUE
72374.2	57746	52811.2	60788.9	55780.7	66463.8	61455.2	54269.8	TRUE
107319.2	131909.6	81455.9	101185.9	73902	83458.4	116543.5	79867.1	TRUE
85147.6	70293.9	74359.9	101805.7	81394.6	101759.3	108566.6	102119.3	TRUE
32821.4	27723.5	24495	24192.8	24277.9	38027.1	27928.1	37567.6	TRUE
260797.1	232439.7	175144.2	233363.5	200761.6	278265.6	276689.9	268724.7	TRUE
59937.1	48589.4	42718.4	60486.5	47849	74995.9	63799.8	74581.2	TRUE
105208.9	140202.6	124702.9	159567.2	95586.1	153816.1	147341.7	109253	TRUE
142098.3	121869.6	106819.1	126053.6	113940.2	150877.1	149079.5	117338.2	TRUE
156369	178306.5	194615.3	194847.7	255449.3	124737.9	136426.5	148827.9	TRUE
2580456	2269983	2795667	3062100	2119286	2987371	2899203	2319871	TRUE
333175	278764.3	360751.6	372492.6	269981.4	443734.9	351605.3	288925.4	TRUE
242978.8	196872.7	274005.3	234929.3	211394.7	289207.2	246280.9	212443.1	TRUE
337274.4	300254	234307	186556.8	187391	217686.8	214615.5	207975.7	TRUE
389037.6	372027.5	424123.8	438308.7	359066	445012.8	404630.9	336359.7	TRUE
486443.6	503128.6	491911.8	521238.3	420485.9	534563	461901.4	423026.8	TRUE
147400.2	117187.7	109707.1	128357.4	112879.8	126035.3	136573.7	125944.2	TRUE
925570.2	711349.8	890023.8	819944	932316.1	876133.2	779391.3	789137.6	TRUE

1530244	1208685	1472928	1520412	1407812	1538931	1225505	1431875	TRUE
988218.2	876013.5	1157341	993831.1	721935.5	1197678	875199	722217.6	TRUE
224563.4	194494.8	249465.7	178461.1	159590.4	245189	203065.1	198129.3	TRUE
480707.4	282388.7	426895.1	449878.7	547873.4	403153.6	320226.7	388552.9	TRUE
144739.5	90105	120298	122006.9	166870.6	128696.2	89734.6	151270.9	TRUE
29278.7	25447.6	45850.2	20694.3	42193.4	19361.7	31046.6	24821.5	TRUE
63697.7	38469.5	38072.1	60869.7	43945.9	70999.8	63919.6	74214.1	TRUE
361718	286681.2	342530	279270.5	208852.2	527918.5	390218.1	299887.1	TRUE
139175.1	82324.8	120608.4	131086.1	109839.5	127935.1	121348.2	155278.5	TRUE
627901.4	390734.1	616695.9	644070.7	909353.3	587121.3	534792.8	663353.3	TRUE
43810.6	43770.1	50502.5	51138.3	37856.1	60322.1	33067.7	38828.4	TRUE
49909.7	40829.4	34696.7	47899.2	30373.5	67441.9	55958.5	55996.4	TRUE
74329	99801.4	168540.2	88389.1	60725.6	85522.3	58861.4	65617.4	TRUE
44789.7	33915.2	68551.1	64917.4	49355.6	118660.7	61573	78616.3	TRUE
69349.1	45515.6	88718.9	69031.8	82364.3	116723.6	99162.5	75371.4	TRUE
48475.5	38338.3	50053.6	53192.9	43963.3	46709.5	54921.6	40704.3	TRUE
21319.8	28926	32569.8	10080.4	30207.4	18739.5	12314.7	6060.6	TRUE
55416.5	63320.8	46644.9	67103.9	55332.8	59927.5	72934.4	70383	TRUE
38101	31563.3	36694.8	56398.5	42072.6	53917.3	53158.3	45858.5	TRUE
79646.9	76636.2	90190.2	83490.8	92153.1	103415.5	90580.3	96590	TRUE
132999	120544.5	157601.4	166806.7	142392	167668.8	165969.8	151011.1	TRUE
1107636	959650.9	1002745	1047174	921496.1	1285277	918342.8	1365450	TRUE
130369.5	113890.5	200066.4	224026	199236.8	134517.8	177040.9	223015.4	TRUE
57067.6	71201.6	91437	77895.1	63627.8	57135.9	55621.8	60335.7	TRUE
87946.6	91777.4	110820.6	91860.7	96746.5	92953.3	93168.7	96326.5	TRUE
81953	65433	60231.7	53293.3	48877	80518.3	82000.4	66792.3	TRUE
203070.1	157843.7	150625.7	200295.4	162850.5	189184.2	181346.4	170841.4	TRUE
290457.7	212402.1	213123.1	270930	229584.7	323828.2	281044.5	352702.7	TRUE
72374.2	57746	52811.2	60788.9	55780.7	66463.8	61455.2	54269.8	TRUE
107319.2	131909.6	81455.9	101185.9	73902	83458.4	116543.5	79867.1	TRUE
85147.6	70293.9	74359.9	101805.7	81394.6	101759.3	108566.6	102119.3	TRUE
32821.4	27723.5	24495	24192.8	24277.9	38027.1	27928.1	37567.6	TRUE
260797.1	232439.7	175144.2	233363.5	200761.6	278265.6	276689.9	268724.7	TRUE
59937.1	48589.4	42718.4	60486.5	47849	74995.9	63799.8	74581.2	TRUE

105208.9	140202.6	124702.9	159567.2	95586.1	153816.1	147341.7	109253	TRUE
142098.3	121869.6	106819.1	126053.6	113940.2	150877.1	149079.5	117338.2	TRUE
156369	178306.5	194615.3	194847.7	255449.3	124737.9	136426.5	148827.9	TRUE
2580456	2269983	2795667	3062100	2119286	2987371	2899203	2319871	TRUE
333175	278764.3	360751.6	372492.6	269981.4	443734.9	351605.3	288925.4	TRUE
242978.8	196872.7	274005.3	234929.3	211394.7	289207.2	246280.9	212443.1	TRUE
337274.4	300254	234307	186556.8	187391	217686.8	214615.5	207975.7	TRUE
389037.6	372027.5	424123.8	438308.7	359066	445012.8	404630.9	336359.7	TRUE
486443.6	503128.6	491911.8	521238.3	420485.9	534563	461901.4	423026.8	TRUE
147400.2	117187.7	109707.1	128357.4	112879.8	126035.3	136573.7	125944.2	TRUE
925570.2	711349.8	890023.8	819944	932316.1	876133.2	779391.3	789137.6	TRUE
1530244	1208685	1472928	1520412	1407812	1538931	1225505	1431875	TRUE
988218.2	876013.5	1157341	993831.1	721935.5	1197678	875199	722217.6	TRUE
224563.4	194494.8	249465.7	178461.1	159590.4	245189	203065.1	198129.3	TRUE
480707.4	282388.7	426895.1	449878.7	547873.4	403153.6	320226.7	388552.9	TRUE
144739.5	90105	120298	122006.9	166870.6	128696.2	89734.6	151270.9	TRUE
29278.7	25447.6	45850.2	20694.3	42193.4	19361.7	31046.6	24821.5	TRUE
63697.7	38469.5	38072.1	60869.7	43945.9	70999.8	63919.6	74214.1	TRUE
361718	286681.2	342530	279270.5	208852.2	527918.5	390218.1	299887.1	TRUE
139175.1	82324.8	120608.4	131086.1	109839.5	127935.1	121348.2	155278.5	TRUE
627901.4	390734.1	616695.9	644070.7	909353.3	587121.3	534792.8	663353.3	TRUE
28659.7	23698.1	48430	31841.1	37794.7	42487.7	23565.9	35789.5	TRUE
153443.3	147103.5	175476.4	139747.5	145866.1	158169.8	139446.8	151397.7	TRUE
112443.9	101880.8	94663.6	74930.3	82867.4	87118.3	120212.7	99674.7	TRUE
61572.8	58469.6	72289.1	47029.2	47496.6	82603.3	81978.1	64022.3	TRUE
63459.2	61691.7	60346.8	63322.7	66529.6	68082.7	54588.7	67315.9	TRUE
101903.7	98684.3	80778.8	91905.5	96483.4	73538.9	98317.3	75551.2	TRUE
105849.1	100572.6	87912.8	125046.5	101514.2	105914	94537.9	111044.6	TRUE
69349.1	45515.6	88718.9	69031.8	82364.3	116723.6	99162.5	75371.4	TRUE
48475.5	38338.3	50053.6	53192.9	43963.3	46709.5	54921.6	40704.3	TRUE
21319.8	28926	32569.8	10080.4	30207.4	18739.5	12314.7	6060.6	TRUE
55416.5	63320.8	46644.9	67103.9	55332.8	59927.5	72934.4	70383	TRUE

38101	31563.3	36694.8	56398.5	42072.6	53917.3	53158.3	45858.5	TRUE
79646.9	76636.2	90190.2	83490.8	92153.1	103415.5	90580.3	96590	TRUE
132999	120544.5	157601.4	166806.7	142392	167668.8	165969.8	151011.1	TRUE
1107636	959650.9	1002745	1047174	921496.1	1285277	918342.8	1365450	TRUE
130369.5	113890.5	200066.4	224026	199236.8	134517.8	177040.9	223015.4	TRUE
57067.6	71201.6	91437	77895.1	63627.8	57135.9	55621.8	60335.7	TRUE
998837.5	1018522	852953.8	915720.2	861673.8	956414	970376	1013762	TRUE
1398059	1190046	1069209	1171590	1366366	1382955	1314506	1533080	TRUE
1511724	1453891	1108784	1358804	1474906	1152609	1421442	1517073	TRUE
206628.3	206650.3	226104.2	236817.3	217799.8	251601.1	299103.9	213319.5	TRUE
255023.4	287096.1	257676.6	299066.9	244979.1	253800	305195.9	250065.1	TRUE
350598.8	365614.2	286709.5	281325.3	281679	281941.7	318837.1	311281.5	TRUE
17745.1	19528.4	21623.8	26568.4	23795.2	19850.3	28262	17440.4	TRUE
182243	169895.4	167326.1	158551.5	152550.2	140928.2	150061.2	163302.8	TRUE
21918.7	38139.3	36333.1	24795.6	20313.6	27688.8	29549.7	22243.6	TRUE
18811.2	32864.1	29227	15140.3	8350.8	19725.5	29524.2	33107.4	TRUE
36794.4	44118.4	48122.7	27319	33435.7	52565.8	48012.4	41154.9	TRUE
250927.6	269556.6	300089.4	233785.3	215065	190603	270816.4	200840.6	TRUE
1258251	1386355	856075.2	1239400	1436169	984570.1	1478682	1463511	TRUE
272006.5	298281.7	240537	308168.2	327874.1	241017.6	301482	311538.3	TRUE
2161771	2286203	2445397	2460644	1738148	2232841	2412351	2400485	TRUE
58458.9	96405.2	82935.3	76630.1	79522.8	79453.9	89459.3	72160.4	TRUE
149532.7	152350.4	109266.4	153298.8	150308.4	114477.8	156119.2	151077.2	TRUE
501917.8	467311	336111.2	490658.2	543518.2	469112.6	671962.9	783983.8	TRUE
172849.6	152911.8	130050.5	184249.3	172058.8	147867.8	218614.8	204019.1	TRUE
84489.9	114008.2	95165.2	113265.9	136113.3	102617.7	105368.4	88425.6	TRUE
66734	90425.3	93476.4	72148.1	79057	72046.3	118555.8	73100.5	TRUE
61209.7	70261.1	56242.1	65396.7	44588.1	58298.9	74347	64923.3	TRUE
161249.5	156380.3	143398.9	160405.4	128539.2	164431.4	193333.3	159921.5	TRUE
120566	120128	101548.5	123645.8	91860.5	155986.9	140419.3	138179.1	TRUE
109672.6	89509.7	86680.7	110375.9	67122.5	105345.3	126241.6	118461.5	TRUE
2327022	2414548	1414608	1553974	1653788	1242931	1567458	1661520	TRUE
5084754	4698232	4605816	4544248	4182513	4546388	4627187	4496180	TRUE
3159029	3260828	2837218	3062761	2699512	3080423	3287767	3199343	TRUE
84579.8	72884.8	65444.2	73322.3	89312.4	83652.1	82031.9	80791.3	TRUE
62336	59499.2	44940.6	53226.6	72849.6	50371.2	68265.8	68264.6	TRUE
220820.3	205527.2	269673.6	218300.5	247093.4	276846.5	233785.9	291408.7	TRUE
53370.7	18335.8	29949.4	16779.1	22597.1	25311.8	37452.9	25931.9	TRUE
34464.4	27209.4	20047.5	8357.7	26122.2	33437	40405.3	47479.6	TRUE
12281.8	15406.8	10209.5	8627.8	7212.4	16781	7529.5	5342.1	TRUE

22022.4	20016.5	15624.8	19807.9	19200.5	16557.8	10717.8	10089.3	TRUE
28888.6	27967.8	27596	32989.4	24831.1	26822.2	36065.1	28333.7	TRUE
18856.7	27162.9	19944	7262.7	23165.9	17941.2	20373.9	24574.6	TRUE
47722.3	62484.5	59625.5	58830.7	48011.1	46306.1	54345.4	42442.5	TRUE
136812.1	144421.7	95567.1	116110.9	122264.9	94086.5	101027.5	100186.9	TRUE
1136704	1046130	883686.9	1086528	1181777	974596.7	1208595	1134366	TRUE
4040532	3712836	2999959	3725627	4229021	3365711	4104717	4168953	TRUE
167537	155812.5	146315.8	204698.9	173947.7	132876.2	184353.9	177897.5	TRUE
34653.4	45321.2	48422.6	58918.5	46626.1	30339.8	29560.2	26527.6	TRUE
49435.3	55495.8	47998.9	52282.7	60193.4	51244.2	42115.7	43313.4	TRUE
68097.4	66782.1	55541.7	50658.4	64712.6	50731.9	66868.8	88307.5	TRUE
22004.5	23671.9	23473	27928.3	23752.5	25434.9	27618.9	24611.8	TRUE
191220.9	152618.6	181838.7	206527.6	209551.1	175745.5	182451.9	176158.6	TRUE
58669.9	54866.7	60109.9	53784.8	50706.8	47824.7	69580.7	63455.3	TRUE
63127.9	43561.3	39866.7	62227.3	56688.4	65466.1	70707.3	87013.1	TRUE
43802.2	33639	41118	43825.8	50345.4	39421	50899.5	54627.5	TRUE
24357.9	35088	9191.7	49192.7	29235.5	26948.6	29515.9	27437.4	TRUE
35112.3	34707	39644.8	69625.2	35145.8	43554.3	61590.7	65028.7	TRUE
388079	402020.6	320445.7	421733.3	495754.4	330654.9	422668.2	422331.6	TRUE
48168.8	33407.7	21251.3	14658.1	30126.6	25019.5	28230.8	14448.8	TRUE
486419.9	443861.3	384003.9	469379.1	432211.3	396769.5	471201.3	475613.9	TRUE
211541.1	204318.4	246189.7	221981.1	230446.8	269565.5	211146.2	224560.7	TRUE
43059.6	77611.5	59621.9	73439.9	62526.1	25436.2	38230.2	33918.9	TRUE
355212.2	252616.1	274294.8	261428.7	293092.1	352741.8	299255.8	355214.3	TRUE
118594.6	86812.3	73687.2	104041.7	102936.8	128251	129689.3	157146.1	TRUE
64871.1	57355.3	47475.2	70269.5	44039.3	72233	73297.4	66098.8	TRUE
61959.6	57390.8	58457.7	68950.8	62383	83229.6	76476	92926	TRUE
1388428	1079461	1443268	1333572	1323990	1438669	1190700	1305560	TRUE
2955255	2916323	2872891	2867258	2535315	2958960	3225421	3148131	TRUE
75915.1	71868.3	48376.6	64846.9	74676.4	52788.6	78517.2	92826.2	TRUE
28953.3	11929.2	30834.6	40550.9	47477.7	22819.2	29759.4	38422.1	TRUE
79305.9	73356	42902.9	47569.3	46418.4	39441	55550.6	56854	TRUE
266557.9	285278.9	227193.7	241001.9	284706.1	258214.3	325634.8	298701.4	TRUE
352181.2	336919.9	285584.8	385730.9	384037.5	298196	384934.8	377655.1	TRUE
107907.7	94768	86607.7	120955.7	116675.3	89710.5	108269.9	115830.9	TRUE
436940.8	399851.8	397232.6	504667.6	479048.2	426630.2	432720.3	474390.2	TRUE
61174.7	96114.1	82484.8	82892.1	101308.2	52022.9	52028.1	62868.1	TRUE
17178.5	20740.9	27323.2	10299.1	9876.3	14577.1	10253.6	24697.9	TRUE
93609	125770.9	92280.5	92347.4	89400	53091.7	58789.6	58698.3	TRUE

36020.7	26125.5	36420.6	32142.2	30100.1	43191	35849.3	31201.6	TRUE
6980182	5571042	5413703	6692495	6951345	5791270	6407979	7292512	TRUE
124787.2	203517.3	113596.8	173664.5	170185.5	103728.6	74676.8	114115.7	TRUE
117946.8	88514.3	65710.3	74685.7	60027.9	63866.8	77819.7	70898.8	TRUE
80652.9	50043.2	56227.9	72671.2	63882	55512.5	57947.7	53902.8	TRUE
258415.8	259114.8	259571.9	267140.9	267997.5	295176.5	258693.1	264736.9	TRUE
2488957	1873600	2342944	2193224	2093335	2699449	2002628	2622693	TRUE
83693.7	140869.1	84181.5	107692.3	137013.9	68824.2	63395.7	68313.1	TRUE
69131.1	56202.2	77598.2	73901.8	61312.2	80854.5	54075.6	63675.4	TRUE
231910.3	209443.5	193894.4	234567.8	245330.9	198433.4	226463.5	254098.6	TRUE
78802.5	63538.3	63218.1	95031.5	91114.1	42999.4	72687.2	78144.6	TRUE
78337.7	78476.9	67694.6	107020.4	91333.4	72111.4	71804.8	81892	TRUE
460479.5	426038.3	382034.6	501294.7	512434.3	467618.6	479422.3	485308.6	TRUE
50700.3	79771.1	61105.8	94389.2	61087.9	51567	56190.3	51471.8	TRUE
953320.3	916802.6	852718.7	1071458	1144067	901851.6	1034501	1127450	TRUE
1528624	1584915	1475225	1524465	1332839	1613244	1536319	1474761	TRUE
101308.2	79209.2	92191.6	75005.6	87025.2	87765.4	92908.5	76405	TRUE
135277	167292.3	150799.5	131928.5	121173.5	122465.4	142630	153663.7	TRUE
79403	85603	79308.7	85408.2	61316.8	78841.2	84570.1	75964.8	TRUE
19453.7	30331.6	7850.5	7946	18903.2	6403.8	10803.4	19988.2	TRUE
128008.4	116624.7	78496.5	183815.2	220611.6	66632.4	167593	206712.8	TRUE
199607.3	221342	158649.7	213471.1	256643.4	126427.4	261417.9	256301.8	TRUE
1050593	1013401	903160.1	1026260	908790.2	857961.9	865767.5	942356.7	TRUE
1727334	1648263	1975663	2414825	2113685	2007824	1961197	2106062	TRUE
88478.3	92558.2	70976.5	112884.6	98216	80936.7	86940.5	88518.4	TRUE
31871.1	21356.2	25996.7	13873.5	23797.6	27765.2	26895.4	38018	TRUE
93629.8	99680.6	85676.9	71146.9	61282.1	94932.3	88693.2	60544.6	TRUE
187227.3	157608.5	133241.4	133383.1	161397	149068.6	146739.4	168016.5	TRUE
1343555	1576359	1830622	2032030	993421.6	910715.7	1616780	976396.7	TRUE
667586.2	808105.9	731847.1	756690.8	587936.7	533133.6	847885.2	547285.6	TRUE
67564.7	32990.6	55929.8	60029.7	45538.8	53686.9	60314.7	53817.6	TRUE
324451	311281.5	325568.7	386391	342343	386527.2	345942.7	332200.6	TRUE
82182.4	64454.9	78335.2	110589.8	79556.8	92456.6	103424.9	89412.8	TRUE
389815.3	339479.7	328289.5	326534.1	379093.5	364720.4	354758.7	397143.2	TRUE
235751.8	243970.1	237603.7	241527	207186.5	268809.1	270803.7	257790.6	TRUE
121669	126018.3	143840	151147.2	91916.2	106898.6	151185.5	139349.5	TRUE
284617.7	241449.9	205399.7	267568	286091.2	275411.7	310221.4	318990.8	TRUE
203251.4	206564.7	192161.2	224681.1	178039.2	207073.8	219853.8	226128.2	TRUE
68959.8	85638	55758.8	70172.8	58484	65511	59232.6	49297.6	TRUE
136164.6	203963.1	283607.6	284751	264383.3	326752.2	271777.5	239166.4	TRUE
63302.6	63203	79278.6	72377.9	86526.7	115962.9	72707.4	117463.2	TRUE
112971.2	99707.3	102471.4	110951.4	133477	154561.4	145985.7	123298.2	TRUE
776017.8	793088.1	614518.9	882267.1	904789.2	839260.6	1123818	699535.9	TRUE
239630.1	230430.8	222558.6	243653.7	223776.7	252864.5	232718.4	223014.3	TRUE
317626.7	415075.6	197378.4	263529.8	258870.5	228005.3	224844.2	242541.6	TRUE
526773.8	492817.5	499231.7	518050.6	526251.6	509323.1	505611.9	526092.6	TRUE
256313.3	254228.9	216546.8	272360.5	281957.9	240388.2	218259.3	273647.6	TRUE

445923.7	397709.6	373215.4	452133.7	447282	404758	421199.6	441140	TRUE
251580.9	257383.1	202609.7	269345.6	228053.6	251042.7	224729.4	232394.2	TRUE
363101.1	352857.7	337595.9	334196.1	337141	368775.8	380587.6	339254.1	TRUE
538413.5	526959.4	442798.9	515802.9	505455.1	561096.8	545857.6	560842.1	TRUE
470161.3	469226.9	549963.2	393120.9	455622.1	462153.3	478183.1	489583.8	TRUE
27287.1	10111.1	39042	38531.7	49732.3	29155	28309.3	44163.6	TRUE
29972.8	37264.5	45305.2	46678.9	51907.7	58293	54067.1	48417.8	TRUE
97186	66834.8	80143.9	80141.2	95184.5	130057.7	120376.7	127770	TRUE
45846.1	44046	31978.5	49524.3	45344.9	57195	47907.1	67593.6	TRUE
96595.6	85621.5	92711.4	125260.9	111097	132212.9	106669.6	119161.7	TRUE
86206.7	50963	72203.8	65724.6	70092.4	88854.8	87915	75716.4	TRUE
137462.5	94245.9	92421	142976	122162.7	193852.5	168475.3	165013.2	TRUE
14237.2	16937.2	22168.7	35026.1	25332.4	35177.2	40155.7	47335.3	TRUE
152513.2	117638.7	136263.1	153102.8	139176.5	138198.3	116113.1	141519.5	TRUE
206277.9	188942.4	175747.3	195143	201944.2	184697.6	169752.1	185758.9	TRUE
519721.5	556138.3	595594.1	618369.4	559584.9	666298.1	623868.4	551445.2	TRUE
43205.6	72127.3	76362	55901.1	72214.8	37087.5	40536	39177.6	TRUE
44798.7	59077.6	61240.8	71531.3	54299	28990.2	39617.7	34910.8	TRUE
463014	398434.9	413891	402366.5	470127.8	548052.1	424774.9	521994.7	TRUE
861489.1	751023.8	833319.4	861275	820928.7	810674.4	808017.9	867304.6	TRUE
46697.7	45181.5	48131.4	44809.5	44771.2	45036.3	57262.1	43953.1	TRUE
174578	207130.2	140167.1	205166.6	173106.2	173921.6	163662.3	155098.4	TRUE
797422.5	817018.1	697864.6	690385.3	681340.7	748024.2	863696.6	690285.1	TRUE
401556.2	422907.5	372958.9	485706.7	464852.1	435448.9	448391.2	471960.4	TRUE
154733.7	139815	127515.1	158165.6	167920.4	124046.4	161213.7	172544.2	TRUE
58722.3	61591	52596.1	70189.2	49930.5	84667.4	79936.4	73971.6	TRUE
16331.5	9580.7	13707.9	23862.6	9530.3	7595	22242	13298.3	TRUE
37043	28384.4	40985.2	38040.8	31378.6	33204.8	35631.7	35115.1	TRUE
49446.3	30821.7	16529.5	37104.6	23479.9	28238.2	40980.7	41326.8	TRUE
39659.3	40260.8	33123.8	55589.9	41589.1	52828.5	61215	51909.6	TRUE
54022.2	63648.3	48541	44195.3	46506	45886.3	65848.9	64317.4	TRUE
78493.3	71551.2	77184	98499.9	84161.8	80768.5	83057.2	90909.8	TRUE
58169	81567.4	72439.4	88497.4	71959	82953.6	80056.8	77425.1	TRUE
154647.6	149818.3	150336.9	157102.2	175774.4	166937.6	166054.4	160445.6	TRUE
138377.6	137917.6	144183.2	141971.6	161040.9	184274.1	141523.9	155303.8	TRUE
84973.4	79924.4	76267.8	71034.7	101567.8	79185.3	82293.5	80118.3	TRUE
82963	58534.6	59657.8	88605.2	84111.4	62859.2	74599.1	75779.9	TRUE
240172.7	247275.2	185844.7	310082.4	246555.1	212470.2	252464.6	255409.2	TRUE
52303.6	61167.4	68400.3	74387.7	80393.3	70583.7	65314.7	82925	TRUE
117558.4	110971	89942.2	97301.3	94955.4	136409.8	93598.7	143099.2	TRUE
55419.4	40023.1	33973.6	41090.5	47248.3	70100.9	71540	61481.1	TRUE
114931.1	118967.6	115383.7	141317.9	118793.2	115168.4	129137.6	123253.6	TRUE

153367.8	123448.4	116730.4	163634.6	128497.9	200570.8	214137.5	193691.1	TRUE
230552.4	256681.7	191393.5	229486.9	223696.6	233747.5	271873.8	245850.1	TRUE
191226.1	205604.7	202535.2	219581.2	216201.1	195557.4	239983.3	186294.6	TRUE
565741.1	444684.5	421028.3	559643.5	500913.4	649537.9	575745.4	584036.9	TRUE
29427.2	29278.9	18853.5	19994.3	29009.2	27843.3	27710.7	32282.1	TRUE
215369.2	178715.7	143900.8	144560.8	163654.2	148276.7	175934.7	176240.6	TRUE
524960.5	523680.7	331808.3	460876.5	461043.5	359000.9	509970	472625	TRUE
48882.1	44853.6	53387.1	61884.3	64086.6	51647.5	49412.3	65287.4	TRUE
775126.3	777673.4	745695.8	1014780	1004892	855266.8	1032296	1029578	TRUE
21154.3	79146.2	29461.3	43010.2	48862	13633.3	9889.4	4721.2	TRUE
742635.5	706082.6	764602.3	787904	634718.7	707380.1	766950.2	671508	TRUE
1387456	1352917	1337713	1406998	1159593	1282399	1384520	1433197	TRUE
50956	35656.5	35496.7	42090.9	40062.7	55349.2	54946.4	58932	TRUE
69830.3	90231.6	73799.7	89358.7	109135.1	67907.2	93802.6	81207.1	TRUE
82272.6	128025.7	92849.1	123984.4	92489	85821.8	106674.1	93990	TRUE
59843.9	85545.6	100602.8	71626.8	87996.7	56566.6	57626.6	59884.9	TRUE
270651.2	265438.7	175702.6	297531.6	294831.5	309173.7	364176.1	350368.1	TRUE
47621.6	68519.8	40324.6	26068.7	44147.1	27713.3	38977	46994.5	TRUE
103992.5	106407.8	111972.3	124847.4	141203.4	112878.1	153130	132165.5	TRUE
207458.3	205677.3	225624	252392.5	268849.6	202605.5	269201	268523.2	TRUE
47996.9	38933.9	35830.7	54070.8	40316.4	37826	41049.1	42974.8	TRUE
38585.5	86056.8	34411.6	61552	66109.8	32638.6	31114.9	28529.5	TRUE
963401.8	1564957	1097450	1698635	965496.2	936635.5	980427.4	955716.9	TRUE
1538497	3149707	1833849	2962069	1540190	1374567	1505327	1585922	TRUE
54919.4	60633.1	35664.1	40620.3	52857.6	37659.1	47467.9	57968	TRUE
107686.5	108750.7	87902.9	96799.9	100613	84877.1	88016.2	79861.9	TRUE
230663.4	204097.1	100106.8	157535.6	161631.4	146656	194442.9	212809.4	TRUE
297223.6	277007.9	277013.6	272088.9	276757	311470.3	312529.3	340331.7	TRUE
101012.3	96805.5	73569.8	97317.1	75567.7	123219	113972.9	96263.9	TRUE
397883.4	375819.1	354457.5	431913.1	302080.1	442066.9	435383.4	452415.8	TRUE
333234.9	389393.3	288244.8	357193.2	367177.2	293333.5	325806.5	344828	TRUE
115937.3	108458.5	121915.9	102909.5	90683.3	94866	102061.3	94212.3	TRUE
1112356	1133771	1240544	1416785	916746.7	1126703	1387109	1069716	TRUE
75323.2	65578	58598.5	61934.6	78085.2	70431.7	83938.6	96765.4	TRUE
86231.7	79146.7	81732	67138	69065.4	91041.3	89004.6	89928.9	TRUE

39537.1	48806.3	41379.4	47086.6	49085.9	47722.1	35782.7	70532.8	TRUE
24158.8	31852.9	14504.7	27740.6	20976.2	24517.8	25678.9	20280.6	TRUE
29902	26423.5	15514.7	16502.1	6783.5	35313	20852.2	15547.2	TRUE
43510.5	38113.7	42898.1	41398.9	41306.1	66406.3	54027.9	30351.2	TRUE
37303.3	39408.7	42440.1	44867.7	57094.8	50179.9	69910.9	61541.1	TRUE
45171	23761	48548.4	37760.6	51532.8	59751.3	43055	59872.9	TRUE
941229.5	679928.9	877515.8	882662.7	959064.1	893473.5	737131.3	918788.1	TRUE
197992.5	191224.2	143768.6	222663.5	175917.3	180946.1	202931.7	192513.1	TRUE
161630.7	161859.9	154158.1	182743.5	189596.4	176577.4	207362.9	194285.6	TRUE
93241.2	73204.5	94050.2	85123.4	90039.6	88712	82699.8	95473.4	TRUE
215318.8	187744.6	276387.8	250329.6	239554.9	275811.9	184952.6	274021.8	TRUE
42482.5	34512.8	44893.8	45207.2	36214.1	50001.4	34746.6	42958.9	TRUE
166068.1	140250.8	113851.7	176499.5	132131.2	164735.3	188799.9	157651	TRUE
164412	112446.3	137361.9	179295.7	164348.3	175310	155219.5	169721.1	TRUE
593710.7	1460632	580930.7	627750.5	563347.3	628041.7	745608.8	563769.7	TRUE
40741.6	50948.2	36724.8	30840.6	32995.1	43960.2	56695.8	32327.5	TRUE
1811709	2021441	1744766	1800498	1622917	1784369	2019538	1652933	TRUE
60113	45507.2	66778.9	58952.5	50652.5	48595.4	71014.6	55904.8	TRUE
421226.4	449509.9	449282.8	466360.8	404611	424645.7	418719.2	440527.4	TRUE
1050616	1004893	940416.8	1045776	966156	1012857	1084171	983406.1	TRUE
2164395	1679834	2216112	2132321	2524969	2110937	1863990	2108800	TRUE
8050	9327.4	12088.5	9618.6	7436	9114.6	18172.5	11413.8	TRUE
114094.7	192528.5	125920.5	178587.9	176637.8	118909.5	107288	89867.8	TRUE
175416.4	189481.7	151997.8	139714.8	158772.6	170793.3	184329.7	144075.9	TRUE
55586	42987.6	71657	69427.1	73743.9	74384.5	59408.8	78825.8	TRUE
84652.8	93901.4	108236.2	99467.1	87569.8	104621.1	99484.8	102463.8	TRUE
65813.3	57113.5	80202.4	77843.5	65475.1	85384.6	63468	78729.8	TRUE
101263.3	74121.4	85697.9	98337.8	89503.2	89276.8	75594.9	105589.3	TRUE
132026.8	111336.8	131983.7	129976.6	108491.9	128736	137292.8	100387	TRUE
100625.1	78657.9	93276.8	105468.5	98077	102291.9	74489	96160.6	TRUE
38573.1	42228.9	26428.5	30790.3	18077.6	35680.1	24514.7	30985.4	TRUE
477710.9	479434.7	342033.7	350631.3	320811.1	364228.1	398904.1	334602	TRUE
198535.7	221988.2	169526.8	211724.8	179853	177496.1	203499	176112.8	TRUE
476566.2	538230	495843.7	517857.4	446810.4	528990.1	521103.1	443174.1	TRUE
504115.8	439735	608780.4	639441.1	489479.6	537449.7	443481.6	510261.8	TRUE
568372.4	582359.5	777582.8	859176.9	657338.2	686957.1	547519.4	664304.5	TRUE
458127.4	419404.2	405540.5	420072.2	474112.3	439245.4	434604.8	454112.5	TRUE
795744	770562.2	967085.7	951719.9	763121.7	650576.9	813002.9	660289.8	TRUE
800495	775908.2	978862.3	995270.2	811493.7	702271.7	840857.9	697361.1	TRUE
84025.1	75581.6	74602.1	58480.4	62662.2	57129.8	69960.3	72753.1	TRUE
82820.3	83321.7	92425.6	94521.7	104589.6	85056.5	107928.7	95942.1	TRUE
41479	53208.4	51959.7	45725.5	42659.2	34718.5	44669.1	53660.4	TRUE
19606.7	6716.1	25750.3	14482.6	23860.3	26676.5	10660.6	15083.2	TRUE

1278537	1300948	1336046	1382208	1152594	1217352	1387475	1214425	TRUE
89366.3	98122.1	85422	81128	90837.4	84603.6	99555.2	91616.4	TRUE
70565.2	70577.8	70010.2	76522.4	52953	56796.3	73145.9	56984.9	TRUE
481238.5	625351.9	370506.3	523134.8	627745.4	388212.1	607792	602267.6	TRUE
1276922	1536652	1552528	1569833	1052307	1461785	1704105	1436820	TRUE
907019.5	1119416	1041444	1021375	736290.2	921610	1265783	970205.3	TRUE
162228	219642.4	222306.4	162864.4	181867.1	161825.4	203712.5	162116.6	TRUE
106113	115043.6	117082.9	103433.6	83158.7	96773.3	102614.8	84829.2	TRUE
830469.2	865823.3	697363.9	770378.6	724347.5	811728.8	854731.9	789540.6	TRUE
397169.5	443769.4	389030.1	439906	380638	400669.5	409224.8	430895	TRUE
1738956	1482861	1843395	1771369	1742375	1559008	1632724	1577950	TRUE
97599.9	96623	100462.3	84503.4	83141	142608.8	93938.2	104761.4	TRUE
39524	42308.1	53642	40024.8	43417.1	30408.4	49349.1	36340.7	TRUE
36577	31662.5	48792.2	44171.8	30623	30608.5	35175.6	44896.7	TRUE
29895.8	30792.4	34525.5	34191.2	30084.8	30046.1	32016.9	32559.4	TRUE
54125.7	62226.6	45189.3	46605.2	48096	62870.5	56710.5	59500	TRUE
33191.1	11340.2	34669.2	29468.4	26584.2	31897.8	36001.5	39144	TRUE
38983.6	48971.2	50514.2	38161.3	49253.9	61562.6	63907.4	65589.7	TRUE
87825	48479.9	49685	46641.2	57037	82615	63643.3	72560.8	TRUE
58916	42853.1	33184	36486.3	37029.7	29897.8	30252.3	50890	TRUE
109109.2	111122.6	106101.2	105938.6	105119.2	100673.5	92992.1	111851.3	TRUE
63041.4	88698.2	71748.2	83222.4	91273.7	55989.3	52839.5	51625.2	TRUE
186897.8	207256	268305.1	248182.8	190110.5	238627.4	186978.1	189265.4	TRUE
767260.9	698037.1	803121.1	741496.8	914074.5	742777.7	725695.2	742153.1	TRUE
135607.2	165170.4	125036.6	172168.9	162547	109872.3	133378.1	126640.9	TRUE
56076.8	40404.6	53911.7	53927.5	55101.7	39749	43125.4	53053.5	TRUE
107294	124019.2	101095.2	139492	106824.2	114928.1	109807.7	89907.4	TRUE
97593.6	65995.4	87851.5	86412	91178.5	125844.6	111467.8	105003.7	TRUE
301689.4	332820.3	481689.5	376219.4	374834.3	254630.2	290643.7	291901.3	TRUE
622159.3	500914	489522	592784.4	662254.9	553727	500376.3	609361.3	TRUE
53004.1	63038.4	37094.8	35540.8	50681.8	59385.3	33767.4	49462.7	TRUE
77661.2	66835.3	49760.3	64213.9	78269.2	73543.1	104603.3	108688.9	TRUE
94989.8	58798.1	85244	101883.2	72341.9	105644	104583.9	88968.7	TRUE
42797.4	42423.2	43287.5	47873.7	32311.6	59288.7	39681.1	45759.6	TRUE

1138506	1075708	1199003	1296735	1043333	1216830	1199165	1169407	TRUE
1105759	999569.6	1100047	1196577	942562.5	1104970	1080113	1124688	TRUE
743403.8	691974.7	835727	865868.3	694851.5	800295.2	831428	761683.7	TRUE
373779.1	323314.7	322120.4	306812	327663.8	291304.1	349948.2	336485.9	TRUE
298812.3	321251.1	195673.9	247775.9	239846.7	222845.3	273102.4	244007.8	TRUE
783466.5	642713.1	848067.9	831714.5	723752.8	846265.9	708795.3	740593.9	TRUE
350301.8	324855.5	196853	345587.3	301741	243108.3	375873.3	327245.6	TRUE
302056	268955.6	287848.1	371513.4	236791.7	374040	325274.6	388957.1	TRUE
314988.3	271404.7	195885.3	268453.8	275980.3	277054.4	305394.8	298067.5	TRUE
73565	60551.8	47664.2	62281.1	62604.8	53523	81934.5	83672.8	TRUE
22912.4	31855.9	28654.5	43256.4	38357.4	52552.1	32386	35463.1	TRUE
91398.6	62156.5	66898.4	70442.1	67293.2	81203	77194.4	71660.1	TRUE
186835.1	151696.4	170958.1	169007.8	143467.2	202947.3	175804.2	195694	TRUE
418785.4	409915.4	404629.4	396936.2	398360.6	386410.4	415851.2	411649	TRUE
270144.3	288842.6	238372	223660.5	252790.2	313685.7	264469.3	274173.6	TRUE
882298.8	884939.2	851835.3	917487.5	726184.8	817146	879129.7	844166.3	TRUE
263789.9	211723.6	220749.8	219753.3	177840.1	191865	189232.5	216326.6	TRUE
253231	220601.2	274840.1	307699.5	227240.5	258512.1	248316.8	252430.4	TRUE
109295.9	87843.9	127665.7	123791.3	89214.7	110953.6	110265.8	120910.8	TRUE
316993.2	315463.1	343688.9	408016.4	277094.1	369807.5	283037.6	424854.8	TRUE
65796.7	87040.7	52129.1	54637.3	41866.7	63219.7	87416.6	59611.1	TRUE
450488.2	441556	415181.1	439667.7	345375.7	391457.2	426991.5	375989.4	TRUE
232176.8	288228.6	230567.7	244118.7	192716.8	247643	223313.8	186566.3	TRUE
278299.3	212066.9	310220.5	330027	243009.2	512706.7	218120.4	451188.4	TRUE
2508992	2532324	2725319	1498780	2605647	2745482	2517805	2601903	TRUE
1274371	1161134	1274972	642366.7	1244689	1314747	1248544	1283722	TRUE
86489.1	61259	88455.6	68932.6	99683.1	92070.3	94892.7	113187	TRUE
98172.1	93209.4	123720.5	124435.3	92843.2	129447.6	123692.6	92651.4	TRUE
97168.2	97929.5	119679.4	125780.8	109423	162832.9	85200.2	140336.7	TRUE
2223045	2254054	2578257	2499785	2395346	2170832	2327483	2246275	TRUE
1752040	1449371	1448546	1384091	1210338	1664543	1435951	1287825	TRUE
553415.1	541496.5	665245.3	539506.9	560938.4	683326.7	560220.2	641821.4	TRUE
416773.8	438249.8	530426.4	508328.3	416918.6	577824	498966.7	424917.1	TRUE
268432.2	275233.6	298768.5	287886	256289.8	315759.5	292022.1	276159.9	TRUE
61204.8	57299	68376.8	67490.3	54623.1	71595.2	62423	65831.6	TRUE
43724.3	95708.1	69618.3	94600.1	73796.8	51928.8	47362.4	44682.6	TRUE
3078787	1903519	2777643	2677746	3105498	2929115	2087073	2901025	TRUE
385271.9	253813.3	308627.4	349790.1	320357.9	369275.7	317872.5	357961.5	TRUE
1929471	1288381	1279435	1534621	1234505	1502825	1455710	1750642	TRUE
2196500	1844467	2441613	2957983	2444240	2258154	2261474	2486992	TRUE
284285.8	289286.5	280445.6	342726.4	255610.8	290130.3	283892.9	263078.2	TRUE
174688.3	194051.9	175244.3	175881.1	152757.5	168507.9	199208.2	151736.7	TRUE
855114	700748	888200.5	846631.4	910884	897709.4	812899	899569.8	TRUE
702681.5	543158.7	617828.1	661613.5	639574.6	625727.7	573524.4	568275.7	TRUE
353406.7	399654.9	341480.6	369176.8	365763.4	306743.7	329014	320295.9	TRUE
137217.5	125585.2	79181.6	89208.4	88152.8	85550.4	100213.1	91405.3	TRUE
287307.4	319898.1	337830.3	298483.7	301996.1	375448.6	318307.2	283318.7	TRUE
173563.3	168200.1	209458	217965.6	181453.4	210992.9	190844.1	187256.1	TRUE
189097.9	162292.8	205982.9	219986.7	219998.2	199427.9	251128.2	204774.3	TRUE
2715660	2436674	2900802	3206499	2834910	2542958	2566602	2619254	TRUE

166330.5	153635.7	191065	205638.6	160731.7	197416.1	159307	166161.9	TRUE
142256.7	112585.9	92936.1	120776.7	113968.3	169091.4	160240.6	138121.1	TRUE
232514.5	208556.7	246663.9	220344.4	233947	240235.1	180146.8	233816.9	TRUE
52612.5	78998.6	49658.7	40206	55008.8	40835.1	149797.7	62697.8	TRUE
19309.5	39926	21532.5	30511.2	23722.8	16325.6	44828.5	24216.4	TRUE
94298.2	83984.8	56973.2	88848.1	98806.7	64758.4	87890.2	75920	TRUE
157018.5	143906.5	139918.9	172152.5	160509.1	141218.3	180901.1	176399.3	TRUE
25958.8	32532.1	11161.5	21364.6	23631.9	15403.1	33034.4	34529.2	TRUE
96993.1	158599.9	42144	83705.8	133135.7	45892.2	130050.8	121057.2	TRUE
46976.2	63107.4	33785.6	55199.3	59259	32080.6	72657.6	66675.6	TRUE
113274.2	116727.1	136163.5	155042.2	57653.9	91216.7	117619.7	96874.4	TRUE
181635.4	169163.9	239273.9	257929.8	206654.3	206013.8	229359.5	215167.9	TRUE
80239.1	83762.3	93292	109429.3	93413.2	88735.2	93157.1	96882.3	TRUE
112507.2	94472.1	71178.3	93160.5	86458.8	96675.7	124702.7	105557.7	TRUE
187084.3	161580.9	185415.4	231520	152148.6	214753.3	205337.4	223981.3	TRUE
146820.6	160433.9	109472.2	145462.5	120768.5	131009.4	163903.8	159932.9	TRUE
264446.5	374468.4	359388.9	288171	278903.3	222508.7	285340.7	260351.6	TRUE
48282.8	64222.4	50659.5	59218.6	60411.4	53163.2	67017.5	72974.2	TRUE
108341.7	127824.5	127576.3	155399.7	123745.6	127404.5	152522	124353.1	TRUE
1370938	1442790	747798	862191.3	991324.5	759130.1	1133456	1026196	TRUE
99219.2	112596.1	108405.5	129990	155420.2	122640.3	121817.9	122124.7	TRUE
25288.1	38642.5	10799.6	58646.9	55908.3	20805.5	43538.3	33603.4	TRUE
521040.9	626908.6	323267.7	527603	522114	345214.2	563162.7	516063.7	TRUE
146291.9	144768.6	82504.8	159495.3	117124.9	150093.7	168261.2	125233.8	TRUE
109243	110250.7	77606.7	99219.5	90465.3	107579.8	112936.6	111952	TRUE
32789.1	41803.9	36544.5	44864.6	25979.5	24683.5	28342.3	24577.1	TRUE
130790.8	156826	107182.2	134737	141938.4	127345.8	203800.4	142279.9	TRUE
76230.3	89474.7	63395.2	77737.8	94687.4	69725.4	124499	97240.9	TRUE
169405	125919.8	137540.4	140597.3	116890	163849	116144.6	105021	TRUE
193871.7	178147.6	228542.6	229848.2	169432.5	242333.1	209781.7	208975.9	TRUE
239007.5	205847.9	264166.7	232694.4	258708.9	261007	249961.8	268447.2	TRUE
85080.4	59395.4	82106.4	86070.2	63251.6	89798.8	65578.9	70582.6	TRUE
379299	361565.4	248757.6	323744.6	292454.7	269832.7	321072.4	306855.9	TRUE
16171.9	11379.2	8794.5	11678.6	20910.2	5927.2	13059.1	8768.2	TRUE
136502.8	138421.4	220209.8	190569.3	117299.9	332837.2	163730.5	295171.6	TRUE
276426.1	242531.5	284312.6	287218.6	204501.3	312260	252397.9	223219	TRUE
56018.4	43201.5	74845.5	64792.4	48587.8	79601.2	61835	52056.1	TRUE
393915.9	354183.3	362101.4	377410.6	437779.6	375203.4	341467.1	427697.5	TRUE
234633.8	199255.8	236023.1	260497.9	233835.4	239226	283182.3	218026.8	TRUE

101135.4	102009.4	132589.1	143157.2	103016	145529.9	105554.2	89229	TRUE
10731692	10547393	9600420	10504609	11042983	9382652	11584729	11802176	TRUE
158352.4	152577.2	185435.6	186660.9	142511.3	216360.9	167717.5	147955.3	TRUE
160965.3	147350.6	119138.1	125742.2	131501.5	98891	136066.1	120930.4	TRUE
3505445	3220674	3187193	4084305	3819616	3271037	3974867	3809372	TRUE
5909.8	79281	3081.3	6060	9048.7	7001.9	7581.3	17193.1	TRUE
271018.6	293349.9	197635	302210.2	322801.2	239132.2	321356.9	337748.9	TRUE
2478532	2391397	2082060	2452924	2149080	2074454	2346847	2171527	TRUE
951421.8	973655.4	781118.2	939808.4	886254.2	840698.9	899279.2	880190.9	TRUE
123987.2	100721.8	120232.7	119397.6	101681.2	125252.8	130262.3	116776.7	TRUE
2003037	1749994	2069473	2174847	1836900	2160774	1748353	2063106	TRUE
858500.8	940865.9	900299.1	945482.7	816578.3	819820.7	738571.5	852212.8	TRUE
13336.9	10755.6	20323.9	6226.8	7913	16729.3	17770	9308.1	TRUE
55711.9	35999.4	37079	36887.1	35804.5	48207.7	50809.7	40388.7	TRUE
180159.8	145151.8	196378.3	213835.8	197482.8	182038	170941.3	202599.4	TRUE
485165.5	443168.2	372674.5	529349.5	550014.9	411986.5	376493.4	507312.4	TRUE
909902	890138.6	896667.2	965701.8	863405.4	884058.1	943847.9	933946.6	TRUE
139140.6	116053.7	215049	110646.5	100250.7	226914.5	127782.8	92829.3	TRUE
12808.3	15805.5	4283.4	7240.4	17750.3	5049.9	7508.7	7181.8	TRUE
641308.4	550905.6	686509.4	635921.2	604066.6	617982.3	588976.8	641069.7	TRUE
44195.6	37873.9	33923.2	54134.9	30772.1	43085.7	52574.9	39718.8	TRUE
196125.1	171448	148030.9	240772.1	171966.3	186903.8	232341	216057.5	TRUE
46625.3	44459.8	56205.8	46121.7	35805.2	43190.8	45675.4	45864.2	TRUE
99221.9	78618.1	103874.2	105428.3	82423.2	88685.2	92543.6	90988.8	TRUE
457860	453488.2	459998	478060.9	440154.6	475296.8	499791.7	457353.3	TRUE
1744530	1544840	1670633	1902989	1972004	1831882	1697263	1670497	TRUE
71516.1	84083.7	88025.5	102385.6	87009.4	89449.4	86261.3	87305	TRUE
1115346	1023397	1155426	1176432	1111071	1070996	1025262	1120789	TRUE
76311.4	77300.6	68221.4	85440.1	79880.2	83002.9	84926.8	94726.1	TRUE
41376.6	39627.3	39356.3	40463.2	35593.8	37448.6	35876.8	30193.3	TRUE
36666.3	41864.4	46536	41854.8	34064.3	47063.4	32723.1	36615.9	TRUE
80187.8	48777.3	66456.3	71772.1	67080.7	69218.1	67971.6	74043.4	TRUE
116246.6	117303.2	101689.1	132711.9	112465.8	102416.5	124357.1	134683	TRUE
233679.9	206433.4	220604.8	237329.8	220525.2	222677.1	246804.4	207981.4	TRUE
268550	269254.7	305157.7	251836.5	271626	278657.4	277053.4	275697.5	TRUE

359843.6	307642.1	384210.9	356807.6	370149.1	356705.8	328413.6	352867.4	TRUE
75303.3	73375.3	64912.4	64034.8	67117.8	89076.6	120140.4	89806.2	TRUE
82670	67099.6	77740	59090.7	84713.4	106302.3	97417.9	86256.8	TRUE
232029.5	214422.5	219601.2	172548.5	143263.4	204803.4	239972.2	167897.6	TRUE
54101.5	51899.9	52694.3	24078.1	48415.2	100528.1	71793.6	67384.3	TRUE
7433.2	9592.5	16568.4	10885.8	8669.6	23527.1	7605	12240.8	TRUE
74964.7	67272.5	92185.6	42053.6	58859.9	37446	57298.6	30694.2	TRUE
36062.1	7649.7	33446.9	37425.1	43513.3	35457.4	38048.4	33775.5	TRUE
81523.5	75776.6	109064.1	98824.9	80302.9	68752.3	63752.6	64107	TRUE
36018.3	38706.7	54646.8	21031.9	27988.5	45171.9	42575.9	24470.6	TRUE
186434.3	227115.4	304217	170040.6	144237.8	322687.5	283129.1	144226.6	TRUE
69349.1	45515.6	88718.9	69031.8	82364.3	116723.6	99162.5	75371.4	TRUE
48475.5	38338.3	50053.6	53192.9	43963.3	46709.5	54921.6	40704.3	TRUE
21319.8	28926	32569.8	10080.4	30207.4	18739.5	12314.7	6060.6	TRUE
55416.5	63320.8	46644.9	67103.9	55332.8	59927.5	72934.4	70383	TRUE
365525.7	438101.4	438926.1	238421.3	237390.8	472796.2	391475.4	261928	TRUE
97504.9	120330.6	143152.4	66083.7	69829.8	153818.8	120817.5	91829.3	TRUE
229041.3	219794.5	279834.3	126674.7	145573.7	259515.7	246193	173793.7	TRUE
151614.3	143031.7	155230.6	159337.2	209792.4	138812.8	129413.7	122592.9	TRUE
874665.5	925809.8	1146830	777768.8	780575.1	1137892	992348.2	746356.7	TRUE
151107.8	180667.6	205413.4	112527.3	104457.8	223125.5	208242.5	116737.1	TRUE
2277314	1614304	2439058	2322211	3008105	1920452	1780290	1981318	TRUE
75303.3	73375.3	64912.4	64034.8	67117.8	89076.6	120140.4	89806.2	TRUE
82670	67099.6	77740	59090.7	84713.4	106302.3	97417.9	86256.8	TRUE
232029.5	214422.5	219601.2	172548.5	143263.4	204803.4	239972.2	167897.6	TRUE
37908.2	36284.5	62635.3	12530.5	36160.2	51111.9	26099.5	38483.7	TRUE
41001	41031.4	39516.4	41625	47753.6	32352.7	14118.7	18008.9	TRUE
54101.5	51899.9	52694.3	24078.1	48415.2	100528.1	71793.6	67384.3	TRUE
78015.1	68117.6	139064.2	64061.4	58992.1	152297.4	88421.9	70629.2	TRUE
32490.5	46684.3	37858.7	38505.5	43652	44209.6	40464.4	29351.3	TRUE
69151.9	75298.8	73568.8	31133.7	48868.8	72820	55891.1	50486.7	TRUE
69349.1	45515.6	88718.9	69031.8	82364.3	116723.6	99162.5	75371.4	TRUE
48475.5	38338.3	50053.6	53192.9	43963.3	46709.5	54921.6	40704.3	TRUE
21319.8	28926	32569.8	10080.4	30207.4	18739.5	12314.7	6060.6	TRUE
55416.5	63320.8	46644.9	67103.9	55332.8	59927.5	72934.4	70383	TRUE

365525.7	438101.4	438926.1	238421.3	237390.8	472796.2	391475.4	261928	TRUE
874665.5	925809.8	1146830	777768.8	780575.1	1137892	992348.2	746356.7	TRUE
151107.8	180667.6	205413.4	112527.3	104457.8	223125.5	208242.5	116737.1	TRUE
2277314	1614304	2439058	2322211	3008105	1920452	1780290	1981318	TRUE

101327	82407.8	105971.9	115373.3	148500.2	90765.4	95775.8	91002.7	TRUE
146829.4	133141.4	149823.6	139471.4	95036.5	122606.7	145504	117626	TRUE
863539.9	583144.4	775407.2	819229.4	879928.6	892861.4	622242.6	870871.5	TRUE
254452.9	263781.4	246337.4	266177.1	225415	275123.1	265161.3	258301.1	TRUE
183147.3	179681.5	204299.3	203861.1	129284	204769.7	204204.4	150600.6	TRUE
123036.1	159211.1	129520.6	180481.4	162052.2	155902.3	161956.1	134212.3	TRUE
84396.6	66763.4	108608.5	139706.9	94558.7	135104.8	131295.3	98090.5	TRUE
145432.8	154086.8	140740.5	165716.3	172986.2	164846	190659	171378	TRUE
171310	159849	156686.4	126111.7	126516.2	181876.5	134196.4	155059.5	TRUE
39377.7	62397.3	78037.2	46085.1	40703.9	65524.3	73432.1	66394.8	TRUE
141532.2	97528.7	142008.1	179039.6	124958.9	168617.8	143248.9	116091.8	TRUE
200321.1	197731.3	196607	187205.9	229608	211074.7	182136.1	212830.5	TRUE
44415.3	23999.1	39881.2	42734.6	46307.4	44339.5	48321.6	45937.9	TRUE
318309.4	283927.5	419113	330327.3	350486.2	379885.8	282754	340036.8	TRUE
113218.6	91989.3	116147.2	129615.5	114087.5	115266.8	87395	109783.3	TRUE
215828.7	187951.6	208971.9	222469.3	221465.8	230234.7	214259.5	255327	TRUE
143629	125079.9	131069.1	132716.4	127013.1	159370.6	150456.4	97519.2	TRUE
80657.3	70020.5	80440.7	93996.7	57571.2	98420	83725.8	59766.1	TRUE
58444.1	64021.2	46826.2	65214.2	39506.2	67212.2	65178.4	57490.9	TRUE
16772.4	24237.2	23206.4	7416.9	28406.8	16172.2	8196.2	8835.6	TRUE
28261.1	10800.5	19377.2	31122.4	10030.5	23149.3	30250.4	26617.7	TRUE
121762.6	137412.7	125981.6	116781.2	98893.3	129162.8	100948.8	90765.6	TRUE
529604.2	378937.1	552690.9	572776.5	584855.1	551684.8	410324	539381	TRUE
325164.9	310552.6	302551	337751.8	278238.2	309147.7	308216.7	300355.3	TRUE
140233	127743.1	163236.7	150853.9	161375.5	195033.2	185748.3	170099.5	TRUE
171114.4	139575.2	146421.6	159336.3	151519.7	166407.7	189121.4	173888.3	TRUE
128000.9	100064	112234.1	146491.4	138106.7	148753	117358.8	145380.5	TRUE
45951.8	56964.3	31286.8	34958.4	9318.1	42483.6	49725.7	34008.3	TRUE
132811	108240.5	103685.2	140136.1	84377.6	194986.9	164375	163773.5	TRUE
102411.9	85632.8	85981.6	116956.8	122457.1	95776	92314.2	82779.8	TRUE
177617.9	150619.1	174946.7	215660	161442.6	155183.1	162120.6	168356.9	TRUE
119994.4	104741.4	148698.5	117107.9	123279.5	107055.6	109817	133203.9	TRUE
27125.9	17336	20476.9	4803.2	22297.3	10635.9	13866	25137.7	TRUE
1074230	779561	1094067	1387701	1289001	1178538	1069941	1414826	TRUE
137956.4	152272.2	123799.5	222075.6	274199.4	133733.9	179749.7	225641.3	TRUE
124424.2	143439.5	94162.4	179137.9	251337.4	109214.1	167909.8	230933.3	TRUE
35547.5	57303.8	14539.4	31644.5	48016.8	7802.4	21833.8	21290.8	TRUE

237069.6	370511.3	327584.2	320354.4	191486.2	356684.6	389830.6	326522.5	TRUE
121039.5	246355.9	191400	176432.5	85611.7	239398.8	248639.5	196776.2	TRUE
99309	81831.7	81285.5	106959.4	127798.9	77908.7	96649.9	120174.6	TRUE
112743.5	88221.4	143273.1	90783.3	94482.6	155794	97248.7	92802.2	TRUE
44177.8	32830.2	38046.9	48329.1	50610.5	65754.3	64336.3	54712.5	TRUE
131350.5	104551.4	70978.2	62716.1	88569.8	68223.1	68915.9	77902.1	TRUE
170393.9	157048.6	113063.8	98775.6	117608.6	126029.3	125668.5	122591.4	TRUE
302978.4	411477	280794.7	313017.7	357277.9	305188.9	278372.1	347047.5	TRUE
69395.9	76432.9	57448	76612.6	73167.6	50262.5	45780.1	59512.3	TRUE
582679.5	556873.2	544975.6	539233.2	521131.3	598149.5	608174.1	569899.6	TRUE
1879244	1656190	1634172	1538351	1755470	1940437	1786549	1880087	TRUE
115854.9	151837.4	108642.5	163422.5	138279.2	141359.8	124705.6	95185.6	TRUE
250939.3	292505	250945.2	235035.9	248158	264326.2	237724.9	264929	TRUE
583402.2	541253.9	542446.2	599219.8	665491.3	557595.9	578040.2	623784.2	TRUE
1709705	1562267	1636136	1895375	1757460	1592730	1489946	1654663	TRUE
192992.3	152638.9	135004.8	122553.1	128380.1	131666.1	133485.3	153931	TRUE
64686.7	67817.4	68646.7	66822.7	63595.5	59885.5	59826.2	54900.7	TRUE
233226.1	164135.6	254223.5	213934.2	195917.8	230582.9	151802.8	209494.2	TRUE
198010	175918.1	187289	243015.1	232180.9	195050.6	206572.9	249533.9	TRUE
1044087	1141562	1009343	964344.9	1055015	1032935	1293688	965005.6	TRUE
264775.5	240224.2	235904.2	284119.4	346845.2	264087.9	253293.6	338646	TRUE
109611.6	82513.5	91107.8	95390.2	97164.4	86714.5	87729.4	106855	TRUE
81455.9	57830.1	80800.5	67590	58218.5	89655.7	81332.1	69233.5	TRUE
28497.8	8983.7	33007.4	21866.6	24852.6	45170.6	11970.2	23253.5	TRUE
45191.5	43711.9	71017.3	46220.1	35874.9	75161.3	38220.8	35644.5	TRUE
64140.8	53806.3	74587	66475	67054.9	72580.1	41624.5	59863.4	TRUE
30752.3	5261.9	34500.6	15215.5	10886.6	33500.7	9971.6	9751.8	TRUE
46679.8	54818.3	58737.5	47591.1	34268.8	58944.3	55510.4	38109.6	TRUE
203960.7	177776.4	278954.7	172061.4	164180.6	255559.9	158987	160340.4	TRUE
68982.7	62327.4	95317.6	59684.2	54863.7	111918.3	74166.6	62122.2	TRUE
884213.1	590192.2	1237757	863487.9	590708.1	1321172	683092.5	571892.8	TRUE
53938.5	60242.6	82762.3	48347.7	54830.6	60830.8	56351.7	57606.3	TRUE
64382.8	58209.7	115101.4	51872.8	58456.1	110885.3	57184.6	50345.7	TRUE
1821505	1236949	1525895	1509287	2799640	1627524	1247034	1778315	TRUE
112494	100174	162005.7	112858.7	99277	159548.3	118447.7	100647.4	TRUE
174032.1	121686.4	338873.1	143926.9	100636.9	326987.8	106693.3	96131.1	TRUE
139044.2	93106.1	144701.4	132934.9	92189.3	244900	124950.1	148108	TRUE
101747.5	67109.1	112348.6	100040.1	71528.9	182224.2	112016.6	99652.4	TRUE
247063.1	189457.3	312738.3	220409.3	208122.3	322792.6	203344.7	212692.5	TRUE
395584.1	369958	535930.9	450251.3	347110.8	568567.9	358927	401288	TRUE
65366.8	57723.7	75320.1	78135.2	53473.9	63606.4	61228.7	53169.2	TRUE
439416.8	326076.8	617659.1	445351.1	382814.9	650562.1	422281.5	393967.5	TRUE
28411.6	30169.2	46616	10440.1	30360.3	48284.3	27544.1	24930.9	TRUE
66199.7	53527.5	120685.2	55286.3	50600	146110.8	59982.1	42195.7	TRUE
406507.1	280151	268532.7	371497.7	704799.7	348151.1	278968.4	352590	TRUE

227148	218689.2	239938.4	216917	225401.6	239604.8	208260.8	210025.5	TRUE
747267.9	645220.2	705745.1	712354.6	555514.7	751558.6	729531.5	560898.1	TRUE
781523.5	663556.7	686125.4	781741	755202.3	685780.2	643948.3	749754.1	TRUE
371904.6	290001	342677.3	516606.9	361008.6	361850.3	347875.6	365838.7	TRUE
39993.3	14911.5	50564.7	17683.3	7204.5	70335.8	29857.6	30214.9	TRUE
73424.8	72306.1	84294.7	66376.5	93962.5	64797.9	75971.2	72387.4	TRUE
241000	274995.7	368911.1	310782	261606.4	362200.2	323686.7	268558.4	TRUE
256747.6	285451	306147.7	305375.1	280801.3	347003	294168	304139.2	TRUE
289926.8	296384	289637.2	327741.8	357144	302439.4	292440.9	310602.3	TRUE
333748.8	266854.1	361086.2	383492.3	460688	346589.7	328819	352749.4	TRUE
42829.4	11887.9	39175.9	28381.3	37855.6	38553	31623.5	38494.8	TRUE
67137.1	82495.8	63103.8	50195	51076	70197.8	77128.9	68560.2	TRUE
466819.9	423054.2	470155	505902.8	492146.8	433399.5	464109.3	439421.3	TRUE
225785.8	170771.8	206837.1	214542.3	254893	203905.3	201380.3	213331.3	TRUE
189573.3	182787.9	239444.7	173507.2	164409.5	250560	182875	158932.8	TRUE
1321229	1078946	1371735	1308151	1423449	1280961	1140309	1272634	TRUE
74775.6	46067	66907.1	69164.1	49834.6	76536.8	94642	56356.4	TRUE
70267.1	55633.2	38488.3	58158.7	43599.9	61806.4	62616.9	52549.2	TRUE
68374.9	53473.3	50774.9	62058.5	70909.9	39968.8	59141.4	58314.2	TRUE
17689.5	11666.3	34301.5	22402.3	21011.4	30369.3	26673.2	7051.4	TRUE
93462.1	80575.9	85303.2	79361.1	59916.2	102255.7	87484.1	71974.7	TRUE
227148	218689.2	239938.4	216917	225401.6	239604.8	208260.8	210025.5	TRUE
747267.9	645220.2	705745.1	712354.6	555514.7	751558.6	729531.5	560898.1	TRUE
781523.5	663556.7	686125.4	781741	755202.3	685780.2	643948.3	749754.1	TRUE
371904.6	290001	342677.3	516606.9	361008.6	361850.3	347875.6	365838.7	TRUE
39993.3	14911.5	50564.7	17683.3	7204.5	70335.8	29857.6	30214.9	TRUE
73424.8	72306.1	84294.7	66376.5	93962.5	64797.9	75971.2	72387.4	TRUE
241000	274995.7	368911.1	310782	261606.4	362200.2	323686.7	268558.4	TRUE
256747.6	285451	306147.7	305375.1	280801.3	347003	294168	304139.2	TRUE
289926.8	296384	289637.2	327741.8	357144	302439.4	292440.9	310602.3	TRUE
333748.8	266854.1	361086.2	383492.3	460688	346589.7	328819	352749.4	TRUE
42829.4	11887.9	39175.9	28381.3	37855.6	38553	31623.5	38494.8	TRUE
67137.1	82495.8	63103.8	50195	51076	70197.8	77128.9	68560.2	TRUE
466819.9	423054.2	470155	505902.8	492146.8	433399.5	464109.3	439421.3	TRUE
225785.8	170771.8	206837.1	214542.3	254893	203905.3	201380.3	213331.3	TRUE
189573.3	182787.9	239444.7	173507.2	164409.5	250560	182875	158932.8	TRUE
1321229	1078946	1371735	1308151	1423449	1280961	1140309	1272634	TRUE
70267.1	55633.2	38488.3	58158.7	43599.9	61806.4	62616.9	52549.2	TRUE

68374.9	53473.3	50774.9	62058.5	70909.9	39968.8	59141.4	58314.2	TRUE
64914.5	32576.8	48177.9	40211.1	41282.7	64440.8	69187.4	54254.5	TRUE
93462.1	80575.9	85303.2	79361.1	59916.2	102255.7	87484.1	71974.7	TRUE
105953.8	96919.6	133443.7	89570.1	107024.3	92672.3	115009.4	89592.6	TRUE
49079.9	63405.8	54647.3	33071	47006.7	27668.3	36018.8	51639	TRUE
68059.2	76037.3	48204.4	67019.5	54940.1	48654.6	55678.3	54991.2	TRUE
23661.8	31123.3	28155.2	34305	28670.6	32844.6	12128.6	25059.4	TRUE
122614.2	94436.1	96400.4	121384.4	96669.8	166074	180681	122895.1	TRUE
49681.6	52500.2	57549.8	60908.6	66233.7	81822.2	64498.2	51596.6	TRUE
161148.3	210040	232159.7	229596.1	216973.5	177019.7	159900.8	165841.1	TRUE
1994432	1572196	2067198	1867560	1894015	2093250	1762708	2123105	TRUE
48024.9	55478.8	51918.2	53183.8	52198.8	58221.8	81137.4	61301.7	TRUE
151861.9	126308.4	146630.8	157019.4	148791.2	172402.4	143396.7	156543.1	TRUE
689616.4	676706.5	754171.8	822341.4	794196.1	800312.5	706234.2	741448.9	TRUE
27742.5	37271.3	31065.3	40697.7	59160.9	29360.9	42337.2	38601.5	TRUE
69005.8	94284.4	61017.8	90069.7	93877.7	66476.1	75536	68755.3	TRUE
124556.3	104462.9	121870.1	111282.9	120079.8	114632.7	121934.1	113110.7	TRUE
21718	11902.8	26305.6	22849.6	34595.1	22050.2	19928.6	23502.2	TRUE
17313	5855.7	19844	28182.3	11768.1	6966.3	24716.9	7715.2	TRUE
6288.2	5388.5	7378	6589.1	7816.3	6344.8	7033	8230.9	TRUE
17193.6	7371.7	21227.1	4684	18149.8	7406.8	22765.7	10354.6	TRUE
106584.8	137963.6	95132.9	117667.8	104021.1	76619.9	106059	84962.3	TRUE
408567.9	377033.7	370710.4	425046.6	321524.4	400744.1	431431.4	327815.5	TRUE
1749777	1373202	1726805	1628531	1890680	1502603	1273173	1552276	TRUE
961272.8	747604.9	868131	995473.7	890583.4	1040493	767370.4	992816.9	TRUE
263537.1	255402	331036.6	266863.2	221415.3	366826.1	302028.1	191605.4	TRUE
48771.3	33260.9	34600	44042.7	42462	60088.8	42955.4	56518.1	TRUE
573950.4	495770.3	526108.8	509728	713798.4	483446.3	525351.9	608040.6	TRUE
47391.3	59601.8	76331.7	55391.2	42680.2	59832	61911.8	38518.8	TRUE
69422.2	90777.1	75618.6	52238.3	53390.9	75696.3	58248.6	73474.7	TRUE
229287.1	205784.4	264953.7	192535.8	211993.2	245108.6	255840.6	211276.4	TRUE
520051.5	517878.6	502674.1	476321.9	480850.9	550994.1	533290.9	516257.6	TRUE
739981.1	673645.1	743377.5	654075.2	755080.6	600476.4	636621.9	622210.3	TRUE
608078.6	467152.1	606554.5	593215.2	705636.8	505736.5	536751.4	567146.4	TRUE
48329	55416.5	50901.9	27407.8	40089.4	50667.5	50652.7	39911.8	TRUE
85151	122793.2	106224.2	53195.5	62100.6	115093.6	97767.1	66027.9	TRUE
46933.9	25871.5	34147.6	52373.4	51600.9	39271.3	41248.5	44061.1	TRUE
52863.8	42184.9	76214.1	65737.4	61657.7	54029.1	53550.4	44986.6	TRUE
49902.5	32362.4	48160.3	42933.5	35096.6	36580.1	37186.3	37779.5	TRUE
53627.3	61866.8	78511	42141.9	59627.2	70191	70573.5	49255.5	TRUE
48263.8	46900.4	45664.9	48464.3	43066.2	67713	58837.6	38103.1	TRUE

162186.1	158725.8	185727.8	141881.5	146326.4	188854.9	169436.3	163784.6	TRUE
115300.5	121288.7	152813.7	101623.4	77802.9	178352.4	140375.7	95830.4	TRUE
76883.3	47618.5	84762.9	65787.2	90553.5	79894.7	51347.7	47215.1	TRUE
86739.5	100062.4	103595.2	64501.3	63983.5	118428.4	103693.3	87042.5	TRUE
63899.9	43505.9	97462.1	105729.5	93722.8	55978	53719.3	54599.3	TRUE
216858	235811.6	205491	185065.1	185898	237327.5	210773.7	188447.2	TRUE
131555.5	139049.3	174499.2	119779.4	106328.4	193847	173723.6	112767.1	TRUE
159450.2	136683.5	214382	196208.8	205032.1	180558.5	137283.4	158871.8	TRUE
688824.4	830824.3	792003.3	578787.4	465472.2	865775.7	801917.3	561290.5	TRUE
218291.3	237725	256514	224799.3	188284.2	267992.4	263402	196756.9	TRUE
24134.2	29942	9001.1	28818.3	31690.1	25014.4	24026.5	22621.3	TRUE
43739.5	47317.5	47873.1	37785.6	37325.6	38589.7	37744.7	38308.3	TRUE
178399.9	206346.3	158020	206743.5	143482.9	156069	193209.9	144346	TRUE
83159.2	77009.2	58882.2	82464.5	77879.3	92542.2	109361.2	89082.7	TRUE
131192.7	431407.1	186577.8	276645.8	295215.6	79616.6	88241.3	63306.3	TRUE
81572.6	60388.5	105954.1	149288.1	107069.8	52635.5	62749.4	77072.4	TRUE
136328.9	147713.7	112566.2	129549.2	112152.4	102681.6	131873.6	121642.7	TRUE
347508.3	400352.1	278186.2	378701.6	306068	285919.5	387080.2	305491	TRUE
1161853	903537.5	1282051	1350326	959918.3	1206921	1100597	1136158	TRUE
179966.3	176469.5	175308.9	198579.4	182552.7	166667.2	180374.1	177788.5	TRUE
47767	63391.5	39962.5	45861.6	54890.6	57040.8	57719.1	45331.8	TRUE
170299.7	210432	175651.1	203575.8	185313.2	186725.7	223902.9	178084.7	TRUE
134184.9	123768.1	145280.3	177828.2	160073.4	130722.3	147493.8	178191.2	TRUE
132286.4	145065.6	160807.7	155794.7	130941.7	158641.4	146058.6	153655.4	TRUE
61271.7	61419.3	85424	67841.1	52169.8	57505.8	54006.4	66805.5	TRUE
84407.3	57301.1	80434.8	92509.9	57628.8	66289.7	58005.7	72876	TRUE
66143.4	88236.2	87387.9	61252.8	56552.9	65999.4	70371.3	57715.7	TRUE
347662	274010.3	375793.2	374730.1	315776.4	315018.8	304141.1	311116.9	TRUE
79493.3	73006.4	36344.2	71593	64975	76768.1	94779.9	91684.4	TRUE
22841	23024.7	11373.3	23965.3	20866.6	23817.3	32336.3	26926.3	TRUE
154126.9	176490.4	103832.8	151529.9	154100.9	108041.7	170038.2	186497.7	TRUE
228054.2	214303.3	283019.4	243002.2	172718.1	287945.7	210811.6	160610	TRUE
263525	235656.6	333060.5	272663	185901.3	346884.4	264361.4	201791.2	TRUE
58398.9	60781.6	60348.1	81313.7	64968.3	58200.9	59947.5	53425.4	TRUE
161531	209755.5	227720.9	126554.9	139225.7	239719.9	202623.2	142656	TRUE
64378.5	49799.4	78167.5	68936	76032.8	44798.1	49543.7	78247.3	TRUE
49576	22197.6	72065.8	45920.1	55117.1	36748.5	37269.8	30851.1	TRUE
300003.7	341845.7	305836.7	257468.3	210050.4	315370.3	346495	259343.6	TRUE
637932.9	435841.8	724254.9	752178.8	890252.9	488977.4	469012.9	482925.2	TRUE
615518.7	428575.1	680595.6	728590.2	747813.8	509675.1	480789.9	522487.3	TRUE
91849.2	79617.7	75192.6	99594.9	99406.5	88443.6	72822.7	98780.5	TRUE
76464.7	65435.2	70755.8	78433.4	56097.4	62149.1	85936.3	65587.4	TRUE

775859.2	869630.3	1020301	654249.6	499442.8	960375.6	961288.8	528212.4	TRUE
695981.2	751937.7	802444	648948.1	520666.7	851976.8	838748.7	531771.7	TRUE
703845.8	533621.1	875265.8	830327.3	875372.7	657322	518598.3	728384.5	TRUE
328535.8	376076.2	325561.7	293467.6	248251.8	365016	343383.8	280622.8	TRUE
238982.2	222096.9	268122.8	247858.3	266548.5	281456.7	276038.4	215868.3	TRUE
501100	399146.1	484317.3	427230	524724.8	529836.8	438983.5	450348.1	TRUE
78070.4	101012.6	233547	94110.4	69438	62923	72005.4	59964.9	TRUE
27138.5	34264.1	38810.4	39547.4	25470.8	93130.7	31663.6	28352.7	TRUE
34953.9	30633.9	43914.3	52076.7	27034.2	28228.8	35000	41704.4	TRUE
21617.3	9918.7	16993.9	9331.9	19542.9	16633.5	21165.8	9947.1	TRUE
29025	27760.1	20165.5	31489.3	25408.1	37464.4	19870.5	41577.2	TRUE
60213.6	43179.1	55486.4	42055	56567.7	69312.2	62272.3	66509.6	TRUE
31232.9	29007.5	22219	29770.9	33324	23599.5	41656.7	37487.7	TRUE
56899.5	62742.9	48488.1	60176.6	54548.4	66956.2	49378.5	65891.1	TRUE
101235.9	76259.3	80307.4	58685.7	115962.6	108250.6	113079.8	111207.6	TRUE
218076.4	262773.5	214119.8	223969	205385.8	238685.6	265509.2	272473.4	TRUE
190032.4	165026.8	248350.9	227222.9	143603.6	238990.8	165888.2	180085	TRUE
198378.6	200732.5	207266.8	199144.4	286898.8	258325	160662.8	225195.1	TRUE
357510.1	300362.4	360084.1	301523.8	430560.5	430620.2	321190.1	366729.4	TRUE
337488.5	282397.8	460230.5	252365.9	298932.3	621632.3	379755.2	346567	TRUE
142047.1	131252.2	135353.5	151149.1	155759.3	136441.7	150534.4	140951.1	TRUE
71000.7	96564	101644.2	106140.7	94894.7	104037	96085	101023.7	TRUE
225687.8	193802.1	185026.8	246271.6	182134.7	266826.1	215671	254801.8	TRUE
224836.4	217109.7	258029.3	248766.5	249833.8	240449.9	220251.2	241426.7	TRUE
717821	647904.8	699851.6	691378.2	722987.6	764328.9	646493.1	764418.3	TRUE
935454.5	933015.2	786649.4	817261.9	907743.9	879225.3	926249.1	956460.8	TRUE
44171.5	29008.7	33758.3	47125.3	34118.2	56159.8	37549	36159.7	TRUE
656182.5	488594.3	515858.7	510875	769369.6	796581	514524.1	820883.1	TRUE
83849.9	78356.3	97965.8	87018.4	86390.9	90059	84797.9	85894	TRUE
128735	115930.1	118759.2	125361.1	118082.4	136623.2	123947.9	145915.4	TRUE
33829.4	33964.4	51035.6	60373.9	30900.2	34800.5	32300.7	42118.8	TRUE
84521.9	60902.5	88143	70993.5	79672.9	77856.6	66635.2	64249.3	TRUE
114643.5	106903.8	103444.5	106800.9	130091.8	111027.6	103517.1	114568.9	TRUE
144804.9	107531.9	170529.1	187505.1	129521.8	193048.7	126414.7	125504.1	TRUE
124391.2	123086.7	132339.3	135031.6	280406.3	158330	69619	258079.2	TRUE
41715.3	36135.6	32056.9	45195.5	41828.6	43820.5	41000.2	43545.5	TRUE
259292.3	213459.8	193789.9	234894.8	242440.5	302622.4	270327.5	302795.8	TRUE
272886.4	227068.1	252982.9	210124.5	326478.7	301365.5	228024.2	281358.9	TRUE
84035.3	73556.7	72763.8	65279.6	74687.9	90110.3	56431.8	84219.5	TRUE
240623.6	194790.1	204430.3	201089.9	270343.9	239916.8	208691.4	256787.2	TRUE

410787.3	389263.3	368660.1	528658.4	414079.7	365109.2	381731.2	393546.7	TRUE
315462.2	344451.3	251746.1	266166.3	362592	291490.7	315884.3	359712.4	TRUE
39226.5	49278.6	51316.6	28213.1	33241.7	46077.7	41687.8	27273.2	TRUE
148589.2	161028.7	210963.3	149880.6	154539.6	222203.7	148980.2	151715.2	TRUE
197555.5	177255.8	180868.5	164323.3	273915	200528.2	179297.5	208452.2	TRUE
742487	722489.1	721056.4	715929.2	877101.7	702286.5	720228.6	733765.8	TRUE
90767	96724.1	103506.9	80021.1	80617.1	135152.8	85002.3	79455.3	TRUE
123285.8	140824	174009.6	132278.1	120163.5	184965.2	141613.7	127172.7	TRUE
38461.6	43431	33697	34656.4	23771.4	33870.5	37005.4	28845.6	TRUE
242895.4	253097.1	253773.4	240736.5	345475.2	157054	226939	159598.7	TRUE
31930	37772.8	40231.7	36431.8	25646.2	41518.4	45602	38228.3	TRUE
152290.3	105489.5	130046.2	125636	142457.2	199680.9	172695.6	167350.2	TRUE
132059.1	134004.6	152248.4	136705.5	129662.6	149967.9	122998.8	130253.2	TRUE
22014.4	22464.8	11837.4	13604.2	18773.2	20496.4	11190.1	24075.9	TRUE
46666.5	35247	21265.3	56968.6	45903.8	31193.8	37995.8	58873.5	TRUE
20753.9	10693.6	7117.3	6365.2	19511.8	8426	24209.8	29585.6	TRUE
39677.5	47232.2	30669.9	49746.8	53758.7	53926.3	66658.9	81457.1	TRUE
21270.3	9020.3	11837.2	13142.7	17123.4	19556.2	32805.9	26241.9	TRUE
724162.6	629561.1	711011.6	764472.9	782771.3	762493.6	662707.6	774208.8	TRUE
422383.9	367992.1	358543.2	433887.9	411191.1	431637.3	372101.3	431261	TRUE
121945.5	102280.6	91656.6	114385.9	119234.2	105745.8	100600.3	109676.8	TRUE
31463.1	36573.2	36363.9	32803	41398.3	34501.4	36449.6	38987.8	TRUE
175416.1	146559.4	186851.6	203996.3	198783.4	175706.9	169027.5	182105.2	TRUE
154507.2	146529.1	160631.9	160838.5	164080	132264.1	157826.6	175102.1	TRUE
537673.1	539186.6	422616.4	588502.5	493128.3	445807.7	508531.3	554956.9	TRUE
136356.8	150025.2	153368.5	149745.9	126131	188156.9	151905.2	129287.6	TRUE
23824.9	18470.1	24224.9	24947.2	27112.7	28548.1	22987.7	29348.8	TRUE
291217.1	310355.8	247857.9	328315.8	285844.9	304604.1	322551.3	318867.9	TRUE
91979.6	56456.8	52709.6	72890.8	68228.5	69933.7	84576.3	81045.3	TRUE
20323.2	6115.5	8567	26787.3	10758.2	20170.9	11067.7	6478.4	TRUE
36914.5	32122.5	20931.7	35103.8	39219.1	46791.2	27681.6	46054.7	TRUE
22068.6	97349.5	48936.9	95527.4	30351	21290.7	25361	13431.1	TRUE
55218.5	70032.4	72012.5	91282.8	55868.6	49299.8	52899.5	65875.3	TRUE
10195.7	38273	26725.2	40380.8	41026.8	14629.8	6504.5	11372.3	TRUE
22853.8	29197.9	16915.7	39863.9	29600.9	45591.6	14968.3	35641.3	TRUE

7279912	6517695	5450917	6201381	6682604	7280012	6401313	7139698	TRUE
69829.3	70164.1	57521.2	75378.3	58401.9	67081.9	69141.2	81942.6	TRUE
310176.1	220449.9	185967.3	311038.3	250684.5	325527.7	292796.2	328819.2	TRUE
31656.8	11647.1	23083.7	35920.5	26055	30229	17709.8	40626.1	TRUE
167622.4	117174.3	160876.7	154410.6	203541.6	178373.7	171532	202031.7	TRUE
1308214	1296264	998419.9	1317727	1207210	1219554	1336888	1381478	TRUE
19166.9	7656.6	18956.5	8950	19895.3	17034.4	29592.9	21584.8	TRUE
33656.5	40638.4	29762.1	38565.5	26583.9	39097.5	34249	33456.3	TRUE
32390	33721.3	29269.2	39469	41136.2	33008.7	40948	27136.5	TRUE
64858.7	51064	54312.6	81528.9	69771.3	83703.8	57414.1	62009	TRUE
56165.7	81649.7	77467.5	81039.5	74392.1	41799.2	37659.2	38036.4	TRUE
130877	97266.2	80829.3	94646.9	98764	130909.8	123904.6	136773.9	TRUE
315128.7	244196	265181	296494.7	225630	529607	288260.7	513853.1	TRUE
141591.7	118658.7	120930.3	123306.9	118386.8	210707.5	138805	194507.7	TRUE
377061.4	312599.1	235523.8	266998.8	352600.1	305514.3	431539.5	307697.4	TRUE
100485.3	73928.7	67065.8	72843.7	97192.6	145643.1	114169.3	137992.9	TRUE
238088.6	182420.4	153809.7	146657.5	231270	246286.6	274275.7	353291	TRUE
292516.6	269148.7	212726.9	261230.1	283192.9	210697.9	298253.6	234485.1	TRUE
784040.7	625289.9	481087.8	642645.5	641351.5	493364.3	838995.5	556077.2	TRUE
1109458	1116307	576422.5	647274	518525.9	618289	681103	617143.3	TRUE

40887.6	40491.1	37698.5	39891.2	38316.3	44487.7	48174.1	48308.6	TRUE
31742.9	61663.7	31634.5	58117.8	71959.1	20014.3	12045	19661.7	TRUE
994048.7	747396.8	970967.5	886999.2	960987.5	1064488	761332.3	992451.8	TRUE
13221.8	19073.2	16764.7	8707.6	17673.5	4886.3	8461.1	7546.2	TRUE
30179.2	28375.2	26022.5	30116.6	28165.5	20730.2	30472.3	30877	TRUE
72431.9	66402.4	76450.3	88503.9	75882.5	78429	65746.5	83419.2	TRUE
20375.9	18378.6	7954.9	24090.1	18354.6	21071.6	17246	16134	TRUE
115463.4	95027.8	112782.7	107222	103009.8	118936.6	86443.2	112170.2	TRUE
14605.3	16450.3	10015	21053.7	13486.4	25702.6	8307.2	8505	TRUE
39403.7	31983.7	28261.5	41504.6	43830.1	49096.7	33466.5	50864.2	TRUE
222891.8	245237.5	242374.3	264078.2	244429.8	260659.2	225974	327186.3	TRUE
1558445	1152777	1826024	1884658	1903811	2287870	1557779	2029092	TRUE
246754.1	246809.8	279225.3	283151.2	213331.2	278751.3	248551.9	240388.8	TRUE
3741436	3216648	3221356	4054176	2637540	3447028	3424196	2661233	TRUE
466453	384524.7	516550.3	485146.4	485812.3	564039.3	424543.4	516194.1	TRUE
122730.3	201318.2	145173.3	289314.7	268505.4	72341.4	36576.7	83549.9	TRUE
51169.2	24246.3	23642.1	25401	33361.7	45238.2	23246.4	45391.3	TRUE
164093.6	148456.4	214379.2	170643	149432.6	214900.9	189587.6	158015.8	TRUE
105828.8	119763.5	60783.9	183908.8	76295.7	77410.9	105623.2	85460.6	TRUE
73413.8	66431.3	61158.4	43672	49322.5	63841.8	50144	51600.9	TRUE
154136.1	158549.4	155111.3	105769.6	160605.4	137398.6	144953.1	132751.9	TRUE
112317	107982.1	47104.6	119918.8	78862.9	95420.5	183431.6	129358.4	TRUE
447450.1	442624.8	508423.2	491419.2	371733.6	464120.8	435518.3	387393	TRUE
336851.6	253407.2	377663.7	304374.7	339285.3	376906.9	246315.5	340163.6	TRUE
94636.9	142631.8	153291.4	182363.1	166943.7	94758.2	51477.3	55368.7	TRUE
100172.6	154615	135311.3	187117.8	165399.5	75066.4	61136.9	74718.2	TRUE
367713.3	282028.3	337354.6	347676.9	216907.9	346812.4	282700.1	209948.4	TRUE
1336245	1107151	1319223	1421944	669003.9	1379695	1108006	757763.6	TRUE
463404.9	350483.1	403712.7	431814.4	225268.8	450671.4	333742.8	245302.9	TRUE
98264.6	108755.5	98069.4	86341.6	97085.6	115354.9	92144.5	87027.7	TRUE
487730.7	367129.7	432623.8	471675.1	366890	511830.6	430324.3	412435.6	TRUE
86083.4	92300.3	90906.1	104294.3	98208.6	106419.5	104604.9	90644.2	TRUE
398307.9	330807.4	359216.2	406217.5	279618	433048.1	371959.6	304465.1	TRUE
76117.6	49582.9	66434	66104.3	54549.2	88130.3	78316.6	54234.8	TRUE
149841.9	154797	149245.7	167701.6	136158.7	154114.2	154563.7	124050.2	TRUE
97465	94818.2	77594.6	98164.9	100310.6	86149.6	98610.5	89949.4	TRUE
29915.3	57280.2	35660.2	54892.6	49513.8	32990.4	11308.7	21448.6	TRUE
37878.6	46086.6	67852.8	51767.4	28363.1	45702.1	44610.5	39779.3	TRUE
82890.3	55653.4	116473	82590.3	104273.9	142200.4	91250.2	123691.8	TRUE
682193.3	852702.4	1023721	1029957	661568.9	819812.4	920278.9	810146.7	TRUE
145103.4	126057.1	112218.1	123735.9	123395.7	193011.4	146668.6	153645.9	TRUE
208012.6	184372.7	158964.1	188419.6	201285.3	177840.7	219319.3	241579	TRUE
476542.2	413090.9	435729.1	528234.3	378524.6	422715.9	516090.7	367731.3	TRUE

4694744	4501192	4115431	4314568	3900993	4279458	4722994	3896233	TRUE
413149.5	422091.2	344027.5	424347.9	351363.8	387193.6	428789.4	377649.2	TRUE
173503.6	136572.3	129711.7	152225.1	159233.3	175087.1	177830.8	166296.3	TRUE
101668.8	78911.8	68427	80856.9	81250.1	106023.9	90044.3	100907.7	TRUE
29011.7	50887	37452.6	58240	53851.7	16283.6	5442.7	25579.6	TRUE
471815.9	369346	482767.5	452409	430329.8	489543.3	373009.9	482071.4	TRUE
2858607	2239921	2437536	2562684	2538427	2702429	2365551	2858079	TRUE
986469.4	745339.7	857721	833336.2	940024.7	880299.4	809180	972854.2	TRUE
524785.2	491478.3	456534.4	476908.8	519666.9	514779.9	547637.7	520686.3	TRUE
728867.8	567746.8	834445.7	883278.5	763550.5	865585.6	717311	806553.2	TRUE
2059498	1602730	2378709	2517114	2285422	2588123	1994741	2485909	TRUE
52181.9	47281.4	54146.6	98942.5	66612.3	51669.4	44932.5	33581	TRUE
6878.2	7144.9	10843.1	3948.8	9476.3	8873	12911.3	8823.1	TRUE
49800.9	40962.9	28465.2	47259	32162.7	41869.9	51852.4	44018.7	TRUE
17286.5	8740.7	5942.7	5743.4	16973.9	18100.8	23371	28868.8	TRUE
53141.3	50115.1	47591.2	60407.5	57618.5	52236.5	54460.9	42557.9	TRUE
559580.5	538660	494207	672737.1	672478.2	545261.4	728207	691132.6	TRUE
1404454	1225808	1342926	1433382	1024429	1261107	1264014	1269851	TRUE
1893441	1636161	1892164	2004464	1371668	1887684	1864421	1967238	TRUE
515126.1	550318.6	429350.6	442509.3	472664.6	463944.9	547987.5	502918.8	TRUE
1027901	919838.9	948988.7	921964.3	929266.1	933487.7	1010438	1044083	TRUE
326638.1	296092.7	267249.1	308772.9	321624.6	297277	332065.4	348727.4	TRUE
24035.4	47171	30561.6	32676.8	40702.5	7924	22381.9	23052.5	TRUE
509915.3	558881.1	530219	530127.4	483329.9	505910.2	576209.2	491013.7	TRUE
1406742	1416884	1190964	1387368	1533219	1265699	1627331	1603094	TRUE
341092.1	341974.4	290752.5	316102.2	378063.7	324111.1	358440.7	323990.9	TRUE
412474.4	373731.3	372385.4	396213.6	432016.9	403634.7	436241.6	437898.2	TRUE
55477.7	109595	65870.8	73164.4	101481.5	44018.5	69324	45239.9	TRUE
40884.3	96793.8	70044.3	98296.4	100557	25183.1	22918.4	26544.7	TRUE
347305.6	290139.2	402042.8	377308	350092.9	356517.7	314911.3	327546.7	TRUE
259153.8	214477.7	284974.1	242187.6	250497.8	253272.8	268990.1	241952.5	TRUE
88739.1	157868.2	115992.2	152288.8	141866.6	49492.3	63832.8	62538.2	TRUE
33995.7	61224.2	54156.7	86892.8	65373.5	27366.4	25385.7	13636	TRUE
29488.1	27990	14728.9	30421.3	21481.2	14367.4	24446.4	27770.1	TRUE
65125.5	56093.5	47374.2	54030.2	69424.8	62368.1	84435.3	90160.7	TRUE
34027.5	23969.9	18487.9	24630	27802.2	30239.3	37178.1	34745.3	TRUE
33901.8	26873	16197.6	22587.1	26386.7	27682.8	36353.2	27017.6	TRUE
19204.9	23164.9	13259	7264.4	29789.3	11479.3	25168.8	20621.8	TRUE
176157.5	147596	139317	178937.3	115910.6	157236.9	158836.4	169202.6	TRUE
48014.5	56878.7	65437.5	74496.8	37108.1	47526.6	62889	46180	TRUE
574719	496676.1	530938.6	597587.2	430371.7	532485.7	622792.5	553138.9	TRUE
355165.1	355921.6	333752.5	458203.1	258271.9	321686	449879.6	364064.4	TRUE
19841.6	20065.1	16880.3	8405.9	12332.2	27491.4	25689.8	21021.6	TRUE
40454.5	32371.5	18992	37753.4	58922.5	25647.6	59990.2	76954.3	TRUE
1246028	1776686	850498.6	1462312	2052611	814143.6	1834490	2010848	TRUE
15558.5	9541.4	9456.5	11145.6	15794.7	10512.2	20301.1	10330.7	TRUE

486747.2	736845.4	693186.1	677070.5	317331.7	499558.8	752704.7	545952.6	TRUE
29069	37130.2	35852.9	39205	18949	24400	43844	25652.5	TRUE
90322.1	66148.9	75830.2	97845.7	101045.7	73405.4	70986.2	87249.7	TRUE
24407.5	39291.5	22481.6	46033.7	40775.4	21521.4	32180.2	44591.1	TRUE
179829.3	239428.8	75044.9	211466.7	308162.9	81009.7	222667.8	268442.7	TRUE
15701	5076.2	18165.2	10738.4	18983.9	7630	22247.3	11148.1	TRUE
48977.9	52678.9	61302.8	57887.1	35534.8	59145.6	68292.7	56256	TRUE
21743.7	19622.7	25153.9	13634.7	6214.9	10748.1	20600.3	12905.2	TRUE
57809.2	50014.1	36491.7	36732.7	51425.6	60359	89028.7	83011.2	TRUE
63526.4	39509	56207.2	58189.3	71621.1	48788.3	49991	59669.8	TRUE
58085.6	30538.2	42074	54908.4	52621.8	48589.3	56475.1	58249.4	TRUE
1224241	1649509	539897.9	1142421	1681808	596234.5	1598996	1733521	TRUE
55285.4	104637.2	29094.1	56369.2	88686.1	38675.8	86108.7	107829.9	TRUE
27958.4	41349.8	19135.2	32598.6	44120.8	24907.4	40995.1	48571.6	TRUE
24098	20007.9	32726.8	33625.5	21731.1	30001	31729.3	9097.8	TRUE
3863664	4320596	2195378	3276388	3943523	2451004	3777420	3690414	TRUE
1109458	1116307	576422.5	647274	518525.9	618289	681103	617143.3	TRUE
40887.6	40491.1	37698.5	39891.2	38316.3	44487.7	48174.1	48308.6	TRUE
31742.9	61663.7	31634.5	58117.8	71959.1	20014.3	12045	19661.7	TRUE
994048.7	747396.8	970967.5	886999.2	960987.5	1064488	761332.3	992451.8	TRUE
13221.8	19073.2	16764.7	8707.6	17673.5	4886.3	8461.1	7546.2	TRUE
30179.2	28375.2	26022.5	30116.6	28165.5	20730.2	30472.3	30877	TRUE
72431.9	66402.4	76450.3	88503.9	75882.5	78429	65746.5	83419.2	TRUE
20375.9	18378.6	7954.9	24090.1	18354.6	21071.6	17246	16134	TRUE
115463.4	95027.8	112782.7	107222	103009.8	118936.6	86443.2	112170.2	TRUE
14605.3	16450.3	10015	21053.7	13486.4	25702.6	8307.2	8505	TRUE
39403.7	31983.7	28261.5	41504.6	43830.1	49096.7	33466.5	50864.2	TRUE
222891.8	245237.5	242374.3	264078.2	244429.8	260659.2	225974	327186.3	TRUE
1558445	1152777	1826024	1884658	1903811	2287870	1557779	2029092	TRUE

172976.9	112144.1	217752.9	190545.4	163159.7	182461.8	177214.3	154998.9	TRUE
177709.3	184908.5	203677	184289.3	155329.9	190705.9	159157.5	144759.8	TRUE
41518.9	7359.8	46742.1	31333.2	7093.8	66841	36109.1	11852.4	TRUE
419850.6	423742.9	424571.7	364192.9	335480.2	379912.7	397837.5	381096.6	TRUE
1599762	1344457	1687131	1747005	1551397	1560316	1370387	1489598	TRUE
367713.3	282028.3	337354.6	347676.9	216907.9	346812.4	282700.1	209948.4	TRUE
1336245	1107151	1319223	1421944	669003.9	1379695	1108006	757763.6	TRUE
463404.9	350483.1	403712.7	431814.4	225268.8	450671.4	333742.8	245302.9	TRUE
100409.5	80161.9	68323.7	60621.5	57691.4	56684.4	63615	55348.4	TRUE
870502.7	735367.7	973146.8	922326.9	705565.6	809152.6	880488.2	610078.5	TRUE
1251398	931513.8	1268796	1256262	1197900	1474625	978758.4	1402326	TRUE
98264.6	108755.5	98069.4	86341.6	97085.6	115354.9	92144.5	87027.7	TRUE
487730.7	367129.7	432623.8	471675.1	366890	511830.6	430324.3	412435.6	TRUE
86083.4	92300.3	90906.1	104294.3	98208.6	106419.5	104604.9	90644.2	TRUE
398307.9	330807.4	359216.2	406217.5	279618	433048.1	371959.6	304465.1	TRUE
76117.6	49582.9	66434	66104.3	54549.2	88130.3	78316.6	54234.8	TRUE
149841.9	154797	149245.7	167701.6	136158.7	154114.2	154563.7	124050.2	TRUE
97465	94818.2	77594.6	98164.9	100310.6	86149.6	98610.5	89949.4	TRUE
29915.3	57280.2	35660.2	54892.6	49513.8	32990.4	11308.7	21448.6	TRUE
37878.6	46086.6	67852.8	51767.4	28363.1	45702.1	44610.5	39779.3	TRUE
82890.3	55653.4	116473	82590.3	104273.9	142200.4	91250.2	123691.8	TRUE
682193.3	852702.4	1023721	1029957	661568.9	819812.4	920278.9	810146.7	TRUE
145103.4	126057.1	112218.1	123735.9	123395.7	193011.4	146668.6	153645.9	TRUE
208012.6	184372.7	158964.1	188419.6	201285.3	177840.7	219319.3	241579	TRUE
335000.1	287869.2	349185.8	401284.6	359241.5	376103.5	307061	327123	TRUE
280229.8	221614.5	246717.7	226072.1	355301.1	321203.2	246967.4	288972.5	TRUE
1290106	1037846	1014157	1147512	1469432	1527958	1158687	1471707	TRUE
476542.2	413090.9	435729.1	528234.3	378524.6	422715.9	516090.7	367731.3	TRUE
4694744	4501192	4115431	4314568	3900993	4279458	4722994	3896233	TRUE
413149.5	422091.2	344027.5	424347.9	351363.8	387193.6	428789.4	377649.2	TRUE
173503.6	136572.3	129711.7	152225.1	159233.3	175087.1	177830.8	166296.3	TRUE
101668.8	78911.8	68427	80856.9	81250.1	106023.9	90044.3	100907.7	TRUE
29011.7	50887	37452.6	58240	53851.7	16283.6	5442.7	25579.6	TRUE
471815.9	369346	482767.5	452409	430329.8	489543.3	373009.9	482071.4	TRUE
2858607	2239921	2437536	2562684	2538427	2702429	2365551	2858079	TRUE
986469.4	745339.7	857721	833336.2	940024.7	880299.4	809180	972854.2	TRUE
524785.2	491478.3	456534.4	476908.8	519666.9	514779.9	547637.7	520686.3	TRUE
728867.8	567746.8	834445.7	883278.5	763550.5	865585.6	717311	806553.2	TRUE
2059498	1602730	2378709	2517114	2285422	2588123	1994741	2485909	TRUE
131603.2	62496.3	95054.3	134049.8	95690.1	325180	86919	327173.5	TRUE
19044.3	9062.4	8962.9	27766.1	22742.5	22496.4	8513.8	6005.1	TRUE
34265.2	21173.7	20379.6	30385.8	37243.5	25802.3	30240.3	11391.8	TRUE
199217.4	195709.4	202896	204548.9	180752.9	234700.6	239801.5	174360.4	TRUE
476011.2	564330.1	461921	526659.1	482845.2	498423.7	594410.7	471560.1	TRUE
95997.3	67500.9	98796.8	85997.1	75149.6	104563	97702.1	89461.6	TRUE
263156.3	205781.6	253454.9	263567.4	271349.3	290107.8	199407.8	285443.6	TRUE

491280.5	429880.3	498075.8	493742	518897.9	525026.8	402488.6	566315.3	TRUE
52651.2	53480.5	36918.2	56255.8	53056.1	52732.4	42084.6	37640.6	TRUE
1303155	949365.4	1405757	1294860	1849544	1159371	1025397	1218150	TRUE
20761805	14347319	21987839	21746841	22075302	21257302	15419051	21675326	TRUE
58278	68483.9	63545.5	80891.4	61459.4	52240.7	88657.7	72514.7	TRUE
37547.8	38058.6	32214.2	26062.2	21548.1	29415.8	50418.9	33237.2	TRUE
42073.1	36786.5	38797	45704.4	40292.2	39238.5	25757.2	46360.8	TRUE
108853.3	92650.2	108733.7	119813.9	98553.7	138971.6	125665.4	97207.6	TRUE
8496.2	6311.2	11426	10221.6	8355.9	5700.8	7530.9	7342	TRUE
90921.2	87028.4	55799	88816.7	75247.9	60231	76449	69711.7	TRUE
43742.8	33654.7	31543.3	33947.2	46004.7	32371.2	34239.9	40103.9	TRUE
391174.8	422814	395369.3	381948.9	326659.6	415314.6	378968	313965.6	TRUE
165159.1	156226.5	235460.9	221770.1	164375.7	226595.7	175150.7	137854	TRUE
327333.7	264630.4	376120.3	321915.7	271687.6	390811.2	298351.8	315244.1	TRUE
340628.4	254806.7	366168.6	395517	351373.1	359374	296705.7	351663.7	TRUE
177416.5	154458.3	163506.7	180614.1	133074.1	215223.7	168756.4	140982.9	TRUE
88751.1	55077.7	45267.4	62576.3	61796.4	64743.2	44059.9	83964	TRUE
510268.6	513569.4	475125	448038.3	370492.3	542898.1	520520.7	437356.4	TRUE
248277.4	207683.8	255846.2	288804.4	214458.1	254491.9	234050.7	227156.8	TRUE
144205.3	171018.5	161102	187244.4	181453.6	186320.2	215569.4	149490.3	TRUE
337009.6	384511.5	451857.1	486685.7	405407.1	517545.4	532474.1	408992.7	TRUE
184915.9	195800	207081.3	189273.1	160683.8	158592.4	147476	142598.8	TRUE
239844.6	228307.6	322976.9	258382.5	259599.9	290563.9	239242.5	266455.2	TRUE
39841.8	8287.9	35150.1	48385.4	49238.1	39432.8	34095.9	42789.5	TRUE
599951.3	588677.2	430053.7	482776.5	478349.4	452881.1	507253.7	491654.5	TRUE
341603.7	330291.6	369707	395680.1	338526.3	393592.6	342783.4	308590.7	TRUE
161799	177906	169855.2	170021.5	157890.9	162968.5	192707.4	155955.7	TRUE
46037.6	59193.6	29632.5	35151.6	51777.5	35401.4	60029.4	43529.3	TRUE
61669.2	69633.5	169233.9	53528.9	74936.9	66127	89818.8	61637.5	TRUE
2731088	2256391	2441366	2519721	2627554	2536931	2090035	2519132	TRUE
2249326	1829517	1873429	2001110	2114790	2091493	1687916	2158209	TRUE
112124.4	99335.3	132868.2	144262.9	115733.2	146920.1	121666.3	126890.9	TRUE
395030.8	313655.1	451222.5	510343.5	476019.9	481886.7	400437.1	412660.3	TRUE
117479.7	106595.4	111619.5	115590.1	105234.6	119443.1	120708.9	107037.2	TRUE
96032.4	80245.7	114857.6	112606.1	83498.2	123436.5	78039	104587.3	TRUE
8049.7	20094.1	24843	25702.7	26458.7	7079.8	24111.6	11503	TRUE
881085.6	542487.3	880891.3	799789.9	879592	872536.6	618370.7	920007.9	TRUE
2278010	3711693	1318460	1673809	1996760	1417379	3692502	1883862	TRUE
2392405	1938336	3609181	3733632	1478597	1621360	1885635	1693797	TRUE
1061441	834672.6	1551125	1617251	663062.3	760016.9	849755.5	695593.1	TRUE
668038.9	613669.8	1089072	1306925	535898.3	649962.1	661338.4	587625	TRUE

66230.7	60921.6	50702.4	71297.3	51041.4	48144.7	73985.5	51087.8	TRUE
18186.3	6726.1	14634	4380.8	7136.8	8042.8	6758.7	5594.4	TRUE
34926.9	28808.7	33432.8	26302	33840.5	36682.2	45027.9	32900.9	TRUE
68603.1	48725.3	47890.2	56296.3	51299.4	55778.5	82288.4	44949.7	TRUE
249217.6	129211.1	263698.4	285920.6	286993	209645	170326.9	172910.5	TRUE
120386.5	107568.8	133593.7	170906.8	183477.8	122981.3	138096.1	132198.1	TRUE
60444.8	67294.1	85623.2	44535.4	59033.2	70702.3	75721.5	59110.3	TRUE
45330	42752.1	51395.6	30165.3	41244.7	34827.2	48055.5	44195.2	TRUE
176149	336566.9	193249.6	285960.4	291336.2	168260	105613.2	115069	TRUE
175506.5	153083.6	184339.9	190780.5	138950.1	282867.3	200254.5	165065.9	TRUE
567518	321970.9	494245	637320	679578.5	544986.6	428047.3	526502.5	TRUE
272326.4	355253.1	275611.4	250694.4	247177.1	259382.2	271362.1	276686.8	TRUE
171949.2	159486.7	176745.7	143839.2	108183.8	212790.5	218339.4	160850.5	TRUE
68773.6	197510.9	85660.6	155404.1	130120.5	44926.3	49671.7	43358.5	TRUE
539656	568276.2	478576.2	522038.3	398983.5	516212.6	613338	374493.5	TRUE
569138.3	617456.5	505958.2	598413.3	442941	603532.7	684858.7	461513.2	TRUE
90757.3	102994.9	104252.6	98140.6	94656.2	85468	124159.1	96943	TRUE
1042580	730583.7	1125341	1120586	991238.3	1199809	787354.9	1147527	TRUE
680359.1	505125.1	683501.7	705495.5	652844.7	793999	531809.2	727554.2	TRUE
672213.3	513914.5	717391.8	774164.8	616921.4	753297.8	489899.9	708107.3	TRUE
666199.3	529454.1	686863.9	730492.5	627412.3	725111.5	550681.3	754569	TRUE
581421.2	507279.8	583471.7	640842.8	486898.8	573787.8	571311.7	464060.2	TRUE
443705	487936.4	424003.8	479033.3	353928.1	448180.6	497699.6	364792.9	TRUE
104817.1	173795.2	111083.2	188820.7	184574	70442.9	86487.3	91749.7	TRUE
94655.7	165260.4	99284.9	168588.4	166396.3	89638.8	88182.8	104718.6	TRUE
788095.4	1180663	682959.1	720636.1	816413.8	1138842	1377807	848581.8	TRUE
749036.9	774707.2	750527.1	781584.1	783998.8	786581.1	820270.4	706236.1	TRUE
392629.8	410201.9	336554.3	429210	310021.4	380201.4	425524.4	330221.3	TRUE
1983714	1259336	1733908	1812931	1494968	1636056	1225471	1652377	TRUE
174925.2	114332.8	239889.4	251165.4	190750.1	205821.2	148115.9	203005.3	TRUE
866831	574364.6	1042101	1119405	912160	990156.4	700340.1	958271.9	TRUE
156623.9	194396.2	60866.2	103593.2	153136.9	84000.4	113470.4	145885.1	TRUE
214843.4	252432.2	155883.9	210765.9	194747.6	166464	189920.3	192261.3	TRUE
228549.3	240635	155836.7	241847.4	265459.7	169689.8	303413.9	229489.7	TRUE
150738.8	193322.6	132850.6	167390.9	166760.3	149664	191180.9	164270	TRUE
66809.8	85406.2	61821.8	67742.5	69944.9	48520.7	57412	55219.4	TRUE
636917.8	656565.1	843266.4	881527.1	508415.7	674087.8	733515.3	630167.3	TRUE
341048.1	348497.6	406046.2	494187.8	267855.7	303815	388138	364073.7	TRUE
88263.4	93397.1	106467.6	109394.3	79302.5	71069	119872.6	99754.3	TRUE
392521.9	426572	335494.1	345342.8	364927.1	337310.9	438940.6	394476.1	TRUE

711823.3	753028.1	524770.8	621264.2	694897.2	570374.8	711363.6	673608.1	TRUE
1520954	1347976	1797178	1783499	1379197	1206546	1574225	1318371	TRUE
854512.2	829564.4	902465.3	957199.7	734975.4	741871.1	864004	748693.1	TRUE
57837.9	48062.9	52301.4	59822.8	51861.6	49701.8	44839.7	52598.2	TRUE
65416.3	112375.2	31107.5	74094.1	121368.2	45648.5	97864.4	105078.2	TRUE
64405.8	111685.5	47811.6	91967.4	107170.4	50159.9	104001.5	108771.8	TRUE
243578.6	276866.5	303541.2	279729.5	226028.2	271377.9	248793	259388.8	TRUE
56511.7	62494.5	81174	52391.7	51821	74457.6	71775.4	57362.4	TRUE
95891.3	98874.1	76634.6	60121.4	80708.5	97723.5	103135.7	84124.9	TRUE
72756.8	76656.4	70104.7	85575.7	87355.9	70321.9	97722.4	87423.9	TRUE
52358.2	66660.9	32487.8	52803.6	54021.5	36319.6	62624.4	54865.8	TRUE
38776.8	52671.3	55801.9	65647	33846.7	37947.7	48590.4	46254.9	TRUE
25602.8	47873.6	12877.3	9433.6	21801.7	15753.3	22159.5	25698.1	TRUE
87990.1	104289.1	80805.2	66670.7	117256.1	104885.7	120785	100052.5	TRUE
22870.5	51074.9	28717.5	25308.6	48481.9	16284.3	20491.8	20553.3	TRUE
76194.8	94590	91166.3	99841.8	96835.1	66926.7	137518.3	80614.9	TRUE
110658.8	115904.6	132362.9	140597.1	88776.5	98628.1	114635.2	105861.2	TRUE
15403.1	5871.2	6437.6	8211.5	13617.6	3013.4	132670.1	7349.1	TRUE
117284.3	166304.1	49646.8	99897.2	118012.5	98379.9	195696.7	141182.3	TRUE
26732.9	9264.6	13271.4	29764.1	23848.1	20081.6	32245.7	34469.6	TRUE
166830.4	185433.7	130309.5	163739.4	162955.1	164190	228625.9	196944.4	TRUE
161619.7	150722.1	168525.2	189246.4	160887.2	167115.2	195423.5	161506.3	TRUE
714196.1	651564	751778	864609.6	601142.7	680285.4	817269.5	761426.1	TRUE
38732.5	69138.2	27991.8	42548.7	44445.9	37411.8	59136.5	58129.7	TRUE
29449.5	53346.4	43247.4	30772.1	31184.5	25294.9	44105.5	28168.7	TRUE
50876.6	33056.5	40498.9	34881.3	35154.4	31516.9	38786.1	34683.8	TRUE
28036.8	32562.2	8936.7	28841.4	18930.8	10863.2	20460	30314.8	TRUE
15853.3	26474.9	21681.7	14226.5	22059.7	23093.4	23143.6	11726.4	TRUE
50177.7	52209.9	52108.1	48237.2	63013.1	42117.6	48717.8	45527.3	TRUE
29136.9	41974.4	15606.4	11732.8	17341	26159.9	24843.3	20804.7	TRUE
242463	148906	296754.4	197312	236368.4	330785.3	170530	214427.9	TRUE
2171330	1630148	2705853	2045408	2343640	3058257	1613766	2188191	TRUE
21692.9	32389.5	45835.4	51094.5	38842.6	7964.5	8108.5	10198.3	TRUE
40631.9	39299.9	34602	33081.7	53133.6	43936	45075.7	55071.3	TRUE
166476.5	218919.2	366521.5	146523.3	159222.8	179455	130996.4	148031.2	TRUE
409786.7	309921.6	477418.7	328407.9	333344.6	438830.7	263326.9	311680.3	TRUE
89779.9	74102.3	101936.7	63740.3	74416.7	92973.9	64224.6	88238.1	TRUE
516465.1	389702.3	764414.2	733718.7	675063.8	845145.5	520229.3	723079.9	TRUE
328985.9	334635.7	289542.1	293421.7	406041.4	369204.2	362001.5	401558.7	TRUE
83017.4	84234.2	147686	93318.8	118783.3	155602.2	95896.2	118175.9	TRUE

40989.5	40576.4	51293.1	45251.5	46969.3	48650.8	46498.9	59193.3	TRUE
101139.8	86895.8	54984.5	60994	90624.1	115496.6	111235.7	88203.3	TRUE
130891.5	188909.3	201541.3	132343.2	104661.9	179592.2	178108.2	168505.5	TRUE
85549.7	66477.6	89596.8	46752.7	66177.3	96495.6	51667.4	48325.3	TRUE
268499.6	155311.1	403859.1	260359	206649.9	393827.2	233583.4	235832.1	TRUE
250571.8	170830.3	198194.2	183409	337496.2	233250.1	223404.9	255035.9	TRUE
35111.8	23256.9	18380.6	8704.3	19616.3	14550.3	7051.1	22264.4	TRUE
45050.4	33995.6	46402.7	53667.5	65556.9	47222	34457.2	47232.8	TRUE
33037.1	34152.2	20042.3	24679.6	34340.1	18466.6	27039.2	38216.4	TRUE
142576.9	145710.4	180558.9	160360.3	139710.9	176903.4	141349.3	132161.6	TRUE
437999.5	302168.2	630853.8	476523.8	489187	613590.6	404581	457372.9	TRUE
609292.2	539522.7	489161.2	479773.1	820472.3	603750.9	546890.4	567495.7	TRUE
158128.2	159875.2	174399.8	144193.6	211784.8	176287.5	156696.8	173438.7	TRUE
151956.4	152776.7	156026.5	135112.2	217684.7	178272.4	144529.2	203962.3	TRUE
50042	56730.8	63759.6	48082.5	48599.1	62093.7	37486.1	59984.3	TRUE
37398.7	39863.2	59127	47434.7	58738.2	65225.9	66996.4	59786.8	TRUE
189620.2	190047.6	187257.7	192091.6	208558.3	223518.3	171157.3	175496.3	TRUE
362455.6	280981.3	314815.6	307941.2	340071.5	364800.3	268709.6	323474.8	TRUE
152658.6	146614.1	148654	158246.1	146823.8	161116.6	156396.4	156796.9	TRUE
104280.2	71316.9	94904.2	73742.7	78509.6	95504.7	67888.6	81301.6	TRUE
367910.1	315516.2	249069.4	257062.8	384115.2	363712.2	326236.9	353105.3	TRUE
277463.8	291280.2	263176.7	255196.7	330425	315149.7	288964.2	326563.4	TRUE
460594.6	490273.3	358686.8	372979.5	575393.2	511843.3	477239.7	494717.9	TRUE
492233.3	444853.4	378602.6	362282.4	532928.1	455965.9	478489.4	441625.1	TRUE
25791.2	27268.1	25824.5	27367	27925.6	37597.9	30796.6	25530.2	TRUE
21628.1	26972	36368.6	33245.4	30611.3	28338.8	33233.7	34713.7	TRUE
111013.4	112272.4	79791	83845.6	77858.4	99325	77899.6	108110.1	TRUE
285780.4	324555.5	212058.3	242678.9	233820.8	196047.4	247031	247559.6	TRUE
1451001	1251296	1428477	1598357	1713020	1493491	1526917	1665796	TRUE
1438042	1305453	1287901	1563917	1538397	1346830	1532541	1603227	TRUE
133449.9	130476.8	129106.5	153886.9	126356.4	131114.9	128841.9	131221.9	TRUE
97617.8	93301.3	86131.8	105899.7	91291.4	96635.3	85346.4	82963.4	TRUE
772518.1	792003.3	766063.9	808222.3	830246.2	940799.9	860802.1	877003.8	TRUE
2229171	2113319	2181447	2009247	2064834	2484112	2443895	2639681	TRUE
96064.1	148462.9	117285.6	202170	175312.7	80057.5	75233.5	67998.8	TRUE
85446.9	89026	137532.5	69683.1	51456.7	73014	65228.8	67092.8	TRUE
464276.8	430928.9	360715	503947.8	430644.8	519139.7	510479.9	477797.2	TRUE
236581.5	232431.3	180999.5	246868	236922.8	268751.1	333876.7	282637.7	TRUE
79139.1	75921.6	75655.7	78082.2	62765.9	91790.5	89677.8	68704.9	TRUE
532513.1	407773.1	456757.5	534339	507826.1	486663.9	418336.8	483479.6	TRUE
616031.1	521378.9	502091.8	589346.9	549091.2	544846.2	551954.9	562892.7	TRUE
118877.8	85059.1	78848.1	91261.6	91445.1	82716.1	78605.6	78617.6	TRUE
132567.6	144679	142972.8	137428.9	136160.8	155326.6	148874.9	146106.5	TRUE
42656.9	37719.9	64357.2	69146	53194.9	68173.6	60869.7	81698.7	TRUE

105038.3	100386.4	105336.3	107204.9	123740.9	57339.1	97608.3	70060.5	TRUE
297477	228197.4	220559.5	261717.8	259828.8	345702	284655.1	339516.8	TRUE
62755.7	42755.9	42169.9	47545.7	40714.7	48786.7	49254.6	45782.7	TRUE
154070.5	128545.7	101748.6	119914.6	120347.7	106889.8	111014.5	131512.7	TRUE
217662.6	172475.1	170148.2	233267.7	213157.1	207547.7	229291.9	232282.5	TRUE
156299.6	130520.3	107362.3	112644.1	123321.8	137683.6	144661	149394.7	TRUE
53637.8	73013.6	45144.3	73515.8	70580.3	63112.1	64197.5	80854.7	TRUE
66339.4	49279.7	44712.4	55303.6	59456.2	61181.2	65340.7	51810.8	TRUE
51704.9	75425.3	49744.7	54268.6	55006.3	55324.8	76973.8	47762	TRUE
28406	75556.5	69370.7	83814.8	64888.6	36289.4	34785.9	38109.4	TRUE
251240.8	252470.7	228666.2	274724.3	233272.9	281219.6	299028.7	295312.9	TRUE
207059.8	164981	162893.4	183883.2	177894.7	210136.4	191624	195461	TRUE
41095.8	28014.4	38280.5	34712	32191.3	49171.2	33775.3	46465.4	TRUE
39298.9	30744	36183.9	36954.2	30320.8	46104.2	35584.2	38574.2	TRUE
174945.9	174074.9	159628.9	181421.8	184399.7	162955	177091.1	203927.5	TRUE
87222.9	92044.9	71618.7	75848.1	78532.3	91304.7	97035.1	88522.6	TRUE
79129.7	81389	83661.1	70269.2	63689	82369.8	79141.8	81650.3	TRUE
72610	59216.9	80513.4	71007.5	72754.6	72330	61647.8	80930.7	TRUE
52631.4	52941.2	56044.1	47327.3	49505.8	55416.2	52103.1	52307.5	TRUE
241996.5	182562.1	213500.9	193824.9	232101.4	228345.2	237322.8	263625.3	TRUE
313481.9	276485.9	307986.8	342334.1	316547	275312.8	277300	280589.8	TRUE
1359618	1357472	1484463	1277181	889947.7	1472334	1414653	957293.7	TRUE
36281.9	31271.8	29038.2	38752.8	11022.4	30291.2	36636.7	24749.6	TRUE
198404.7	188107.4	167207.5	139595.8	122072	186015.8	168175	130028.7	TRUE
1099617	302823.7	401627.3	370917.1	311143.4	394968.4	425835.3	335907.5	TRUE
262435.8	214395.8	343275.1	332690.5	249483.3	361528.5	326312.9	243592.4	TRUE
54710.8	38333.3	54089.1	32154.8	32505	54479.3	50900.6	46127.5	TRUE
145168.8	150221.6	156181.4	111061.8	92745.7	141728.3	149353.8	110588.1	TRUE
208885.2	210524.3	221772.5	206547	165427.8	223611.9	196355.6	179063.8	TRUE
438612.1	410273.3	445745.8	439136.1	448583.4	464193.2	448074	436137.9	TRUE
46755.5	56025.8	38098.5	49590.5	50494.4	53764.3	52926.4	39726.7	TRUE
611984.3	580533.5	702206.4	615772.6	504602.3	703518.4	706429.4	501586	TRUE
143149.4	123282.7	160464.1	170964.3	166580.3	166272.8	159479.6	138299.1	TRUE
151122.3	119315.7	130692.9	147107.8	145165.1	152300.4	165846	135265	TRUE
45728.6	69624.7	54363.9	49696.2	41713.6	34966.1	48843.6	41638.1	TRUE
247426.7	199507.9	299488.5	304754.1	304841.5	280176.5	214824.7	280957.6	TRUE
99169.7	82544.5	101961.3	101938.3	114302.4	92972.1	79971.7	110977.7	TRUE
116722.7	122134.3	130656.7	129141.3	106121.7	154937.3	146211.7	128973.3	TRUE
61057.3	58225.9	81868.5	54982.4	52514.1	58304.4	85130.1	51106.4	TRUE
102604.7	101456.2	104056.8	113596.9	100411.6	65677.5	75533	58015.5	TRUE
39747.6	29907.4	42062.4	29403.3	36668.7	30984.4	36565.4	30370.8	TRUE
58234.2	78765.5	53612.8	64205	55237.3	62895.5	73246.6	74390.2	TRUE
2078761	1378334	1893112	2132790	2192399	1981283	1406324	2098103	TRUE
69183.8	74733.5	64447.6	69603.2	61916.8	66426.5	86698.7	82407.6	TRUE
92862.5	112780.5	83815.3	126749.7	92403.6	119647.5	135816	85137.3	TRUE
160131.6	160512.5	151642	137096.7	95723.8	140650.4	162571.7	106610.8	TRUE
599856.8	568691.1	507212.1	461710.8	361941.1	514405.2	470183.4	381220.6	TRUE

1139976	1119383	1413205	1461476	993508.7	1512629	1426484	1056439	TRUE
565535.3	578263.9	712664.8	775530.9	561216.9	732078	795990.4	536630.1	TRUE
339180.3	283192.9	471721.5	454310.4	347153.3	422367.6	341029.9	419409.7	TRUE
166904	155552.1	158886.1	115654.8	126043.4	146191.5	173535.2	116378.4	TRUE
204898.2	206045.3	201704.1	289445.2	195195.5	222417.1	212595.6	209708	TRUE
227589.3	237102.1	232087.2	189208.1	186904.6	244991.1	236512.5	187663.6	TRUE
195329.5	218226.8	206997.3	220016.2	264223.1	164155	191655.3	182951.8	TRUE
89484.1	95186.9	68882	98218.9	80290.3	136696.6	124720.8	142996.9	TRUE
297662.4	266354.9	301566.6	229018	250997.6	303615.2	239880.6	244412.5	TRUE
88938.1	74437.3	102281	55988.5	75076.9	83317.8	80884	85717.7	TRUE
266817.9	197859.2	257854.1	320566.6	299138.9	192737.4	232133.3	249066.5	TRUE
90825.2	98196.9	75572.3	99433.1	82013.1	94450.9	105221	57664.9	TRUE
61755.6	90194.3	67506	79690.3	64164.9	63799.1	55578	41363.4	TRUE
23636.1	25824.4	8567.8	16117.3	28469.5	13034.8	12393.9	16746	TRUE
102100	120838.9	75874.9	101230.8	120804.4	73414.7	114098.2	112880	TRUE
2099275	1972591	1470458	2186383	2134700	1540340	2150025	2066293	TRUE
9732894	9505427	6935760	9325079	10139825	7181943	10286232	10242620	TRUE
96629.4	130339.6	95168.1	112357	98690.9	103992.9	107054.5	116291	TRUE
139251.9	106213.7	99493.1	142494.4	146655	153638.6	150400.6	164283.9	TRUE
571604.4	468523.3	586448.6	584102.8	562142.9	540039.1	518178	518434	TRUE
86380.6	64302.6	48534.3	58463.4	51456.4	54616.9	56009	57025.7	TRUE
70269.6	58852.7	58548.9	69269.5	81892.8	84704.2	88926.2	90584.6	TRUE
62823.8	63787.9	49390.8	85872.3	75483.4	70872.3	67874	66543.7	TRUE
100583	98694.7	99326.2	133597.2	97902.7	112850.8	108932.3	95359.5	TRUE
64141.2	63581.7	58477.1	67047.8	65084.9	66557.1	73377.3	66604.2	TRUE
51020.2	24434	26766.5	29206.7	29871	47995.6	25894.4	32267.7	TRUE
268607.9	229302.7	263794.1	340446.8	253207.7	295921	311879	295278	TRUE
66717.7	59188.1	54518.4	71557.6	45509.3	72397.8	64007.9	58577.8	TRUE
82177.1	43616.6	54155.3	89571.5	60928.7	81030.7	67667.9	84970.5	TRUE
135953.7	169715.7	105900.2	135490.7	175865.1	115831.5	177371.3	207529.5	TRUE
11189.8	12715.5	17772.3	9580.7	28351.7	11209.7	18015.9	38073.3	TRUE
181058.8	168191.4	185772.3	194383.4	204384.3	177674.7	212192.5	231358.4	TRUE
128130.9	116964.2	131075.6	100732.8	136180.6	111681.4	135123	119028.2	TRUE
64637.2	69111.2	71003.5	76456	67473	64545	67045	72746	TRUE
31913.3	36048.7	40773.2	41743.2	49480.4	42743.3	43880.5	48349.7	TRUE
28840.9	34745.6	32825.4	24020.8	36374.6	17136.1	36474.9	31408.6	TRUE
30491.9	61202	75678.4	48422.8	48708.7	44249.9	51205.3	47868.2	TRUE
40210.1	36482.7	34053.3	41342.1	44609.9	57121.2	49871.5	55292.7	TRUE
110932.8	98853.1	70146.9	89417.5	80274.4	83019	81447.9	122644.9	TRUE

32824.9	34950.6	41966	40740.6	48251.7	43898.6	27365.1	16935.6	TRUE
44246.2	39569.1	42885.8	55044.8	46351.7	62765.2	60546.7	62805.5	TRUE
17005	24052.6	84177.9	36699.5	18525.7	27715.4	26033.4	31865	TRUE
88223.8	89976.7	71293.6	73889.1	94010.5	66945.4	71446.3	111261.2	TRUE
382736.2	421977.5	342780.4	443828.4	338341.7	337772	371494.2	393908.5	TRUE
28535.8	26433	24646.1	19779	23633.9	16830.2	43174.1	29596.8	TRUE
74258.7	80699.1	43526.3	90681.7	66248.7	63237.7	81759.1	74580.5	TRUE
96964.8	80141	70311.3	103406.4	125695.6	97419.6	122039.1	115355.1	TRUE
379438.6	287577.9	312911.6	365881.7	278393.3	332899.9	359159.5	334030.7	TRUE
251483	248933.8	218675.5	272435.2	177718.6	242964.6	363878.9	265942.4	TRUE
374406.4	362176.5	333767.6	337537.4	296529.4	286217.8	340129.1	283004.3	TRUE
251972.3	250629.7	229601.5	223215.9	195398.5	221477.6	223367.6	196771.2	TRUE
139246.4	115262.2	152665.7	198721.5	133542.1	183038.6	164538.8	171635.2	TRUE
85465.7	76188.1	108869	121774.9	81422.2	108593.9	102012.9	81852.6	TRUE
73344.4	81705.8	73901.5	66290.3	76037.2	62992.4	93290.7	77578.2	TRUE
93295.4	109091.2	103972.2	93448	106343.9	100197.2	100093.5	105775	TRUE
31229.1	23698	28053.3	24791.2	26867.8	21018.9	12432.6	19080.5	TRUE
137991.6	125462.7	175077.6	162781	148743.3	136781.3	164239.9	156299.1	TRUE
145492	142026.7	194449.7	195221.9	181439.9	173512.2	173137.1	174683	TRUE
381858.3	343899.5	81863	83863.3	70332.2	97085.7	125439.1	66399.7	TRUE
33422.2	38950.5	38162.4	38664	28828.9	28331.8	29065.8	38645.6	TRUE
21528	25198.7	26138.9	27071	22243.2	29302.7	26607.8	24719	TRUE
100553.9	111578.7	95294.9	119444.1	95362.9	87353	103196.7	83624.4	TRUE
81890.3	94083.5	73348.7	91700.4	71883.1	74123.4	82313.2	76141.1	TRUE
73662.9	96034.6	83756	83603.3	92911.5	69817.4	88851.4	76027.1	TRUE
324783.3	283100.9	320806.7	301441	271850	370478.5	273944.1	304717.1	TRUE
401358.9	391611.5	326612.7	344665.3	365111.4	317511.4	412259.9	331697	TRUE
82419	68536.9	48619.8	100757	77168.7	97870.4	87550.8	92877.8	TRUE
31150.2	26020.3	12456.6	34470.3	29451.5	42481.5	33191.7	35644.9	TRUE
24215.2	26924.2	21614.1	27624.8	21047.6	39553.7	21627.3	32981.8	TRUE
298649.5	261821.6	273953.3	282912.3	211085.8	360166	322150.4	382952.6	TRUE
328185	302812.6	293440.8	371616.4	261695.4	354298.3	365280.9	363293.4	TRUE
92736.1	103925.7	101973.4	177907.3	109441	118037.5	141571.6	103538.4	TRUE
81090.2	79423.4	75708.1	106351.6	70519.8	71232.5	103637.6	90664.8	TRUE
92027.2	88586	77185.5	76456.5	55118.7	76933	83561.1	87045.3	TRUE
43107.6	29722.4	23222.5	55035.3	10125.6	45481.3	40217.8	36175.5	TRUE
66599.1	70194.5	73582.2	70766	93026.6	40653.3	64469.1	48321.4	TRUE
76127.1	107676.6	95043.6	95406.1	103075.2	87390	81949.1	93153	TRUE
33408.4	9150.8	13474	41852.4	21088.1	21415.5	29908.1	40919.8	TRUE
82395.2	88787.1	77220.1	102582.4	77580.1	73369.2	85744.6	80372.9	TRUE
54104.6	70528.2	66302.5	76230.3	87053.7	60924.4	71528.8	73725.8	TRUE
147766.9	125282.2	131415.8	131744	130565.9	127760.8	139086.7	157373.7	TRUE
223298.5	205951.5	239701.7	232626.7	195733.8	226897.5	230238.6	197034.1	TRUE

66292	91608.2	62538.8	98436.5	102092.2	70367.7	96074.9	99985.3	TRUE
203258.4	153947.8	183187.3	165507.8	160395.7	121839.3	118380.4	140477.4	TRUE
335807.5	300730.4	254985.7	301290.4	312984.1	270810.4	284248.4	314645.4	TRUE
113634.5	138393.9	135306.7	131992	157123.4	118997.9	134467.1	147429.8	TRUE
33174.8	39907.9	40585.2	33991.8	38357.2	14930.2	24713.1	10659.7	TRUE
143433.8	119483.3	120958.9	118211.3	159121	109774.5	126630.8	138261.4	TRUE
549433.2	563591.3	541533	505636.2	491794.3	545171	562429.3	515431.1	TRUE
27349.3	37041.8	25202.3	15597.3	9311.5	10665.2	26065.6	29435.6	TRUE
114612.9	93083.8	88340.3	74649.8	73700.2	105075.3	90894.6	91775.5	TRUE
34140.2	26897.4	14890.3	34273.7	34066.7	29830.3	25900.2	27173.4	TRUE
44774.1	37703.4	29375.5	42052.9	37444.3	47546.3	47200.9	44745.6	TRUE
186146.6	168997.8	193939.2	175056.1	191380.2	173275.4	198079.8	148892.9	TRUE
52262.4	41427.1	43688.7	63239.6	52845.7	44437.1	54683.6	51721.2	TRUE
570115	531273.1	551226.5	299297.2	799631	519996.7	578986	749866.7	TRUE
93323.8	79505.4	72025.1	55072.9	57869.6	60493.3	60448.5	48182	TRUE
464448.5	361299.2	331590.8	406132.2	399565.1	336522.2	375803.5	407821.9	TRUE
64050.6	60307.6	56060.5	56286.3	61304.9	59211	65090.4	61175.8	TRUE
247128	213345.4	252378	246642.4	244612.1	256754.7	224662.1	233376.1	TRUE
2136850	2104150	1427592	1549322	1816691	1813048	1865357	2021466	TRUE
41380.6	73703.5	50066.9	59463.3	77993.2	47198.7	44863.4	48065.3	TRUE
342175.4	320668.6	304010.4	295397.7	336473.6	280147	364604.3	337437	TRUE
45525.4	49274.1	53878.7	60812.7	52025.4	52009.4	52570.3	46525.9	TRUE
148728.7	143416.3	123058	97819.8	134900.6	132795.5	157113.5	125961.7	TRUE
462930.6	456263.6	405976.1	418289.8	434267.2	429189.2	501212.7	479114	TRUE
78998.7	53560.3	51052.4	55244.3	50219.4	49868.6	49272.6	55937.6	TRUE
644452.6	563713.4	661007.7	668505.5	598530.9	578213.4	532452.3	589320.6	TRUE
292639.5	249600	289392	355275.9	267010.7	280604.5	255044.4	303077	TRUE
296151.1	239477	274546.3	340531	286702.1	267001.4	273686	336160.9	TRUE
276777.1	204146.4	191892.2	243136.6	241816.1	206021.2	219895.6	226263.9	TRUE
177593.6	144816.8	186132.9	199507.6	213436.9	208179.3	186910.6	229209.1	TRUE
265224.2	267997.1	275041	261480.6	267873.7	332584.2	311200.3	340669.5	TRUE
75444.4	60300.7	50061.3	66321.9	68542.7	83112.5	74514.7	101363.2	TRUE
169678.7	217001.9	148092.4	186954.8	211290.1	114448.8	119112.3	138886	TRUE
146115.7	117721	114010.6	129632.5	138759.5	168206.3	167592.2	168288.8	TRUE
170992.1	131507.3	101340.2	156786.9	144693	160047.7	157314	155620.1	TRUE
495549.1	469627.9	328553.7	400589	411429.7	392183	391019.7	447939.7	TRUE
129722.1	118855.4	76029.6	84487.8	114898.9	100457.9	77235.4	101333.4	TRUE
284298.1	287861.5	247691.3	237100	302092.6	227625.4	314322.9	324199.7	TRUE
56090.4	62237	61575.6	70516.7	77722.5	62366.2	58694.7	80150.4	TRUE
240039.1	151458.4	145578.1	186319.5	205958.4	202438	258671.1	333874.1	TRUE
211321.2	179236.8	137979.1	213848	224098.3	149368.4	218123.6	226927.9	TRUE
208036.7	222632.5	154142.1	229867.7	242295.5	152782.9	263386.9	263807	TRUE

32313.5	52135.6	30140.4	48732.1	51735.6	36009.7	46336.2	35134.3	TRUE
317782.7	293662.4	299192.9	370424.7	262511.2	335145.6	276341.6	345395.3	TRUE
180625.7	174823.8	163588	167324	146866.4	194273.8	224317	198305.5	TRUE
92809.4	89633.5	75687.5	70817.3	89128.4	99415.3	79327.1	91941.8	TRUE
66466.8	36543.6	63092.8	57294.7	74850.1	79089.5	45855.3	66787.3	TRUE
589655.7	531385.2	508760.7	622052.8	606481.8	501545.6	506614.7	584364.9	TRUE
134464.2	110084.1	142263.5	142907	108561.2	196106.5	107042.9	200221.4	TRUE
45552.4	47748.5	50515.7	60589.9	50581.6	43700.3	55721.3	39629.9	TRUE
44999.8	46401.9	52008.6	51237.2	32991.7	40242.2	44538.1	40243.6	TRUE
761287.2	1144120	509079.1	600302.3	673161.8	567251	597790.6	668064.9	TRUE
138051.8	112537.6	126440.9	147283.2	144396.7	143921.1	124124.1	149828.9	TRUE
33510.4	30371.5	21031.2	23718.5	37742.4	28329.4	32651.8	39673.4	TRUE
968744.8	998424.9	854771.5	828308.7	890986.2	998621.1	989624.4	1034271	TRUE
4860558	4689087	4088782	4150751	4302831	4612251	5013585	4969267	TRUE
104960.1	96817.3	90984.7	94530.8	87478	74567.6	108683	99750.1	TRUE
28828.8	39803.8	30393.2	27983.7	30132.1	30913.7	32289.1	38121.9	TRUE
560157.9	609137.5	487852.6	631505	755696	498967.8	633092	775104.7	TRUE
101637.1	83007.5	102470	110851.8	82869.9	99611.3	78403.5	111299.5	TRUE
70012.2	51803.3	70487.3	61283.1	70388.3	63163.5	60456.5	79119.7	TRUE
74590.1	54086.5	106395.9	116537.6	110216.7	103353.7	78514.9	86629.6	TRUE
90650.3	71522.1	86116.9	87658.1	85699.2	98572.8	83926.1	83568.6	TRUE
160216.7	121088.1	120477.1	154037.9	156707.9	131305.3	99605.7	151065.1	TRUE
50351.2	55674.3	40168	46817.6	57923.2	33471.9	49839.8	45243.9	TRUE
81147.7	67857.3	112394.9	91435	102776.6	84477.5	76344.9	99083	TRUE
36856	25050.8	41732.2	40722.9	27279.4	35069.6	33022	39641.6	TRUE
40146.9	47272.2	59048.2	36408.2	45128.5	43412.6	51479.3	47607.8	TRUE
21142.3	24835.4	15608.7	9179.6	19875.8	23136	19739.8	23084.2	TRUE
157640.3	201838.9	130457.9	136453.2	153090.6	160542.5	163502.7	162200.3	TRUE
92334.4	79718.2	75931.3	76787.3	89049.8	93077.5	91131.6	97567.4	TRUE
20785.2	31965.3	3935.1	10032.6	14905.9	5384.9	9761.5	10439.7	TRUE
190090.9	144488.1	209204.1	191151.7	172000.1	228262.9	157238.1	184797.7	TRUE
781161.8	813217.4	709667	738159.8	784165.5	899501.3	874098.4	834287.7	TRUE
745686.8	861955.7	648505.3	730341.6	780819.1	824992.6	878564.1	862487.6	TRUE
38113.1	48554.9	62468.4	46447.6	40847.5	47489	58669.8	50095.6	TRUE
74129.6	60643	86742.3	100878	85359.2	77135.4	66703.4	91415.4	TRUE
40257.4	25406.9	55077.9	56620.4	47286.6	49247.8	33243.4	48946.1	TRUE
68154.8	73739.3	63469.4	70975.9	49226	67952.2	67524.9	74815	TRUE
228005.6	246075.8	229791.5	254286.2	209061.8	242336.1	249977	206344.7	TRUE
93912.9	91794.2	77156	91371.7	95044.9	83895.1	78393.5	89480	TRUE
171969.3	147499.9	165153.8	190782.3	211177.5	208489.3	174398.8	201549.6	TRUE
81148.1	80825.4	131819.8	100519.1	131361.8	106279.2	106760.4	116786.8	TRUE
91924.8	99051.3	109282.7	81715.1	100108.4	124224.8	138906.1	134376.2	TRUE
36230.9	50865.1	39659.5	35445.8	47531.9	51367.8	48941.9	52795.2	TRUE

6778898	4306826	6735843	6668960	13928585	4313892	4373268	4847077	TRUE
641290.9	530869.5	1142919	399383.8	393545.7	1155896	618809.5	382513.2	TRUE
376868.7	357740.9	745980.1	248763.5	203326.9	736301.6	350289.5	256895.8	TRUE
207591	234073.8	225148.2	174898.9	170628	252549.2	209476.5	169757.1	TRUE
57483.1	81992.2	153579.3	71798.8	66674.9	169993.2	102320.6	68294.9	TRUE
101905.1	61222.4	140243.5	93078.3	198641.3	98598.6	87522.7	103508.9	TRUE
7054.4	22480.6	4658.3	5046.6	8201.8	3708.2	9945	18620.1	TRUE
20304.6	27700.1	24305.2	26921	7728.3	14259	19488.6	12905	TRUE
66637.4	47264.3	107848.5	42844.2	33901.1	106933.9	66393.4	43311.4	TRUE
692777.8	633984.1	1420848	518041.1	502564.6	1412525	759542.2	603788.1	TRUE
488689.5	345960.1	526892.6	519326.2	911366.5	377772.3	388452.8	411652.9	TRUE
219940.1	260090.8	226554.4	308338.8	369392.2	203909.7	218924.3	210328.5	TRUE
57442.6	52919	106553.3	52786.4	46951.4	79847.3	58472.6	69452.7	TRUE
140964.8	100027.4	126635.6	150281.4	201453.9	82586.1	85047.1	79804.5	TRUE
106140.4	160188.2	92840	120930.8	136764.3	84938.9	151779.3	131429.2	TRUE
444654.4	508383.1	502780.1	398075.1	441654.5	501546.8	590237.4	483179.5	TRUE
115229.3	144442.1	181222.8	177073.2	203758.7	149650.2	177615.9	182153.3	TRUE
336584.8	318427.6	343491.8	393647.1	410934.2	452525	341403.3	433494.2	TRUE
133661	151779.7	188215.5	188853.7	136060	142330	161644.5	169511	TRUE
458919.2	456245.3	851991.1	407769.1	300620.2	884075.7	468606.9	331652.1	TRUE
368444.9	447770.4	417852.8	257187.8	251882.4	491279.7	464950.6	272656.3	TRUE
195255.1	216667.8	221261.3	196315.8	158834.4	231163.8	209221	170351.1	TRUE
225859.2	184067.4	347981.6	193790.3	183913.4	382641.9	223154.8	210378.8	TRUE
543824	463062.3	468295.4	481912.4	813144.2	460251.2	489068.4	505159.8	TRUE
351947	305137.2	329754.6	368552.2	523961.9	370002	456426.4	372509.7	TRUE
159784.1	157609	235989.1	178927.5	130899.8	248603.3	194116.4	132783.3	TRUE
521762.4	585238.9	604914.5	569332.1	558353.9	697411.7	671478.8	583118.6	TRUE
192918.7	125347.2	232174.6	234231.2	332727.4	201066.9	119987.4	202094.6	TRUE
316649.3	266702.1	330081.1	320988.7	400303.9	281058.1	276699.2	337051.8	TRUE
39451.1	58861.9	43250	48095.9	75985.2	33555.7	77342.6	64303	TRUE
309646.6	267052.3	326875.6	303973.1	327739.4	311841.1	299835.1	329413.8	TRUE
134376	117002.9	112979.6	119866.6	126591.5	126035.3	118982.6	136505.2	TRUE
306790.9	280160.4	250199.4	270298.1	349596.1	307150.6	335634	292618	TRUE
195083.6	184975.2	187787.2	187362.9	210903.2	232690.1	207887	218519.7	TRUE
49047.9	56677.6	60532.5	52074.2	39424.6	61532.6	53890.7	51115.3	TRUE
210492.4	164640.7	203495.6	175999.3	132427	204522.7	140428	168915.4	TRUE
434043.2	342482.8	449032.2	524154.9	433254.4	461278.3	436015	414416.8	TRUE
112362.1	95852.3	108128.6	91607.6	104691.3	117447.8	112858.6	117006.9	TRUE
248144.8	229951.2	233265.1	266220.8	256065	258914.8	223620.3	279312.7	TRUE
255524.5	193053.2	254794.4	273170.9	244813.2	240658.1	240235.8	251876	TRUE
140320.8	137612	137477.6	128909.6	132735.8	148791.5	149566.6	147704.5	TRUE
385409	386063	309626.6	327421.7	387491.3	342955.4	382812	429443.2	TRUE
234952.3	207209.5	243440.4	289309.5	234796.6	260631.7	230819.8	263612.2	TRUE
528559.9	472322	511189.3	480470	534749.4	520876	496119.9	535005.2	TRUE
41392.5	32600.3	17868.8	16200	9997.2	20999.5	16961.3	14631.4	TRUE
52952.6	57350.6	47383.2	51367.8	53372.2	71237.2	62889.1	78622.3	TRUE
1927224	1758637	1721353	1744508	1907464	1906613	1889142	2062154	TRUE

126248.5	121769.8	115634.7	147034.9	109243.9	161302.4	125319.5	142763.7	TRUE
127406	135247.4	126702.5	147826.7	135950.2	108416.1	143437	106823	TRUE
64013.2	42353.8	47405.9	57664.4	62292	67048	73376.6	61442	TRUE
64412.3	67731.1	48924.9	84024.1	77898	63282.5	65355.3	69726.1	TRUE
46200.4	35945	33341.9	46278.3	29267	46325.7	49486.3	54671	TRUE
56337	55475.1	40514.2	47935.2	57550.5	45307.6	47550	42984.1	TRUE
353345.9	282621.8	337391.9	360930.4	388233.4	379705.8	339798.7	367351.6	TRUE
32823.7	64569.5	34092.3	39622.3	52247	26143.1	50769.6	53333.3	TRUE
160679.7	173329.4	158802.9	152911.6	144643.4	153350.9	167638.8	189836.1	TRUE
308197.1	319854.4	287423.4	308527.7	326861.1	333785.6	359382.7	327607.3	TRUE
269272.1	255929.4	260124.8	297816.9	209189.9	241309.6	248643.5	222285.3	TRUE
628099.6	577520.9	719618.1	657617.6	563113	609413.5	672746.6	570447.7	TRUE
185982.4	235069	260631.7	257597.2	180903.8	177781.9	241577.1	185468.4	TRUE
136104.4	139423.9	126904.8	161178.8	186069.6	136432.6	182247	186740.5	TRUE
307881.2	290597.4	244951.8	299057.8	342192.4	236698.9	351031	366681.4	TRUE
164375.5	187801.9	160558.7	136727	168566.2	164353.4	178896.8	146674.5	TRUE
80945.3	77658.2	65882	59428.8	57008.6	70236.5	83928.9	74810.1	TRUE
22412.1	34736	16357.3	30046.6	33971.7	24498	31595.2	39450.6	TRUE
40174.8	38843.7	32711.2	33385	47133.3	41302.6	39060.7	47471.5	TRUE
12314.4	36677.6	21753.7	15127.8	38995.4	31440.1	16299.7	30301.6	TRUE
297259.7	321333.7	264816.6	294520.7	324371.5	264004.5	378613	361124.6	TRUE
177729.3	213880.3	114440.7	190435.7	189552.8	148863	236577.1	176709.5	TRUE
1042982	1549384	1404522	1177810	1208257	813735.1	1192436	1068454	TRUE
683121.5	845309.9	620432.7	713794.3	738768.1	645534	827467.2	728665.8	TRUE
174923.2	197887.5	137362.8	199111.7	208173.4	143084.1	295733.6	193114.2	TRUE
855358.7	820576.4	1003468	940089.5	670679.6	829883.8	908130.1	807003.2	TRUE
546737.9	499180.1	670392.6	715811.9	394989.5	589391.3	559266.3	546800.9	TRUE
373790.2	366948.2	247040.1	261091	347172.1	279378.3	332208.6	304597.6	TRUE
207694.6	227797.8	225913.8	270240.8	252777	258279.2	271006	290025.4	TRUE
105396.8	84679.9	90205.7	108998.3	109298.4	87335.2	96027.7	124157.1	TRUE
143655.2	152799.6	174535.4	165317.4	145479.3	164964.9	156486.6	155227.3	TRUE
58701.2	51186.5	47883.1	61271.3	77329.2	39126.1	54093.4	65519.8	TRUE
41267.1	82493.3	50810	51076.5	60249.4	40450.9	57152.2	39541	TRUE
100552.9	75616.6	125234.2	99721.2	91421.8	117346.2	98688.5	113791.3	TRUE
207494.7	174759.8	156429.4	184269.1	188001.6	184630.4	197222.7	204716.2	TRUE
105458.5	72108.7	70409.3	99979.3	84876.1	96096.6	97045.8	83557.5	TRUE
165533.4	133774.7	143943.4	162120.3	149536	160295	164481.2	144551.2	TRUE
205888.7	147147.8	197914.8	153502.1	169368.1	320473.8	206754.5	189835.9	TRUE
46806	50459.6	68488.6	47076.9	42803	42295.2	72363.7	39972.1	TRUE
111395.5	110406.2	160777.5	124353.1	137673.6	94075.2	77270.8	73591.5	TRUE
80567.5	118970.7	87376.4	107130.1	134514.3	64653.8	55798.2	51958.9	TRUE
57265.1	77890	88079.9	55113.4	51002.3	84224.3	77012.3	57538.6	TRUE
68328.3	73780.5	131825.8	55312.8	57827.2	210223.8	135042.5	126628.4	TRUE
75932.7	105088.1	86663.9	104749.6	105102.1	94713.8	73187.6	52232.3	TRUE
101790.6	111328.2	115676.4	129672.2	130001.8	117783.7	119434.9	107908.6	TRUE
193265.9	175518.8	185908.2	193640.7	203787.8	300492.3	247611.3	206977	TRUE
43020.2	57948.2	51643.4	56618.4	58690.9	47964.6	53803.4	53967	TRUE
70328.6	78592.5	58069.4	83036.3	75754.7	102950.6	92568.6	77927.2	TRUE

155299.4	168051.8	148102.9	146556.4	141596.6	133634.3	165317.3	126590.9	TRUE
680793.3	636993.8	619925.8	737543.7	637010.3	663368.4	630148.3	718100.6	TRUE
48971.3	69352.7	43287.7	29403	32151.8	38874.5	52082.1	30176.5	TRUE
244432.2	274396	138105.8	237977.3	194149	160145.5	227374.4	176886.8	TRUE
22893.5	10911.9	36913.6	11203.3	20414.6	38962.2	10070.5	24603.9	TRUE
322603.4	319890.9	248268.9	291274.4	247776.8	269568.8	298343.2	273081.2	TRUE
75562.6	68575.4	53591.1	68179.2	72882	50502.8	73941.4	61786.2	TRUE
288954.1	279634.6	340407.9	338749	335608.4	350875.8	392610	338091.5	TRUE
84460.7	94500.2	81456.1	79087.9	82707.2	91508.4	95939.7	91939.2	TRUE
77732	68710.4	75189.1	86631.9	75434.8	67519	82885.4	83480.9	TRUE
19364	14001.7	21351.2	24338.6	25653.4	23844.1	15590.9	24424	TRUE
64006.4	46329.8	56400.5	86516	69302.6	66760.6	49643.4	57858.6	TRUE
173483.6	121193.8	119238	175832.5	132962.2	184250	153438.4	169405.1	TRUE
114489.7	90410.1	85599.3	117912.4	87360.1	125925.8	100453.5	129988.7	TRUE
141899.6	110931.7	106559.3	115559	111625.1	131909.7	153013.7	158734.8	TRUE
1084465	1091508	772117.1	776477	978032	1086409	1064917	1206735	TRUE
86761.2	97884.9	120296.7	83440.1	96742.5	87309.5	102539.5	93630.4	TRUE
186616.8	170747.1	164106.5	153974	174822.1	245283.2	233628.7	345953.2	TRUE
105627.6	108394.7	97967.3	87161.4	108296.2	198123.4	132979.6	153349.5	TRUE
55591.8	36548.6	53246.4	62882.1	55711	50299.4	41062.5	54126.8	TRUE
107811.3	80804.8	100871.7	116100.3	94075.3	104340	83707.3	115923.9	TRUE
75106.6	53529.1	63249	67111.2	92208.6	63235	68232.3	86058.2	TRUE
41102.3	28968.8	32472.5	41342	53892	39683.3	50654.3	55378.2	TRUE
165179.4	208318.5	151593.6	140690.5	172570.4	135483.5	193512.3	161572.3	TRUE
193617	231713	181782.1	164586.2	233599	163164.7	240842.6	157876.9	TRUE
60632.1	70074.9	61174.6	62034.1	68654	51337.2	77672.2	50196.7	TRUE
127832.6	127751	147781.8	141309.2	154698.4	169532.9	113719.3	156926.1	TRUE
135304.3	110864.7	131879.2	142332.6	165931.8	146507.9	116880.2	130639.2	TRUE
227907.8	171197.2	202734	216104.6	246488.5	225023.7	197753.1	258018.4	TRUE
81272.2	79004.4	63353.9	91015.5	80582.5	89146.7	70259.1	95918.2	TRUE
333437.1	288164.2	236686.4	276796.4	353818.3	392691.5	382523.5	367260.5	TRUE
34628.2	33902.1	44327.9	35786.3	32210.8	44490.9	35190.4	40243.6	TRUE
66994.3	73477.6	78483.8	63382.5	52963.8	70735.1	67541.3	59450.3	TRUE
105013.6	94676.4	92243.2	96273.7	80876.8	131548.2	102882.8	84128.8	TRUE
246253.7	234673.3	313431	272949.8	336079.2	239090.1	243149.1	229951.4	TRUE
218343.5	192662.8	190207.7	191181.8	136016	209756.7	225595.6	188285.3	TRUE
53562	46636.2	45788.9	64524.9	73366.2	39766.2	50625.3	40032.1	TRUE
602038.6	607294.3	649416	541142.4	515768.2	704190.6	538357.3	511085.3	TRUE
23618	26841	37249.8	17735.2	25853.6	33099.8	22327.7	27530.4	TRUE
19524.6	20755.9	26839.6	19323.7	23651.6	8323.1	16763.5	17577.3	TRUE
96101.1	91448.4	104856.8	87392.9	80785.2	132004.1	103435.3	70202.3	TRUE
324899	323461.3	352086	344744.8	329915.9	363578.7	388604.6	303193.9	TRUE
137141.2	140772.8	153735.5	111420.2	107525.1	175564.9	146349.6	99628.5	TRUE

108504.1	107730.6	160063.9	121166.1	109788.1	157286.1	129049.1	132087.8	TRUE
168140.4	167240.7	218168.6	169699.6	124326.9	238936.2	177557	163332.8	TRUE
181126.5	159739.8	216927.7	195833.3	247544.5	222658.8	180142.9	223849.6	TRUE
36097.6	41330.3	36840	24340	35513.1	29958.4	28635.1	32485.1	TRUE
204172.2	197450.9	167153.6	165689.7	164311.6	239440.2	217831.5	182204.4	TRUE
106160.8	89719	80586.4	86069.3	62965.4	116867.4	78495.4	91620.3	TRUE
179839.7	188321.1	233175	189031.9	121134.3	252551.9	161081.2	151021	TRUE
344184.3	296565.3	374575.3	293089.1	256954	378236.5	334893.7	264688.4	TRUE
105640.5	125146.5	127286.3	138112.9	124466.9	134047.9	136657.2	135973.9	TRUE
64439.6	66858.3	51481.1	58591.8	56611.1	72856.3	87913.7	66497.9	TRUE
262159.3	199194.5	268266.3	252569	387825.4	246211.1	207630	262609.3	TRUE
31452.7	35041.4	35369.4	54866.3	39946.7	42280.7	33101.1	40604.1	TRUE
231686.2	218153.4	188930.9	273715.3	267140.2	187194.8	203751.4	295058.7	TRUE
248487.7	235010.9	206012.9	209988	209796.5	295216	237690.9	232440.3	TRUE
542058	494939.1	358754.2	613257	634797.9	364993.3	537132.2	641654.4	TRUE
83876.9	60149.3	55278.4	73355.6	74403.9	64284.3	74234	84483.5	TRUE
52536.8	44422	47114.3	80790.7	60163.1	44215	53453.5	59622.4	TRUE
157983.9	150918.3	141688.8	155081.5	146426.6	147322.5	140734.7	157036.7	TRUE
385008	350813	292145.8	297554	297501.6	323469.7	391105	401055.7	TRUE
80753.7	75040	41713.5	67207.6	61831.9	55758.8	59964	59141.7	TRUE
61933.9	51767	47787.7	41117.5	61948.1	54057.3	62402.4	74085	TRUE
62230	56700.6	48203.8	98912.8	76754.2	74869.5	94816.1	100117	TRUE
59774.4	36655.3	63719.6	41496	49835.8	65649.3	54669	41984.1	TRUE
1282128	1026013	1071584	1324898	1196764	1163013	1130783	1230947	TRUE
341397	306369.9	292430.7	349961.2	351507.2	413740.7	339451.8	395455.7	TRUE
56004.4	53190.5	67660.8	61292	54017	48940.3	43024.4	55105.4	TRUE
77700.7	45653.8	56197.5	74142.3	47865.1	75762.8	65946.2	78709.4	TRUE
9585.6	10555.1	8540.8	11619.3	20471.8	27988.5	11269.6	28011	TRUE
47526.6	30204.8	34769.2	33661.8	50883.8	47197.8	46016.7	48123.6	TRUE
139817	168166.3	160414.5	169054.4	116103.5	187513.4	173397.1	164859.2	TRUE
172257.8	220913.6	179066.4	205178.2	151196.5	181130.2	238209	183103.7	TRUE
93747.5	122343.5	116029.2	110449	90093.4	104910.2	137886.1	126119.2	TRUE
1590829	1480178	1585173	1513092	1577593	1605453	1552861	1595791	TRUE
297463.4	310066.5	264485.6	267246.2	267635.7	271898.4	266493.9	274362.2	TRUE
430845	384270	380683.5	416932.6	429047.9	448360.8	416132.1	416954	TRUE
428279.8	354644	408293	524451.1	461306.3	443150.1	440968	488497	TRUE
138271.7	126633.4	149383.7	156482.4	143733.7	161000.8	125302	158804.1	TRUE
140576.6	130799.3	94835.1	122148.2	126688.2	125384.1	138633.3	132146.6	TRUE
376809.7	412643.8	396809.8	467253.2	433368.8	496904	501819.2	514232.5	TRUE
85544.5	98653.4	95389.6	93434.5	123394.5	112160.2	111412	132058.1	TRUE

120501.5	138846.8	99655.5	156762.5	140500.1	91335	81535.2	105604.6	TRUE
88236.4	63367.1	59685.6	77623.5	64632	96845	112232.9	106664	TRUE
295767.7	200780	250688.5	322665.6	298006.4	249974.1	229279.5	276200.6	TRUE
496735.4	474724.1	594718.9	495006.3	573508.5	556139.1	504528.4	533991.2	TRUE
537530.5	510370.8	479397.2	444331.1	562196.7	481171.4	539886.2	473736.2	TRUE
339703.5	299500.7	415126.2	328288.1	260946.4	466238.4	291405.2	269338.7	TRUE
45294.1	40270.2	52477.4	44271.6	43654.1	61056.9	38317.3	38023.6	TRUE
119415.9	100252	119166.2	114462.2	132641.4	138895.4	119387.7	137087.4	TRUE
185133.6	196591.6	194668.9	199470.6	199913.1	187570.9	202628.9	205365.9	TRUE
339564.3	333125.2	324070.7	407425.1	384121.4	336124.4	360266.8	419350.7	TRUE
356451.6	383911.6	381031	431206	330520.6	416989.5	426653	320739	TRUE
388045.5	431091.2	416812.6	408079.5	403342.4	436184.9	416447.7	451027.9	TRUE
39583.7	34663	35268.3	22929.9	42081	58746.3	44959.7	57690	TRUE
127642.9	122353.6	107136.2	144185.1	143878.8	154989.6	141167	151170.9	TRUE
56480.3	56534.9	51902.6	58146.9	67921.1	97262.9	90564.6	65022.3	TRUE
248396	241339.3	251631.1	248752.8	270802	274621.9	237561.6	291534.5	TRUE
26272.6	11910.8	40750.7	48410.7	45168.5	43340.1	49402.5	54842.9	TRUE
74097.1	93231.2	73921.4	88443.5	90670.6	59112.3	81286	62628.3	TRUE
45665.9	64135	59391	42541.7	61407.2	49333.4	58623.9	38135.5	TRUE
60494.5	51400.9	70261.3	65326	59229.5	48419.2	62646	60376.6	TRUE
64013.2	42353.8	47405.9	57664.4	62292	67048	73376.6	61442	TRUE
64412.3	67731.1	48924.9	84024.1	77898	63282.5	65355.3	69726.1	TRUE
46200.4	35945	33341.9	46278.3	29267	46325.7	49486.3	54671	TRUE
56337	55475.1	40514.2	47935.2	57550.5	45307.6	47550	42984.1	TRUE
99536.7	54945.3	73912.9	73014.2	57421.1	132193.9	77207.5	74387.3	TRUE
71213.3	49105.6	71968.2	70338.4	59633.2	49478.7	58790.2	62065.5	TRUE
403410.6	405229	394532.5	447323.1	403116.5	398679	362715.8	407588.3	TRUE
265231.6	223652.1	290837	277018.1	258132.6	277410.6	268067.1	246623.5	TRUE
172323.7	123626	129136.9	152944.7	156670.4	133848	149547.1	130234.2	TRUE
382985.2	323100.5	320053	340335	371052.9	370577.1	362824.3	375602.6	TRUE
69709.2	72680.4	64801	73300.9	70598.2	87449.8	53972.3	73302.9	TRUE
33586.9	32187.5	27703.3	25573.3	36827.7	11684.6	28989.6	36346.7	TRUE
1345438	1183301	1089269	1545094	1303395	1181149	1240538	1280917	TRUE
1789075	1597460	1517465	1584552	1647317	1911917	1714144	1906465	TRUE
94114.6	74188.7	87428.6	95269.6	100059.4	84873.2	89200.8	92052.7	TRUE
43742.8	39117.3	47945.3	47625.2	61452.9	40612.3	48183.7	56332.3	TRUE
165110.6	151961.2	148929.3	189799.6	182369.6	178255.1	163591.3	176745.2	TRUE
172835.3	153246.7	182005.1	180273.8	151520.6	177422.5	156967.2	168021.7	TRUE

62798.7	56095.6	62364.6	69516	45082	63163.2	54535.2	58615.6	TRUE
199075	211483.6	162044.4	193669.7	185839.3	206610.3	167568.2	192644.2	TRUE
166761.2	163411.8	167123.8	170435.7	198105.3	169416.5	172741.9	180955.8	TRUE
182312.5	147549.1	175494	159470.3	182161.5	162119.2	160063.8	182869	TRUE
257792	253460.3	248876.9	247418.1	258459.1	290440.4	223423.5	299784.4	TRUE
991803.2	942937.6	1037821	1009573	893667.9	997280.2	975184.9	960060.9	TRUE
184303.9	185081.3	191952.7	205952.8	223008.7	186691.4	210160.2	221817.8	TRUE
811851.5	773360.9	665873	809219.3	920002.8	716231	847153	939752.5	TRUE
592256.5	563739.3	579042.8	562889.4	474095.5	585738.9	621123.9	629676.2	TRUE
24023.1	36431.7	31328.9	37961.5	27069.1	28685.8	35932.7	36143.4	TRUE
62715.2	56944	53829.4	52189.3	64331.9	50732.3	56210.8	59650.6	TRUE
42008.9	42455.7	42901.7	30261.8	39090.1	42721.7	36491.2	47963.7	TRUE
30019.2	28001.7	23426.6	67774.9	52878.8	33305.9	46855.5	36544.7	TRUE
31566.9	28333.1	40841.1	36882.9	32177.1	29535.2	32832.3	35704.3	TRUE
285005.1	270262.5	351329.9	287839.8	269185.9	300351.6	326085.8	283936.2	TRUE
96247.1	82018.6	94379	88605.8	85049.6	101922.8	85126.7	86280.2	TRUE
25583.8	35880.3	36272.3	43707.1	39811.1	42963.5	32651.5	33280.6	TRUE
286540.4	271373.9	292959.4	294216.9	304965.3	281353.2	282764.7	306044.2	TRUE
544833.9	516202.9	548180.6	533174.6	544066.8	536641.5	545709.6	537045	TRUE
231843.1	269573.1	256642.7	274620.6	230791.8	263847	277511.4	257678.8	TRUE
125113.2	133719.8	134704	77882.2	104442.8	130260.5	144641.7	159485.5	TRUE
496674	400594.7	368464.7	465088.9	441400.8	487524.8	537009.4	566557.2	TRUE
818216.3	830681.6	917438.6	772268.7	840774.5	807672.3	811631.6	712082	TRUE
114909.9	123809.1	107403.5	126647.1	117171.8	121508.6	150310.3	122386	TRUE
40591.9	40653.2	30547.2	38062.4	32791.9	23686.6	39624.6	44548.7	TRUE
49249.3	36595.4	28314	32117.1	34268.8	32474.1	37851.8	34164.1	TRUE
87601.4	103120.9	112782.9	95912.7	92916.8	138875.5	117506.5	74973.5	TRUE
57981.1	66609	65258.5	69326.4	60961.9	59200.2	61172	75672.6	TRUE
71412.2	78718.4	76399.8	59910.9	92167.6	76960.9	85981.2	80346.8	TRUE
115316.6	107314	99276.5	100078	102809.6	113825.7	106635.7	92894.7	TRUE
370661.7	311062.1	241815.3	345283.8	316693.9	390038.4	416788.9	455362.9	TRUE
582447.3	628697.1	1145182	619068.1	628699	703686.3	545504.5	651432.9	TRUE
142284.1	141640.4	174557.9	151411.7	162363.8	174978.2	146102	163649.7	TRUE
896835.9	1121894	1357345	927900.8	1060854	1017518	1031043	1010749	TRUE
231281.9	235040.4	250167.8	245094.3	293465.4	279932	279663.3	261187	TRUE
139728.1	148060.1	123275.5	107801.5	142716.9	82417.9	93030	76448.9	TRUE
112574	117316.3	98493.6	82880.5	113606.4	92531.1	91574.8	115993.2	TRUE
624885.6	703248.1	542424.2	601711.9	581750.1	624649.2	644342.8	681624.9	TRUE
165649.4	167355.2	120716.2	172541.8	183557.6	167410.2	184154.6	179276.8	TRUE
254591.7	213149.6	174011.4	218350.2	238146	257636.8	283048.2	286070.9	TRUE
128276.6	74392.2	109472.2	103356.6	103006.6	161897.7	118781.4	120588.3	TRUE
128339.7	109000.5	117725.9	74413.4	111501.9	113744	138066.6	89242.7	TRUE
10027.9	8273.3	8283.5	7827.1	12018.4	23753.8	17576.6	15558.1	TRUE

16803.3	16243.3	17576.8	24039.3	6133.7	14763.2	7725.6	8780.8	TRUE
23075.9	7948.2	22839.2	12157	25083	31042.6	14168.6	31729.2	TRUE
23072.5	9729.2	32861.5	6121	23874.5	37028	15118.1	25033.4	TRUE
146133.8	105929.3	151686.5	145844.5	122980.9	144572.6	145011.8	179862.2	TRUE
280250.4	411372.7	156651.5	277274	345348.3	163008.1	409317.3	372934.2	TRUE
321642.4	348248.6	421505.3	387344.6	198467	278578.7	380325.9	317519.6	TRUE
145880	171114.8	194231.3	189943.7	105498.6	133605.2	160276.2	168300.6	TRUE
39747.3	43668.5	36580.8	40304	45307.3	39744.2	45780.5	44471.9	TRUE
17702.8	20968.4	28041.2	20602.3	15404.6	18852.5	20875.3	20113.1	TRUE
47567.5	60639.3	50516.7	33069.9	42789.7	37732.7	48284	43224.6	TRUE
357610.8	390542.1	275802.8	275709.1	277335.9	290565.3	378771.2	308564.4	TRUE
748122.1	999920.7	732693.3	742064.2	777868.3	606127.2	1066798	586717.5	TRUE
381030.2	437055	391227	354872.2	383061.8	327979.8	412302.6	348454.6	TRUE
114000.3	127961.5	102793.4	114330.7	103538.7	109947.2	128520.8	116116.2	TRUE
181798.6	207786.9	214513.8	236656.9	205190.3	186986.7	180246.6	169849.8	TRUE
35781.3	23520.8	22378.2	26004.2	44278.4	40832	44011.8	60132.8	TRUE
47488.3	46483.7	37193.6	25992.6	39591.8	40087.2	47998.1	37294.6	TRUE
37740.9	53380.6	33117.8	37895.4	42711.6	37378.2	44844.5	48194.5	TRUE
421133.9	455433.4	352887.1	349070.8	409449.3	337412.6	505958.3	386194.7	TRUE
89320.2	112284.3	102678.6	103341.8	82853.7	73256	119389.8	83306.1	TRUE
543059	609376.7	628121.7	557924.8	619430.8	506566.5	662329.2	621995.2	TRUE
180417.3	175667.2	250224.4	227644.5	205412.1	198373.3	174904.9	218058.3	TRUE
113997.8	100700.3	53619.8	79052.5	85011.5	100847.4	118690.1	99177	TRUE
175271.6	120282.7	151831.7	162289.8	164545.2	140959.2	156028.3	140575.9	TRUE
97731.2	79168	89558	96093.6	76668.1	88164.5	115606.5	88327.8	TRUE
58980	61045.1	64426.2	41895.8	47520.7	53568.5	69312.9	62587.3	TRUE
50860.7	50009.2	60036.8	45873.7	31775.7	52198.6	49709.9	42530.5	TRUE
154708.7	185187.1	163349.8	147463.2	158848.8	175579.6	196667.2	165228.6	TRUE
46236.4	64088.5	50439.7	68645.9	43350.7	55160	58272.7	41859.3	TRUE
76914.5	64011	75673.9	79891.1	67800.5	98767.9	64639.4	71567.5	TRUE
159987.5	180632.3	138509.8	175065.7	123883	169124.8	193365.9	154146.8	TRUE
105229.7	113565.6	99565.6	97371.6	114258.7	106608.4	126785.5	133604.3	TRUE
152377.2	157437.4	204831.7	125072.7	122129.7	137686.4	163640.7	130776	TRUE
45466.8	47009.7	55278.7	64857.7	40343.8	55698.2	30238.7	38883.9	TRUE
170247.5	168385.3	205980.3	201948	145959	176522.7	181705.5	187780.3	TRUE
426253.9	342794.9	468136.3	391710.2	362830.5	514344.3	340618.3	388269.8	TRUE
168672.9	199779.3	172192.6	235650.5	174951.1	157018	232440.1	192089	TRUE
151525.6	156481.2	156200	185382.3	137850.5	146320.8	184768	143677.2	TRUE
134297.5	189692.4	112469.7	139394.6	172018.4	93706.1	223525.1	187894.5	TRUE
304806.3	353681.2	240501	270899.2	311950.1	263172.5	338545.2	324631.7	TRUE

176828.4	174668.4	129808.2	125325.9	169302	132649.3	174333.7	202744.9	TRUE
49969	77608.8	60032	47507.5	54654	34692.9	51599	47040.7	TRUE
97410.5	78689.5	90769.2	115678	101779.1	124674.3	122367.8	106598.6	TRUE
106837.1	98969.5	74700.7	103297.5	119343.2	129095.3	121839.7	173914.6	TRUE
33438.9	35368.3	37779.1	29635.9	40619.8	44765.1	49034.2	61326.8	TRUE
245031.7	231360.3	194181.4	260248.4	265130.1	196094.1	284991	278216	TRUE
63439.7	59377.7	63231.2	68564.9	52050.9	70949.2	75733.2	64173.5	TRUE
224259.8	263827.8	246399.9	286995.6	193050.3	227350	270817.9	265983.9	TRUE
54096.1	52581.1	51470.2	72754.6	60513.5	56476	45894.2	52565.4	TRUE
41805.4	39500.9	43312.1	29719.2	40368.8	37072.7	34037.9	33923.1	TRUE
540446.6	618077.6	638887.5	377340.6	361496.1	720423.7	597554	408092	TRUE
104684.2	76004.1	127056.9	136935.7	113875.6	105339.6	95027.6	109296.2	TRUE
255584.1	217397.4	282711.5	294272.1	289024.6	184060.2	232329.6	218247.4	TRUE
77338.7	109650.1	85797.7	55712.5	63515.9	82744.7	72960.8	65544	TRUE
23863.4	19930.5	32912.7	11735.4	24777.5	27349.5	34635.6	10279.5	TRUE
131410.6	127482	111610.3	145237	136596.4	141430	154535.8	155099.4	TRUE
21313.5	27171.4	25327.3	32886.6	25763.6	24083	22136.6	33285.8	TRUE
46629.4	42602.3	30662.8	40011.5	38392.1	38313.9	43442.6	40972.3	TRUE
23989.8	21933.7	22086.3	21672	27101.3	23402.6	22496.5	7574.9	TRUE
393853	448907.5	512475.6	331885.5	355407.4	534768.6	557805.5	301829.7	TRUE
195812.8	224428.2	248587.3	168193.2	185171.2	258324	259757.2	204769.8	TRUE
101716.4	82328.3	76153.1	61760.1	68224.3	74994.3	76157.7	53054	TRUE
40297.5	37240	62695.8	48607	43049.9	63193.2	67455.9	49051.8	TRUE
63155.1	111343.1	98590.6	78168.9	49949.1	97496	122711.4	60022.7	TRUE
256736	305768.9	260383.8	234715.6	236039.3	292046	331951.2	226029.1	TRUE
190316.4	138647.9	189206.8	242035.4	211938.4	126873.1	130558.3	142296.8	TRUE
74687.2	54291.6	61944	60100.2	77320.2	95846.2	78598.2	81345.9	TRUE
20552.4	9518.5	13302.3	12912.8	27705.1	19183	11123.7	15598.9	TRUE
185768.7	120371.1	227395.9	173286.6	110444.4	234877.8	139699.2	125845.1	TRUE
25064	37153.3	50407.7	33606	22599.7	66067.2	13963.9	28579.2	TRUE
85601.7	75636.3	108211.4	92263	52157.4	112404.5	60317.1	53943.7	TRUE
302342.3	144989.4	211782.5	212779.8	399347.5	334833.5	173238.4	341909.4	TRUE
83422.8	74893.1	92243.9	70451.8	69185	90796.9	59007	45350.7	TRUE
203180.3	131676.1	159725.6	187695.6	290527	216755.3	127657.2	238630.1	TRUE
15464.5	22928.4	30606.4	6588.9	28504.9	22022.7	19342.7	13398.9	TRUE
78707	68827.4	103198.6	86760.1	50763.2	130855.9	55631.8	67671.9	TRUE
37593.5	27545.3	44628.9	38650.8	18848.6	32642.2	28650.3	20666.1	TRUE

159298.6	135915.4	133983.9	129082.7	118615.1	141709	135638.2	142306.7	TRUE
119811.3	117575	110778.5	152798.1	137845.9	145241.6	131873.3	137848.8	TRUE
303507.7	254779.5	278573.8	260921.3	260597.7	295784.3	259176.2	276725.9	TRUE
49643	27849.7	23972.2	52381.3	49574.8	31333.6	41169.1	49593.7	TRUE
112641.7	108699.7	120835.3	158332.4	163646.2	123635.4	125284.9	161403.2	TRUE
23324.2	19952.8	23978.3	30114.8	30242.3	27522.9	34927	32406	TRUE
110595	119161	142447.6	150198.2	103796.3	115566.3	108554.8	92692.4	TRUE
156803.7	108580.8	103942.8	120555.8	147333.6	131478.2	134201.9	140288.3	TRUE
32704.8	25734.4	38587.7	34461.1	36497.1	50202.4	31043.1	34000.8	TRUE
89295.2	106227.8	81955.8	97228.7	101453.8	89770.3	90678.1	101359.2	TRUE
997115.3	1005445	937783.4	990467.8	1026631	938922	1032893	1027850	TRUE
14876.4	11571.8	5878.8	13357	29253.6	14570.4	30460	24002.4	TRUE
62545.1	81493.9	92421.8	99846.8	67660.4	72209	84096.9	85362.8	TRUE
56520.6	47278.9	31321.5	49319.7	52780.1	40565.7	34063.2	36012.4	TRUE
185700.1	195643.8	193059.1	224229.7	235754	216020.3	196159.6	250349.2	TRUE
82560.4	49946.8	113360.5	97368.7	85309.3	124588.1	51767.3	94349.6	TRUE
39351.3	26709.1	56744.3	47537.3	30275	74635.6	31722.6	45073.3	TRUE
357343.9	255073.9	521516.2	397502.4	319741.7	539856.8	298900.7	314206.6	TRUE
276593.8	200343.1	310885	296597.1	222646.2	319707.9	162064.3	229819.8	TRUE
365470.5	355980	234404.9	268510.6	436798.1	393909.8	340710.5	397730.8	TRUE
491998	488303.2	341803.6	350232.9	599835.2	556729.6	451294.9	519851.6	TRUE
17212	30138.4	9810.3	8991.9	37304.3	18255.5	24294.1	9618.2	TRUE
97920.4	124320.3	109654.3	85255.7	113356.5	117278.5	104388.5	116915.4	TRUE
136520.5	51423.3	194983.6	149051.8	115247.2	200607.3	73109.7	104780.8	TRUE
63134.9	32558.4	97077.4	94941.1	69241.9	87923.9	40247.3	63288.6	TRUE
348711.6	297759.8	437706	383947.5	328461	477174.6	280046.6	327593.6	TRUE
601934.5	541568.7	426660.9	427558.9	797524.8	714905.5	571089.3	701863.6	TRUE
60229.7	52731.2	79503.3	50666.2	58605.2	66013.9	34361.7	57264	TRUE
1006503	863995.9	699524.4	740394.1	1345893	1113570	894713.9	1100559	TRUE
305280.5	255643.7	209546.3	247975.4	372977.7	344098.3	362093.4	331274.2	TRUE
76596.9	60821.8	86380.4	41357.6	55811.3	75680.8	60463.1	54155.9	TRUE
33002.5	44054.2	57275.1	21323.3	33433.6	48287.8	29826.4	39199.4	TRUE
20966.2	30838	42174.4	9667.4	11817.6	38854.6	14255.4	11728.3	TRUE
205320.3	173371.8	190496.6	240880.3	243968.6	175331.3	157321.2	207956.6	TRUE
58773.9	58540.3	62466.6	47162.7	51246	87711.2	55763.9	58201.9	TRUE
211961.1	215995.4	191986.7	216095.2	186737.6	268755.3	230053.3	204699.2	TRUE
60043.7	72200.9	104086.2	39785.5	45839	91936.4	49450.5	43197.3	TRUE
294622	311544.4	447222.1	269439.7	240522.8	480746.7	319202	243178.6	TRUE
32354.8	28178	30226.7	30157.2	38796.6	24693.9	34330.1	38358.9	TRUE
31156.3	28507.8	47258.8	30214.2	24780.5	44332.8	44627.6	36101.7	TRUE
48555.3	31926.3	64771.2	52149.4	74170.3	25657.8	42094.6	25373.7	TRUE
32672.3	35212.5	50185.9	35007	46468	10235.9	28475.7	13576.2	TRUE

242434.6	150319.8	282419.9	286802.5	382234.5	172493.1	150167.8	164192	TRUE
73177.4	58083.7	132736	63093	55836.7	159406.8	85767.9	65020	TRUE
121969.2	117843.9	190134.5	96509.1	131128.7	184038.8	125821.1	104494.2	TRUE
133593.4	131230.8	152539.4	140626.7	137020.1	131815.7	121827.1	141058.1	TRUE
47890.5	45712.8	57118.4	26634.9	38547.8	28775.3	57922.3	44209	TRUE
94568.5	185923.6	96648.6	120527.7	109645.7	93363.8	93390.5	94845.7	TRUE
92816	110436.6	89491.1	80130.9	107444.9	98564.2	95684.2	90739	TRUE
191614.9	188695.4	212099.3	180266.2	190315.7	201502.4	222065.7	187395	TRUE
108622	113388.2	90523.1	93682.7	93676.3	122845.1	120384.8	103629.8	TRUE
40806.5	27201.3	33139.3	34151.5	34824.5	45759	26983.6	36005.2	TRUE
39393	51053.8	47636.5	44776.8	43795.3	46695.2	46811.2	46977	TRUE
328092.6	295557.7	356724.2	392504.8	394695.1	353162.3	337186.2	338684.6	TRUE
77002.4	71804.2	75690.2	73857	71799.5	55159.9	62533.6	63470.4	TRUE
239448.9	274537.5	239206.6	255810.1	242360.9	278107.3	272010.9	283705.5	TRUE
39319.3	42036.9	37247.2	48635.4	46385.2	36347.9	48400.3	48449.2	TRUE
43374.4	38607.1	35103.9	35176.8	37109.9	38304.5	54337.3	26897.5	TRUE
69848.9	73751.4	61299.7	90390.7	60155.4	65711.6	77598.1	62451.4	TRUE
95959.9	111132.8	71580.3	64561.4	81352.9	105384.1	132037.2	101542.9	TRUE
71455.5	52440.4	76565.7	67192.5	109398.1	89082.7	62359.5	87835.4	TRUE
103281.5	93175.6	77246.9	94494.4	89694.4	91262.2	112913	105928.7	TRUE
27165.8	35838.9	32176.3	25883.2	33339.6	33648.3	31524.9	50339.1	TRUE
46283.9	44285.3	37038.2	48945.9	37522.3	37428.1	39836.3	50039.5	TRUE
176425.9	176447.6	218868.6	196203.9	174728.4	244242.9	212108	239297.1	TRUE
64525.8	67206.9	67128.1	85538.5	72137.7	63696.9	70838.2	58836.2	TRUE
173133.6	127052.1	170522.1	116587.5	124020.7	156759.4	150420.2	141064.1	TRUE
15291.8	17621.6	6362	10325.6	15069.1	12242.1	18131	18963.9	TRUE
101607.8	105671.5	110410.9	93477.7	119293.2	104842.8	112036.2	110752.1	TRUE
94289.3	75584.4	64593.4	67235.5	54422.1	55397.6	70964.5	75526.3	TRUE
193709.7	150250.8	173139.6	231390	246229.2	200419.4	201955.3	253672.4	TRUE
193716.4	157039.9	170901.8	217356.8	231509.5	181772.8	162371.7	217869.5	TRUE
228928.4	198915.2	192080.3	253782.8	235103	242796.3	215282.9	254527.7	TRUE
611635.4	602247.3	481718.3	602586.3	537012.6	574034.6	664212.9	558016.8	TRUE
594031.5	670770.1	910879.2	863093.9	870368.4	961820.5	908329	824315.8	TRUE
10601.9	9108.7	16160.3	12043.8	21267.5	32258.5	28360.8	16231.2	TRUE
1567198	1738591	906840.5	2154166	2479503	998728.2	2001294	2352024	TRUE
1491076	1724070	810541.3	2048620	2256441	797018.3	1979026	2197631	TRUE
124875.2	143745.9	111822.1	182857.1	207178	116406.3	183023.3	199169.3	TRUE
52899.7	45685.8	33692.2	52381.7	47836.4	33328	48603.4	61029.3	TRUE
35178.6	68573.3	36084.6	48610.8	86721.3	23189.8	34686.9	25023.8	TRUE
44516.8	70079.1	46851.8	52703.1	64239.2	56245.6	43786.3	75670.7	TRUE
6053916	7920123	8120697	7551584	3919537	8056628	9014049	7687161	TRUE
981818.7	1178277	1093899	1175752	766867.3	1070801	1197910	1137493	TRUE
69932.6	138795.7	100913	121907.9	102875.7	58890.7	59372.2	58753	TRUE
53890.9	108302.4	54397.8	75699.7	67103.6	49325.9	44710.9	55078.2	TRUE

105574.5	91382.6	89564.5	95180.2	98455.5	101460.7	94645.8	111379.7	TRUE
430691.6	339044.2	411656.2	402292.5	439529.7	361968.4	359683.4	388550.4	TRUE
155737	93636.3	106522.5	125229.5	138291.6	115926.5	105709.8	102158.2	TRUE
284822	253480.2	233757.6	254730.1	265714.3	250612.1	262075.6	286211	TRUE
124181.5	106690	127037.6	124686.9	102040.9	140745.9	131221.2	145643.8	TRUE
359918.2	351272.4	346137.6	338292	408098.8	317721.1	385842.3	366299.9	TRUE
256754.5	282493.5	373748	438694.2	353081	402290	335127.4	349546.8	TRUE
242370.4	214358.7	231830.5	274228.5	313625.9	264581.8	246140.7	270198.5	TRUE
153474.2	254094.3	156160.8	234366.1	275130.5	86519.4	157987.2	147491.1	TRUE
96803.9	83438.8	77835.3	101324.4	98588.1	84817.7	109895.2	99345.4	TRUE
357176.6	340651.6	276823.6	381685.6	421663.9	302851.1	313673.6	433120.1	TRUE
131445.4	94747.5	92922.1	108075.8	107463.9	119700.9	107497.9	92715.5	TRUE
401416.6	316178	312463.3	394962.6	394079.2	341864.5	377626.9	360695.3	TRUE
135309.4	139846.6	151833.4	167635.2	168337.8	131948.7	133432	173668.6	TRUE
42482	62490.1	50869.1	47877.1	87334.7	27504.3	40832.9	32499.9	TRUE
51343.1	62430.8	42626.3	74317.5	78181	39136.9	51702.7	44734.7	TRUE
25345.7	13928.4	19246.8	12805.7	21861	21231.1	13430.5	14979	TRUE
32529.3	33065.4	38917.4	31472.2	41065.1	43763.1	46179	39223.6	TRUE
42244.8	23615.5	23698.5	23188.1	34078.8	32406.8	27767.3	29817.6	TRUE
84936.3	86260	85992.5	96906.9	87869.9	108446.4	102466	109998.9	TRUE
44171.5	61726.2	50386.7	72656.5	64936.5	72126	44440.2	60312.7	TRUE
178146.1	189138.7	148994.9	132868.3	159745.1	207733.8	200186.6	232877.8	TRUE
321531	321190.7	304702.9	354537.3	405607.1	316389.7	321975.7	394711.7	TRUE
82753.8	71766.8	55757.3	76570.5	75351.5	71785.1	87669.7	106366.5	TRUE
96772.8	239668.5	146774.4	249055	316288	74841.7	72355.7	98032	TRUE
1191907	1229083	1016584	977200	1096368	943741.2	1118204	991540	TRUE
15169.6	18404.5	8354.9	23423.7	6452.8	7407.6	24346.8	22610.5	TRUE
204029.3	232562.5	131079.6	159447.3	161301.8	185804.3	186410.7	165105.8	TRUE
36760.3	41478	26828.7	21589	28838.3	34646.1	39939.8	33189.3	TRUE
2949087	3061912	2677045	2895052	2786678	3275859	3630882	3543613	TRUE
1426627	1563454	1273842	1488636	1323710	1579277	1628436	1660053	TRUE
482261.4	500995.5	492228.8	539031.1	462273.8	584742.5	578189.7	565270.9	TRUE
90934.9	86617.9	83492.5	95921	112760.6	93497.2	100313.9	104191.5	TRUE
168079.9	193799.2	188568	175506.5	192884.1	187909.5	191466.2	174634.7	TRUE
81405.6	74434.9	51512.5	83188.7	87523.8	65038.5	80145.1	105984.6	TRUE
33673.3	13885.4	10626.2	10718.3	35984.5	19973.8	13854.9	33264.4	TRUE
159569	203581.5	137971.8	132819.1	183607.5	136525.6	189377.6	210989.8	TRUE
25024.8	7353.2	11553.1	7585.8	23705.4	23326.7	11105.2	15656.8	TRUE
103513.1	83364.8	120804.2	81090.9	113664.4	116327.3	107940	114998.1	TRUE
107638.2	107739.8	163442.5	260707.1	308679.2	203469.1	211754	277478.1	TRUE
118562.6	101578.7	130829.7	172171.1	143204.3	141549	126009.5	161408.2	TRUE

44854.5	44639.4	59569.7	58344	60509.9	51122.4	55975.2	67106.1	TRUE
51116.2	55443.3	28079.8	45903.8	51401.4	49908.5	70212.3	55996.6	TRUE
79995.3	66218.2	83430.1	68836.1	138148.8	101910.9	77911	98055.1	TRUE
30520.1	29095.1	41313.7	40634.6	43867.2	15350.6	39666.9	42679	TRUE
58337.5	47178.1	44349.8	58610.1	47905.7	72219.5	57604.9	52895.8	TRUE
92799.9	78527.6	81048.3	76163.6	62713.4	103776.2	76329.9	86869.4	TRUE
267223.1	146143.2	203047	214380.5	251954.4	332787.8	235052.8	312885.2	TRUE
121890.1	65089.9	87644.1	98560.5	145032.9	135130.3	119493.2	145684.1	TRUE
34150.9	23515.5	12128.2	39903.3	48209.8	25619.6	37244.9	43728.1	TRUE
2177660	1871380	2107568	2455785	2362420	1907896	1983492	2159098	TRUE
204109.3	180604.3	166672.6	210179.8	232194.4	195623.5	231032.4	224581	TRUE
137723.3	125074.6	122196.3	133616.3	127606.3	137170.3	124741.7	137487.9	TRUE
93758.6	65627.5	118737.7	90806.9	101602.7	92955.5	85297.8	96846.8	TRUE
110770.2	143862.8	196934.7	93588.3	91984.1	120575.9	100699.2	101799.5	TRUE
67811.7	164050.7	111161.9	200149.3	194896	65403.6	54756.5	50468	TRUE
72881.4	106860.4	90559.5	116469.9	123141.3	51244.5	39880.2	54840.1	TRUE
450614.2	408605.9	408009.8	459152.2	433399.7	479627.3	441323.4	500872.4	TRUE
14259049	14669452	12168650	13496146	12856663	14145373	14444827	14935029	TRUE
958929.7	1015798	838083.7	900756.5	868874.4	1009570	1028419	1122052	TRUE
339819.6	320366.6	325409.9	383153.7	369836	427223.3	375579.1	381573.2	TRUE
606114.1	546516.1	582374.4	578115.9	536550.4	603571.3	562957.8	608987.7	TRUE
4513357	5661147	1931923	6137456	8512486	2054415	5908460	8884114	TRUE
217205.7	262646.7	117483	282192.6	388126.1	145954.7	293714.4	446070.3	TRUE
280685.6	442146.1	354458.5	356350.8	246982.3	365376.3	457109.2	333212.4	TRUE
915657.6	1506409	1125835	1221342	538165.2	1236763	1545803	1126885	TRUE
79038	112385.9	63433.7	86471.1	123801	55141.8	122225.9	130394.3	TRUE
53896.7	44065.4	41273.2	42984.7	80638.2	29237.1	63565.7	66261.6	TRUE
79601.4	99638.9	39401.7	99609.7	139656.6	62363.5	113299.8	159721.5	TRUE
53420.7	54031.9	30177.8	72500.5	101826.1	33251.2	105032.3	125369.3	TRUE
181373.1	289627.7	192591.6	172050.4	87658.5	184899.9	266651.8	182793.9	TRUE
39688.2	58560.4	49302.1	64000.5	31410.1	56900.8	75860.9	63873.8	TRUE
156180.5	156915.4	70357.7	308457.6	154223.2	98504.5	209791.4	203667.8	TRUE
98338.6	108921.3	41601.6	98301.6	155426.5	54100.4	122131.7	165605.9	TRUE
261047.9	251055.6	201608.7	441806.1	392182.9	228063.7	313288.4	357899.5	TRUE
150021.4	116223.2	135406.3	257596.4	204183.8	149637.6	163124.1	241535.1	TRUE
53725	74314	39745	79454.1	107555.7	41499.7	78642.6	104603.3	TRUE
46915.3	65481.5	49742.9	66279.8	79732.1	52887.4	63083.3	90642.9	TRUE
239985.8	232483.1	208419	220133.5	171895.4	494848.7	288032.8	470754.2	TRUE
230226.9	276826.9	221724.3	259773.7	137173	251230.8	368433.8	256607.8	TRUE
382803.6	406205.8	322370.1	381003.3	273623.4	615223.6	438601.2	726471.9	TRUE

55694.5	84991.8	66311.3	85351.3	32230.4	51880.8	102009.5	68856.4	TRUE
1275982	2281064	1500650	1978343	588909.6	1430721	2396982	1488245	TRUE
32824	43152.7	44354.4	35482.5	31393.9	42950.1	43635.6	21108.3	TRUE
117730.8	147615	55824	119186.1	168707.2	57203.3	188200	200949.1	TRUE
49366.8	50224.2	31325.3	56093.7	71431.3	37912.7	59317.2	68686.7	TRUE
24768	65009.6	27744.3	81959.1	36302.2	23427.2	32351.7	29682	TRUE
272895.4	361166.2	288336.6	342834.1	148907.1	267508.8	500930.9	326006.5	TRUE
18651.4	34522.4	8975.4	12929.5	4465.7	22090.1	34374.9	24498.6	TRUE
98081.6	162215.8	101585	130755.4	66946.1	119513.8	142310.6	104631.5	TRUE
17763.8	17936.1	10315.8	27619.5	25714.6	31518.4	31805.9	29552.5	TRUE
630081.2	696130.5	407428.8	566078.1	577803.6	400357.8	688831.4	562039.4	TRUE
809290.7	754273.1	449220.1	663300.6	672708.1	401252.7	749954.3	679382.3	TRUE
236913.2	385600.7	263934.5	470270.1	350260.1	254100.8	345657.7	306615.4	TRUE
35265.9	56106.8	41780.9	56747.6	54872	23418.6	26437.4	24796.9	TRUE
328914	372763.3	249785.9	314639	321383.7	252819.4	328494.6	306546.7	TRUE
119426	117229.3	100445.2	111086.9	119759	93527.9	136851	102343.3	TRUE
98937.5	86587.1	85344.3	68564.7	106243.3	75450.9	96581.4	101070.8	TRUE
32344.9	103653.5	65606.7	73247	95775.7	22583.7	20586	19928.2	TRUE
288338.1	282925.5	379088.5	367300.9	327594.1	309265.8	320019.4	296485.1	TRUE
237781.5	229665	252303	294127.1	219215.3	257071.6	266299.4	245833.1	TRUE
27823.4	51147.1	59837.9	75186.7	51263.8	3423.5	51980	26854.1	TRUE
43521.2	33334	37616.9	43022.1	33486.7	61889.3	34664.6	43414.4	TRUE
46716.9	52656.2	71847	63596.9	63697.1	46028.2	45000.4	47817.9	TRUE
35390.8	53822.8	55908.1	39257.6	57593.6	51236.7	45934.5	45749.3	TRUE
29773.6	24909	23207.1	23653.9	24924.6	37814.3	33834.6	11690.3	TRUE
75678.8	71858.1	62243.1	86406.4	68655.9	116509.4	84026.6	90990.6	TRUE
26141.9	7456	9376.6	15254.1	8713.9	30383.4	17448.1	42923.6	TRUE
33097.6	38083.8	39656.8	39034.5	25845.3	44751.5	45796.1	36773.3	TRUE
76510.8	58399.8	63685.9	60425.9	67936.5	65443.8	81056.9	64523.3	TRUE
93676.9	93034.5	69378.8	72872.9	72065.2	105641.8	95606.6	103560.2	TRUE
36497.9	26185.8	42747.8	38545.7	31466.2	42570.9	43230	31548	TRUE
155210.1	182277.1	299583.9	159674.3	186406.5	202519.5	148416	182146.4	TRUE
76352.2	81703.8	111857.8	59246.7	68775.4	73994.4	55502.4	64528.8	TRUE
69663.7	76351.6	77283.6	90442.5	72212.7	63924.2	60101.3	76376.2	TRUE
250591.8	166552.4	219038.6	239028.7	166998.1	257508	206030.8	285098.1	TRUE
56353	45118.9	47777.3	36969.6	52429.7	48302.6	69818	69105.9	TRUE
55653.3	50861.2	52295.6	63519.3	70795.3	63843	70945	71154	TRUE
369419.2	423451.6	352616.6	350579.5	429206.1	332908.8	429263.1	399364.8	TRUE
398052.1	443334.3	338033.3	398942.7	490896.5	322491.6	543031	454269.9	TRUE
176682.3	200601	142447.2	195997.8	178499.8	156063.4	211738.3	212657.1	TRUE
200294.1	215003.8	186196	200566.8	207798.3	189292.9	195550.3	188133.7	TRUE
161210.1	183187.1	143531	201819.9	209391.6	147952.3	174937.3	160897.7	TRUE
182897.6	157175.3	167500.8	165068.8	187626.7	144027	204753.4	216323.4	TRUE
68407.5	69379.6	49414.3	68921.3	49526.4	57494.6	66519.5	65728.3	TRUE
70827.5	111649.1	65214	118768.3	125366.8	53312.7	57444	64975.4	TRUE

56434.6	63120.4	45233.3	49673.6	72484.6	57037.1	74641.4	74911.9	TRUE
472790	446663.7	545325.7	641286.5	406640.2	450459	555092.2	445983.9	TRUE
636045.9	720664.2	888402.3	853257.5	544523.7	581442.1	761237.8	558411	TRUE
230842.8	196943.6	214436.7	286512.9	325160.2	179253.9	207434	184939.6	TRUE
65344.9	122847.2	95059.9	126819.8	89407.4	68617.1	62601.3	38144.2	TRUE
40553.6	69798.4	53133.5	68808.8	56811.7	36690.5	36151.3	32354	TRUE
110632	108714.8	118192.6	136731.9	106521.6	119244	83569.3	95029.4	TRUE
119312.4	113721	113126.9	104823	107759.4	115644	86146	130249.5	TRUE
244794.9	261302.7	156642.7	236357.4	248661.5	189446	284209.6	259191.8	TRUE
362861.8	394840.9	224796.8	290081.6	401792.8	241886.3	393440.5	380235.4	TRUE
57830	59958	58823	57745.4	67889.2	50250.2	77472.5	66126.9	TRUE
980225.3	1164839	614245	848902.9	1091228	686156.1	1103706	1094799	TRUE
211385.6	243104.1	200987.3	331454.9	377301.1	245566	373145.4	333947.7	TRUE
304736.4	306643.4	250615	427143.4	513943.2	317913.1	521639.3	450249.1	TRUE
25638.2	40939.5	24571.2	16646.4	39010.7	22822.5	42767.5	37799	TRUE
94274.6	103894.4	112546.7	113989.8	118271.1	89176.9	85186	102922.6	TRUE
77505.9	105694.3	52640.8	103468.7	86452.4	64935.9	92941.9	87832.3	TRUE
56098.7	69206.6	34106.4	61518.4	61952.8	50544.4	66619.5	83714.3	TRUE
49111.4	83344.9	48875.8	66369.2	111444	32359.2	34583.5	33332	TRUE
58189.9	63438.2	51488.5	57804.8	58838.9	55702.8	62592.4	77178.4	TRUE
208930.9	218701.4	344352.6	341087.7	219699	279784.9	280174	250062.3	TRUE
109835.5	125877	131440.2	170756	101486	138284.4	179792.6	116177.5	TRUE
21588.8	25749.7	23017.7	37613.7	26452.1	11289.4	9399.8	8796.9	TRUE
102617.9	65750.5	85022.7	89958.9	75804.9	120393.9	87623.2	102697.3	TRUE
20988954	21093411	18735213	20864013	18655427	21263702	22405022	20101883	TRUE
37621284	33122190	39748626	40176247	30056578	35208206	35066957	34862018	TRUE
110101	102662.2	84871.5	96896.9	96188.3	99841	131860	117164.9	TRUE
98312.9	230293.6	99897.6	145146.7	173986.4	42621.6	47692.8	41180.5	TRUE
846495.7	738314.2	948193	949387	687033.9	784339.2	792528.4	744774.1	TRUE
91904.8	108165.2	77870.7	77650.5	89524.8	77277.2	112811.5	81601.7	TRUE
208316.8	222715.8	116081.6	144540.2	183710.4	127825.6	207868	194332.3	TRUE
129919.3	114275.7	124677.5	125242	99413.6	138494.9	120965.8	137776.8	TRUE
39810.3	42138.6	64508	46303	56287.1	52346.5	43131.1	48063.1	TRUE
63304.6	45565	59073.5	84151	45504.9	58567.8	47628.5	57084.5	TRUE
125477.2	169239	97613.5	125931.6	179934.2	113676.8	151392.4	164451.1	TRUE
570826.8	661430.2	448593.1	506242.5	598579.7	443410.8	666849.6	593535	TRUE
144274.1	156266	107425.7	117432.6	132139.2	104122.7	133167.3	129126	TRUE
650261.8	580980.6	720033.3	753249.6	416204	506310.6	583205.4	479614.4	TRUE
57231	41514.5	42116.1	50439.5	52128.9	44463.5	39920.6	63852.9	TRUE
198810.1	150242.7	154536.6	172246	165617.7	191431.7	161237.7	168344.3	TRUE

53786.6	47352.2	33707.2	46348.3	56304.5	28965.1	45580	65526.9	TRUE
15168.3	19287.8	5428.4	7973.2	8870.1	6240.7	19169.5	4635.4	TRUE
48137.4	41969.3	59581.5	57697.9	50205.9	50109.2	61603.8	53215.6	TRUE
43562.7	38526.4	41188.8	60626.6	58816.9	44403.7	59548.4	53750	TRUE
30137.5	24816.1	43155.3	56164.4	55237.8	36371.2	37025.3	53599.3	TRUE
30566.7	25603.6	32492.1	29979	42886.6	31321.5	33364	43393.8	TRUE
32101.6	54280.8	34273.7	78626.3	86415.3	4456.9	5341.3	6969.7	TRUE
18389.8	18335.9	5503.2	7597.7	15635	7585.9	12795.3	9481.2	TRUE
37299	36693.1	31913.1	26485.6	31075.5	34464.4	35420.9	41384.8	TRUE
91202.1	63410.8	71669.8	73141	83980.1	71928.5	79131.9	67923.1	TRUE
53516.6	43220.5	54952.7	45566.5	59688.7	53966.8	53319.8	52843.7	TRUE
53034.8	52647.7	42421	46319.8	58038.9	68380.5	50536.2	55931.1	TRUE
35985.8	32371.6	36477.1	9476.4	33169.9	33892.1	37373.9	33168.5	TRUE
322624	237061.6	255156.1	319695.7	273976.6	249104.6	274683.9	289414.5	TRUE
625280.5	576396.4	635247.4	677020.2	613227.6	631067.1	655705	612405.4	TRUE
149631.8	126667.9	134801.6	146274.9	143323.6	118833.7	136955	132316.1	TRUE
728712.5	573856.5	629297.7	724605.4	736866.2	699326.8	675036.2	641675.6	TRUE
26458.7	70497.3	47105.4	64344.3	101957	23277.5	7912.4	14772.5	TRUE
302921.9	253941.4	320786	286841.3	324722.3	335332	314259	314208	TRUE
489043.4	539297.7	458469.3	486887.4	502939.5	573578	492519.4	544216.7	TRUE
44367.1	91379.8	61317.5	108993.7	97299.7	47870.7	12964.8	31821.7	TRUE
229673.8	324296.6	108664.9	393893.1	454561	138143.4	412904.8	441897.3	TRUE
398512.5	456377.9	349204.1	467276.3	523793.7	355432.5	498423.7	477066.7	TRUE
151732.4	242509.1	150650.3	191545.5	98742.5	207953.6	197130.8	197523.8	TRUE
133076.2	148469.6	119687.9	114870.7	128496.6	130066.5	137985.3	135801.7	TRUE
98379.4	196320.6	132644.8	169119.3	64150.8	172623.3	181259.1	174416.4	TRUE
1034245	1179885	1097078	1282080	766957.8	1264423	1204211	1226285	TRUE
80569.7	98937.6	113172.1	108818.4	80180.3	109642	145710.7	131979.3	TRUE
468985.8	482283.2	556800	625798	443370	569423.3	553697.2	518913.6	TRUE
409021.2	352849.3	392471.6	403620.5	435570.6	399261.2	334463.6	357200.7	TRUE
747656.8	810835.6	867601.2	760350.1	803533.2	670328.5	797364.3	746120	TRUE
687709.5	588398	702010.4	665002.9	625199.9	719005.2	669104.6	670024	TRUE
1272154	1164153	997675.7	1908610	1243680	1308719	1272949	1405742	TRUE
87235.4	50343.7	48842.9	56187.2	38263.6	93377.8	56056.3	55097.7	TRUE
53991.8	54447.8	40158.6	67322	59209.8	53637.1	54542.1	61373.7	TRUE
340911.4	297786.8	431682.5	509815.5	434162.9	404667.2	419901.2	457899.7	TRUE
52863.4	103317.5	117415.2	116037.5	139159.7	47118	43055.1	50109.5	TRUE
134480.5	135282.3	150423.4	170891	119266.3	213369.9	163486.3	192682.2	TRUE
109886.3	103586.3	90470.2	111636	110317.9	145571.5	129897.2	117394.2	TRUE
102863.6	85210.4	86385.6	97730.9	103422.8	79402.7	101284.4	88173.7	TRUE
985083.2	1010483	708187.6	875555.3	1042381	836597.7	1094850	957226.3	TRUE

411619.6	423471.6	228580.1	278545.5	262988.9	295587	264482.2	283810.3	TRUE
456246.1	459554.6	350499.4	406339.8	429616.8	392471.9	485921.8	464261.4	TRUE
1021668	819705	1156579	1084400	876321.3	951630.2	898307.2	884468.6	TRUE
946802.8	839648.3	1102397	1104074	862856.6	904893.1	942239.1	895500.7	TRUE
29947.8	27104	15770.4	27883.5	20751.7	23284.5	28364.9	33243.6	TRUE
105828.8	119763.5	60783.9	183908.8	76295.7	77410.9	105623.2	85460.6	TRUE
73413.8	66431.3	61158.4	43672	49322.5	63841.8	50144	51600.9	TRUE
154136.1	158549.4	155111.3	105769.6	160605.4	137398.6	144953.1	132751.9	TRUE
419850.6	423742.9	424571.7	364192.9	335480.2	379912.7	397837.5	381096.6	TRUE
1599762	1344457	1687131	1747005	1551397	1560316	1370387	1489598	TRUE
433217.4	380253.7	368963.8	396694.5	358641.9	410073.1	427813.2	346353.9	TRUE
205114.6	194283.2	207408.7	206079.2	200422	184449.7	232027	194564.2	TRUE
27729.9	67880	46675.2	38144.5	46340.2	19240.8	11476.5	7912.1	TRUE
887610.8	1025870	739797.2	834538.1	909849.3	740642.7	1024285	936080.4	TRUE
463820.1	426331	569578.5	554890.1	408687.9	436312	431627.4	431067.2	TRUE
237097.4	229499.5	145833.3	169187.8	168436	158156.1	234473.9	204611.4	TRUE
195195.7	228274.6	165140.9	155892.5	230278.3	215279.7	270719.3	205786.1	TRUE
91924.4	121942.2	79868.9	90681.8	109700.3	108556.8	114665.4	96046.7	TRUE
65387.6	67301.4	76907.1	79286.2	131585.6	105271.7	113676.6	91086.6	TRUE
900302.3	864939.4	954343.2	1116603	806757.7	748045.1	955678.3	730268.1	TRUE
40668.9	55422.8	53234.8	75454.9	49023.7	44883.3	60362.3	46957.2	TRUE
105134.5	98273.8	79890.1	71783.1	85034.7	75362.2	92093	79972.5	TRUE
222890	244195.6	174639.4	141072.8	166010.4	180406.5	190614.2	150756.4	TRUE
135682.7	170636.4	60619.8	131112	111940	81382.5	120670.5	102656.6	TRUE
41261.7	39442.8	35749	34193.5	48419.6	31785.8	41921.3	50356.6	TRUE
241286.6	289968.4	224462.9	259857.8	286261.4	229027.8	311031	280823.7	TRUE
323569.8	340246.8	251698.2	319294.9	360202	303563	453104.5	375629.3	TRUE
77110.8	88699.8	89971.2	83724.6	75041.6	117487.6	65365.4	79851.5	TRUE
121161.8	119182.6	143621.2	147442.2	117398.2	140442.8	134724.9	145837.9	TRUE
590184.5	499763.1	591918.7	614989.9	524915.4	490601.8	535237	516374	TRUE
247824.3	229803.3	285425.7	295564.1	198353.8	242230.1	250994.3	229614	TRUE
39798.6	28140	37198.8	40298.7	29060.6	42435.1	37844	44285.8	TRUE
77877.4	125031.3	100590.7	156222.2	112816.5	53460.5	70818.8	51624.2	TRUE
476542.2	413090.9	435729.1	528234.3	378524.6	422715.9	516090.7	367731.3	TRUE
4694744	4501192	4115431	4314568	3900993	4279458	4722994	3896233	TRUE
413149.5	422091.2	344027.5	424347.9	351363.8	387193.6	428789.4	377649.2	TRUE
173503.6	136572.3	129711.7	152225.1	159233.3	175087.1	177830.8	166296.3	TRUE
101668.8	78911.8	68427	80856.9	81250.1	106023.9	90044.3	100907.7	TRUE

29011.7	50887	37452.6	58240	53851.7	16283.6	5442.7	25579.6	TRUE
471815.9	369346	482767.5	452409	430329.8	489543.3	373009.9	482071.4	TRUE
2858607	2239921	2437536	2562684	2538427	2702429	2365551	2858079	TRUE
986469.4	745339.7	857721	833336.2	940024.7	880299.4	809180	972854.2	TRUE
524785.2	491478.3	456534.4	476908.8	519666.9	514779.9	547637.7	520686.3	TRUE
728867.8	567746.8	834445.7	883278.5	763550.5	865585.6	717311	806553.2	TRUE
2059498	1602730	2378709	2517114	2285422	2588123	1994741	2485909	TRUE
82418.2	62682.1	45939.6	108540.9	64161.5	70209.1	99884.3	79612.4	TRUE
134399.2	98307.6	103731	127523.2	93041.2	104167.3	138402.8	122051.4	TRUE
173164.6	123301.5	89249.2	226845.1	164335.9	137676.4	202634.2	226023.7	TRUE
313783.7	239519.4	235131.3	266966.1	217368.7	308799.8	261800.6	369049.5	TRUE
329221.8	273104.6	295742.7	272459.1	246888.6	371560.8	354906.9	386136.2	TRUE
42406	50384.1	29457.5	47869	40750.7	44953.8	43366.3	45463.7	TRUE
57690.1	55585.3	39635	58222.3	59543.5	51216.5	69682	50488.1	TRUE
181734.4	163531.3	129179.6	179354.3	210382.3	197709.1	258672.6	287126.6	TRUE
151242.4	141455.6	109310.6	136930.8	173785.6	178412.3	181094.8	245560.1	TRUE
269062.5	271755.2	258662.8	273824	258612.3	294782.2	358376.4	416930.3	TRUE
407027.8	432713.6	275346.3	328676.8	327294.9	251205.8	347437	307808.7	TRUE
45608.8	89488.3	63247.5	56270	68945.9	35655.4	36324.4	38769.9	TRUE
1773396	1548157	1794254	1737126	1530452	1810844	1737783	1739617	TRUE
56494.4	55175.6	59534.8	67933.2	47372	66831	65095.7	53912.2	TRUE
50285.3	50302.7	42617.2	51530	49312.8	51272.6	60119.4	54129.3	TRUE
9935.5	21810.6	6013.7	23112	5358.8	21207.4	34249	19556.8	TRUE
244475.5	248761.4	204164.7	380135.8	243603.6	226069.4	287433.6	256306.5	TRUE
35774.6	40208.6	30978	25586.6	53102.3	15401.4	9504.7	21181.7	TRUE
5031.9	10534.2	13404.9	31420.9	7955.1	8814.4	8622.6	5692.7	TRUE
508631.7	494277.4	511629.7	385376.8	607746.3	557540.2	586703.4	593245.4	TRUE
222479.3	264938.3	264981.1	248474.7	241989.2	182398.8	258770.5	186897.6	TRUE
1014790	1226698	1004360	1043243	1061911	866981.4	1324341	863376.4	TRUE
160395.4	215087.1	183388.7	194777.1	94709.9	212362.1	231678.3	195957.5	TRUE
141081.7	227702.4	228721.8	195079.8	90857.7	220962.8	232640	239002.8	TRUE
16415	9390.3	8592.4	7030.9	3179.3	9593.7	10246.5	8953.3	TRUE
44879.9	34089.5	40896.5	47522.6	58537.4	38508.4	34415.9	41296.5	TRUE
86119.5	74075.2	67381.8	76118.1	78387.9	83460	83839.3	81687.5	TRUE
73233.5	63528.3	55769.5	80650	72917.9	58099.9	71909.8	58443.7	TRUE
116853.3	99316.3	96449.8	113389.2	110832.9	139837.1	104647.5	135484.2	TRUE
64099.9	61184.4	58489.2	68435.2	70681.2	63288.6	97767.6	98840.5	TRUE
243343.6	226023.3	238456.7	238680.7	216351.1	277751.7	282036.9	251074.3	TRUE
373649.4	297772.9	338901.5	386473.5	291769.7	362336.9	431544.9	375122.5	TRUE

449900.2	356529.9	327695.5	380822.1	404641.7	345318.7	383686.5	427512.9	TRUE
136857.5	137999.7	100997.5	96030.1	110525.2	101918.7	130277.6	120413.8	TRUE
51630.6	41761.5	32383.8	51221.9	47736.3	37925.5	44086	36355.9	TRUE
52783.5	38921.4	28210.2	45892.2	45861	28195.7	45155.4	36665.1	TRUE
452010.4	424724.5	270877.7	327020	357418.1	289174.7	326375.2	336196.7	TRUE
1590915	1448114	1500765	2053664	1842058	1556403	1814941	1773643	TRUE
167306.5	158599.8	159134.8	158872.6	161097.3	139843.6	113045.9	134702.6	TRUE
39645.3	31771.6	24924.7	37503.4	31814.4	22563.5	34021.7	43244.1	TRUE
126861.7	73973.1	154007.9	152417.1	172239.6	143324.1	111055.3	137345.8	TRUE
799574.9	827472.9	745659.5	746265	813183.8	791175.5	891144	803049.9	TRUE
456506.1	420392.2	323342.9	325870.8	480443.2	512263.9	603118.6	487782	TRUE
3289033	2369244	3410683	3269393	2906559	3549638	2168956	3019572	TRUE
2429015	2261125	1869514	1914855	2699274	2486468	2319815	2397508	TRUE
709453	717316.8	536568.4	619156.6	830030	743574.3	710998	797509	TRUE
599112.2	521821	481108.1	621379.2	547859.8	515136.5	442876.6	527232.5	TRUE
132349.7	86938.7	117076.3	115772.5	106865.9	150607.6	117891.3	135318.3	TRUE
148049.7	153691.9	162627	98313.3	167951.6	123925.4	177066.7	113319.3	TRUE
232106.5	215657.5	160127.9	296678.8	345623.4	162645.1	242764.8	309710	TRUE
23057	32019	17785.5	35618.8	33500.1	16061.4	36834.4	37055.8	TRUE
24527.3	21645	12257.7	27079.5	29922.7	16059.6	22664.1	31806.3	TRUE
55895.5	46139.8	49719.1	46453.2	61437.9	43777.4	55533.9	64676.8	TRUE
23553.3	35469	25201.1	32361.2	15266.9	43690	35998.9	27170.8	TRUE
264537.3	318235.2	273743.4	269230	156907.7	348114.7	370977.7	313576.3	TRUE
27585.4	34432.4	29852.2	10355.4	21152.6	29569	40134.7	38536.3	TRUE
146227.5	139124.4	121055.9	117779.8	127374.9	169747.8	163913.4	171142.5	TRUE
98017.5	86838.1	92094.3	102688.7	112169.8	105312.9	91847	125392.6	TRUE
36518.9	28914.4	47495.9	32536.9	37649.7	38580.1	26550.1	35528.2	TRUE
82044.1	136912.6	117218.1	90198.8	129181.3	90547.3	85968	73583.7	TRUE
103532.4	133002.5	90705.9	149842.1	143384.7	80249	102603.1	96539.7	TRUE
410858.8	324342.7	434296.2	434827.5	476893.8	462553.8	306644.7	456353.2	TRUE
205686.9	270464	149721.6	169718.7	222353.3	224469.8	289702.5	268017.1	TRUE
45869.4	48087.4	51659.9	37549.7	48894.8	42870.9	53576.5	60993.3	TRUE
109352.7	100283.3	80823.8	115047.6	117816.3	125644.5	95399.8	134216.8	TRUE
65955.8	50257.2	53008.6	68978.3	81157.6	61222.5	53482.7	64126.6	TRUE
166541	150493.4	104487.8	117115.5	136258	178915.2	146179.3	170073	TRUE
17947.9	25802	5851	25388.5	16968.5	29543.5	11450.5	28027.9	TRUE
94912	107825.2	75853	108468.8	117500	128269.1	133686.1	136156	TRUE
165588.9	132915.2	142230.4	114765.5	146220.3	116219	118227.1	124119.3	TRUE
52321	40792.1	74509.1	59179	57106.5	70391.3	51488.8	71208	TRUE

680768.8	725315.4	564549.7	549536.3	774600.2	727916.8	781623.4	730127.6	TRUE
682568.5	762401.1	442852.6	490359.5	747906.6	783581.3	741634.7	753321.2	TRUE
220999.7	221836.5	169736.9	213322.4	217299.9	195338	246939.7	211902.6	TRUE
138861.6	172795	101506.2	119944.9	120737.9	133809	154181.1	144988.7	TRUE
579138.2	646271.5	394070.4	595941	550684.5	444393.1	580863.1	596489.2	TRUE
297443.4	242188	218064.1	276356.4	240550.7	347007.6	328922.6	341896	TRUE
64633.2	54416.5	33570.4	27522.5	53888.4	38344.9	52608.4	57995.4	TRUE
69800.7	78075.9	52920.6	59517.3	77634.2	57464.1	61399.8	66540.1	TRUE
142389.5	115051.8	119199.4	142852.5	155421	116984.1	140105.7	126131.6	TRUE
293439.8	327306.7	294258.5	369684	361868.4	327549.7	315545.2	356055.9	TRUE
256490.5	247932.8	219908	257392.6	278412.3	279735.3	299878.2	278953.7	TRUE
284196.2	302636.4	283644.3	364312.6	337079.6	300537.2	412841	315700.7	TRUE
73085.3	93185.1	84941	108945.9	115176.2	53640.1	54009.9	63707.1	TRUE
2142101	1622556	2305333	2324717	1862130	2029131	1781248	1873376	TRUE
2287201	2015024	2120180	2029612	2184842	2444893	2226988	2483847	TRUE
256624.1	360142.8	251493.3	264750.1	240488.8	206473.5	272274.1	251999.3	TRUE
374922.2	454402.5	329220.6	332577.2	320534.9	311830.4	381601.7	348893.3	TRUE
59280.4	85429.3	68831.8	89996.1	112683.4	65053.1	104594.5	100377.6	TRUE
11751.9	14917.4	11937	14491.4	35273.9	25401.6	15148.9	32021.1	TRUE
240145.1	246997.8	230978.4	253008.3	205875.9	260736.8	225822.9	211391.7	TRUE
401513.4	409347.3	405478.4	349848.9	346906	402184.3	405995	357516.1	TRUE
243628.6	248981.2	211897.9	221067.8	207596.7	233235.5	282029	240440.8	TRUE
480693	467982.6	492602.5	490705.5	462449.4	448017.4	469951.5	438796	TRUE
196738.1	191180.6	191640.8	213082.8	191353.3	207120.2	214730.7	201818.2	TRUE
7741	9212.7	6382.9	7766.4	8605.5	20339.9	14351.5	23681.1	TRUE
55614	77129.3	45391.5	50609.4	77363.8	58144.5	82778.7	82756.9	TRUE
59707.1	85189.1	45171.2	72886.5	66135.2	58074.2	84259.3	79256	TRUE
70215.7	70435.3	39409.8	80606.1	78375.6	51224.3	95045.7	74175.2	TRUE
58977	67984.6	43511.1	62550.4	52645.5	61629.5	77694.5	63915.5	TRUE
118288.2	124162.4	96634.2	177265.3	86454.9	142204.2	158458.9	129543.4	TRUE
48431.5	54478.5	50245.1	50946.6	49081.8	42217.4	64388.2	57017.3	TRUE
70063.7	73655.2	51273.3	58503.4	84638	58669.8	45005	74354	TRUE
76524.9	71760.7	49991.3	71783.4	68381.3	54660.7	83000.2	70348	TRUE
103121.1	44368	58839.1	71894.9	58511.1	78496.6	67435	71524.8	TRUE
20731.3	24144.4	27950.4	34339.3	55705.2	44095.7	34734.7	33704	TRUE
81327.4	100912.6	71383	110356.1	112269.4	95260.5	126668.5	69986.6	TRUE
51005.7	52321.7	43864.7	44568.2	39714.7	53905.4	53318.7	34886.5	TRUE
531503.1	423936	450187.6	460094.5	611631.2	652922.1	432261.5	654802	TRUE
65399	57186.3	64704.5	77977.6	74367.3	50165.6	74158	73194.5	TRUE
1089256	547019.9	1261392	1342239	809553.6	1335701	704150.9	853179.3	TRUE

2285811	1102501	2683538	2933217	1701774	2838400	1318911	1849081	TRUE
973376.6	462686.2	413977.9	406613.4	782996.8	809603.5	515253.6	788339.4	TRUE
48031.6	91659.6	90642.3	59428.9	79966.4	38259.5	33676.1	38440.6	TRUE
364664.7	325548.3	340066.5	257155.6	376424.3	361002.5	344190.8	356416.2	TRUE
70034.6	46623.9	75256.9	54199	71699.1	70564.7	59606	74493.4	TRUE
48459.3	30773.3	38849	39346.7	41628.5	59065	39078	61314.8	TRUE
568808.5	427476.1	642127.6	845956.7	577107.6	776609.9	534762.1	610522.6	TRUE
344898.6	287305.3	424259.1	518182.6	389837.7	484426	300705.5	412867.6	TRUE
183101.2	128624.7	187983.2	228903.7	175259.2	222749.2	166353	190567.6	TRUE
93499.7	87573.4	56119.7	81883.3	112610.7	124572	86292.1	116847.6	TRUE
91750.7	81378.4	55497.7	74534.9	114338.5	120751.2	96581.5	106839.3	TRUE
211392.8	205983.9	172888.6	216753	277808.5	299315.7	226720.5	303313.6	TRUE
313282.3	292043.4	220124.6	262537.8	414199	438878.4	326781	421517.9	TRUE
71371.6	58092.2	80575.8	90565.8	73219.9	82355.9	63667.1	81188.7	TRUE
76733.5	74301	109814.1	111763.8	99488.4	98682.8	90173.6	93760.3	TRUE
260483.6	215960.6	314645.9	342379	285725.9	302276.4	256678	263735.9	TRUE
55858.1	73387.3	73861.6	50180.8	61445.6	58146.5	54721	54508.3	TRUE
56880.6	41765.1	57736	70508.3	46691.6	39809.4	39056.8	32018.4	TRUE
36162.6	41171.2	55279.4	53830.5	53057.2	43338.7	59301.2	33456.6	TRUE
396739.6	364886.9	349453.2	364058	465234.3	512647.3	396396.7	502041	TRUE
995455.7	897385.9	776801.2	775290.1	1174155	1113983	1000322	1074859	TRUE
54577.1	57562.5	24546.7	50055.6	50476.3	60898.6	48270.6	48758	TRUE
85618.6	140356.7	173735.1	121926.2	134532.4	72300	114482	85533.9	TRUE
44740.8	68778.1	59416.5	63112.7	98527.3	41312.9	43181.3	42423	TRUE
77003.8	126395.3	101643.7	102996.6	144886.7	71859.5	74464.4	74639.7	TRUE
247893.4	179884.5	192754.9	202447	256455	265587.7	196859.1	272729.2	TRUE
271663.6	214773.1	211411	336491	208100.9	195933.8	183910.4	170636.8	TRUE
649874.4	434851.6	476466	581017.1	632704.2	619412.2	462792.3	672735.9	TRUE
36474.6	29007.8	25838.1	30288.1	31142.5	30050.6	21208.1	38799.6	TRUE
72487.5	59779.4	59541.8	58853	70692.3	66431.7	51789.8	72902	TRUE
132858.9	113793.8	137006	149217.9	105766.5	171673.6	112760.5	128551.2	TRUE
146766	155044.8	133437.8	143159.1	135669.6	138823.9	121595.2	139147.4	TRUE
32463.7	42653.5	36090.4	39186.3	29293	30344.9	36630	26824.8	TRUE
37548.5	50007.2	65983.9	52477.1	44257.8	35335.9	52937.3	56101.8	TRUE
33307.9	35059	28148.9	49268.8	46454.1	38696.7	31602.6	38605.6	TRUE
36723.7	61654.1	48102.9	51567.6	51573.9	61119.4	33920.7	58972.8	TRUE
39041.9	53631.4	92409.7	48420.7	46842.5	38042.8	48705.4	56314.9	TRUE
6109.6	6021.8	7368.2	8181.1	6279	9849.8	9703.9	9774.8	TRUE
45959.7	37075.2	29672.1	54681.9	36242.3	34745.7	40113.8	44308.3	TRUE
194161.2	179382.9	172762.4	173208.1	142964.4	158084.1	206520.6	143321.3	TRUE

80068	46130.5	71010.6	100964.1	86219.7	82591.3	47318.9	96281.6	TRUE
253866.7	159448.9	239947.8	292304.5	245577.8	252208.9	158310.6	301737.7	TRUE
20761805	14347319	21987839	21746841	22075302	21257302	15419051	21675326	TRUE
194041.6	186926.7	180267.2	191724.4	140446.9	231872.5	178989.4	134010	TRUE
19327.1	21296.7	25976.2	25787.6	15492.3	24020.8	18277.6	15433	TRUE
510268.6	513569.4	475125	448038.3	370492.3	542898.1	520520.7	437356.4	TRUE
248277.4	207683.8	255846.2	288804.4	214458.1	254491.9	234050.7	227156.8	TRUE
144205.3	171018.5	161102	187244.4	181453.6	186320.2	215569.4	149490.3	TRUE
337009.6	384511.5	451857.1	486685.7	405407.1	517545.4	532474.1	408992.7	TRUE
184915.9	195800	207081.3	189273.1	160683.8	158592.4	147476	142598.8	TRUE
239844.6	228307.6	322976.9	258382.5	259599.9	290563.9	239242.5	266455.2	TRUE
517551.7	521207.7	522676.9	559419.8	456510	516441.4	534779.3	471863.6	TRUE
48885.2	50259.7	62456.2	42377.9	61796	46599.2	51874.7	46695	TRUE
549525.4	396209.6	554518.3	610042.8	590510.7	677528.9	456131.9	574503.9	TRUE
846171.4	831922	765795.7	738990.4	780350.2	714496.8	808524.2	725365	TRUE
586659.2	552476.3	577933.1	580949.4	419881	598842.6	576552.9	430598.2	TRUE
414611.4	456630.3	405595.8	471392.8	312286.8	430284.2	456586.8	307145.3	TRUE
21247.4	6024.4	34441.4	24494.3	19530.9	11538.8	9750.9	23004.6	TRUE
72694.3	68586.7	47971.4	66025.2	53120.2	47970.6	54568.2	62050.1	TRUE
13741.7	12749.5	19595.9	40273.2	22918.3	28561.5	14423.1	45044.5	TRUE
200466.9	182150.3	127406.3	203417.1	211223.1	250348.2	257549.4	257838.4	TRUE
330678.5	172481.9	222301.3	326594.5	263667.1	374343.7	303307.5	372433.7	TRUE
153197.9	100921.4	96281.4	124492.2	135401.5	146189.7	176847.8	193187.7	TRUE
144548.3	168791.8	138969.9	107251.4	185292.8	80046.4	158761.2	145476.1	TRUE
144391	156590.9	133897.7	133024.6	143804.6	134477.4	150457.1	137473.7	TRUE
171600.3	148830.2	178736.1	188656	201549.9	142841.6	193827.4	202461.6	TRUE
349157.7	342486.4	347496.4	335807.6	388861.7	309791	352993.4	410766.3	TRUE
100722.7	122441.2	91011.3	130150.6	109582.4	82068.8	93800.4	87140.8	TRUE
44216.8	65385.9	68736.7	41168.6	50939	33681.5	44052.9	40690.8	TRUE
41809.1	37992.9	52979.5	31762.2	49408.5	51551.9	38484.9	45886.1	TRUE
35351.9	41533.4	25008.1	53089	46376.2	40583.6	49598.3	50052.1	TRUE
60157.5	61712.6	36217.5	55166	96159.9	23521.8	43878.5	66659.9	TRUE
225593.2	198618.3	170294.2	187380.3	211139.7	159046.6	185810.6	221761.3	TRUE
72835.3	63000.7	73503.7	95817.9	81028.3	108087	105759.2	103372.2	TRUE
63236.8	94794.8	35550.5	55232	139425.4	34319.3	81836.3	115903.4	TRUE
63037.9	119094.6	92608.1	113292.8	42669.1	70937.1	123125.8	87065.5	TRUE

67751	48742.5	63096.5	66743.9	57355.4	77795.7	51176.6	50480.3	TRUE
396071.6	341901.1	364483.1	379644.4	435560.2	404671.2	346977.5	389835.6	TRUE
228902.7	118078.8	155098	137474.2	248890	177600.7	128141.5	184919.1	TRUE
158989	148318.8	111919	159779.7	139911.8	132514.3	135572.9	167224.8	TRUE
40147.5	32574.4	27703.6	48597	69201.5	75276.9	54042.2	53351.2	TRUE
192222.6	182464.3	197074.7	270949.7	265462.8	344118.8	277906.8	261404.6	TRUE
185353.4	176104.7	173891.3	198216.8	202814.5	218098.4	236452.7	185907	TRUE
117032.7	115120.9	96037.7	107905.3	111316.5	117513.6	100374.1	114873.7	TRUE
22201.7	32883.4	24443.6	24771.1	36683.3	15095.2	35582.5	32072.1	TRUE
49982.8	42421	69157.7	58098.9	50101.8	67912.3	52358.3	40479.6	TRUE
32913.6	42499.6	35923.7	32049.1	28206.2	25896.5	36601.7	29465.6	TRUE
640975.8	459732.5	602772.1	586040.1	716037.4	647609.6	526921.9	718390.7	TRUE
20761805	14347319	21987839	21746841	22075302	21257302	15419051	21675326	TRUE
391174.8	422814	395369.3	381948.9	326659.6	415314.6	378968	313965.6	TRUE
165159.1	156226.5	235460.9	221770.1	164375.7	226595.7	175150.7	137854	TRUE
327333.7	264630.4	376120.3	321915.7	271687.6	390811.2	298351.8	315244.1	TRUE
340628.4	254806.7	366168.6	395517	351373.1	359374	296705.7	351663.7	TRUE
47239.9	45873.9	46106.2	47674.9	37490	39095.4	48019.3	30668.2	TRUE
76040.2	64927.8	96424.8	77288	77173.4	71152.4	64405.3	77775.3	TRUE
510268.6	513569.4	475125	448038.3	370492.3	542898.1	520520.7	437356.4	TRUE
248277.4	207683.8	255846.2	288804.4	214458.1	254491.9	234050.7	227156.8	TRUE
144205.3	171018.5	161102	187244.4	181453.6	186320.2	215569.4	149490.3	TRUE
337009.6	384511.5	451857.1	486685.7	405407.1	517545.4	532474.1	408992.7	TRUE
184915.9	195800	207081.3	189273.1	160683.8	158592.4	147476	142598.8	TRUE
239844.6	228307.6	322976.9	258382.5	259599.9	290563.9	239242.5	266455.2	TRUE
116285.2	97362.6	120245	124850.4	117087.4	134256.7	117888.5	145267.1	TRUE
599951.3	588677.2	430053.7	482776.5	478349.4	452881.1	507253.7	491654.5	TRUE
341603.7	330291.6	369707	395680.1	338526.3	393592.6	342783.4	308590.7	TRUE
161799	177906	169855.2	170021.5	157890.9	162968.5	192707.4	155955.7	TRUE
46037.6	59193.6	29632.5	35151.6	51777.5	35401.4	60029.4	43529.3	TRUE
61669.2	69633.5	169233.9	53528.9	74936.9	66127	89818.8	61637.5	TRUE
2731088	2256391	2441366	2519721	2627554	2536931	2090035	2519132	TRUE
2249326	1829517	1873429	2001110	2114790	2091493	1687916	2158209	TRUE
112124.4	99335.3	132868.2	144262.9	115733.2	146920.1	121666.3	126890.9	TRUE
395030.8	313655.1	451222.5	510343.5	476019.9	481886.7	400437.1	412660.3	TRUE
117479.7	106595.4	111619.5	115590.1	105234.6	119443.1	120708.9	107037.2	TRUE
96032.4	80245.7	114857.6	112606.1	83498.2	123436.5	78039	104587.3	TRUE
8049.7	20094.1	24843	25702.7	26458.7	7079.8	24111.6	11503	TRUE
20731.3	24144.4	27950.4	34339.3	55705.2	44095.7	34734.7	33704	TRUE
81327.4	100912.6	71383	110356.1	112269.4	95260.5	126668.5	69986.6	TRUE

51005.7	52321.7	43864.7	44568.2	39714.7	53905.4	53318.7	34886.5	TRUE
531503.1	423936	450187.6	460094.5	611631.2	652922.1	432261.5	654802	TRUE
65399	57186.3	64704.5	77977.6	74367.3	50165.6	74158	73194.5	TRUE
233613.6	105344.9	271291.8	221260.4	185673	304693.8	146962.2	160935.8	TRUE
211989	166073.9	223653.3	214567.3	185605.8	236038.4	152062.4	194995	TRUE
332197.4	253982.9	384318.1	316972.4	300855.9	408525.8	307657.6	319095	TRUE
56274.5	87992.7	39183.1	45202	67649.7	62323.9	59780.5	63858	TRUE
2069378	1617477	2135698	2355941	1849862	2235272	1842518	1921386	TRUE
2291734	1902540	1827204	1820606	2318655	2728518	1962025	2566211	TRUE
531147.7	449199.3	553577.6	537656.5	594315.4	600422.8	504390.6	631472.1	TRUE
364664.7	325548.3	340066.5	257155.6	376424.3	361002.5	344190.8	356416.2	TRUE
70034.6	46623.9	75256.9	54199	71699.1	70564.7	59606	74493.4	TRUE
48459.3	30773.3	38849	39346.7	41628.5	59065	39078	61314.8	TRUE
220708.4	266087.4	404862.4	215894.1	195596.8	242499.6	183280.9	195174.5	TRUE
29138.6	9763.9	22565.1	5165.3	17783.4	42365.4	12649.9	15324.1	TRUE
71551.3	60622.3	60485	57565.1	59339.6	80103.8	74531.7	84802.2	TRUE
180178.9	180888.9	173241.6	170969.3	185538.3	223798	209886.6	207311.1	TRUE
568808.5	427476.1	642127.6	845956.7	577107.6	776609.9	534762.1	610522.6	TRUE
344898.6	287305.3	424259.1	518182.6	389837.7	484426	300705.5	412867.6	TRUE
183101.2	128624.7	187983.2	228903.7	175259.2	222749.2	166353	190567.6	TRUE
93499.7	87573.4	56119.7	81883.3	112610.7	124572	86292.1	116847.6	TRUE
91750.7	81378.4	55497.7	74534.9	114338.5	120751.2	96581.5	106839.3	TRUE
211392.8	205983.9	172888.6	216753	277808.5	299315.7	226720.5	303313.6	TRUE
313282.3	292043.4	220124.6	262537.8	414199	438878.4	326781	421517.9	TRUE
212872.5	153987.7	215036	252245.1	174078.5	239591.4	168793.8	170929.1	TRUE
37331.7	35680	31740.1	45058.8	38434.3	53105.1	35946.4	45636	TRUE
923033.1	758174.1	914467.3	1243132	938715.4	1072844	872048	1013401	TRUE
1105866	976276.8	910548.7	934984.9	1301833	1423872	1154666	1405929	TRUE
1137116	1032970	964643.6	980663.6	1440459	1488265	1161435	1476138	TRUE
44838.3	70098.8	53502.1	62955.7	70236.8	51387.4	51159.8	33213.6	TRUE
63726.4	86583.7	45693.3	51728.4	59792.7	52573.4	57017.2	57409.6	TRUE
164988.8	154868.1	171366.9	183184.7	220797.7	158886.8	197140.9	201568.3	TRUE
257996.5	256496.7	242472.3	258051.9	241463.7	261722	246457.9	253630.5	TRUE
679053.2	757162.5	375083.6	578313.4	899440.6	384539.6	805225	909862.7	TRUE
1202681	1435661	376469.9	881844.3	1739472	404365.7	1598753	1756375	TRUE
200893.1	321237.5	97286.5	147301.8	248178.2	85325.2	214595.8	214561.4	TRUE
70565.2	95140.5	59940.5	75882.3	113533.9	43154.7	92693.5	96510.3	TRUE
91742	132979.8	67088.9	76689.3	141760.8	74409.5	133651.1	149640.4	TRUE
370380.6	580470.5	462294.4	511026.3	221988.9	298276.8	530933.6	314181.5	TRUE
43092.9	64755.9	78583.1	63819.8	24487	34273.8	84585.4	48048.6	TRUE
189832.1	199030.5	141188.4	152509.9	225774.1	132316	227112	225657.3	TRUE
146306.9	178001.4	126570.9	154111.2	204764.8	131577	191898.4	216830.6	TRUE
100884	151697	117209.2	112068.4	147282.4	107338.9	148900.1	137459.9	TRUE
111484.8	141251.5	102499.3	94852	145698.3	135123.7	155208.2	145488.9	TRUE
37650.4	84179.6	38539.1	41833.5	106561.7	45220.5	50107.6	38371.3	TRUE
353854.2	450704.8	410081	459553.1	376011.6	287755.4	464777.3	321202.9	TRUE
197912.2	252976.1	252393.9	230840.8	158405	163924	291057.9	163210.9	TRUE
5076.5	23503.6	3088.6	13912.8	23180	4688.7	9910.2	20260.3	TRUE
71645.2	83988.7	48524.2	63546	74716	59646.7	99734.2	85582.7	TRUE

119295	109038	80719.8	115896.4	107136.4	85478.4	112940.3	125857.3	TRUE
68960.3	82714.1	95756.8	72993	42767	48731.9	90542.6	47275.6	TRUE
1078251	1369794	431809.2	927173.8	1728715	523694.3	1490281	1584499	TRUE
359930.4	502521.9	484386.2	559315.7	143045.8	283364.7	562593.7	289152.8	TRUE
163892.2	187886.3	342574.3	142094.7	137277.6	139085.2	228553.1	147199	TRUE
172787.3	182972.3	175342.5	167137.3	159163.7	181970.6	242990	199077.2	TRUE
35947.1	13347.2	33558.5	52168.1	11489.6	13104.8	34398.7	16260.5	TRUE
54173.7	80194.7	19961.9	63623.1	98724	30271.9	81371.6	74125.8	TRUE
65866.5	94479.9	28842.1	50640.3	97817	38451.1	112472.7	85113.3	TRUE
142895.5	183909.2	138058.4	154210.4	84185.6	112166.2	215702.9	125353.9	TRUE
348316	502022.5	449899.8	400318.9	191684.1	293056.6	507472	288501.6	TRUE
397377.3	469652	251686.2	329142.2	509597.6	254795.5	500762.3	556185.8	TRUE
117982.1	98330.6	96734.4	117758.2	76155.7	77530.3	125698.4	77612.2	TRUE
256610.6	271548.6	151327.1	222055.3	269994.8	175204.8	253277.2	256400.1	TRUE
192915.5	223469.9	131308.3	178970.3	189148.1	119597.9	210271.7	175166	TRUE
139310.8	155386.9	120507.3	210754.5	203587.2	133560.4	190044.6	192254.5	TRUE
461063.4	548607.3	393645.3	614321.8	642732.5	410585.2	691016.5	678698.8	TRUE
131126.6	174158.2	183147.6	191397.1	121161.8	171245.3	199918.9	160955.1	TRUE
547189.7	640402.8	756979.8	776012.7	497083.9	695131.1	765763.6	642674.2	TRUE
217458.7	214890.4	247329.1	223959.4	209620.6	227439.1	216889.5	225251.2	TRUE
85068.7	91118	68940.5	115385	83840.8	100022.5	99745.7	88167	TRUE
735243.7	684659.5	677126.7	711112.5	747839.3	680684.5	841615.3	788750.9	TRUE
37356.6	33164.6	27234	29475.1	27945.4	25174.2	23732.2	29948.7	TRUE
59214.5	44910.4	46069.8	52487.1	55627.8	44410	53830.4	46646.5	TRUE
33058.1	39138.6	35985.1	24561.2	32575.4	41199.3	45941.7	48814.3	TRUE
31911.5	34991.1	44949.9	50949.1	36977.3	20438.1	24958.8	49446.3	TRUE
15436.4	33415.3	23872.1	34784.8	32417.7	5526.3	10889.9	8075	TRUE
33370.6	28683.5	34142.2	32919.4	36295.6	18211.6	30747.7	29340.4	TRUE
67458.5	62628.4	49134.7	71493.5	61663.5	53828.3	58059.1	68180.4	TRUE
484095.6	464386.4	333243.7	404638.3	391011.5	343712.5	515264	428569.3	TRUE
74406.4	61683.8	87015.9	103639.6	90950.4	93319.3	96509.1	88899.4	TRUE
60813.7	60689.4	62167.1	75682.2	60684.1	56601.5	63064.2	52263.3	TRUE
1747624	1722297	1130838	1539951	1429625	1240471	1718986	1363326	TRUE

691434.5	518213.9	735060.3	692517.3	577347.9	783047.5	467089.5	594949.3	TRUE
633457.5	449270.1	573094.3	631385.3	472690.8	619218.1	422378.8	497813.2	TRUE
164535.8	125855.8	221077.9	196637.1	179003	214176.9	167256.1	158257.5	TRUE
1068695	842762.7	985618.8	988636.6	1169840	1155955	955222.1	1160975	TRUE
2598598	2170445	2052638	1856017	3095800	2796207	2381496	2846307	TRUE
43217.1	41152.9	50097	54589.1	59753.1	40018.9	39385	42469.4	TRUE
92488.1	128808.4	92951.1	126914.5	127491.7	131884.3	87307.9	98534.1	TRUE
247131.6	186474.5	189000.1	234808.5	192774	271443	232793.6	283953.5	TRUE
190837.5	135260.5	196182.2	216513.4	181546.5	203098.6	181300.4	219271.6	TRUE
704227.8	576694	494615.6	567382.3	704536.7	904042.3	668428.4	800428.1	TRUE
63732.4	60613.9	81372	67394.9	61666.4	83126.6	63991.5	55803.3	TRUE
32669.2	27559.9	25533.9	23321.7	23720.2	24472.4	17426.4	31011.1	TRUE
35927.7	32188.6	34399.3	37679.8	10901.1	33071.2	12930.3	30832.7	TRUE
29983.4	19895	30452.5	39520.6	24972.6	35469.5	20441.2	25355.7	TRUE
60341.9	41774.2	58323.9	92161.8	85277.8	72405.7	68733.1	82192	TRUE
37547.4	25081.9	32234.7	38885.8	41603.5	31407.2	32782.3	35384.7	TRUE
10037.3	10656	24685.2	28850.5	24838.7	24554.5	8898.6	26788.7	TRUE
2719232	2246077	1841658	2166473	3145443	2959432	2356930	3031271	TRUE
333580.2	259968.7	296579.4	353531	305610.9	346106.5	294785.4	267210.4	TRUE
316545.2	316510.5	355559.8	399931.3	324169.6	379044.9	289549.5	341202.9	TRUE
625165	476775.6	616206.6	655401.4	626178.3	651275.9	461352.4	604589	TRUE
32674.1	31577.5	34933.2	9901.1	27280.8	34375.6	27541.2	28157.4	TRUE
33035.3	26248.1	27110.1	44559.8	37550.5	25607.2	31855.6	21006.5	TRUE
22555.6	2852.8	9281.1	5500.5	25302.4	21840.4	7001.1	11758.8	TRUE
34502.2	60857.8	84900.9	60086.9	66132.6	20176.8	20087.2	11539.1	TRUE
268872.6	137040.9	194250.4	187003.1	150017.9	217129.2	106760.3	168878.1	TRUE
396836	277905.8	490451	487262.7	400281.8	477384.8	324720.7	400928.5	TRUE
656646.7	605637.4	484782.7	571018	713560.3	681750.5	615952.7	752868.2	TRUE
31834.8	13829.4	27101	16143.4	10434.8	34477.1	25238.1	14414.9	TRUE
62284.4	49721.4	52547.1	56495.9	54467	74537.2	75806.4	74191.6	TRUE
32921.1	55192.2	28609.1	51142.2	46973.6	53038.7	36831	50122.6	TRUE
39820.5	48723.2	46732.3	70007.5	58387.8	38936	53551.9	75885.3	TRUE
78477	88394.9	66946.9	102660.7	63850.4	100921.5	98339.8	107031.4	TRUE
311835.3	321095.5	322639.3	272033.1	313404.6	286731.1	322735.2	349882.1	TRUE
205485.9	230461.9	125940.9	186970.3	167106.6	149063.1	246429.5	225066.4	TRUE
132879.2	138992.5	127663	146011.6	127397	144360.9	123669.1	124358.4	TRUE
123772.5	96560	64353	94211	120547.9	115448.4	102818.7	125871.9	TRUE

37063.4	35945.9	23555.2	31528.6	43378.3	42190	48964.1	47962.9	TRUE
35394	30882.8	42002.9	34979.6	36754.8	33938	35927.7	38310.7	TRUE
92212.2	87624.3	79633.4	75054.3	91591.3	97885.8	75251.9	100233.1	TRUE
235918.5	165215.7	284527	310342.1	235490.4	303711.4	142261.5	226347.1	TRUE
205580.9	189580.7	224743.9	238996.9	202388.5	246105.8	188488.4	193281	TRUE
84355.9	53309.5	73388.1	72662.3	67609.9	98670.7	76588.1	80423.2	TRUE
255144.6	275574.7	152857.2	190351.2	308810.5	282241.9	230532.1	273413.3	TRUE
214669.9	131534.5	208734.8	239694.6	193133.4	241389.4	128654.8	211553.9	TRUE
120660.4	59866.9	152516.4	150414.7	126520	150283.8	73720.3	105405.3	TRUE
154839.6	133148.2	74678.4	76549.6	189051.3	204739	132002.9	168209.6	TRUE
672044.3	546264.7	539388	512717.3	849323.4	711965.6	598569.1	692123.9	TRUE
52525.8	62389.8	67439.2	58707.2	80961.2	62649.1	61498.7	95936.4	TRUE
299560.3	209379	292097	320966.3	227959.2	239999.3	288150.4	271712	TRUE
49764.2	44554.9	51110	78429.3	35975.9	48542.1	48882.9	53268.3	TRUE
180272.1	232955.4	134056.9	168304.6	206751.5	90679.2	216872.2	186580.6	TRUE
124138.6	147093.7	81690.4	128901	167682	94453.1	159396.9	160815.6	TRUE
36712.3	73828.9	8113.3	34710.1	56736.4	22580.8	50651.8	60428.5	TRUE
40390.4	52539.8	52588.6	48200.6	56176.3	58873.7	64604.3	62328.2	TRUE
179370.2	142865.4	177514.9	192701.5	152676.9	155153.9	180271.1	162306.8	TRUE
443587.8	437485.4	417398.2	383114.8	390788.5	419830.6	433740	425190.9	TRUE
124616.2	137756.6	140649.2	125569.8	125221.8	117670.3	121422.6	119036.8	TRUE
274039.1	279170.3	255444	268037.5	322394.1	223628.9	222000.5	201593.9	TRUE
179568.6	180404.2	153154.5	184074	177177.3	238453.8	220784.6	278390.7	TRUE
477318.1	418501.3	344038.7	455068.3	541690.3	503040.4	447008.1	528126.8	TRUE
152808.4	151038.2	150021.1	190329.3	181260.7	379511.1	186112.9	119160.9	TRUE
71631.8	73918.3	66728.6	59479.1	67549.7	47548.6	61530.6	66127.8	TRUE
38620.3	34480.9	42937	40576.7	35809.4	30110.1	25913.1	29723.4	TRUE
758703.4	678362.7	692300.3	677638	851395.6	753983.6	652595.2	704387.6	TRUE
15740	24118.5	7815.2	19693.8	24435.5	11315.4	26656	16759.3	TRUE
486635.1	470756.2	373348	431931.1	490769.6	429598.3	561815.6	526209.2	TRUE
152201.3	367551.3	294751.1	332047.7	427574	108837.7	87863	103214.4	TRUE
54853.4	106381.7	74839.5	79672	98373.7	30476	41776.4	20135.5	TRUE
98393.2	165282.3	149597.3	174559.9	238123.9	82303.9	64886.4	71302.4	TRUE
153847.9	190221.1	154329.6	158794.4	159539.7	143311	194987.6	204923	TRUE
2449161	3010368	2665833	2887945	1746545	2467281	2923990	2535658	TRUE
23604.2	26523.4	13025.3	15058	26976.2	10821.1	21490.1	24521.8	TRUE
529621.1	460233.1	476057.2	478231.8	562048.4	572313.5	494676	509365.3	TRUE
88502.1	103554.7	116541.5	140080.9	108377	137926.3	104281.7	128961.7	TRUE

77706.2	96870.7	120334.4	206072	60497.2	108243.4	187166.9	119670.4	TRUE
165032.3	127235.6	127537.5	107067.8	164186.8	167060.1	175489.1	180656	TRUE
71210.9	72609.5	83935.6	62629.2	89137.9	105530.5	80469.7	82226.8	TRUE
229643.6	157016.6	220458	210180.6	164502.6	250499.6	192787.1	168391.7	TRUE
315911.4	283276.9	269565.5	280326.2	297439.4	385863.5	304206.8	315537.7	TRUE
290100.9	261648.7	228744.6	242568.9	229314.4	273689.8	276266.5	282617.3	TRUE
119394.6	119691.9	107706.8	160742.6	134830.8	128556.7	130461.1	130669.8	TRUE
38212.7	45253.4	32361.5	34072.2	45225.9	39860	41056.4	42150	TRUE
36211.9	42588.4	50897.5	34539.8	33926.4	38932.8	48627	43423.5	TRUE
91250.5	68148.9	97700	66754.2	118756.1	89806.1	67137.8	124945.8	TRUE
60056.2	45766.3	63860.3	60802.4	83961	61083.2	55654.1	90751.3	TRUE
23844.6	26923.3	22715	37473.1	23693.8	25581.7	31453.2	29753.2	TRUE
43475.6	42887.6	29590.4	46240	48828.8	31153.4	43306.4	40784.6	TRUE
66384.3	100066.2	81660.5	72318.6	98217.8	59778.4	44330.3	60354.1	TRUE
235098.8	211787.4	219829.1	220332.5	198020.9	228806	215385.7	172936.4	TRUE
230009.2	201450.2	216758	261105.2	207480.9	237560.5	208755.5	212128.1	TRUE
37609.7	29100.7	27313.7	30508.7	31114.4	36590.5	29377.7	48141.5	TRUE
231769.7	300390.7	248875.8	348997.5	185550.1	278080.3	249589.3	174941.5	TRUE
582031.7	628957	625432.5	663533.3	591292.8	623315.6	648755.4	528935.8	TRUE
605363.5	528417.5	545940	528307	533676.5	559125.3	529288.7	559851.1	TRUE
792358.7	819397.8	750487.4	760103.1	718373.7	774311.7	688467.3	780302.9	TRUE
189269	173076.4	169542.2	176553.1	202917.9	177766.8	175844.2	200975.2	TRUE
3942844	3159329	2876079	4309285	4046269	3313319	3308524	4223087	TRUE
198842.1	206994.9	159537	178793.9	168826.7	229189.1	197159.8	211264.2	TRUE
522562.2	519368.8	493235.9	470447.7	423667.3	489190.1	479094.9	530890.4	TRUE
366777.6	354235.2	383485.2	404135.4	376868.5	495225.7	441712.6	550858.9	TRUE
75593.7	57691.1	76286.4	75946.2	81067.5	71070.2	75527.3	83223.5	TRUE
25184.5	38654.3	40278.3	28502.3	38934.2	39266.6	49490.5	55059.3	TRUE
498025.9	398226.1	400536	502664	512957.1	446391.1	442189.9	504615.5	TRUE
390023.9	474463.8	399148.5	449266.2	459962.8	405886.5	400438.2	440375.6	TRUE
81460.4	71187.1	79562.5	73935.2	70552.2	69920.5	65608.7	91177	TRUE
514359.5	394271.9	341376	335934.7	359314.5	362699.9	292420.3	350651	TRUE
206324.1	152231.6	224888.9	241372.5	193648.2	229795.1	167645.4	215126.3	TRUE
610749.8	514230.9	675053.7	715280.7	672500.4	703833.7	581026.2	624303.5	TRUE
113745.1	103266.9	152130.7	161918.3	149791.2	129881.5	139551.8	176510.5	TRUE
48423.5	69278	74956.2	73618.4	83134.1	48581.1	51047.3	39255.4	TRUE
207356.5	180690.1	162726.8	183399.3	235063.2	215684.5	185694.2	210764.4	TRUE
488296.3	461064.8	358561.2	405932.3	479417.7	498739	479945.2	536634.2	TRUE

84086.1	56750.8	76141	75540.2	73195.1	75895.4	78878.6	76328.6	TRUE
77534.1	82163.8	80160	79623.4	92652.2	97036.4	82645.4	106185.9	TRUE
190775.8	194753	216076	209114.9	188528.5	221149.2	193005.4	160726	TRUE
108959.5	80301.7	97373.2	132796.4	99922	121209.2	98186.5	103743.8	TRUE
76200.2	58056.8	92593.7	77549.3	79882.2	86998.9	71132.9	78778.1	TRUE
61697.2	51536	41667	76479.3	57616	65609.8	81031.5	77326.5	TRUE
146726	141413	90671.9	159330.7	157029.5	141216.3	141390.2	156636.3	TRUE
349780.6	271134.9	207388.2	246829.2	299811.4	214454.7	245111.2	274054.7	TRUE
240680.4	202287.3	159277.1	165957.8	197770.5	141143.9	164220.2	204928.9	TRUE
102692.8	99963.6	115359.6	111640.7	105040.2	107983.6	107420.2	122080.1	TRUE
63711.2	58641	59438.5	72177	66003	60751.1	60289.5	71820.2	TRUE
20369.4	47114.6	35738.2	35342.7	41877.6	9998.6	15369.1	43000.6	TRUE
128290.1	120737.9	93751.2	133784.4	192771.6	86860.2	179285	172493.4	TRUE
89806.6	87619.7	98619.7	85072.2	103288.3	88895.9	75999.7	110676.7	TRUE
135305.1	129304.4	114136.4	120761.9	137828.7	109584.3	108585.2	120697.7	TRUE
219247.5	238551.4	200667.1	248880.4	257484.5	240060.9	271425.3	270771.8	TRUE
405111.5	412144	351233.2	367099.9	442750.3	364925.9	381346.1	428125.1	TRUE
34331.6	49001.1	37160.6	45204.1	48865.3	32738.8	52566.9	40338.4	TRUE
89760.8	83150.7	65010	76297.6	84283.5	68837	78381.6	96985.1	TRUE
112887.2	124774	124193.6	134214.1	114152.6	106950.6	110623	104787.5	TRUE
231494.5	254157.8	235275.1	260714.8	241067.2	214144.4	256165.1	249427.5	TRUE
249237.3	219781.4	281770.9	264938.8	245111.7	274525.7	262702.8	268621	TRUE
74084.7	61433	52840.8	55826.2	67396.2	57948.8	67836	54468.3	TRUE
476698.3	372142	417493.9	547117.6	508949.5	488674.2	464072.7	493202.6	TRUE
245742.6	225722.9	267279.9	276667.8	266653.5	302135.8	295963	287316.8	TRUE
77982.1	276571.8	156147	98914.1	101810	92616.9	102666	61386.5	TRUE
19278.9	8739.4	27932.2	8875.3	17433	28984.8	10341.9	27523.6	TRUE
21685.5	7815.3	13360.5	9155.5	22135.9	12072.6	8499.7	10789.4	TRUE
118433.2	124843.7	160506.9	108207.7	167176.2	155606.4	135098.2	124312.7	TRUE
518248.9	406661.7	480353.7	561965.1	560552.3	405168.6	417886	441017.6	TRUE
45597.1	32323.8	41023	43917.7	26752.3	64552.2	45107.4	39308	TRUE
129846.2	113810.6	132399.9	141175.8	106543.2	244874.8	188354.4	141838.3	TRUE
75409.3	67783.9	81868.4	73490.2	71440.7	115425.8	91490	74569.2	TRUE
179182	121979.2	163839.5	237264.7	258638.7	178367.2	178641.3	201218.1	TRUE
108484	134463.4	85389.4	158404.9	97330.4	98891.3	91752.2	92953	TRUE
10136.1	6294.5	27923.2	6104	4727	42250.3	10682.5	11620.4	TRUE
17301.3	30070	25338.1	31813.5	18838.4	14754.7	13048.4	7955.4	TRUE
38905.5	35575	40494.5	49665.4	42453.1	60544	46666.7	42930.9	TRUE

104239.9	95101.3	84516.9	101616.6	96814.7	148286.6	142483.9	108287.2	TRUE
64010.6	32364.7	50698	60057.1	95022.3	67996.3	48363.9	43099.3	TRUE
83908.5	90125.5	103888.3	87258.2	69292.7	121522.1	88930	79515.5	TRUE
60357.2	48555.2	76332.2	49067.9	30079.5	82259.1	54382.8	45578.7	TRUE
163485.6	133119.5	203093.9	148043.2	147201.5	213461	162454.9	135266.4	TRUE
173172.3	193034.4	202829.9	188431.8	217840	161087.9	175475.4	178601	TRUE
88211.9	81359.9	93279.8	98526.4	126430.4	78238.3	79378.3	80375.3	TRUE
146606.1	137994.3	141710.2	145970.9	183880.2	126202.9	139619.2	138441.7	TRUE
252012.6	199878.5	262221.5	282134.1	318513.1	217041.6	209404.1	246130	TRUE
134376.3	130941.9	177940.6	125759.4	108902.7	172798.5	124022.1	100863.6	TRUE
316108.3	229086.1	316561.3	281555.4	583614.4	232391.3	221450.5	279653.8	TRUE
227148	218689.2	239938.4	216917	225401.6	239604.8	208260.8	210025.5	TRUE
747267.9	645220.2	705745.1	712354.6	555514.7	751558.6	729531.5	560898.1	TRUE
781523.5	663556.7	686125.4	781741	755202.3	685780.2	643948.3	749754.1	TRUE
371904.6	290001	342677.3	516606.9	361008.6	361850.3	347875.6	365838.7	TRUE
39993.3	14911.5	50564.7	17683.3	7204.5	70335.8	29857.6	30214.9	TRUE
241000	274995.7	368911.1	310782	261606.4	362200.2	323686.7	268558.4	TRUE
256747.6	285451	306147.7	305375.1	280801.3	347003	294168	304139.2	TRUE
289926.8	296384	289637.2	327741.8	357144	302439.4	292440.9	310602.3	TRUE
333748.8	266854.1	361086.2	383492.3	460688	346589.7	328819	352749.4	TRUE
42829.4	11887.9	39175.9	28381.3	37855.6	38553	31623.5	38494.8	TRUE
67137.1	82495.8	63103.8	50195	51076	70197.8	77128.9	68560.2	TRUE
466819.9	423054.2	470155	505902.8	492146.8	433399.5	464109.3	439421.3	TRUE
225785.8	170771.8	206837.1	214542.3	254893	203905.3	201380.3	213331.3	TRUE
189573.3	182787.9	239444.7	173507.2	164409.5	250560	182875	158932.8	TRUE
1321229	1078946	1371735	1308151	1423449	1280961	1140309	1272634	TRUE
97777.2	96623.7	104528.4	102358.1	90756.6	148105.7	99618.6	100595.7	TRUE
55781.9	62916.5	66408.6	81774.8	82242.2	65814.3	69726.2	69421.4	TRUE
70267.1	55633.2	38488.3	58158.7	43599.9	61806.4	62616.9	52549.2	TRUE
68374.9	53473.3	50774.9	62058.5	70909.9	39968.8	59141.4	58314.2	TRUE
17689.5	11666.3	34301.5	22402.3	21011.4	30369.3	26673.2	7051.4	TRUE
93462.1	80575.9	85303.2	79361.1	59916.2	102255.7	87484.1	71974.7	TRUE
106071.7	118958.4	74615.2	107012.1	96346.3	92172.1	135916.1	120061.3	TRUE
997528.4	1060609	514082	764779.7	929188.2	689915.1	1377890	1043857	TRUE
207852.1	243095.1	186528.9	179545.6	217014.7	160490	272605.4	201541.7	TRUE
2274644	3334925	1708682	2170667	2041812	1720496	3388005	2280868	TRUE
1651513	2509390	1008830	1289846	1569417	1025135	2513001	1565810	TRUE
29499.5	34472.6	29689.5	23704.1	26378.6	14243.3	26815.9	9708	TRUE
277384.6	223586	294630.9	360264.6	266724.7	268571.5	246159.6	310440.6	TRUE
141778.5	143638.5	147159.8	184730.6	146977.8	120581	140106.3	156495.3	TRUE
90068.8	128561.2	69732.1	84817.2	101261.2	63561.2	141487.5	85394	TRUE
186592.4	273271.8	140033.5	177945.5	213846.9	133743.3	324663.6	205877	TRUE
342438.2	374535.8	511541.5	455333.8	316978.1	361203.7	376198.3	357404	TRUE
305626.6	293843.4	391109.4	421962.4	248680.3	304342.4	328329.1	308434.8	TRUE
65655.4	45568.2	70005.8	67763.5	43903	55228	49743.5	50974.1	TRUE

117992.7	107293	48537.5	87648.4	104719.6	56063.9	86783.9	78779	TRUE
118494.1	110563.3	82608.1	125053.1	106893.6	123810.4	125521.6	140768.3	TRUE
133959	104694.8	93950.1	116762.6	114463.1	113977.3	142522.2	124181	TRUE
45285.2	46832.2	33057.2	36647.5	31857.8	32279.6	63456.8	39808.5	TRUE
134571.3	117619.6	128524.8	168282.8	137720.5	163740.6	133536.6	148299.1	TRUE
39642.1	34013.1	54961.3	43575.9	33122.5	31441.9	35854.9	27482.1	TRUE
50026.5	60621.1	26946.9	32779.6	34336.1	32705.3	62136.8	36979.8	TRUE
104428.2	134177.6	77930.8	97005.4	94986.5	90971	153931.6	100942.6	TRUE
1562826	2255562	911288.4	1225356	1588768	1024652	2345300	1457151	TRUE
118337.7	66541.7	68574.5	98938.9	56129.5	92980.2	86727.3	77045.3	TRUE
137610.1	114495.3	169582	108096.3	110268.4	182418.7	125229.6	128513.6	TRUE
341325.9	284799.1	599187.7	278183.4	255306.6	562413.8	317564.8	287680.6	TRUE
111353	101574.7	148420.5	108819.9	93912.7	123875.5	119272.4	108320	TRUE
185603.6	241849	211743.6	236301.4	291741.4	162613.2	208028	210031.3	TRUE
48764	44829.7	55974.7	38570	47501	47610.1	32131.8	48309.9	TRUE
32100.1	32285	24944.6	29383.7	11320.7	26630.7	22434.5	20880	TRUE
133108.1	136792.3	247226.1	100234.6	90403.5	251510.5	130752.7	88436.2	TRUE
461663.6	469839.5	550406.2	390678.7	397015.8	540715.8	473779.3	370527	TRUE
160573.5	105027	139921.5	116943.2	243125.6	150847.6	118004.5	121470.3	TRUE
147229.4	167522.7	174441.1	99083.1	114582.1	170579.6	148648.5	107863.3	TRUE
2141859	1776654	3631825	1682311	1280837	3840580	1869657	1424597	TRUE
1721858	1223013	1595332	1487875	2555432	1487035	1260112	1588360	TRUE
1067161	1018724	1672501	951146	727571.1	1695178	1043626	776089.7	TRUE
1521513	1081758	1452609	1360261	2736027	1303245	1057655	1273573	TRUE
123981.8	114415.9	115924.5	115967.4	102836.1	145220.3	128514.9	137016.6	TRUE
50179	45870.9	74072.5	32755.8	28224.2	63716	46054.7	37204.1	TRUE
18530.8	24446.2	40559.6	14081.7	9080.1	43266.9	11957.8	13499.9	TRUE
113185.9	149615.7	161286.4	75594	82111.7	175073.7	118354.8	104468.8	TRUE
1770987	1504059	2864506	1369583	1129130	3053116	1515476	1243995	TRUE
137610.1	114495.3	169582	108096.3	110268.4	182418.7	125229.6	128513.6	TRUE
341325.9	284799.1	599187.7	278183.4	255306.6	562413.8	317564.8	287680.6	TRUE
111353	101574.7	148420.5	108819.9	93912.7	123875.5	119272.4	108320	TRUE
185603.6	241849	211743.6	236301.4	291741.4	162613.2	208028	210031.3	TRUE
48764	44829.7	55974.7	38570	47501	47610.1	32131.8	48309.9	TRUE
32100.1	32285	24944.6	29383.7	11320.7	26630.7	22434.5	20880	TRUE
2141859	1776654	3631825	1682311	1280837	3840580	1869657	1424597	TRUE
1721858	1223013	1595332	1487875	2555432	1487035	1260112	1588360	TRUE
66287.8	72484.4	159754.9	94179.2	67646.2	174253.2	67901.7	70709.7	TRUE
1067161	1018724	1672501	951146	727571.1	1695178	1043626	776089.7	TRUE
1521513	1081758	1452609	1360261	2736027	1303245	1057655	1273573	TRUE
123981.8	114415.9	115924.5	115967.4	102836.1	145220.3	128514.9	137016.6	TRUE
69226.4	45919.6	122244.4	44083.1	51867.5	126871.6	55561.4	50791.3	TRUE
157265.5	140658.1	175698.1	121929.9	106423.1	177555.8	146015	111428.3	TRUE
91625.2	33971.8	176579	89836.7	61062.8	158697.6	71387.3	68804.2	TRUE

205211	152321.8	176399.3	153830.6	318780.3	187370.1	145072.3	190016.8	TRUE
1770987	1504059	2864506	1369583	1129130	3053116	1515476	1243995	TRUE
85764.7	137799	74287.1	111455.2	84363.8	103209.1	120903.7	98614.9	TRUE
106877.3	77716.1	71240.2	107437.7	86518.9	112875.2	120260.7	115171.8	TRUE
54626.7	59392.1	49091	59973.9	41811.1	71000.6	85936.1	66147.4	TRUE
59292.3	72287.3	59777.5	62113.1	60776.2	60448.9	88276.6	72522.5	TRUE
203180.4	197222.6	109769	150940.2	119541.6	138887.9	244729.4	136327.2	TRUE
86808.8	77071.5	51685.8	90267.9	55314.3	86949.3	98533.7	74198.5	TRUE
634199.5	360963.3	651925.2	769858.8	437797.1	544347.8	489852.5	598518.9	TRUE
170233.4	117786	149424.5	207829	127157	178898.8	139592	156678.2	TRUE
258467.7	275485.9	241037.9	247872.7	235874.1	239677.1	297367.1	248840.4	TRUE
46709.1	27976.9	67510.3	64961.9	37598	45927.7	48157.4	52319	TRUE
124778	109105.3	99168.7	85895.6	97006.3	101615.1	102246	103131.7	TRUE
23132	20884	12418.7	25153.9	4162.6	23316.5	28853.7	11370.4	TRUE
208957.3	246387.7	167636.4	195572.9	134332.6	176914.1	248431.2	143749.8	TRUE
339134	196711.8	435665.8	404059.2	235065.2	345446.7	238317.8	332239.3	TRUE
198528.3	258774.5	149543.2	191522	142314.5	140582.4	248215.8	143023.7	TRUE
36999	56705.9	36857.4	40403.2	51614.9	37974.7	47015.7	57160.7	TRUE
41081.7	36014.8	30838.6	37230.5	30532.7	38258.7	35190.6	32423.5	TRUE
169715	160274.2	182443.7	190792.5	167463.7	172802.3	143407.7	163932.4	TRUE
52853.9	62038.7	47301.5	68774.5	45017.1	57577	42285.2	48687.4	TRUE
24539.1	7519.3	13586.2	30434.2	36399.2	11956.1	25025	41863.4	TRUE
47366.8	40417.6	45788.6	45944.2	40085.1	41436.6	45423.4	37505.7	TRUE
435937.9	508079.8	405547	426102.1	447859	499411.1	523352.7	486771.1	TRUE
1513106	1629803	1578511	1473270	1388554	1482576	1704111	1424132	TRUE
99912.2	100769.5	99006.9	99150.6	100637.6	105787.9	98575.9	103505.1	TRUE
119098	122332.5	114577.1	117434.8	159571.8	126821.1	121863.7	132897.3	TRUE
237147.8	253424.7	252013.6	281860.9	233015.7	205334	223371.4	241997.5	TRUE
904204.8	780662.7	776180.5	992838.2	931579.3	848223.2	859292.1	960461.6	TRUE
570342.9	550494.3	559057.8	565657.6	527022.3	694803.6	633373.7	644576.2	TRUE
1295476	1031396	1191829	1331491	1373279	1150958	1189380	1285653	TRUE
813656.4	870848	820916.1	837049.1	828225.8	921961.5	877231	927964.5	TRUE
381123.8	716190.4	378798	423267.8	302605.5	419749.2	441909.1	413545.9	TRUE
54949.2	61005.3	51717.8	67086.4	45960	55358.3	76878.4	57446	TRUE
228928.2	210512.5	225654.4	210924.1	174308.8	228619.7	218016.3	187843.7	TRUE

169353.6	228076.3	180575.2	227449.3	171912.6	172246.8	232759	200290.2	TRUE
303019.9	322175.5	246984.7	289977.9	214442.7	266737.9	322230.7	253029.8	TRUE
265716	223466.5	239737.2	304074.9	276669.6	244544.9	224322.2	250314.7	TRUE
140714.2	184206.7	166305.8	135828.3	162908.8	126135.4	158012.8	149332	TRUE
136950.7	117996.6	136254.6	134479.5	114912.4	138714	130972.8	129614.8	TRUE
377150.6	433823.7	278472.9	422331.6	379116.4	316034.3	503050.8	412835.7	TRUE
196621.1	230892	155301.3	229054.2	190277.1	180758.8	249363.7	220876.5	TRUE
173300.3	156877.7	198172.7	204387.6	151836.4	161360.8	152163.5	184498.3	TRUE
249296.8	238303	290928.8	296889.2	209200.4	242947.6	260603	287481.8	TRUE
45809.3	37319.3	40617.6	31474.1	28176.7	40132.7	29365.3	42705.5	TRUE
354266.3	367731.8	371391	368595.2	382504	384356	437157.2	387275.8	TRUE
17513.1	29079.5	23266.8	11294.3	21566.2	25141.3	27086.3	10912	TRUE
205790	294079	249737.4	295430.8	266619.5	251629.4	313086.1	246419	TRUE
256051	311544.7	224694.6	281789.5	251999.5	256104.3	279829.4	256462.3	TRUE
286479.3	198399.8	210829.2	292074.2	304980.6	261206.1	225011.1	299284.5	TRUE
91534.5	55339.5	74547.8	47648.8	65141.8	51419.8	78646.6	65491.8	TRUE
208603	195521.9	233115.1	227584.9	272967.4	162752.3	234312.7	252446.1	TRUE
325038	301964.4	258217	346399.1	449573.2	242720.9	314082.5	417663.7	TRUE
154504.5	177716	164097.1	153518.5	135576.8	154372	173485.5	158284.7	TRUE
38529	43572	38050.4	54341.2	48444.6	41116.9	52788.7	59662.5	TRUE
650934.9	654064.1	408436.5	579866.3	699564.7	428379.4	601300.8	718393.4	TRUE
95376.8	75721.6	63180	78741.2	87670.4	82077.1	77757.4	84359.9	TRUE
61351.3	66880.2	78604.3	80795.9	65999	56086.8	77087.9	60072.3	TRUE
241825.6	172340.1	149372.1	200674.8	261045.4	179095.5	191560.1	276106.5	TRUE
114200.1	122070.1	83630.2	103921.4	91504	92234	99722.3	95062.9	TRUE
162766.4	134880.5	109616.9	171506.1	230739.3	111764.8	154610.7	218433.8	TRUE
43828.3	44142.9	40912.7	52783.5	43677.6	38071	46159.8	68785.2	TRUE
43977	39827.7	30963.8	56107.5	52021.3	23572.1	47733.9	58201	TRUE
32032.8	44016.4	21722.1	44163.3	50547.7	25498.9	40992.1	49477	TRUE
57750.9	56271.3	28175.9	60463.2	74690.6	34222.8	58165.4	71162.4	TRUE
35025.5	28656	34582	21865.2	21877.1	11165.8	33198.7	11607.8	TRUE
69469.1	81804.7	83068.7	68871.3	84632.7	82987.8	78622.5	98007.6	TRUE
94829.1	104012.2	99544.6	117298.8	114314.6	94649.5	107574	113166.9	TRUE
191998	188106.4	159102.7	193507.1	171141.1	218317.6	205153.9	223123.4	TRUE
49983.3	60238.9	80930.1	58081.6	55531.9	58268	75197	67084.8	TRUE
892319.4	925686.1	848818.6	847476.4	885135.7	898926.3	1075055	895116.9	TRUE
47614.2	153317.4	64427	105290.1	138375.1	34814	21005.2	25053.6	TRUE
47478.5	60920.6	65078.2	88763.9	78045.7	40916.7	28123.3	32651.1	TRUE

87497.5	100767.8	77885.2	121484	95807.1	86978.8	92628.7	92534.9	TRUE
209764.2	207172.3	162023.9	187874.5	234486.4	154599.4	202001.3	216588.3	TRUE
103797.3	99378.9	69989.4	84058.1	108766	78401.9	112755	127653.6	TRUE
130459.3	150934.1	164032.2	135328.7	99024.8	128026	147587.1	131645	TRUE
310607.2	236684.3	239819.3	245394.9	263960.4	293105.7	291705.9	343806.3	TRUE
461516.5	409628.4	1282944	421283	206514.8	1425599	493381.7	262977.1	TRUE
259637	251073.9	739935.8	274575.2	165102.1	748797.9	237292.7	170006.4	TRUE
345361.5	360301.6	345250.7	293375	339240.6	335218.7	400485.1	311658.4	TRUE
322405.4	331647.8	352409.7	265167.6	254798.5	373602.7	348464.9	264042.7	TRUE
148371.4	147857.2	131729.5	106324.9	120314.4	139645.3	146188.4	144063.9	TRUE
285865.2	295556.8	246113.9	255405.5	227985.1	259433.7	320997.5	275159.8	TRUE
159003.4	299914.8	305118.9	213328.7	152547.7	202554	180157.6	123091.6	TRUE
697288.5	714921.8	853291.4	502315.7	456928.6	834010.9	679168.3	524157.6	TRUE
255685.6	211545.7	313833.4	204748.3	208361.9	266807.4	237201.4	194667.4	TRUE
139691.5	136044.8	124809.8	108043.9	100978.9	168217.8	113132.6	106731.7	TRUE
462312.9	399075.6	596259.3	466356.2	599717.2	383013.2	382664.3	409704.1	TRUE
319621.9	309177.6	291501.7	306934.6	246682	331997.7	298681.3	261974	TRUE
214218.8	179377.3	246738.9	257499.4	288690.7	195903.8	226454.8	233251.2	TRUE
53245.7	42697.2	52315	51943.6	47997.5	63303.8	58059.7	47072.5	TRUE
76701	87288.2	88133.6	92970.5	100049.2	116602	93296.1	102500.5	TRUE
97385.9	75122.6	69517.4	103176.2	70509.5	120257.9	104284.6	93591.7	TRUE
155996.7	120599.8	138299	152312.4	147177.8	142031.6	172892.1	191728.8	TRUE
207060.1	266710.6	234575.4	213009.8	234653.3	258941.5	299043.9	227830.2	TRUE
148227.6	88488.7	125718.3	171257.3	296889.8	132034.2	105829.1	123783.2	TRUE
874779.6	547268.3	800057.2	878187.6	1785680	632516.2	542078.6	742184.9	TRUE
286271.5	210941.9	278456.5	291301.6	423940.2	270922.9	221457.4	228878.3	TRUE
26541.2	44762.6	48302.8	51863.9	49966.5	56256.6	26165.6	11644.1	TRUE
126578	115672.6	226649.9	114635.4	96895.4	248816.9	120643.7	115470.6	TRUE
71710.6	64684.2	110425.3	68024.4	60742.3	114206.5	74209.6	66925.9	TRUE
315819.5	270096.4	445503.8	262694.2	223169.1	446170.3	317257.4	213721.1	TRUE
406301.4	440663.1	645803.1	323062.2	341634.5	667488.4	423877.7	356090.8	TRUE
476355.6	496522.7	784762.6	370058.4	409793.7	780374.9	489415.7	405517.1	TRUE
875886.7	681803.1	933336.7	870604	1713183	634763.7	632170.2	654474.2	TRUE
649669.7	470903.2	728428.5	693876.1	1254874	461906.1	495908	455473.6	TRUE
680986.1	694127.6	1094098	516690.4	424049.9	1137373	608920.9	520968.3	TRUE
503859.4	398177.5	480553.7	479439.6	793194.8	472781.9	429530.6	468738.2	TRUE
341371.1	307610.7	490176.7	278319.6	202991.2	527408.9	310347	213285.4	TRUE
119105.3	144697.3	193021.5	181388.6	124171.4	184774.7	158563.3	127034.9	TRUE
1512492	802464.6	1539765	1402317	2903253	1085467	858033.9	1129539	TRUE
24314.5	26024.9	46147.7	31738.7	19695.4	41611.4	27658.9	16108.3	TRUE
26989.9	17224.8	13031.4	4829.9	21509.3	14454	21725.5	20139.4	TRUE
126998.4	128961.2	95079.9	96443.2	143027.4	121068.7	197860	181189.5	TRUE
21025.9	40171.9	25653.6	25321.3	38470.1	28290.8	30487	30270.1	TRUE

46596.6	43028.2	40377.7	49911.7	26803.3	24891.8	41037.8	47844.3	TRUE
66574	77672.4	67659.1	92776.6	65534.2	64818.7	86015.7	93386.3	TRUE
56803.5	81422.3	46149	46309.6	60895.6	34583.4	76759.2	65667	TRUE
148080.5	164258.2	122777.5	99110.2	153449.9	112193.8	189601.8	155541.7	TRUE
142764.2	172413.4	178254.1	167122.7	147568.5	123066.9	153329.1	118708	TRUE
93739.1	126933.8	91236.8	87876	115234.4	78320.8	117250.5	72806	TRUE
97656.7	129034.6	118683.5	167998	161233.3	87128.6	97944.8	67210.1	TRUE
20798.1	12645.1	9380.3	13976.3	26370.8	8395.3	11964.4	21845.8	TRUE
41208.4	37553.6	24758.2	23989.3	41531.1	22151	36328	44164.8	TRUE
102594.4	98264.5	61246.9	74902.4	89135.2	68820.4	105360.1	108487.2	TRUE
389175.8	477858.4	311632.7	289275.1	418794.9	320437.1	444777	389370.4	TRUE
41142.1	39388.7	13355.9	14154.8	29517.3	27282.2	48999.5	37765	TRUE
420511	339326.9	497013.7	473865.5	607569.4	344433.9	378955	385921.3	TRUE
424828.6	440662.8	488147.9	412501.5	284638.1	569712.3	472034.9	302516.6	TRUE
55765.3	27947.9	39984.8	48826.4	46255.7	90143	67865	75480.7	TRUE
32053.5	20159	24086.6	13432.8	37290.7	15179.6	23587.6	14884	TRUE
363442.7	318809.8	495177.4	313762.8	235495.1	553883.9	364259	278344.1	TRUE
56099.4	59360.6	90697.9	53726.5	67114.8	90900.7	76933.5	52670.6	TRUE
67201.5	52014	80057.5	41500	43993.4	76030	71224.7	48311.8	TRUE
140877.9	124734.8	180009.9	157915.9	135810.6	179497	157624.6	142864.3	TRUE
124238.8	135564.3	158148.4	159667.9	128871.6	170127.3	159064.6	139772.8	TRUE
221087	181102.3	224438.9	210766.2	305982.9	207792	191082.8	204764.9	TRUE
363586.8	312307	384910	408936.5	445234.3	377611.5	308113.4	376764.4	TRUE
88357.1	69507.3	71891.3	69475	129895.8	77838.7	70405.9	69077.5	TRUE
67280.8	66302	70207.3	73240.7	97349.7	49112.2	64796.6	65232.5	TRUE
333558.5	317752.2	307656.7	297880.4	343132.1	319885.2	302203.6	337381.4	TRUE
89635.8	66851	73006.4	65812.9	91782.4	85357.8	70440	98717.3	TRUE
47033.1	27365.5	41814.9	57071.9	49069.3	48734.6	53286.6	59923.1	TRUE
57609.5	68135.2	66073.7	32777.2	64367.8	71191.4	74668.3	65357.1	TRUE
65259	42093.7	70362.5	49061.9	57943.9	62156	48871.9	54833.3	TRUE
50337.6	21509.7	61821.2	54063.7	56835.1	66877.2	36770.5	55128.1	TRUE
309092.3	290187	289239.7	312569.5	259057.1	321892.2	253381.9	308287.3	TRUE
92696.7	64351.1	95445.4	82594.6	85924.2	93286.8	80007	93504.5	TRUE
27158.6	21528	43498.1	27924.7	23033.7	33750.2	28042.2	24133.9	TRUE
81260.9	63234.6	72406.9	45431.8	78604.1	66196.1	69317.6	67062.8	TRUE
281837.8	246207.4	314097.3	293768.2	282250.9	302086.5	203482.2	293050.3	TRUE
84065.8	81582.6	67619.4	88313.1	89616.8	68864.5	74949.3	91253.5	TRUE
48767.9	36635.4	45817.4	37093	38640.7	33621.7	37466	30940.7	TRUE
203461.9	201458.1	219483.9	197188	201380.6	200285.8	184186.2	189310.8	TRUE
52106.9	54478.2	70904.4	54882.2	77887.6	61529	67009	52465.6	TRUE
102381.2	89927.9	109666.7	119208.5	126560.7	114581.5	114858.9	133735.7	TRUE
587108.3	600817	622034.8	602720.1	577532.3	633355.7	547045.4	496944	TRUE
2034204	1885966	1923082	2015773	1942377	1965046	1916046	2004843	TRUE
114757.6	121197.7	151226.5	123641	130145.9	151541.4	167117.4	146862.6	TRUE
27956.9	31210.1	25744.9	33829.8	29141	31702.1	29106.8	29589	TRUE

58743.9	106827.4	89365.6	75235.9	97281.4	43670.5	48133.8	54650.1	TRUE
33354.7	36705.8	40517.2	40005.3	37339.6	34827.3	42265.3	36271.1	TRUE
330752.9	317366	295802.7	273553	336781.6	290242	322066.2	313767.2	TRUE
124805.9	147556.1	95579	99896.7	97635.7	110402.7	110111.3	114627.8	TRUE
18154.8	22697.9	4264.1	15164.5	9760.5	11313.9	16040.9	11367.6	TRUE
193062	232549.1	185689.6	214165.5	218571.6	180633.8	256094.7	233666.5	TRUE
278642.8	285326.8	306078.6	282905.9	241582.7	295924.9	298028.3	282915.6	TRUE
299812.2	281545.7	281366.2	299336.2	271030.2	298414.4	273731	312214.7	TRUE
279926	273530.6	284964.1	276314.8	316259.3	270059	286667.2	250894.5	TRUE
206143	199371.3	157768.4	177950	200064.1	183234.9	194098.3	220514.7	TRUE
82490.2	58276.5	74862.1	72241.9	62055.2	65151.8	75717.9	65811.4	TRUE
42612.1	50611	51190.8	50244	46939.9	41392.2	56977	34599.9	TRUE
113085.7	112028.3	126120.6	92389.6	106675.8	97903.1	116506.4	98159.5	TRUE
34384.8	35261.5	26179.6	17800.8	26596.1	54140.1	36093.8	50438	TRUE
638882.6	602631.8	606279.5	677176.1	644598.4	595068.7	640030.2	630024.7	TRUE
44127.5	50201.3	24934	44299.5	44306.4	41025.7	47439.4	44859.4	TRUE
115681.8	158940.2	129924.7	105245.8	92009	124255.6	149415.1	85748.5	TRUE
32818.4	22604.3	38675.8	39567	38614.6	32477.3	32050.9	38719.5	TRUE
84491.2	73128	64952.3	81626.8	63444.4	105790.6	104056.6	60076.5	TRUE
41434.7	48731.3	40890.9	32887.7	24535.3	51198.2	58517.7	29604.4	TRUE
60532	71404.5	90066.8	72488.9	60293.5	86127	89891.4	70616.8	TRUE
82658.5	88180.9	74730.2	53731.1	60104	128778.7	106451.1	80393.8	TRUE
31722.9	30271.1	31695.5	7871.5	26781.1	41797	31053.1	9196.9	TRUE
38600.6	46310.2	44829.4	20252.2	31930.4	46934.8	48153.9	35285	TRUE
275289.8	235722.7	263365.3	234398.1	196165.9	272564.2	277720.7	206437.7	TRUE
243367.1	190886.5	249626.8	242704.1	259106.9	239196.6	187621.3	233445.2	TRUE
338493.8	368336.4	380884.8	387920.5	338051.8	358370.1	384221.1	338473.3	TRUE
42598.6	54202.3	24620.9	49112.7	25656.8	41266.4	40850.5	34017.8	TRUE
174377.4	160311	169696	173830.7	172526.1	170547.6	165465.5	147814.2	TRUE
119561.6	96738.3	143315.1	134033.6	90955.5	148428.1	109190.1	165453.6	TRUE
49321.7	57461.3	48282.9	44922.6	50631.6	46420.1	43248.5	44346.1	TRUE
39111.3	38677	60919.2	51277.2	37237.7	46386.9	38967.4	28376.4	TRUE
97685.1	93715.1	86858.5	82417.3	94393.9	91364.1	108374.7	91671	TRUE
103544.9	97469.3	110727.4	140524.2	99037.9	120371.2	128687.7	106674.2	TRUE
186010.2	200355.9	175050.9	187421.5	170212.8	181234.5	184863.3	182920.2	TRUE
89833.3	80845.8	60451.5	33683.5	76581.8	106945.9	129235.2	91814	TRUE
46889.7	50927.1	42552	47244.3	40358.7	57744.6	81408.5	48898.4	TRUE
69009.1	113477.4	67355.6	48874.4	67509.7	127154	130546.3	98201.4	TRUE

28128.9	29553.9	20646.9	25108.5	29744.7	29532.9	56301.6	37912.6	TRUE
130378.4	161724.3	87718.4	84172.4	105993.1	165507.8	212266.3	130036.7	TRUE
115015.5	90449.8	72962.8	99178.2	98855.5	114791.5	163319.5	119359.3	TRUE
89263.9	101107.7	84882.5	75018	77426.7	119622	178640.2	111820	TRUE
10365.5	12073.6	22489.5	11433.8	16734.2	10457.5	10739.4	17334.3	TRUE
40905.7	57919	39022.7	43528.8	39147.2	85428.2	103190.1	59313.4	TRUE
35593.5	22772.8	44628	34924.9	31289.1	11777.6	24544.8	15075.3	TRUE
23335.5	42482.4	57588.5	63281.4	60020.5	9287.8	21938.9	22041.2	TRUE
11920044	17192597	9693068	7586223	10299798	10642569	17717471	10201898	TRUE
667978.7	401306.3	335429.5	287787.8	299945	320102.6	482767.1	271511	TRUE
109039.2	343934.3	178890.7	195878.1	306828.3	73221.8	60358.3	65779.8	TRUE
462204.8	988075.5	972654.8	1663599	1087728	447619.6	307152.4	424622.9	TRUE
322647.6	282692.9	290718.8	327859.1	284268.9	388183.3	379871.4	379558	TRUE
119520.9	153927.1	106827.4	110422.1	93481.7	117805.7	168165.7	94888.9	TRUE
278086.1	330541.4	260190.8	179334.7	178249.5	265936.7	348404.3	225433.3	TRUE
605045.9	793622.9	549671	329722.3	380646.1	591212.8	822356.6	389246.7	TRUE
39644.2	127722.1	55614.5	65287.2	65424.2	14481.3	12897.7	8172.8	TRUE
59599.9	47179.5	87084.8	87999.6	67137.6	35291.4	36455.2	43365	TRUE
171045.2	122300.4	257160.3	276431.4	184490.6	113008	133062.3	152234.5	TRUE
42726.8	152531.2	63151.3	69574.3	109173.1	38352.1	13218.9	14499.7	TRUE
194032.2	393417	278125.9	199918.6	294549.2	186005.3	165993.4	166369.4	TRUE
86256.9	92874.9	100858.9	89517.5	66026.1	69750.5	86122.7	73513.4	TRUE
2104057	1399130	3015795	3073113	1786951	1300203	1544310	1192178	TRUE
110283.2	103224	120613	83837.3	80676.4	153951.1	145660.2	94078.7	TRUE
96834.7	56438.5	83825.8	102799.4	82860.2	74930.8	78380.6	66365.9	TRUE
159425.6	116856.7	172741.2	190959.5	166083.1	152035.1	139779.9	164026.7	TRUE
21114.4	32785.8	19498	21063	16540.4	22452.2	27420.4	26821.6	TRUE

172592.8	194953.4	154683.5	144640.3	132878.2	157057.3	179271.3	124809.9	TRUE
22043	44264.1	32376.8	9146.1	29595.7	28893.6	16261.8	26624.3	TRUE
175650.6	242637.4	168370.2	95404.6	136780.3	174288.2	222706.7	148676.4	TRUE
36481.5	47724	39229	7597.6	31737.5	28085	52481.5	31666.7	TRUE
192999.3	236128.6	254587.5	192480.4	216211.5	254346.7	317835.5	221007.2	TRUE
70808.5	57637.6	70439.6	72021.9	61638.7	90422.7	72752.4	66073.7	TRUE
427931.1	475421.5	613764.8	444570.2	524945.5	686216.4	971340.2	583774.8	TRUE
78271.3	105957.3	58883.5	65450.9	64705.9	93691	93995.6	78683	TRUE
34663.5	89697.5	45043.6	45297.9	83741.4	28680.2	14194.8	35044.3	TRUE
48007.7	127294.2	124394.9	154622.9	130625.5	39507.2	23941.9	14266.9	TRUE
58344.3	70859.6	72243.6	59053	55813.5	77593.4	75850.2	73535.5	TRUE
75831.7	69228.7	68445	53348.7	76528.9	52202.3	56714.7	64879.5	TRUE
180518.9	158502.7	144956.1	149437.5	121735.7	136618.7	123735.4	132520.5	TRUE
137791.9	109689.5	151440.2	138456.8	158578.8	132078	121693.1	150143.9	TRUE
117922.7	80678.6	104739.3	105278.1	116874.3	89624.6	80944.1	101969	TRUE
355597.5	371355	345694.4	350372.9	381728.7	351114.4	369467.9	426495	TRUE
74750.3	151200	134292.2	175021	224010.5	64759.7	48826.7	62047.9	TRUE
351461	361397.1	344669.8	380013.1	358621.5	381786.1	363559	338691.3	TRUE
131050.5	269487.5	213624.8	325885.1	312910.5	101819.1	129215.7	93498.8	TRUE
211575	206732.9	178731.2	195350.2	247915.9	179731.8	220358.9	259965.7	TRUE
6348168	4307431	3638902	5659238	5214968	6106960	6160826	7641936	TRUE
87821.6	86343.1	81646.8	60801.3	103879.3	93485.2	88386.2	117981.3	TRUE
23642.9	25229.7	5336.1	23952.2	28719	26265.2	22347.8	33710.8	TRUE
19406	24261.5	20589.8	25532.6	41482.2	21660	28989.3	39011.2	TRUE
319685.6	353927	226447.1	323761.6	463423.2	250924.5	314935.5	455084.1	TRUE
204642.3	219872.3	203964.4	207826.6	210972.9	225203.6	224458.2	231825.4	TRUE
537652.4	427237.4	488059.3	529963	585325.3	464375.6	502306.7	512452	TRUE
1373863	1181435	1182944	1315143	1434159	1174872	1199510	1363902	TRUE
343725.8	300615.4	314304.6	304398.1	317216	299105.5	336295.5	298325.6	TRUE
2835245	2706588	2524514	2368831	2509455	2728493	3041256	2983892	TRUE
299169	310373.6	219287.6	354506.8	301266.6	228281.9	277399	300309.7	TRUE
106978.1	78560.9	48691.7	104308.3	69766.3	56394.3	90928	81450.3	TRUE
152167.9	140945.9	138516.4	162165.1	170849.3	150105.8	176728.3	165933	TRUE
252687.3	254522.7	224475.5	189363.3	249301.3	202520.7	216670.1	250034.1	TRUE
398261.1	403843.8	318889.7	328837.4	383775.2	337820.9	356170.9	398426.2	TRUE
286643.9	228228.5	165275.2	125110	228005.1	165211.8	201502.4	247473.4	TRUE
356803.4	330458.2	358617.1	337914	507558	386296.9	342930.1	465430.6	TRUE
477336	402572.8	486923.4	456433.5	702175.3	541474.5	503066.6	634851.4	TRUE
87660.6	135266.5	138075.7	121382.4	127390.6	59456.8	82280.6	78357.1	TRUE
309413	347452.8	336308.9	320432.1	338530.8	240895.6	391424.6	250835.3	TRUE
62455	41194	59730.7	37926.8	49368.6	55316.5	58166.9	49931	TRUE
98097.1	91549.5	110277.3	129503.7	124322.5	108953.5	127986.4	137341.6	TRUE

48070.1	52336.8	63589.9	74391	74860.1	56645.4	63054.4	58358.4	TRUE
32574.2	40578.8	48183.1	40540.6	41445.7	36467	35723.9	31081.1	TRUE
77072.6	112062.7	95762.5	99634.5	105519.7	72419.4	61682.4	64907.5	TRUE
26301.2	21797	24058.4	14263.9	21284.6	9300.6	23367.9	31517.3	TRUE
222624.5	206724.8	169036.5	143853	184467.8	148410.4	161936.1	200167.2	TRUE
42456.2	41410.2	47863.2	41139.2	59577.8	41974.4	51439.8	56574.8	TRUE
212362.3	173870	182171.3	231444.2	224323	193717.4	217350.8	206677.5	TRUE
1802040	1474269	1561389	1894501	2027067	1602135	1820469	1993477	TRUE
112099.4	217015.3	202442.4	218973.4	283093.9	108912	109889.3	97858	TRUE
121615.5	115863.5	117823.8	104245.3	107895.1	106853.1	121299.9	125525.1	TRUE
100649.9	90796.4	109289.3	72939	86442.6	102844.8	91541.5	99847	TRUE
159764.7	170445.8	172903.2	174653.7	148555.5	198915.4	195817.1	178731.3	TRUE
115800.5	126566.3	92673.2	111001.5	93657.3	120479.5	130913.7	119483.6	TRUE
102672.1	96502.6	99282.8	109728.5	98564.7	118809.4	112180.3	111916	TRUE
260227.8	258757.7	220546.9	222612.3	219091.2	290323.3	271130.3	307253.3	TRUE
176208	190542.2	173294	165028.5	147814.5	185310.1	195980.1	179941	TRUE
77750.1	80577.3	77598.4	76340	76922.6	86505.8	81018.4	88714	TRUE
99221.9	101901.7	99080.3	98276.4	77678.9	85454.6	92562.8	103868.4	TRUE
122643.8	155661.1	128826.3	131528.8	128940.1	157851.8	131197.7	145749	TRUE
52887	42061.3	35863.9	56719.2	41581.5	57838	55479.2	48696.8	TRUE
75244.3	90204.2	78032.6	119339.8	101784.5	68572.1	97363.8	98023.7	TRUE
74511.8	87750.4	82936.4	91275.5	107742.4	87610.9	104663	100296.9	TRUE
66439.5	66972	54003.3	66934.8	70425.7	70114.5	86076.8	79331.5	TRUE
76301	84914.2	70436.8	75078.2	79264.9	67100.8	88025.9	70909.3	TRUE
20880.5	11802.7	16592.2	26279.1	22388.2	20366.4	27467.3	26986.8	TRUE
28975	8528.6	9479.9	9207.8	12945.2	10467.3	10665.2	15532.2	TRUE
53299.3	54240.4	60664.6	90550.9	82789.9	72601.5	74842.3	65627.3	TRUE
57571.3	103752.2	83757.3	112136.6	71298	45936	46792.2	47225.2	TRUE
143214.1	124251.2	106640.1	118609.5	117364.4	146843	168083	131921.4	TRUE
311267.5	304423.1	257111.5	355675.9	394431.6	265603.1	311578.4	363879.2	TRUE
394368.4	411149.8	407334.1	432219.8	354272.5	430418	434929.8	415602.4	TRUE

234795	227913.1	210841.2	229354.4	238301.9	214533.7	251609	243487.9	TRUE
263330.5	241303.5	205522.8	236668.3	276244.2	222731.3	339188.6	308614.2	TRUE
227792.7	191423.8	170222.2	224050.6	167303.1	215917.1	235516	244625.9	TRUE
35266.3	42154.9	32249.5	33536.3	47494.8	36978.1	28148.3	49151.5	TRUE
85318.2	71116.8	67478.5	71981.1	76873	73910.6	72295.3	70334.9	TRUE
38530.9	42731.5	23494.1	31101.4	39221.9	22156.8	49411.7	46397.4	TRUE
142558	156702.2	118301.7	125932.2	154436.4	99593.6	170465	172615.1	TRUE
5178	11757.7	7797.4	6656.9	10602.2	9565.3	11112.5	18710.2	TRUE
87301.8	89291.7	71295.4	86711	90003.1	63269.9	102680.6	113629.7	TRUE
21296.3	25687.1	36267.4	35360.2	33983.2	20593.8	32628.1	31184.7	TRUE
108577.1	104993.3	135464.2	141668.1	189782.5	126395.4	193539.2	167843.7	TRUE
48558.1	81801.1	62784.3	86532.3	108238.7	27615.6	26369.5	38352.3	TRUE
376913.8	344285.8	224724.8	217364.2	247520.7	199393.1	228842.1	268264.2	TRUE
352936.2	335531.4	241394.2	254999.6	268255.8	265402.5	274576.6	278478.6	TRUE
227592.1	197494.7	196096.7	252323.8	261552	211391.6	218484.4	255975.1	TRUE
373393.5	364660.1	387119.9	392223.6	392238.8	399046.5	435193.8	387998.6	TRUE
187344.9	207270.5	163457.6	203948.5	202952.4	163690	193993.1	205327.8	TRUE
491440.9	501848.2	497405	518267.4	449211.8	540318.5	513206.1	492236.5	TRUE
437781.1	379382.2	427097.3	443061.9	409922.8	410444.2	437908.2	416236.2	TRUE
20389.5	11311.2	20673.1	6318.7	25317.1	19760.6	16402.4	9216.4	TRUE
62288.5	89093.3	79147.4	59497.5	74577.2	52993	64339.9	62631.5	TRUE
399816.1	412587	357153.2	369891.6	426910.2	378626.4	428130.4	386091.4	TRUE
103987.1	91883.2	65565.9	104945.1	111940.4	82772.9	106192.5	115036.9	TRUE
170410.9	142508.1	168804.7	170555.3	201823.7	136629.3	188384.2	200113.7	TRUE
801226.6	802096.7	559881.9	724383.2	819164.3	600374.7	904963.3	781475.2	TRUE
1749817	1680723	1238187	1561393	1960882	1305743	1877115	1914665	TRUE
41020.9	65378.7	41338.6	56716.7	58523.2	45179.2	61186.4	65178.2	TRUE
21392.2	74894.7	25322.2	44725	84669.2	8023.2	9923.9	9051	TRUE
109918	150991.6	257915.7	97964.7	73364.9	110663.6	82185.1	104256.3	TRUE
94099.6	89609.8	90009.1	89741.3	63382.7	98975.5	71037.7	99422	TRUE
57534.7	59947.4	54894.6	53491.1	77420.7	56916.2	58148.5	79804.9	TRUE
214563	200900.5	102499.2	111905.3	162423.6	90148.7	125202.6	153552.4	TRUE
2708395	2582917	1837960	2624833	2751865	2168377	3144615	3103118	TRUE
616244.8	609938.9	448747.7	565187.2	680786.8	525722.9	720145.4	652961.7	TRUE
190198.2	127208	150367.5	205909.6	203953.8	178655.5	166359.5	192267.5	TRUE
35651.1	97726.3	49442.7	79862.2	103810.8	21811.4	19682.9	19400.8	TRUE
105146.2	172408.8	87531.2	186310.4	199188.1	63669.8	66477.3	70556.5	TRUE
111287.6	238476.2	171164.6	265680.5	210753	105406.1	85983.9	82799	TRUE
202355.3	213134.8	127621.3	215885.7	225848.8	162515.5	253388.6	269650.3	TRUE

146883	152542.9	111293.4	125113.1	158243.8	106132.1	167871	207875	TRUE
56825.3	48587.9	34856.3	46387.1	63424.6	57282.4	61224	85850	TRUE
252015.2	252426.4	259996.4	342454.2	191921.9	241611.4	297972.5	236826.9	TRUE
1018748	964679.6	1122642	1258359	1003051	1083201	1100762	1063033	TRUE
264574.4	266133.2	248861.5	273294.8	280130.9	248540.7	285923.3	300913.5	TRUE
89683.3	75380.1	79780.9	74942.6	76504.9	65038	72395.2	77135	TRUE
218845.5	196667.6	186981.1	255829.7	237017.1	209845.9	255554.6	273062.9	TRUE
220735.7	194480.6	175462.9	234468.1	221440.7	218220.4	226682.5	231561.7	TRUE
43395.7	65763.9	52422.9	62866.1	55810.6	34713.2	35077.2	33532.2	TRUE
57115.9	47778.3	35280.2	55614.4	44599.6	45001.6	45113.8	45794.1	TRUE
258702.2	237609.1	222781	247890.1	315654.5	232164	284248.3	277087	TRUE
653285.5	642485.8	474205.6	634479.4	654029.4	573265.6	743291.8	689323.3	TRUE
74291	74961.1	52909.3	68741.3	86330.4	62106.7	69989.1	70141.4	TRUE
59645.7	60571.7	74656.7	101693	77004.8	67099.8	69438.2	88242.4	TRUE
16391.6	34052.3	26900.6	21791.7	39552.6	6596.6	9953.6	7912.9	TRUE
32250	10278.2	19200.2	9781	28468.5	7248.9	12667.3	23862.8	TRUE
21396.1	21663.9	19379.3	12089.2	25849	16062	28518.9	18982	TRUE
73867.4	96310.3	55252	93007.1	48093.9	71617.7	75627.5	75486.3	TRUE
48998.1	39816	38608.6	42577.7	42187.3	40054	48940.7	58415.1	TRUE
30536.4	34321.1	12351.6	14387.4	8651.5	13212	30578.2	18618	TRUE
167886.6	143633.8	131037.5	146147.2	149338.2	179533.2	158448.7	184495.1	TRUE
35789.2	23136	35531.8	39293.3	19982.8	48859.5	42078.1	32543.7	TRUE
197884.7	168399.7	231304.9	222509	178089	232556.7	221053.7	214538.2	TRUE
18584.9	24183.5	7057.3	13641	9543.1	12846.2	17956	8189.3	TRUE
512683.3	467704.5	431433.4	461609.6	430352.9	569007.8	567378.4	493743.8	TRUE
165758.7	153924.1	114384.7	137569.8	145280.6	155085.3	160611.1	155727	TRUE
78650.3	73400.5	66470.1	89742.5	73802.3	93032.9	99221.5	82181.5	TRUE
121160.4	173726.2	109752.7	166536.8	94319.2	115619.4	156957.3	132894.1	TRUE
206928.6	175155.7	144808.1	174947.9	128455.6	212365.4	197489.1	186329.3	TRUE
165559.6	113216.9	99465	133547.1	121267.8	121891.7	144295.1	137867	TRUE
281605.3	258013.3	281763.3	368789.2	222650.5	284099.8	285515.2	297644.7	TRUE
593064.7	622847.1	741710.5	1038288	719337.5	869075	805272.3	871669.4	TRUE
78821.3	69239.6	40824.9	60403.4	66941.7	85291.5	80285.7	74549.7	TRUE
668736.1	464120.8	406588.6	478190.6	417214.3	501914.6	522043	527065.3	TRUE
166997.7	106057.2	145884.2	185603.9	156950.5	170520.8	164360.6	183710.5	TRUE
551487.6	492280.2	416554.5	441706.9	531876.4	421457.9	502871.3	506273.1	TRUE
286811.6	226917.8	182788.4	274179.9	275985.5	226906.7	223049.5	291446.4	TRUE
941517.3	924005.8	797837.2	968863.2	946759.5	923219.1	1018202	892984.7	TRUE
1373398	1339312	1037546	1240211	1297760	1073824	1505197	1248633	TRUE
774566.9	825049.5	665008.7	730244.2	836944.4	608756	865101.7	807688	TRUE
215441.2	194905.1	183811.6	175834.5	242908.3	175944.2	251898.3	228056.5	TRUE
243511.1	238327.2	296392.1	284011.1	222581.6	293351.1	255534.7	239311.2	TRUE
2221282	1979765	2286688	2326510	1786561	2173502	2056465	1983285	TRUE
319141	321920.3	379048.8	288310.3	292463.7	301966.6	318944.1	300716.1	TRUE
76631.7	94619.2	65669.4	61084.8	78465.2	57514.7	83994.7	75159.1	TRUE
631759.2	708187.7	449154	564628.8	655855.6	484579.2	704779.5	691062.8	TRUE
51303.1	45242.1	64365.3	63832.6	60076.3	54262.5	68934.6	53504	TRUE
257776.5	189190.4	276215.1	293595.4	195190.3	255991.9	197538.4	189228.8	TRUE
308607.1	237501.1	310699.4	312042.6	214471.6	295573.2	233407	245342.5	TRUE
356549.1	257269.4	287839.9	291114.1	420682.4	368036.5	312612.8	351236.4	TRUE

322413.2	244006.6	272278.9	246160.7	323119	321397.7	257574	335157.3	TRUE
116346.3	103546	104579.7	119618.4	93726.5	111548.7	96819.9	88746.7	TRUE
752620.3	661379.8	497343.9	566638	528175.4	567724.9	620276.1	684897.1	TRUE
774289.9	703088.8	545217.4	660992.6	596880.7	621309.7	614069.2	654742.2	TRUE
113202.9	89203.5	88921.7	90695.1	109601.1	119699.4	92431.8	110314.5	TRUE
74548.6	51432.9	47081.4	64575.6	60265.4	84461.8	79220.3	91042.9	TRUE
95004.4	67900.5	67509	80824.9	81595.2	119352.3	121102	116566	TRUE
152510.6	167069.6	106276.7	154736.5	114487.5	87304.4	125769	111062.8	TRUE
109346.9	99062.8	98916.3	200365	127170.4	107114.7	143116.6	139125.6	TRUE
157525.4	121420	178608.7	137781.2	261275.6	171410.1	164762.6	251380.2	TRUE
358972.4	358988.5	399109.8	401275.2	518863.8	417340.3	430560.3	515768.9	TRUE
85088.7	61997.5	58782.4	74886.6	52203.9	151716.2	89971	131862.6	TRUE
145901.5	121713.2	156341.6	150679.8	111704	327661.4	164502.1	292826.7	TRUE
27554.1	36308.7	35443.1	29401.6	28171	27457.4	23476.9	26577.1	TRUE
110093.5	101675.7	63272.4	91193.7	94433.3	82453.6	86926.4	100204.1	TRUE
132244.5	108521.1	102764.6	71767.3	111877.7	90622	92860.8	116270.2	TRUE
175676.5	136760.6	199209.1	188697	268345.3	226427.1	193473.1	263109.7	TRUE
30175.4	33060.5	40035.8	57174.7	45982.9	42472.3	39918.1	48467.4	TRUE
19386.8	41269.2	34010.5	29644.5	47983.7	14145.7	29109.8	26585.5	TRUE
43326.6	49095.4	56408.3	66186.8	54899.1	25270.2	72784.1	43238.6	TRUE
27891	39856.8	33499.1	39899.9	45420	29824.2	44400.8	41004.3	TRUE
117604.4	114382.1	100104.2	75738.1	103134.5	80215.5	89422.5	102719	TRUE
438071.9	346162.7	335458.3	340281.6	331211.8	344501.1	295978.1	285721.5	TRUE
129528.5	129621.8	130655	129787.4	130352	121534.6	130361.3	122122.3	TRUE
65759.5	88962.3	107669.8	70994.2	90140.5	53078.1	59164.9	53978.4	TRUE
66705.1	83172.3	70982.1	142739.8	178581.2	62409.5	68618.4	62606.5	TRUE
2260236	1957128	2226565	2404142	2432481	2536459	2460840	2529814	TRUE
128467	157863	117330.9	302818.8	273911.1	100742.4	110471.8	127406	TRUE
243707.6	229242.6	193974.6	230586.3	290383.6	236966.6	246771	247606.5	TRUE
58614.6	65961.2	44306	50974.8	62708.8	52017.2	63373.3	57205	TRUE
154328.2	127681.5	125340.2	156639.3	137228.5	178249.9	142148.5	166031.6	TRUE
74865.1	45534.5	55792.4	58687.3	43242.4	51540.7	53287.8	71267	TRUE
106665.5	95510.3	70534	114932	79619.2	121642.1	108409.1	128311	TRUE
145988	122052.1	134950.2	147217.5	135948.8	107052	110960.7	126506.5	TRUE
740251.2	685390.3	700996.1	821094.4	793936	709297	687201.4	775511.8	TRUE
803833	637968.5	692052.3	788051.8	854892.4	751748.2	744649.9	832785.2	TRUE
790000.4	708414.2	656224.6	786518.2	817236	741641.8	761662.6	837122.7	TRUE
81368.9	67230.6	70737.7	71422.1	94199.8	71830.3	81679.2	65673.5	TRUE
44718	103228.2	59623.4	145189	162754	89841.9	33133.8	43735.5	TRUE
520482.4	488710.3	417440.2	443435.2	454254.5	526078.9	560520.2	547463.6	TRUE
701265.4	669870.3	687843.5	720474.4	652110.4	677038.5	718666.1	783269.4	TRUE
251051.8	223029.6	233168.9	248623	271585.3	220908.3	284630.6	244604.6	TRUE
414027.6	384519.7	314271.1	416746.9	367979.9	359286.8	408634.3	398341.4	TRUE
274142.7	244892	247124.9	271941.2	253798.4	322346.3	253555.5	282713	TRUE
1047079	959931.8	939460.5	948887.1	1036986	1208561	974976.1	1117708	TRUE
33868.1	34360.8	36487	31132.5	23809.4	32654.1	32930.4	23234.4	TRUE
45472.3	44156.7	41107.2	51810.5	65952.4	38573.2	45789.5	40089.3	TRUE
33951.4	20297.8	26494.2	35460.7	33901.6	36015.4	47694.2	72496.2	TRUE

64955	34348.5	45969.3	42959.2	57660.1	73652.8	76561	44356	TRUE
29223.7	20928.5	25107.4	20341.7	22313.5	23343.4	14139.2	26903.8	TRUE
20761805	14347319	21987839	21746841	22075302	21257302	15419051	21675326	TRUE
61963.3	57307.9	44122.8	56697	53857.5	62277	62617.1	58784.7	TRUE
111800.5	89874.5	83594.5	104287.2	84282	113793.4	118504.1	105437.9	TRUE
29267.2	41058.6	43511	44403.5	25848.4	60609.1	40412.7	41056.1	TRUE
88039.5	93102.8	86168.3	97474.6	108065.7	106925.6	92235.2	108986.4	TRUE
193710.6	154213.2	171557.9	250094.2	215514	271538.6	239468.7	247226.9	TRUE
58531.5	50231	56602.8	54070.1	53039.8	46755.1	63354	55914.3	TRUE
308846.3	266275.4	269657.2	316994.3	301812.6	260333	269223.6	294064.5	TRUE
537885.3	418088.5	530147.1	542941.7	424689.9	572685.9	491712.6	429449.5	TRUE
112061.1	108415.5	119139.5	117974.5	123810.7	123938.1	123114.8	128034.8	TRUE
623046.2	444960.9	521569.2	536657	728230.8	588626.9	447735.2	606293.4	TRUE
1047484	790107.7	1000202	1007783	1112826	1196688	839999.8	1184756	TRUE
510268.6	513569.4	475125	448038.3	370492.3	542898.1	520520.7	437356.4	TRUE
248277.4	207683.8	255846.2	288804.4	214458.1	254491.9	234050.7	227156.8	TRUE
144205.3	171018.5	161102	187244.4	181453.6	186320.2	215569.4	149490.3	TRUE
337009.6	384511.5	451857.1	486685.7	405407.1	517545.4	532474.1	408992.7	TRUE
184915.9	195800	207081.3	189273.1	160683.8	158592.4	147476	142598.8	TRUE
239844.6	228307.6	322976.9	258382.5	259599.9	290563.9	239242.5	266455.2	TRUE
599951.3	588677.2	430053.7	482776.5	478349.4	452881.1	507253.7	491654.5	TRUE
341603.7	330291.6	369707	395680.1	338526.3	393592.6	342783.4	308590.7	TRUE
161799	177906	169855.2	170021.5	157890.9	162968.5	192707.4	155955.7	TRUE
46037.6	59193.6	29632.5	35151.6	51777.5	35401.4	60029.4	43529.3	TRUE
61669.2	69633.5	169233.9	53528.9	74936.9	66127	89818.8	61637.5	TRUE
2731088	2256391	2441366	2519721	2627554	2536931	2090035	2519132	TRUE
2249326	1829517	1873429	2001110	2114790	2091493	1687916	2158209	TRUE
112124.4	99335.3	132868.2	144262.9	115733.2	146920.1	121666.3	126890.9	TRUE
395030.8	313655.1	451222.5	510343.5	476019.9	481886.7	400437.1	412660.3	TRUE
92302.4	71869.8	53732.4	81409	92550.9	104989.8	88484.1	101275	TRUE
199009.8	154918.4	173519.3	198342.5	160769.6	186527.2	203489.8	203329.4	TRUE
561672	565259.5	567683.8	593906.2	551417.4	592296.9	552955.2	530495.7	TRUE
181699.7	217577	183852.7	182473.7	179710.1	204714.4	220893.5	175880.2	TRUE
109924.4	308120	164765.4	270050.8	294937.1	66106.9	51807.6	77320.4	TRUE
565455.7	581705.8	619049.5	625036.4	630987.9	616948.6	595492.3	584231.1	TRUE
451628.6	538921.4	449952.5	596059.9	413185	469184.7	473998.5	426062.4	TRUE

18831.5	12920.7	10509.6	29726.4	32565.2	17533.6	13999.1	29738.4	TRUE
1776093	1749066	1568094	1957400	1827439	1791563	2004932	1894199	TRUE
127606.9	96590.7	113534	126950.6	104623.4	133740	123249.7	130711.3	TRUE
1673422	1560875	1975995	2186656	1989449	2192953	2045474	2103902	TRUE
502143.3	545210.9	560234.9	581996.7	551770.2	579118	540653.9	587399	TRUE
496729.2	451098.9	527837.6	556177.1	572971.2	569096.7	534896.4	542512.6	TRUE
910739	664667.5	920815.4	806121.5	708829.4	960499.3	899791.9	755797.6	TRUE
410609.4	311113.1	393679.9	350770.5	352747.8	395187	410611.6	370254	TRUE
35048	32397	31574.8	52035.9	32647.3	32540.8	15293.1	25512.1	TRUE
25260.8	43304.7	31629.3	49991.9	41334.9	14876.2	7065.3	11169.6	TRUE
102602.2	87972.6	86170.2	103903.2	111275.4	91404.5	81072.3	83028.4	TRUE
91669.4	85397.9	85955.2	67753.1	86368.9	84911.3	78972.8	83619.7	TRUE
338335.4	279798.3	311487.6	300213.1	308396.6	282570.3	297030.2	273643.7	TRUE
112218.5	101383.4	112387.3	94465.8	105817.4	116687.1	98819.4	88575.8	TRUE
688495.2	574273	638419.9	619221	649854.7	571855	666071.9	559753.9	TRUE
64325.5	59640.6	81580.4	99151.2	90932.1	100804.7	97018.9	96327.2	TRUE
320099.2	286499.9	406086	391556.2	360089.3	406824.7	356834.1	379855.6	TRUE
137465.6	136381.4	166156	177968.2	193433.5	190784.8	183659.1	182268.6	TRUE
233104.8	216001.5	240594.8	307695.9	281335	290223.8	258456.1	311833.7	TRUE
187010.5	194948	223626	184035.4	242009.8	219613.4	241151.4	234337.1	TRUE
191998.5	159146.3	215964.3	170679	193049.9	221681.1	203738	208188.9	TRUE
940742.1	963069.7	966095.5	969685	1000468	993304	1012168	960363.1	TRUE
151761.8	130323.6	112821.6	147756.1	131044.5	163582.7	165266.6	142738.7	TRUE
98397.9	123678.5	61046	107334.8	122348.1	64760.1	114178.6	107555.6	TRUE
231004.8	275556.5	194222.1	233707.6	275714.7	151632.3	237415.6	244816.4	TRUE
113748.7	117235.3	60738.1	99505.4	127988.2	70114.3	118765.6	127889.2	TRUE
1650585	1656366	1109041	1417046	1544565	1178021	1600949	1753110	TRUE
169789.8	240700.3	162369.9	261512.3	348687.7	148635.3	313729.6	348819.8	TRUE
525326.1	742620.3	716569.1	756627.9	340348.1	550962	741038.6	589411.2	TRUE
214919.8	201634.3	131408.2	273352.7	230957.6	158895.8	232662.2	270981.3	TRUE
578280.9	589437.6	411506.4	703833.1	674238.4	463353.3	619010.8	664985.7	TRUE
147586.7	168595.5	133216.4	164390.3	176115	137700.1	201024.2	184705.6	TRUE
185514.8	197803.6	159490.4	158519.2	210387.7	176939	213381.1	231862.3	TRUE
575490.1	538469.6	631064.2	612095.2	503131.3	696473.4	578614.5	677727	TRUE
393986.2	387108.3	417963.7	420264.9	302658.8	461038	456506.5	476642.6	TRUE
753363.7	746864.7	587105.7	864820.7	955074	655354.2	973931.6	941873.8	TRUE
487328.1	520496.9	415224.1	529905.2	540286.5	496301.3	679569.5	571114.3	TRUE
86176.1	70159.7	55842.2	76058.8	90764.9	76755.9	84925.3	97331.7	TRUE
147405.2	163752.1	136538.4	145634.5	168462.8	151024.4	186179.4	181541.8	TRUE
156430.7	146250.5	179126.5	176882.5	111371.5	156424.2	128849	156653.5	TRUE
516880.4	460620.4	227341	279401	331642.4	265182.9	328584.9	365923.9	TRUE

983168.8	1001732	698123.2	964537.6	1019049	740821.6	1054812	1042166	TRUE
1937482	1697947	1683150	1787313	1339697	1666780	1681513	1749261	TRUE
208799	178806.9	263034.5	246040	187174.2	222754.5	244661.1	199347.3	TRUE
116040.7	100547.3	88574.5	120067.9	116127.7	78984.8	133882.2	106815.4	TRUE
27369.7	31567.7	20143	31973.8	31594.5	15608.3	24818.8	29619.2	TRUE
16430.2	11622.7	7873	8041.9	10895.2	18192.2	22267.5	20795.8	TRUE
18895.6	9744	9751.3	12178.4	14836.8	6259.8	6858.3	4661.8	TRUE
24692.4	13178.9	8152.2	29501.2	26150.1	9261.7	26900.5	9890.9	TRUE
27775.2	9178.7	10423.7	25904.7	19424.6	7412	30034.4	26197.4	TRUE
103956	97797.2	65151.8	70347.8	84267.5	57732.3	100770.8	80206.2	TRUE
71070.4	58571.3	39253.8	60197.7	61145.9	43852.1	65016.8	62971.4	TRUE
120213.8	132157.8	88863.5	122787.9	147916	85344.8	141545.3	147497.3	TRUE
715015.4	784642.1	340911.3	621197.1	772514.7	353242.2	679815.3	827495.3	TRUE
165842.2	144239.5	64862.9	102216.9	118656.8	130745.4	128899.3	151075.9	TRUE
152840.4	164346.2	109052.1	129317.9	129673.1	157737.5	200604.6	193481.1	TRUE
28364.1	20179	25353.4	25897.6	30243.4	8700.1	21088.1	23364.9	TRUE
244472.3	259699.6	216738.7	234111	283022.4	245243	301380.9	261315.5	TRUE
104326	122184.7	78165.8	109707.8	113028.3	86977.4	125438.9	124325.1	TRUE
708582.8	732576.5	485753.2	600477.8	726796.4	533263.5	812970.5	754128.4	TRUE
371709.1	400330.5	293343.2	378984	409202.4	325995.8	491677.1	451098.6	TRUE
58901.3	48957.3	42811.1	40475.8	38515.5	58676	51646.9	49002.3	TRUE
31243.9	56452.2	30567.9	52377.7	68713.7	17214.2	10835.2	34775.6	TRUE
395947	422659.1	386645.2	340973.2	336591.9	375570.4	396495.2	328074.2	TRUE
608984.7	621152.7	513216.9	507663.5	570783.3	590501.9	635657.8	577314.5	TRUE
52987.9	84147.6	66057.6	56581.8	73708.6	36917.5	47093.9	38743	TRUE
1237730	1063491	990731	1014478	1027199	942425.7	1029374	1043368	TRUE
562628.7	530275.5	570504.2	578977	493762.9	474812.5	552493.4	446230.3	TRUE
1084888	1254027	567700.3	729426.6	824171.2	550088.5	878329.1	864648.1	TRUE
51137.3	36267.3	32408.6	31264.9	37506.6	42458	47135.1	46364.4	TRUE
115891.8	101226	86517.8	88464.4	74094.6	104466.9	118033.2	111400.2	TRUE
126699.3	101754.1	69230.5	100999.4	133678.5	99089.9	181857.2	165873.6	TRUE
86274.6	92172	75490.1	104127.5	96029.2	95032.1	116832	134788.8	TRUE
87507.2	67602.6	53255.8	87166.1	100397.1	81256.3	97721.3	130091.1	TRUE
165322.7	175332.9	167368.5	199708.3	146792.9	172083.6	184348.2	163341.9	TRUE
192505.7	182934.8	167116.1	234294	159211.7	203703.9	195353.9	210064.5	TRUE
89126.5	80905.1	90109.7	113124.6	73304.1	117558.6	121774.7	118846.5	TRUE
25703.4	28210.5	26249.9	31609.6	41230.7	38433.2	41879.9	36452.3	TRUE
129273.9	115890.2	99894.3	96073.5	155105	109110.6	161042.9	136852.8	TRUE
58344.3	58921.8	41238.8	45371.9	72785.3	33256.5	62921.4	65236.3	TRUE
135185	185730.5	113560.1	150594.7	139831.4	124631.6	141131.4	138155.4	TRUE
49877.7	54714.5	40232.5	45414.3	61011.3	37402.9	49970.9	48818	TRUE
258979.3	232007.6	281244.6	239920.6	279554.8	235137	271631.7	232160.3	TRUE
188744.4	123865.2	218773.5	192447.5	149457.6	152276	182556.4	151310.3	TRUE
204047.7	262389.1	199459.4	297451.6	194419.8	199937.2	256887.6	208714.3	TRUE
159212.6	142830.5	108009.2	118315.7	148524.7	131181.2	172058.8	171964.3	TRUE
98621.2	126335.6	75794.6	61763.3	142966.8	73398.4	108876.3	116403.5	TRUE

109426.9	120095.1	78405	90524	167096.4	92214.7	119786.7	122583.5	TRUE
276541.9	292065	222240.5	157616.9	364861.4	197939.4	334055.6	314164.2	TRUE
168811.6	201204.4	146911.3	195749.9	185298.8	148820.7	218976.1	180478.3	TRUE
57865.5	40457.8	70158.6	69828.4	57528.5	39490.1	63071.9	50038.4	TRUE
298481	303711.4	207026.3	238861.8	332663	249289.6	321948.3	346350.2	TRUE
51865.9	62274.2	43680.8	68599.3	77066	57682.2	74381	65757.2	TRUE
26147.4	59557.3	38146.7	56462	60059.4	5383.2	10679.5	12626.8	TRUE
24440.6	7564	30659.9	22715	19983.4	29425	27200.1	34519.6	TRUE
256610.6	271548.6	151327.1	222055.3	269994.8	175204.8	253277.2	256400.1	TRUE
192915.5	223469.9	131308.3	178970.3	189148.1	119597.9	210271.7	175166	TRUE
139310.8	155386.9	120507.3	210754.5	203587.2	133560.4	190044.6	192254.5	TRUE
461063.4	548607.3	393645.3	614321.8	642732.5	410585.2	691016.5	678698.8	TRUE
131126.6	174158.2	183147.6	191397.1	121161.8	171245.3	199918.9	160955.1	TRUE
547189.7	640402.8	756979.8	776012.7	497083.9	695131.1	765763.6	642674.2	TRUE
217458.7	214890.4	247329.1	223959.4	209620.6	227439.1	216889.5	225251.2	TRUE
141353.5	158362.8	112951.9	160006.3	172301.7	112603.4	180955.9	138714.6	TRUE
637074.6	589116.1	448315.5	584448	571284.6	510881.1	798743.7	586215	TRUE
35630.2	31650.3	43443.8	34440.4	35995.5	29976.5	34827.8	34838.4	TRUE
270798.1	277468.2	376250.4	305584.3	247548.5	302058.3	275914.2	278758.3	TRUE
1118395	951513.4	1321392	1273537	903246.6	1179895	1027411	1140736	TRUE
37356.6	33164.6	27234	29475.1	27945.4	25174.2	23732.2	29948.7	TRUE
59214.5	44910.4	46069.8	52487.1	55627.8	44410	53830.4	46646.5	TRUE
21839.1	21259.8	26808.2	19691.5	21439.6	28192.7	23740	19036.1	TRUE
34877.1	25736.7	22328.1	28665.2	40388.7	34058.9	34923.9	39935.5	TRUE
33370.6	28683.5	34142.2	32919.4	36295.6	18211.6	30747.7	29340.4	TRUE
67458.5	62628.4	49134.7	71493.5	61663.5	53828.3	58059.1	68180.4	TRUE
484095.6	464386.4	333243.7	404638.3	391011.5	343712.5	515264	428569.3	TRUE
74406.4	61683.8	87015.9	103639.6	90950.4	93319.3	96509.1	88899.4	TRUE
60813.7	60689.4	62167.1	75682.2	60684.1	56601.5	63064.2	52263.3	TRUE
1747624	1722297	1130838	1539951	1429625	1240471	1718986	1363326	TRUE
626961.3	516089.5	578642.3	643613.3	608355.9	586831.2	587079.2	555227.6	TRUE
424282.9	371021.3	377152.8	429956.9	383609.6	403287.3	373501.4	394065.4	TRUE
171886.2	180548.1	160986.1	306734.3	204504.3	158242.4	238044.9	186066.8	TRUE
48437.8	52041.9	53049	61741.7	57275.1	62822.8	57076.8	59442.3	TRUE
74824.7	55146.4	53191.6	61042.4	98901.5	53876.2	72022.1	64360.3	TRUE
140205.9	135869.7	122113.7	155495.8	120141.1	143114.7	141013.8	136005	TRUE
111931.6	109453.1	101817.9	104334.1	87775.4	113766.1	91734.3	136536.3	TRUE
176553.9	178043.8	197044.4	225202.6	159246.8	223440.4	257599	269091.1	TRUE

186754	140313.4	149282.1	180304.8	132627.3	158422.9	151505.8	172296.6	TRUE
91234.7	75219.5	71850.8	76749.3	98336	85550.1	91542.7	106176.4	TRUE
67871.4	94596.1	63068.9	89895.8	101263.6	49945.4	73357.4	59468.8	TRUE
567003.9	591382.7	541945.3	596342.2	442282.7	549559	599805.7	595084.5	TRUE
234777.1	250502.6	241852.2	235232.3	176534.6	265052.1	260866.1	251578.9	TRUE
222266	218135.4	210077.9	267815.9	240288.2	210568	251064.4	251512	TRUE
490973.6	442908	457760.6	484285.2	510870.5	552638.6	491511.8	534702.8	TRUE
118408	103033.2	124164.4	147431.8	141157.9	119611.6	122272.6	116266.6	TRUE
174224.9	152958.5	158049.2	176674	186205	141366.8	165530	156785.2	TRUE
208502.6	250164.9	216758.2	188722.8	198049.2	211568.2	205630.9	222419.7	TRUE
264538.9	210612.7	252482	264104.1	246745.2	240979.2	249659.5	281874.4	TRUE
53898.4	41013.3	31192.1	37826.2	53521.4	41021.8	52757.2	57036.2	TRUE
101864.8	103828.4	76109.8	103581.2	60919.5	96584.3	97887.4	77082	TRUE
395920.1	363242.7	298704.3	379336.7	318684.3	371134.2	430866.2	434424.9	TRUE
54518.5	51244.6	41086.7	53350.5	48540.3	51665.9	77411.9	63846.4	TRUE
221449.6	236445.8	170958.5	193333.3	269769.8	172706.3	252757.7	233607.5	TRUE
121671	149483	121205.9	141105.6	136249.7	119418.1	153882.3	161160.2	TRUE
25424.2	12476.2	19209.3	16194.7	41789.9	32710.8	27978.5	40510.2	TRUE
111416.6	114262.1	129243.9	181353.6	192053.3	148352.8	170384.7	190596.1	TRUE
35475.6	35720.8	45824.5	36462.2	41160.4	41826	28981.9	31668.6	TRUE
59549.8	57922.5	83404.5	72145.6	56219.2	65260.2	76585.7	57832.2	TRUE
187285.8	199248.6	130877.4	160609.4	157516.1	111258.2	281065.2	126564.4	TRUE
1073903	969640.6	1202608	1210823	923837.7	952174.3	1161508	950235.6	TRUE
399946.7	426735.9	323065.9	409016.6	457132.4	333604.8	468954.1	463231.4	TRUE
23273.6	62595.8	45142.1	52463.6	62241.5	17676.8	10953.6	24646.6	TRUE
95768.3	91264.6	97254.1	88172.3	85157.9	80919.8	102848.6	103805.1	TRUE
57694.7	56801.1	60357.4	75288.6	55843.7	65260.7	96374.8	65876.2	TRUE
158091.5	158137.5	125909.3	165678.2	175303.1	156343.7	163454.2	186687.4	TRUE
42528.8	45721.8	47170.5	60842.2	61260.6	36078.6	44909.5	29997.9	TRUE
108898.6	102866.2	87877.2	116828.8	123708.4	92544.9	108255.8	121549.2	TRUE
124851.7	150637	96639.9	123553.5	141582.2	102345.7	94852.9	123802.1	TRUE
88719.7	89877.6	42621	72410	103725.5	47788.7	94865.6	97419.6	TRUE
177269.6	170350.5	154876.5	164636.1	145289.7	163907.9	190219.2	157915.7	TRUE
463918.1	405134.5	463864.1	428250.5	536888.4	489276.7	429039.9	489959.6	TRUE
439935.2	397106.6	416424.1	412901.4	373052.8	355300.2	434029.3	355755.3	TRUE
14107.6	20275.7	15845.3	33578.5	34382.4	3949.6	8674	8597.2	TRUE
785197.9	826637	584271.2	944755.3	833149.8	659735.5	885465.3	894555.1	TRUE
117995.1	177817.6	98148.7	215289	137444	109484.6	128329.6	133239.1	TRUE
522902.2	569709	602220.1	668707.2	458410.9	497992.1	600612.2	549303.4	TRUE
201043.8	214091	224731.2	310126.7	202619.1	186734.7	229556.4	189044.1	TRUE
48764.1	25296.2	21283.3	26925.5	30884.5	34684.6	33586.9	31871.4	TRUE
66228.3	74395	52461.9	74451.5	85223.3	62789.4	92439.9	78516.9	TRUE
50767.6	36818.5	52737.6	40211.6	55183.3	29075.5	643272.8	66954.7	TRUE
123315.2	139301.2	97404	106280.3	135372.2	83251.3	128502.4	127534.4	TRUE
103027.4	103055.8	98659.4	105144.9	149930.4	79734.2	102912	146379.5	TRUE
1329151	1265344	1160264	1444293	1376560	1171383	1523402	1376600	TRUE

41209.6	44078.1	25429.8	41852	50710.1	37045.6	69618.3	48320.4	TRUE
50753.5	42392.8	30650.5	48177.7	31515.2	43241.7	34344.9	35578.3	TRUE
46563.5	42293.5	29935.7	50881.4	55582.3	45711.7	45819.2	55338.3	TRUE
31684.4	25359.8	25423.1	25707.5	32944.6	39482.5	51186.7	40274.1	TRUE
668247.8	594380.3	646909.7	722668.4	676256.3	719517.7	585218.3	689009.4	TRUE
216430.4	167151.2	245334.4	232227.4	214045.5	241543.4	174667	226778.7	TRUE
100751.1	103751.1	99223	106556.5	115007.8	107251.4	108340.9	101911	TRUE
70220	59619.3	75587.5	75718.8	67889.6	70702	68527.9	79336.3	TRUE
62420.9	49609.8	83711.2	71131.4	61825.3	67385.4	52930.7	68649.3	TRUE
626340.4	598879.4	432182.2	505855.9	670981.9	695605.4	582262.6	660725.2	TRUE
108379.3	95200	88496.3	80256.3	105836.2	102420.4	109895.5	135594.3	TRUE
784546.6	576221.5	562557.2	789544.5	647294.1	629276	538768.6	688858.9	TRUE
335938.8	260913.1	332062.6	408300.3	379971.1	382411.2	303568.7	333872.7	TRUE
305646.9	287526.8	344388.4	384394.1	347992.8	328914.7	281444.1	358730.2	TRUE
33172	33688.7	71052.7	33545.5	29367.8	38998.1	37598.5	47602.3	TRUE
29171.8	28197.8	19466.1	33420.8	26562.1	19074.3	30089.4	31978.5	TRUE
22444.8	25806.8	31633.1	39633.9	37109.3	32489.2	30552.5	40822.5	TRUE
23524.5	19245.5	15128.9	34600.1	24559.6	30726.9	35770.2	29031.4	TRUE
16642	18412.5	10787.6	23438.3	8605.3	16671.6	8651	14798.8	TRUE
32251.4	26207	28193.7	32595.9	27127.9	34916.6	87540.7	37001.4	TRUE
203859.5	171008.9	243790.9	211648.8	242366.7	223291.9	191504.8	241651	TRUE
29950.9	29008.6	29815.7	32902	28133.1	22849.3	26887.1	26797.7	TRUE
431420.7	354191.3	441933	517758	419496.4	423259.2	361762.8	426563.6	TRUE
358259.7	292982.1	343969.9	427490.9	378370.3	366292.1	290899.5	382748.3	TRUE
1821640	1577876	1387646	1300558	1999302	2020659	1644516	2004920	TRUE
107021.4	95774.1	129724.6	157629.4	125705.5	124980.7	107642.5	132212.7	TRUE
262522.3	225581.1	178457.2	208258.5	256006	240354.9	215303.3	250647.5	TRUE
57883.4	37696	40606.9	48116.7	54267.9	64094.7	61861.5	48741.4	TRUE
605758.4	578634.1	563741	555928	553553.1	522675.4	593860.2	575237.2	TRUE
27429.2	35201.6	33572	36810.5	26596.3	22851.7	30335.6	45841.1	TRUE
361247	407455.2	281383.7	396428.7	400811.1	340688.5	413956	408028.5	TRUE
128108.2	105476.7	114952.8	133363.6	124746.5	116517.5	118331.3	126135.1	TRUE
37657.9	31061.6	33496.3	35753.6	36526.2	35442.8	43253	50668	TRUE
508856.4	442681.4	496791.6	618227.1	592431.5	568730.1	590520.7	611503	TRUE
61342.9	41668	64944.6	55677.2	52848.9	77744	56920.6	41073.7	TRUE
98599.6	49428.1	74095.3	104068.2	55682.6	147405.4	85958.9	86771.8	TRUE
74709.5	74074.8	48280.7	91565.8	99332.7	58986.2	111542.2	145639.2	TRUE
125946.6	125633.7	43262.9	144772.2	108704.9	83178.5	156022	147249.2	TRUE
78263.5	48028.8	43421.4	79543.3	64504.8	76613.1	89535.5	95151.5	TRUE

260092.7	224127.6	135376.5	253132.3	251715.2	234102.2	277239	350959.3	TRUE
77742.4	85460.7	70039.5	79537.5	102468.3	72656.4	80546.9	95042.7	TRUE
203484.5	177588.6	171104.3	227377.7	200015.3	224704.6	220665.9	241317	TRUE
146612.5	105535.3	110661	132522.9	95480.5	166088.8	133994.1	131016.9	TRUE
151423.9	126668.1	121814.6	139468.1	120386.4	175944.2	168376.4	188800.1	TRUE
141791.7	125836.2	112655.5	164630.3	116559.3	150613.4	154030.8	154740.7	TRUE
3983736	3939390	3278082	4358531	3775068	3445569	4034021	3687083	TRUE
582409	793534.1	490849	613276.5	593197.6	541723.4	702230.8	599322.5	TRUE
162821.4	167406.1	122637.4	178313.2	174864.2	161778.4	170669.1	172363.1	TRUE
2213896	1832693	2136090	2138073	1992482	2187675	2048648	2061471	TRUE
654693.4	571714.8	672413.1	804921.3	657078.4	821754.2	745423.1	827960.8	TRUE
72365.5	42133.1	39763.6	60213.6	59652.3	65545.2	74239.6	88292.6	TRUE
1066933	894645.2	1008285	1168542	1142674	1058744	1093793	1069446	TRUE
887560	1007822	981342.8	949503.8	937945.1	1088550	986702.6	994067.6	TRUE
39804.4	30192	19718.7	9337.5	36947.7	25580.7	11005.7	44795.7	TRUE
169799.7	196307.7	124055.7	217112.4	307644	121527.1	205409.3	272137.8	TRUE
29310.7	30236.4	40818.8	40445	27052.4	43712.7	24324.7	37723.9	TRUE
193844.3	244150.2	211970.8	214472.3	162909.8	184059.2	226556.6	191439.9	TRUE
379455.5	310489.3	262887.8	420150	345144.5	312481.8	291554.1	339116.4	TRUE
348921.2	355401.5	333529.9	369346	368845.1	333053.9	324746.3	353957.2	TRUE
412064.1	367626.8	375215.8	436242.1	378411.9	382520.4	439020.1	435119.4	TRUE
1182831	1083212	1093349	1099538	1035944	1180480	1103260	1138878	TRUE
54510.7	62812.5	55014.3	53133.9	61644.5	66526.3	65702.7	64327.1	TRUE
176196.5	145579.3	141357.7	253235.7	178990.2	177739.4	181529.8	214623.4	TRUE
114956.2	80453.8	93546.7	89917.6	81955.7	126708.6	95523.2	120637	TRUE
114143.7	86202.6	86504.2	81857.4	134671.7	130123.4	137928.8	170190.5	TRUE
222009.7	181191.3	173433.4	170377.8	234321.7	229377.6	245208.3	318764.6	TRUE
62792.7	36188.2	32086.6	35755.9	52293.9	48003.5	60132.2	73390.6	TRUE
383703.5	421302.3	315724.5	388576.8	343763.7	349579.1	519656.2	372844.1	TRUE
126782.3	110284.1	105623	123559.8	107384.7	127570.2	119648.9	124891.1	TRUE
128169.1	106587.8	152068.6	84672.6	87445.3	98842.2	124268.7	112621.6	TRUE
77676.7	72778.8	74690	96175.2	85817	114761.3	77752.1	74121.4	TRUE
123495	101026.1	107145.5	153153.9	98215.8	277550.2	117181	119840.7	TRUE
70495.5	64188.9	50397.4	61170.6	59144.2	94887.8	74646.8	75234.5	TRUE
232333.1	164423.9	182684.9	205511.1	181556.7	235559.9	224771.1	227489	TRUE
888377.8	650739.1	573346.2	756948.9	831015.7	1068745	880030.5	984179.6	TRUE
44298.5	29603.1	38560.7	39236.1	23097.3	58733.9	38515.8	36722.7	TRUE
725065.1	555473.8	653278.5	661379.3	717058.7	777919.6	543732.2	766578	TRUE
483452.5	402834.5	411962.4	422829.3	455698.8	463436.1	362378.1	468955.3	TRUE
481165.8	404394.1	509998.1	582321.8	447716.9	547155	459308.7	389143.6	TRUE
624047.5	553176.3	536722.7	650868.2	590789.4	631258.9	595251.9	597264.5	TRUE
968402.5	819178.8	958014.1	1033419	817275.1	979102.2	866245.5	902533.9	TRUE
2211365	1637912	2021588	1938827	2154847	2243856	1852482	2279806	TRUE

33358.6	30717.5	34211.6	27322.6	19947.7	14398.4	8151.5	20620.2	TRUE
751944.6	724527.6	642350.5	826555.9	699987.1	616007.1	762146.5	649752.8	TRUE
63108.1	71638.9	70098.2	67339.7	59824.9	61887.4	54913.5	54099.4	TRUE
73426.7	78109.1	81882.8	87303.1	72984.6	102730.9	93218.2	88033.9	TRUE
184660.6	135833.6	180901	224925.7	159550.6	209165.1	188336	231266.5	TRUE
90980.8	76212	64615	57895.5	46155.4	59151.3	52650.5	41796.2	TRUE
159228.5	167283.3	176784	181361.8	142378.3	192938.9	182357.7	171330.8	TRUE
16828.3	20141	16118.8	20271.6	17439.1	20863.4	10309.2	8701.1	TRUE
40293.4	43967.9	37692.5	44500.9	39522.9	48076	40166.6	31474.1	TRUE
1216942	466860.7	1208355	549923.2	580491.6	665102.4	596175	486283	TRUE
734272.9	486126.7	742473.4	623796.3	524177.4	645385.6	467475.1	454517.9	TRUE
6778898	4306826	6735843	6668960	13928585	4313892	4373268	4847077	TRUE
641290.9	530869.5	1142919	399383.8	393545.7	1155896	618809.5	382513.2	TRUE
376868.7	357740.9	745980.1	248763.5	203326.9	736301.6	350289.5	256895.8	TRUE
207591	234073.8	225148.2	174898.9	170628	252549.2	209476.5	169757.1	TRUE
57483.1	81992.2	153579.3	71798.8	66674.9	169993.2	102320.6	68294.9	TRUE
101905.1	61222.4	140243.5	93078.3	198641.3	98598.6	87522.7	103508.9	TRUE
25049.9	22574.6	23224.5	10138.6	27476.3	21416.2	20070.1	26047.6	TRUE
66637.4	47264.3	107848.5	42844.2	33901.1	106933.9	66393.4	43311.4	TRUE
692777.8	633984.1	1420848	518041.1	502564.6	1412525	759542.2	603788.1	TRUE
488689.5	345960.1	526892.6	519326.2	911366.5	377772.3	388452.8	411652.9	TRUE
92304.8	98545.3	154947.4	72480.9	48481.8	148121.6	90151.3	56640.3	TRUE
156223.7	142911.9	249136.5	165830.2	118151.7	296198.3	166701	128669.5	TRUE
103741.3	114608	176972.3	109004.5	65383.7	234908.8	107417.6	75848.9	TRUE
57442.6	52919	106553.3	52786.4	46951.4	79847.3	58472.6	69452.7	TRUE
140964.8	100027.4	126635.6	150281.4	201453.9	82586.1	85047.1	79804.5	TRUE
106140.4	160188.2	92840	120930.8	136764.3	84938.9	151779.3	131429.2	TRUE
444654.4	508383.1	502780.1	398075.1	441654.5	501546.8	590237.4	483179.5	TRUE
115229.3	144442.1	181222.8	177073.2	203758.7	149650.2	177615.9	182153.3	TRUE
336584.8	318427.6	343491.8	393647.1	410934.2	452525	341403.3	433494.2	TRUE
133661	151779.7	188215.5	188853.7	136060	142330	161644.5	169511	TRUE
458919.2	456245.3	851991.1	407769.1	300620.2	884075.7	468606.9	331652.1	TRUE
195255.1	216667.8	221261.3	196315.8	158834.4	231163.8	209221	170351.1	TRUE
225859.2	184067.4	347981.6	193790.3	183913.4	382641.9	223154.8	210378.8	TRUE
543824	463062.3	468295.4	481912.4	813144.2	460251.2	489068.4	505159.8	TRUE
351947	305137.2	329754.6	368552.2	523961.9	370002	456426.4	372509.7	TRUE
39451.1	58861.9	43250	48095.9	75985.2	33555.7	77342.6	64303	TRUE
264309.7	234277.2	223670.3	231633.5	213836.9	259609.9	295360.7	213556.6	TRUE
331020.3	415835.4	287406.1	308960.9	300676.2	278205.2	376033.2	309441.6	TRUE
526973.5	552203.6	551810.3	553440	499921.6	496814.7	565496.6	556353.9	TRUE
106757.7	106344.1	126005	129240.8	88260.5	112121.9	108989.8	111538.6	TRUE

107951.7	131140.6	139269.9	113893	115413.1	123564.3	118455.6	126858	TRUE
33610	29469.1	28503.7	21083.6	44809.3	40857	40056.1	39716.9	TRUE
127746.2	145452.4	74404.6	100581.9	119190.7	82431.7	133081	112204	TRUE
128281.6	137162.9	112954.8	152688.8	193612.7	116566.1	187426.2	173019.4	TRUE
97737.7	80795.7	49094	91746.3	93629.1	64210.8	103295.6	91946.4	TRUE
160041.6	155201.8	171400.3	152679.1	112461.1	157329.3	154560.9	158807.5	TRUE
89839	90817.6	108400.7	121148.3	81331.5	79581.6	112038.7	84755.5	TRUE
241990.1	275165.1	266117.2	227390.3	212856.2	278897.6	246370.1	225117.1	TRUE
36470.8	68648.2	40817	54339.6	44929.7	43805.5	72309.3	43186.5	TRUE
83761.7	96019.2	82558.7	59239.1	78564.3	72978.8	90011.2	68846.3	TRUE
20425	47863.8	18276.8	32598.6	26543.2	32521.3	39016.9	16157.3	TRUE
18271.7	11088.6	20113.8	10073.2	11094.8	8827.3	14566.8	19591.4	TRUE
16307.2	25796.2	15371.5	25528.3	19758.7	17244.8	26452.5	24492.6	TRUE
127345.4	112944	150964.7	145164.4	96177.2	123149.3	138474	147391.8	TRUE
165849	158971.8	132553.5	138411.8	134162.1	140872.8	157562.3	150324	TRUE
73573.2	66545.3	67156.4	58985.2	73208.9	83122.3	94081.9	89126.3	TRUE
23946.2	12090.1	19041.8	13577.7	41016.5	47972	16184.5	17457.8	TRUE
85080.4	59395.4	82106.4	86070.2	63251.6	89798.8	65578.9	70582.6	TRUE
379299	361565.4	248757.6	323744.6	292454.7	269832.7	321072.4	306855.9	TRUE
82157.6	91230.6	82056	74349.7	76520	76776.1	87073.1	80355.8	TRUE
16171.9	11379.2	8794.5	11678.6	20910.2	5927.2	13059.1	8768.2	TRUE
136502.8	138421.4	220209.8	190569.3	117299.9	332837.2	163730.5	295171.6	TRUE
234633.8	199255.8	236023.1	260497.9	233835.4	239226	283182.3	218026.8	TRUE
158352.4	152577.2	185435.6	186660.9	142511.3	216360.9	167717.5	147955.3	TRUE
160965.3	147350.6	119138.1	125742.2	131501.5	98891	136066.1	120930.4	TRUE
3505445	3220674	3187193	4084305	3819616	3271037	3974867	3809372	TRUE
5909.8	79281	3081.3	6060	9048.7	7001.9	7581.3	17193.1	TRUE
271018.6	293349.9	197635	302210.2	322801.2	239132.2	321356.9	337748.9	TRUE
2478532	2391397	2082060	2452924	2149080	2074454	2346847	2171527	TRUE
951421.8	973655.4	781118.2	939808.4	886254.2	840698.9	899279.2	880190.9	TRUE
123987.2	100721.8	120232.7	119397.6	101681.2	125252.8	130262.3	116776.7	TRUE
2003037	1749994	2069473	2174847	1836900	2160774	1748353	2063106	TRUE
858500.8	940865.9	900299.1	945482.7	816578.3	819820.7	738571.5	852212.8	TRUE
13336.9	10755.6	20323.9	6226.8	7913	16729.3	17770	9308.1	TRUE
71512.2	72520.5	80526.9	62948.9	74046.7	77086.9	79846	64935.4	TRUE
45162.2	12243.8	26275.2	14675.1	22958.4	39942.2	46199.3	19287.7	TRUE
40649.8	68077.4	47537.4	41565.1	54673.8	47653.4	48261.8	44459.9	TRUE
94148.3	81747.5	82746.6	117915.5	85915	105208.9	80720.4	118571.9	TRUE

307503.6	383044.7	314846.1	259699	258617.3	262633.8	296507.4	255289.8	TRUE
327676.3	261169.8	351717	412253.8	385374.4	319348.8	370354.1	279069.2	TRUE
193738.7	136989.8	147607.7	197972.1	181873.1	181755.6	181368.9	162766.7	TRUE
89076.3	56359.1	61224	78374.2	64801.9	81896.6	98904.4	77480.3	TRUE
117253.8	93749.3	76983.1	127317.3	85151.6	116542.5	137251.6	118348.8	TRUE
364182.8	299108.5	357217.8	397078.6	377737.9	406933.7	347977.6	435804.1	TRUE
100651.1	76029.7	117973.9	130648.8	103050.9	104487.3	110656.8	136291.2	TRUE
407360	319403.3	475603.3	533210.6	377316.8	467776.1	379657.2	442018.2	TRUE
89951.9	132479.1	57399.9	65401.5	70777.6	73733.4	68191.6	83385.7	TRUE
247427	219531.5	278379.8	278199.4	266966.7	238251.4	228118.1	257448.2	TRUE
51268.4	36542.9	30839.3	35086.8	35527.7	45269.8	36773.9	37817	TRUE
102352.9	86411.8	79091.2	83088.6	85007.7	95127.7	97248.2	111099	TRUE
158681	127111.8	104658.2	152500.8	140693.9	148424.5	162923.9	149336	TRUE
95179.9	79475.3	69032.9	95148.9	92353.7	122035.7	112576.8	93080.1	TRUE
344457.3	245572.7	213549.1	291731.7	274797.2	335752.8	281988.6	332783.8	TRUE
360124.7	422960.4	334643.2	364611.6	322536.2	354148.9	379121.9	295422.7	TRUE
244895.7	279125.7	186438.7	222424.8	186255.5	218267.4	282586.5	192705.7	TRUE
150330	148646.2	183519.7	175884.8	158257	182220.8	210448	127186.1	TRUE
48729.3	116194	42399.7	93797.6	78955.1	30036.7	28983.7	30166.3	TRUE
127102.5	128807.6	114012.8	113447.6	111193.9	126940.6	125040.8	124659	TRUE
627360.8	602173.8	499894.7	459261.2	576799.6	583835.6	541610.2	525020.6	TRUE
152277.6	132099.3	128957	144678.5	154327.4	191401.8	147000.2	172386	TRUE
59705.1	78684	85113.7	62911.9	82273	81991.4	66609.9	60189.2	TRUE
154464.5	135089.8	120701.1	132230.6	156067.8	144499.6	140404.9	160798.6	TRUE
144799.3	153127.4	131158.2	144073.5	159968.1	157833.3	170592.1	150805	TRUE
229651.9	207545.5	251259	251469.4	223358.6	279103.9	251323.3	241164.9	TRUE
149723.9	102132.3	168787.8	160032	159523.2	151722.5	129120.3	175023.9	TRUE
37985.1	40497.1	42034	24939.4	38328.6	39404	34430.2	50463.4	TRUE
895639.3	836489.9	1182127	951837.1	791507.5	1116704	910441.3	789997.2	TRUE
206293.7	222685.3	222392.7	234442.9	252601.5	224737.3	216704.4	260105.8	TRUE
178443.2	149339	179772.2	192241.3	191459.6	179557.4	172244.1	210581.1	TRUE
313907.8	229191.3	374753.5	267360.1	326248.7	374380.3	248961.3	326569.2	TRUE
277836.5	300639.2	294297.2	273312.2	311517.6	343944.7	326182.6	271669.5	TRUE
378077.6	399532.7	331352.5	335438.2	474794.6	368724.7	431071.3	365244.3	TRUE
309428.2	337631.7	288086.8	299176.5	433406.8	387789.4	381606.8	349945.8	TRUE
58990.6	55743.4	68837	55280.9	47760	61862.9	48662.2	47296	TRUE
123170.2	122894.1	111794.4	138155	161986.3	110358.2	77866.3	103051.2	TRUE
79802.6	71198	97358.9	74151.1	66736.7	84395.1	72430.3	73560.7	TRUE
117885.2	102380.1	88900.2	116782.2	110827	111604.4	124333.7	141407.2	TRUE
340390.2	315477.9	430556.8	307472.6	295721.9	416257.9	275791.2	304149.2	TRUE
175790.9	171884.6	169684.7	174439.6	158662.4	193737.5	149300.9	178044	TRUE
1253988	1087777	1054315	1058153	1551353	1318983	1177156	1292108	TRUE
152919.1	180340.1	134762.8	163545.2	195445.1	158468.7	160021.9	182816.2	TRUE
136838.6	138410.6	132492.3	125035.1	179875.9	181703.1	174903.4	181162	TRUE
203340.4	230653.4	241935.7	260369.8	232987.5	283916.1	246341.9	297156.4	TRUE

88846.1	98507.3	77583.4	86654.7	97003.9	59519.6	98729.9	94512.8	TRUE
32834.7	38290.1	9371.9	25276.8	36377.1	24421.5	35893.7	25658.8	TRUE
75890.5	94899.6	53786.5	55697.6	83264.3	48372.1	79322.5	69859.4	TRUE
57884.8	41655	34993.6	50401.1	48319.7	39260.3	54119.4	53431.1	TRUE
21879.7	23272.5	40174.2	36807.5	19919.9	13673.5	24076.4	28220.4	TRUE
90871.4	59568.7	37816	62997.3	62997.2	75161.3	75435.4	66957	TRUE
263135.8	319318.4	170398.8	230644.4	176795.6	182083	212359.9	220819.4	TRUE
286435.3	311890.2	298225.3	238471.7	287575	346835.3	304351.8	286309.5	TRUE
263413.7	312671.3	173259.8	239032.2	231209	195028.6	318365.8	288139.1	TRUE
2453093	2530687	2536401	2956441	1864935	2389116	2570727	2460227	TRUE
3287237	3701014	2071297	2650279	3060760	2356358	3521591	3040032	TRUE
1135265	1022236	1369449	1520953	1081024	1321473	1254224	1167350	TRUE
637297.8	562843.2	699338.8	797401.3	568364.1	669038.9	660800.6	681860.8	TRUE
116816.5	137394.6	92623.6	112875.6	137420.5	91096.2	176940.7	146818	TRUE
128444.8	164416.3	82949.8	99003.3	127757.8	85406.9	141375.6	126228.9	TRUE
82037.4	75781.4	111009.9	85877.7	94228.3	102379.2	97890	85378.1	TRUE
58368.1	53137.3	62149.1	53780.3	46282.3	68616	61551.4	48512.5	TRUE
38320.3	32963.2	33647.2	29164.2	31681.3	47970	51135.5	42224.8	TRUE
53147.2	76253	41455.9	60333.6	41608.3	54109.1	50589.4	61397.5	TRUE
578009.5	617087.9	503980.9	483657	480731.6	518422.3	648902.7	468485.4	TRUE
143866.5	135025.8	133626.8	126577.4	111273	154683.5	136550.2	124336.8	TRUE
81100.1	85026.7	89000.6	85392.8	87290.8	76490.6	80718.5	88650	TRUE
335137.5	357176.9	362677.9	208726.3	192172.5	343644.9	293828.4	187884	TRUE
50191.4	74755.7	58329.4	49232.1	64600.9	63532.2	74550.4	59833.8	TRUE
609713.5	773037.6	596259.4	392719.6	613765.3	664839.3	707883.8	589290.7	TRUE
117107.7	153712.6	171770.5	124099.7	165856.1	158911.4	176965.8	143636.7	TRUE
24612.1	20628.6	31658	25785	21438.1	29910.3	36625	22404.2	TRUE
985595.6	956910.1	1295237	1209985	1165255	764339.5	1049432	742550.6	TRUE
108255.1	98829.9	120247.7	90242.8	69937.9	137884.3	104771	59325.6	TRUE
206991.4	154484.6	235020.4	202555.7	276724.1	164980.1	146686.2	173250.2	TRUE
218014.5	144638.3	226284	252901.1	316431	235953.2	197331.9	178390.7	TRUE
268280.1	299077.3	323938	251004.4	204390.5	362804.3	332447.4	234335.5	TRUE
933170.3	711359.8	1049685	1083360	1287837	808166.5	700884.3	829296.8	TRUE
284259	264225.1	315795.6	218463.7	215320.4	358181.3	311736.5	256447.8	TRUE
96532.8	91618	44220.7	62327.1	63839.8	72444.1	104829.9	95022.4	TRUE
155887	163885.8	148548	212589.6	147709.7	141935.3	171444.2	162626.7	TRUE
198436.2	217308.9	210080.9	183860.9	289041.2	184697	249445.6	244663.7	TRUE
145459.5	195801.4	221346.8	199437.4	147746	107864.9	183712.7	102292.3	TRUE
273357.3	368111.3	382532.5	385076.9	291565.7	249067.5	335791.7	234106.2	TRUE
93477.2	81217.2	59789.3	86880.6	98381.9	89562.1	105260.1	104777.7	TRUE
137841.2	104957.8	118947.9	141253.4	114583.4	112520.3	154113.5	142331	TRUE
95037.7	104442.7	89416.3	118657	79761.6	89175.1	118048.3	113036.3	TRUE

29066.3	45256.5	20895.8	32324.4	49044.5	28185.5	37612.1	38496.1	TRUE
135561.4	139599	92186.2	101637.7	109313.8	161120.8	159576.3	139385.8	TRUE
95773	98249.1	66199.9	104622.5	88565.2	93992.6	118762.1	137977.1	TRUE
39584.8	30111.4	37157.7	36020.8	24478.5	42376.2	34165.7	40337	TRUE
32969.9	24384.8	42562.2	46650.6	26142.7	45164.9	35495.1	38469.1	TRUE
48047.4	37639.9	32111.3	55820.3	41459.1	54147.1	51898	64361.2	TRUE
96675.9	102090.3	100601.9	89007.7	88517.3	106345.7	130438.6	100369.6	TRUE
48570.4	36024.9	47291.5	52491.6	44372	41955.9	70564.5	55238.1	TRUE
31252.6	41476.7	38639.4	52409.4	36772.1	32049.1	50453.1	27914.3	TRUE
411743	425374	471208.5	415632.9	355188.2	498618.5	438118.7	332186.7	TRUE
332907.2	346630.1	376817.1	224323.5	260939.3	411030.9	350315.2	298117.5	TRUE
793977.8	483647.4	832385	789222.6	1026840	581685	576820.2	576887.6	TRUE
29781.6	7164.6	14453.7	11791	7433.9	27331.8	34671	10381.4	TRUE
81710.4	72631.5	95497.6	54527.1	68378.4	105678.6	73898.5	61933.1	TRUE
249083	274528.1	246638.9	242880.8	167650.4	254592.2	277703.3	178798.6	TRUE
596469.3	619223.2	681533.9	456260.7	431392.8	722338	638691	454223.6	TRUE
311678.7	222890.4	347960.5	344276.4	419549.3	265016.3	234648.6	275551.9	TRUE
704626.9	524785.6	621042.9	681866.6	817336.8	520142.9	507427.4	570518.3	TRUE
156128.5	145980.6	193503.5	82608.8	97263.9	194582.7	133952.8	97223.2	TRUE
34613.5	39007	33284.1	27790	45182.3	39350.4	54075.9	46833.4	TRUE
179355.6	192266.3	236460.1	181078.5	186444.1	233506.3	234984.7	174632.6	TRUE
1043068	1197910	1425242	873709.3	844006.2	1555895	1243378	841404.5	TRUE
573858.8	685542.6	568057.1	616741.4	587444.8	418997.8	447431.6	428836.6	TRUE
641464.8	645117	793573.2	917761.5	931148.4	550318.3	611242.3	597764.3	TRUE
33306.1	44630.5	52442.4	65603.2	44111.7	30217	29017.8	14255.6	TRUE
51932.3	30584.5	57768.3	59596.6	75100	24923.8	60195.2	38794.3	TRUE
40033.9	28074.4	34530.8	26457.6	17877.1	73619.3	62762.2	30537.1	TRUE
81369.7	48466.9	74287.9	73320.2	108605.8	73736.3	62484.6	74673.2	TRUE
19996.5	31038.7	26829.3	24234.8	33440.8	22520.5	25098.7	26672.3	TRUE
58402.9	60683.4	58154.5	50666.9	32513.8	55453.7	45825.5	38090.4	TRUE
111985.3	103676.9	97309.7	130524.7	139722.7	118877.1	101831.9	103456.3	TRUE
113027.7	84834.6	112952.2	131419.8	159576.9	105403.2	100879.4	122453.2	TRUE
84076.8	124053.7	115760.1	94178.2	105393.3	77378.6	77327.9	91458.6	TRUE
267193.9	316372.8	327833.1	231249.9	225743.9	344436.1	282478.6	233059.8	TRUE
161167.9	184064.5	228606.7	163402.1	177966.9	222861.7	217298.4	192976.7	TRUE
247891.6	197066.4	270851.7	294284.8	310001.1	208041.3	205904.4	176474.2	TRUE
214717.8	244733.3	212733.3	167905.6	131337	227651.9	154199.7	138410.5	TRUE
241138.8	183384.7	291254.7	194754.6	166519.6	284837.8	196902	171206.6	TRUE
260494	200856.1	254644	235790.8	310413	212432.5	204231.5	227130.3	TRUE
802210.6	627195.8	796342.4	825066.9	970701	717667.1	645159.9	728846.7	TRUE
167501.9	208596.6	197895.4	141967.6	123334.3	197164.7	179384.2	139581	TRUE
374511.9	383678	368129.3	256222.6	283012.7	365430	339434.6	291579.9	TRUE
323804.2	314764.9	275065.8	220765.4	258636.8	318451.1	292988.8	242838.5	TRUE

24151.9	8303.2	57778.5	13658.7	30484.6	63827.4	16103.1	28753	TRUE
396099.1	344322.4	470456.2	393255	501975	342631.9	358673.2	317116.9	TRUE
25635.5	23901.4	27749.8	24237.4	27089	30424.3	27754.9	27799.6	TRUE
138570.1	124856.3	209703.1	165471.2	136097.5	217645.5	198798	139352.9	TRUE
130098.5	137494.7	140378.9	154945.9	148125	182240.9	156379.2	134440.4	TRUE
20024.7	21594.8	39796.8	21104.5	35072.6	29534.1	34738.2	31962.1	TRUE
77871.2	58416.4	106802.7	78179.6	59842.3	104381.3	81095.4	67653.1	TRUE
245265.3	165241.3	206078.7	211011.5	345768.3	211104.9	225156.3	213553.6	TRUE
35299.6	24123.6	41873.8	36779.7	33879	48991.6	66037.6	42548.1	TRUE
154126.9	176490.4	103832.8	151529.9	154100.9	108041.7	170038.2	186497.7	TRUE
225407.2	242703.1	191633	96653.1	74393.4	189780.4	230722.1	73904.3	TRUE
161531	209755.5	227720.9	126554.9	139225.7	239719.9	202623.2	142656	TRUE
64378.5	49799.4	78167.5	68936	76032.8	44798.1	49543.7	78247.3	TRUE
49576	22197.6	72065.8	45920.1	55117.1	36748.5	37269.8	30851.1	TRUE
300003.7	341845.7	305836.7	257468.3	210050.4	315370.3	346495	259343.6	TRUE
637932.9	435841.8	724254.9	752178.8	890252.9	488977.4	469012.9	482925.2	TRUE
615518.7	428575.1	680595.6	728590.2	747813.8	509675.1	480789.9	522487.3	TRUE
775859.2	869630.3	1020301	654249.6	499442.8	960375.6	961288.8	528212.4	TRUE
695981.2	751937.7	802444	648948.1	520666.7	851976.8	838748.7	531771.7	TRUE
703845.8	533621.1	875265.8	830327.3	875372.7	657322	518598.3	728384.5	TRUE
328535.8	376076.2	325561.7	293467.6	248251.8	365016	343383.8	280622.8	TRUE
238982.2	222096.9	268122.8	247858.3	266548.5	281456.7	276038.4	215868.3	TRUE
501100	399146.1	484317.3	427230	524724.8	529836.8	438983.5	450348.1	TRUE
25105.3	11782.3	25465.4	14112	23163	24176.5	11793.4	24469.6	TRUE
29411.1	34651	45191.2	36944.5	40055.7	42529	41190.9	37305.3	TRUE
322372.9	351654.3	300866.2	300880.1	354298	378264.8	375513.1	361455.5	TRUE
34143.7	33138.8	51351	38680.5	50217.2	38707.3	37808.3	56735.4	TRUE
48069.8	12506	45923.8	35677.1	34084.6	52885.2	27825.2	48350.3	TRUE
69654	88897.4	101047.1	85112.9	70729.9	79327.8	76962.1	74336.4	TRUE
98173.9	72716.5	74445.5	80197.8	89511.5	78428.5	111808.2	97294	TRUE
630558.2	681827.3	568698.1	676267.2	759072.9	654561.3	645691.2	759287.2	TRUE
278125.4	200006	297483.3	327799.5	346301.6	297854.5	229270.8	295327.5	TRUE
270077.6	239202.5	283324.6	251517	292955.7	250699.7	230830.8	256568.3	TRUE
643143.4	599017.2	586156.6	530373.2	697480.9	651953.1	649067.3	667267.5	TRUE
467896.7	484405.8	431302.5	432553.8	491266.7	469602.1	455886	468551.9	TRUE
51272	78284.8	41066.1	59944.4	80197.8	59232.7	51238.7	75330.6	TRUE
34022.8	42741.8	38281.2	31052.8	32959.9	33383	56418	41268.3	TRUE
26857.2	31280.1	28153.6	34902.3	40888.9	34918.7	37143.4	38452.3	TRUE
33254	28041.4	8814.8	24631.8	21066.7	24769.8	38274.9	7602.2	TRUE
283885.1	266700.1	202224.5	293428.9	244355.8	311675.5	319082.5	342928.5	TRUE

26052	8347.6	29751.7	29357.4	31780.8	30847.5	32196.8	35475.4	TRUE
232898.8	180615.6	201667.9	245419.3	244645.3	234541.4	209236.9	233913.7	TRUE
257605.1	198919.8	264396.1	218213.6	222784.1	275837.9	220082.5	228773.6	TRUE
268643	291445.6	161498.3	188589.5	305008.2	223613.2	292792.5	257612	TRUE
20447.6	7848.7	7889.1	6641.6	27237.5	9433.9	24879.9	10981	TRUE
83790.3	67958.1	156837.8	83121.7	67101.1	145110.1	62376.2	66717.9	TRUE
125588.9	80461.5	195954.3	140269.4	113237.4	182998.3	116592.8	124697.2	TRUE
370765.6	279920.7	519406.1	342060.4	289313.9	566183.6	318466.4	279905.5	TRUE
166769.4	126969.4	145347.9	170075.7	280513.4	189227	131458.3	169126.4	TRUE
875375.7	717646.2	793415.8	757982.6	1059187	806090.4	736517.3	923180.7	TRUE
629229.3	522456.3	938404.9	721740.5	469452.6	1003377	552703	509687	TRUE
493599.1	334332.7	495225.9	504783	893809.8	668934.3	414772.9	639421.3	TRUE
121875.2	88596.5	220893.4	95918.5	70270.2	222745.5	93448.9	81091.5	TRUE
107623.9	61490.3	77347.3	92397.2	175330.6	69567.9	71478.6	86624.9	TRUE
303472.9	219725	492702.6	261476.6	210346	506629	229892.1	221725.8	TRUE
396878.2	325463.2	688646	381754.1	308626.4	764885.5	383386.2	306110.9	TRUE
193814.9	148018	157518.7	131524.4	336528.1	164395.1	148272.9	179298.2	TRUE
317664.3	243927	255987.7	303211.7	504403.3	294494.7	271388.9	286474.7	TRUE
376608.9	289394.6	563783.3	368594.1	266088.5	584746.2	310675	285861	TRUE
405134.6	249818.1	322592	333801.8	721511	385208.2	306751	413622	TRUE
61468.8	34426.9	54264.6	64490.2	63412.5	82542.9	42586.6	86946.3	TRUE
30326.2	32597.8	33219.6	27826.5	18191.4	28305	44176.8	28981.5	TRUE
131504.1	140190.3	84648.1	128491.4	145314.6	123176	144590.1	184805	TRUE
243017.4	178485.6	207383.5	223886.7	278439.1	180271.5	240562.7	204868.6	TRUE
96742.2	91874.3	77270.3	69125.5	94986.9	52104.3	111190.7	96019.9	TRUE
266283.5	260937.5	252888.9	310344	198556.3	264364.5	288733.4	250506.3	TRUE
218128.2	215028.2	109358.7	138053.2	212047.2	158529.7	271096.7	269626.8	TRUE
60884.3	56885.3	39226.3	54595.4	72978	52870.3	92853.6	76918.9	TRUE
524999.1	729378.2	375579.6	502403.2	649227.5	397012.2	741004.2	599573	TRUE
25659.4	13372.8	16295.6	8679.2	26533.2	9051.2	42061.9	15840.8	TRUE
9331.5	19046.9	22837	11473.4	22598.7	9513.1	20066.1	11086.5	TRUE
114035	117929.5	97695	96412.9	107747.2	123410.2	144193.4	106985.1	TRUE
84468.6	80247.1	76463.3	76042.5	52951.2	84610.9	85383.7	81315	TRUE
53898.4	44189	71514.3	41472	48360.9	58730.5	60854.4	55059.4	TRUE
28283.2	10239.8	27258.2	13949.3	26341.1	13043.1	25642.7	10116.3	TRUE

161106.3	142115.6	158187.7	162941.2	149573.8	175531.2	161232.4	146735.2	TRUE
22930.7	28129.7	35890.1	11095.6	26391.4	35351.9	29125.8	27026.8	TRUE
119084.4	154111.9	166314.5	122898.3	79854	174032.6	129522.5	93241	TRUE
347009.6	313640.1	424009.2	400348.4	470045.5	335165.5	292950.9	347208.7	TRUE
232653.9	166199.9	210625.3	231807.3	365021.1	195314.7	159644.9	209289.6	TRUE
339940.8	360729.1	509782.1	313307.4	225344.1	510735.5	338306.2	269260.2	TRUE
41317.3	41902.6	72797.5	39849.8	29395.9	76375.2	48217.8	31369.3	TRUE
111862.4	93158.5	144962.1	88316.4	63893.7	168719	91735	63039.5	TRUE
566540.7	549933.4	480279.3	509018.9	391023.2	500791.1	451160.8	418852.1	TRUE
118286.5	62966.4	112369.5	114974	176515.8	84802.7	72178.7	93167.8	TRUE
109546.5	98214.9	121189.7	76546.5	91484.8	133846	122295.3	102949.7	TRUE
52120.7	67882.6	74467.9	45572.9	52346.5	65874.4	67912.7	44851.1	TRUE
22272	21669	30708.4	25408.4	23591.5	33516.2	25650.2	36786.3	TRUE
253679.5	206790.1	269325	211971	217015.6	267149.1	207631.8	231027.8	TRUE
381910.2	412737.3	356391.2	471768.1	368861.8	363679.9	432133.4	315895.7	TRUE
90045.9	79938.6	88278.9	93079.4	86478.3	101931.3	85023.3	82549.6	TRUE
70373.2	68122.6	84173.1	66700.3	63865.5	78666.7	49947.2	64318.4	TRUE
120253.9	131568.2	143524.6	142690.9	108874.9	148306	148975.4	118597.7	TRUE
29462.1	12960.6	21217.4	41026.7	28581.4	30678.1	38685.2	29875.4	TRUE
35801.4	19667.4	38337.4	13640.3	28728.8	40552.8	335692.3	28386.2	TRUE
107313.9	101849.8	115931.9	127049.8	121964.6	106260.1	93005.3	117515.6	TRUE
445766.7	415085.4	468854.1	409941.6	360805.2	432399.4	445943.5	372393.9	TRUE
58899.5	44380.1	48186.3	54362.1	45784.3	67719.3	65186.7	49572.1	TRUE
232500.5	185304.5	181238	217389.9	258144.2	270052.2	200476.5	254579.3	TRUE
125095.3	120767.6	173070.5	127750.5	121852.6	124630.6	117274.3	98125.2	TRUE
220246.4	218081.3	206215.7	211145.1	243899.9	228089.9	237608.1	225137.4	TRUE
77617.5	68214.5	91591	102039.8	122171.6	80221.1	76678	114338.8	TRUE
186583.6	162973.9	210701.5	210783	191015.9	203841.1	178632.1	186214.7	TRUE
39925.3	29860.7	47348	49160.6	42592.8	52657.9	42223.3	55266.4	TRUE
2464447	2251737	2279160	2403482	2398678	2227511	2238680	2268428	TRUE
725096.2	638005.8	637857.7	695988.6	643853.8	629954.1	675201.8	652270.4	TRUE
827119.4	801129.5	893934.8	817027.7	767259.4	892568.8	786104	888318.3	TRUE
56753.1	68917.7	71142.8	65177.1	65479	71666.1	68329.4	85526.7	TRUE
173984.6	171258.7	193102.4	168687.5	183292.3	171571.8	179239.3	164032.6	TRUE
121246.4	162355.8	136317.7	116420	142544.9	125321.6	141044.6	176462	TRUE
427470.2	367800.5	391126.3	414221	360882.9	423163.5	407897.3	357616.9	TRUE
354666.8	352841.2	404833.7	468112.6	394124.8	430156.5	408442.9	378408.8	TRUE
497899.1	468351.1	540509.1	523447.8	508578.1	567339.1	491564.6	481828.9	TRUE
587726.9	903990.1	670440.2	462397.7	531271.7	395964.4	469971	560816.1	TRUE
887085.2	945840	897713.6	840169	817042.6	823946.6	1043280	835977.3	TRUE
162764.4	144874.7	106550.5	116498.7	147913.9	117051.4	100452.3	130927.8	TRUE
653816.9	625419	556770	715333.3	770013.1	560193.6	689756.7	784411.4	TRUE
33136.2	17994.8	25029.5	13849.5	8470.2	28024.6	20802.3	14125	TRUE
117793.2	97007.7	95823.9	131299.4	163422.9	133743.2	104449.4	111108.1	TRUE

143985	110618.5	83923.6	115638.8	125057.6	145227.3	138367.4	155032.2	TRUE
277150.8	213679	213154.5	270304.5	240199.3	290948	304392.4	335116.4	TRUE
63561.6	74756.2	74054.7	56225.8	44989.8	53667.9	65508.1	59260.2	TRUE
64086.8	69773.7	84718.3	61351.9	68010.3	88949	93419.1	74708.2	TRUE
192725.8	204135.4	223561.2	280751.3	183885	192687.1	259436.7	201468.8	TRUE
148862.1	190984.5	152401	239388.8	333545.2	125177.1	143372.4	130806.5	TRUE
105048.6	73542.9	81625.1	99681.8	63110.3	85570.3	111684.6	91669.6	TRUE
194608.4	147397.9	123376.8	150930.5	174168	181674.5	201275.3	191711.3	TRUE
307854.5	280606.4	229298.2	308286.6	225024.7	263110.8	355802.9	271906.9	TRUE
277640.9	324057	336780	361974	170989.2	213893.7	258971.7	220399.5	TRUE
96046.1	100615.3	136797.3	57058.4	69295.7	96427.9	128274	70610.5	TRUE
115228.7	130453.5	101918.9	89547.5	91209.1	112329.8	168226.4	100851.7	TRUE
27705.7	38340.7	43314	47826.9	35458.7	26315.6	31659.4	28138.4	TRUE
712354.3	864076.3	679320	577444.8	933268.2	670864.9	946964.5	819243	TRUE
255667.2	206064.5	199204.7	259079.5	200092.5	310829	256246.9	243472.6	TRUE
116387.3	125477.7	98745.9	145201.1	123332.6	119355.6	143596.3	124323.2	TRUE
51547.3	61011.8	29541.3	41342.9	45601.2	48870.4	70701.2	61009.4	TRUE
677324.4	611033.6	818065.3	995621.2	570868.2	612130.8	789600.9	609591.9	TRUE
476791.7	263824.9	274263.7	328860.9	487291.5	511379.7	270889.1	504883.7	TRUE
63716.4	67832.1	91087.2	79385.9	62181.3	90204.6	82959.6	61749.8	TRUE
25973.5	20658.6	18707.5	24874.3	15368.5	24269.5	20148.4	19197.5	TRUE
113474	90318.7	134395.3	118528	111809.1	136876.7	99147.2	89979.6	TRUE
49757.4	43118.9	63540	53260.7	60305	63499.3	46234.4	56594.6	TRUE
49788.6	53201.9	44745.8	42666.7	35201.6	39238.7	24630.5	27702.7	TRUE
65658.9	59604.4	93531.7	69615.8	63017.9	75886.9	66196.2	57591.1	TRUE
180433.2	165238.5	194505.5	241458.3	203822.5	222487.4	204021.9	183229.2	TRUE
87089	69542.7	69300.7	63624.2	72743.7	84218.8	96477.3	88371.2	TRUE
16534.7	10566.4	10680.5	12382.5	17621.8	8993.6	7599.7	6838	TRUE
83478.6	77374.5	88220.8	115312.2	94098.1	87922.9	94810.4	98269.3	TRUE
54543.2	46332.1	44953.1	45164.2	57021.9	58986.4	33696.2	60791.1	TRUE
27713.1	28134.7	27094.7	11117.6	24424.7	19691.9	24907.6	25898.8	TRUE
84239.8	104109.5	121117.3	97038.3	81623.3	129934	89655.4	81030.4	TRUE
53662.5	51283	53971.7	86504.4	63752.6	60376.3	65879.4	80008.1	TRUE
78270	56882.4	75457.5	64699.6	79012.3	77338.6	69897.4	70236.6	TRUE
462159.2	463480.4	473602.5	361632.9	324270.8	538463.8	604551.9	379916.6	TRUE
505481.3	407754.4	633493.9	517880.4	607480.3	438942	454005.4	442413.7	TRUE
1291233	1029214	1657034	1479846	1591861	927143.7	1021047	938806	TRUE
336736.8	400307	370210	257763.4	280707.9	396559.5	401374.2	292684.6	TRUE
68992.4	91633.1	74695.1	56755.3	52031.6	76576.9	91945.6	56712.4	TRUE
343513.4	281985.6	438405	435359.6	419883.9	341504.9	315610.8	289915.2	TRUE
795302.1	533233	1027680	934860.4	886125.9	539753	624151	553829.3	TRUE
1137272	740257.6	1311936	1286865	1381152	788785.7	767804.8	771092.1	TRUE
395709.5	422404	458745.1	319732.4	368816.4	464995.2	486687.4	357592	TRUE
412618.4	328825.4	496833.5	576913.6	523541.2	378645.2	350179	356298.1	TRUE
689732.9	619180.3	904237.3	962915.6	907260.6	589802.6	667486	597170.3	TRUE

28497.3	31002.1	41881.8	38383	29118.5	36787.3	53893.4	39854.1	TRUE
35549.2	33601.5	40036.7	38146.6	30374.7	53153.4	48701.9	31961.1	TRUE
45388.6	63256.9	36400.2	13140	43365.4	45952.9	55773.2	40763.9	TRUE
46702.2	39397.5	44795.1	52660	41400.4	59790.9	62081.1	36636.3	TRUE
34767.6	48154.4	31961.9	28949.9	31594.2	37498.3	50492.8	27379.7	TRUE
45472.6	71783.2	59779.6	40105.1	36559.5	71956.5	59003.9	42574	TRUE
45828.4	31637	30098.6	40140.7	47387.7	44788.9	43314.5	48937.4	TRUE
83132.5	70785.5	72757.4	90212.4	93372.3	122197.7	122292	151625	TRUE
126128.9	97980	102644.5	98358.7	88677	120874.7	130784.1	108565.1	TRUE
174182.6	181287.4	145627	142472.2	150123.4	197481.2	200712.9	164740	TRUE
69486.4	156278.4	67639.9	83640.4	53478.8	101793.8	153066.6	78070.1	TRUE
330960.8	312634.1	261286.4	267641.6	341135.7	335898.9	347247.1	351875.1	TRUE
751275.5	675700.7	540157.8	582523.9	704006.9	788707.6	686608	770251.1	TRUE
439751.7	361468.7	452901.8	502967.2	470167.6	452868.8	390247.1	487302	TRUE
50774	54786.1	40310.5	39863.2	52948.3	24632.6	31149.9	31911.6	TRUE
25552.1	26757.4	23806.5	22987.6	20321.9	17914.5	24085.8	26711.9	TRUE
57458	60998.2	42096.9	55841.2	46363.8	81389.3	74841.8	69016.7	TRUE
843716	782494.4	793361.1	759039.3	857917.5	864038.6	814160.7	896109.7	TRUE
206907.9	207742.2	145478.6	212596.2	200609.5	257927.4	238080	274910.2	TRUE
90637.2	71119.4	67879.8	86543.2	95601.9	67518.9	66768.9	84465.2	TRUE
89210.3	104293.9	65227	88187.1	88120.9	82869.3	101060.8	107550.4	TRUE
21764.7	10251.3	14354.6	11158.2	12065.2	7074.9	29581.6	12560.8	TRUE
176470	147886.9	209930.8	181910.3	167899.7	220633.4	190101.7	181459.6	TRUE
159601.7	137087.9	142764.5	146804.7	134422.9	145285.2	155627	137685.5	TRUE
58495	67241.7	41064.2	46943.9	46179	29136.9	71829.3	68118.3	TRUE
58862.5	61990.9	30568.8	36062.5	53222.7	43266	57720	50931	TRUE
120711.9	125328.1	111702.4	144378.3	92623.5	114345.6	145992.3	121751.2	TRUE
47370.7	39663.6	55307.1	47374.6	27638.5	40202.6	41341.3	46660.3	TRUE
48203.4	55489.8	42868.3	41339.7	68197.6	46886.2	81124.5	76506.6	TRUE
255768.6	286838.2	208009.7	238272.1	259478.8	201053.7	256002.7	275709.2	TRUE
286925.5	323796.2	315764.7	327952	257096.1	261371.6	339534.6	268689	TRUE
61347.2	82737.1	40787.4	53119.7	77181.8	47544.4	80338.7	74522.4	TRUE
125290.6	116900.9	75303.1	95839	115439.1	106022.1	172975.7	168420.4	TRUE
138146.9	104579.2	130938.9	164046.7	74790.3	100806.9	150568.5	136636	TRUE
179885.8	179448.5	143456.7	164755.8	198457.3	155887.5	198886.6	180773.6	TRUE
120946.1	143870.6	92691.8	86624.9	108540.1	99040.7	139716.6	109666.9	TRUE
127298.4	110240	103292.6	150018.2	113598.6	112393.2	134837.7	113791.1	TRUE
193505.3	180444.4	163551.8	189533.8	209444.9	252105.9	200471.6	238330.7	TRUE
335597.2	325210.5	328187.3	355407.7	365086.5	351746.9	376512.1	348318.7	TRUE
71364.3	84281.3	62638.1	88401.3	79339.6	50077.3	108571	93285.5	TRUE
29766.5	39315.3	34225.4	25957.5	39323	33490.3	37464.9	39736	TRUE
110253.8	65840	62629.7	102297	85003.8	97264.1	108168.3	111109.6	TRUE
45240.2	33185.1	29211.7	47936.8	39341	49402.6	40870.6	54613.8	TRUE
1151078	948246	1076976	1066713	1078167	1118819	1037676	1179689	TRUE

1455014	1182323	1443807	1275850	1230587	1420738	1172344	1249681	TRUE
131592	104232.5	171489.3	91075.7	154954.8	130798.4	143779.3	146321.9	TRUE
145549.2	147771.3	114110.8	128105.4	128023.5	119609.8	144246.1	134390.6	TRUE
462966.3	478575.2	394429.9	433982.7	482493.4	408064.9	571888.1	489358	TRUE
23971.1	22201.9	28204.2	27211.4	27060.7	31650.3	34114.2	31274.8	TRUE
538200	499168.6	411695.4	445607.8	446752.9	376646.9	394625.8	397029.6	TRUE
957520.5	954453.5	799769.3	895937.5	822425.6	809784	799186.4	735617.7	TRUE
697961.5	777125	637862.4	666489	607291.4	687363.9	678935.7	636854.7	TRUE
344889.6	345833.4	345886.3	333660.3	257518.8	361059.4	329463.4	308021.8	TRUE
121059.2	108693.3	92993.8	113864.3	104055.2	107985.5	115617.3	113283.9	TRUE
193824	154875.1	180355.7	218261.6	205336.4	230524.3	168088.3	260373.1	TRUE
83159.8	61268.6	64828.6	78917.4	53333.6	84735.5	75149.8	55506.4	TRUE
74540.9	62708.8	79044	59681.8	67180.9	102930.6	98228.9	80437.8	TRUE
238265.4	208107.9	213460.6	286470.7	206153.6	241115.5	250308.9	168945.7	TRUE
248021.8	237673.6	216563	214323.9	217447.3	254614.4	243427.5	237960.6	TRUE
384285.9	320471.4	372448.7	369945	378376.5	426900.9	352957.6	422018.9	TRUE
237880.9	201350.8	200099.7	220192.8	171740.3	191994.9	187320.3	146665.1	TRUE
119954.6	79594	90960.8	125096.8	129509.1	141392.1	101838.7	145012.5	TRUE
546141.3	459589.1	535378.3	557713.2	438887.6	540214.6	552056.9	454646.3	TRUE
37676.2	43790.3	42631.4	44496.3	31774.7	40015.7	52933.7	24656.9	TRUE
19255.4	3169.5	6593.7	11557.6	7309.8	7447.7	10956	6619.2	TRUE
80278	48938	49986.3	72766.9	66379	57440.4	61785.4	77887.7	TRUE
113083	103498.9	162821	96496.7	96515	99084.3	92607.6	110063.5	TRUE
63005	54459.8	38292.9	80201.4	50693.3	77589.1	76804.5	61731.6	TRUE
180940.5	209629.3	206348.2	214001.1	177586.4	253433.1	197988.8	253563.3	TRUE
56418.9	48760.5	53262.2	58809.2	61720.2	63632.7	52157.9	69540.8	TRUE
44699.6	25417.7	33705.2	40645.9	37627.8	39818.1	15071.7	55051.8	TRUE
30415.8	11138.8	41411.5	35251.2	24355.8	37335.5	41651	39854.1	TRUE
69230.5	78940.3	70784.5	62478.2	80008.6	74998.9	81632.6	89184.6	TRUE
89474.3	70357.4	82375.2	104093.6	94946	103375.6	102742.1	118275.8	TRUE
78406.7	58669.4	77878	84278.9	99133.5	76312.3	56296.7	85846.9	TRUE
27477.9	35661.9	10459.8	25596.1	29515.2	46833.4	38266.5	44253.4	TRUE
8177	6545.1	8371.6	8117.7	5325.9	12020.7	6297.2	9387.4	TRUE
85022.5	76972.6	90159.9	101917.3	114680.8	85491.6	63595.3	101846.2	TRUE
55979.2	35160.7	53760.2	74726.5	62010.5	57085.8	49467.8	63449.1	TRUE
59186.4	45632.9	61706.9	81370.2	61840.9	64690.6	54655.1	70181.4	TRUE
66473.5	35210.3	73536.5	72297.9	63116.5	63602.5	38313.9	63040.2	TRUE
61291.2	70901.1	54144.6	39180.8	63437.2	73859.4	58660.5	74942.5	TRUE
398060.3	361647.2	346200.9	333749.7	366483.3	442337.5	351865.4	453447.8	TRUE
176337.5	152380.5	137527	173658.1	196060.6	165626.9	153428.2	168122.9	TRUE
796820	855156	838824.5	828397.7	763212.3	839174.5	895615.3	838803.1	TRUE
58398.2	66760	59406.8	57408	84011.8	55503.4	66297	78826.2	TRUE
68531.3	71765.7	74748.9	83615.7	84854.5	71873.8	58214.1	59981	TRUE
57664.8	62490.7	70302.7	89560.1	68357.2	74273	72688.3	73148.8	TRUE
61381	67701.9	54230.5	57291.9	65231.1	37677.1	74353.7	77566.9	TRUE
31213.1	36319.1	29986.6	35826.2	31695	31881.1	50264.2	47441.8	TRUE
45888.3	29052.2	38817.7	37073	52700.7	41446.3	33245.2	42302.1	TRUE

118669.7	118302.4	84649.4	106164.7	126939.9	102046.6	118067.6	125417.6	TRUE
318081.5	353377.2	266388.1	303556.7	254788	280340.9	316289.2	275852.6	TRUE
697746.2	854369.8	806787.3	717177.1	646656.9	625787.4	871205.3	634271.9	TRUE
84196.5	66178.1	99068.2	98006.5	74421.7	106598.1	85611.6	105530.8	TRUE
55564.8	50109.6	41525.5	59795.3	47110.7	60595.7	58947.3	62660.5	TRUE
148164.6	105169.5	150178.7	134244.8	114300.2	134476.5	123593	128285.6	TRUE
100063.2	83269.5	99382.6	82562.2	78989.1	96146.1	84622.8	73983	TRUE
22679.5	16124.6	16817.3	23291.6	18442.6	19623	17297.1	10203.8	TRUE
79406.5	75101	94023.5	85818.5	56003.4	87368.9	91540.2	57288.8	TRUE
31191.2	30762.4	40787.6	33946.7	44555.1	40339.1	42381.9	28572.3	TRUE
67910.5	57919.6	73007	77244.5	74388.4	83097.7	49514.9	66811.3	TRUE
760778.4	664441.4	749395.3	782250.8	819961.3	804250.5	678712.4	792305.6	TRUE
56619.7	24562.6	67052.2	62579.6	46752.8	61069.8	52358.1	55810.8	TRUE
72243.1	50075	65948.7	76177	85287.8	73316.3	57099.6	81786	TRUE
21459.3	32733.2	15010.8	7079.6	9337.9	21327.5	32605.7	13860.7	TRUE
89667.6	85108.3	56708.1	76845.9	69311.3	78361.6	80837.9	91376.8	TRUE
98764	93905.8	132284.2	133165.4	78215.3	92603.1	107975.6	76166.5	TRUE
230516.2	311742.5	362224.2	389137.9	140255.3	240265.6	278468.2	223310	TRUE
718797.5	927433.7	1251379	1291915	481875.8	762756.7	966943.8	736283	TRUE
80822.4	109642.7	93398.5	100052.2	89053.9	73817	134967.2	106578.3	TRUE
52522.7	56821.9	62368.9	50899.5	53184	55046.8	66234.7	44550.9	TRUE
320729.2	397303.9	271896.9	353636.1	322353	278412.5	424300.6	339467.6	TRUE
109136.8	101111.1	91407.7	127636.2	114087.9	102684.4	128937.9	154871.7	TRUE
38519.9	31185.6	13067.9	12324.8	51376.3	23919.6	41027.5	58451.5	TRUE
134903.6	89679.5	200128	114380	182021	266717.2	139228.4	124286.9	TRUE
27536.6	12986.3	25741.3	42933.8	73199.7	59961.5	47732.1	52898.1	TRUE
289358.5	428617.5	367789.4	380578.2	351499.2	342417.5	269642	298042.6	TRUE
74510.5	73718.5	96206.1	72892.1	93897.2	79310.9	78162	78340.3	TRUE
274524	209795.9	232546.1	255527	368334.9	247550.4	251037.8	229294.9	TRUE
36565.4	56046.5	43575.4	65650	50841.6	49309.5	91650.4	46419.4	TRUE
26229.6	27483.6	30660.4	26088.9	33130.4	34744.2	21653.9	26576.4	TRUE
16809.6	41297.9	21223.9	26464.9	24825.6	25406.9	19091.9	18417.2	TRUE
53317.5	46173.1	52110.8	53093.9	63306.6	48176.7	52689.7	40501.8	TRUE
252328.8	226859	203091	203340	213958.9	213602.9	217950.8	231988.5	TRUE
12376223	10297034	6923659	8563276	9124724	7661571	7992518	9914927	TRUE
19734691	17719563	19298656	24223418	25122520	21026249	22132397	25423806	TRUE

347580.3	303685.4	310327.5	375913.8	390283.8	344591.9	332347.9	405695	TRUE
156190.7	276157.5	194509.1	355646.3	408759.1	116799.9	128266.7	139978.1	TRUE
66771.7	185355.5	111823.9	223953.5	255755	25766.1	26253.1	32539.4	TRUE
986484.3	851998	517348.7	565174.4	714645.7	541604.1	651284	790651	TRUE
2920825	2758216	2549566	2828261	2608566	2969752	3066039	3066153	TRUE
34243021	32167746	26974329	30100472	29547294	33606064	33407158	35045003	TRUE
779596.6	761974.3	660313.7	901545	875255	682372.7	793911.3	903167.3	TRUE
598647.2	554585.2	564353.4	640151.7	626120	579065.1	552015.4	593046	TRUE
171781	135976.3	126429.1	168084.2	170161.6	151409	200560.2	199620.1	TRUE
80104.7	174276.4	105437	203456.9	201207.1	44151.3	42858.4	53418.7	TRUE
1017977	920968.8	951432.8	941609.6	909760.4	990501.9	981007.4	990771.4	TRUE
4051172	3841394	3730434	3854562	3499408	4142102	4135243	3922073	TRUE
1034314	997595.1	1113005	1195988	999045.3	1249160	1183601	1232199	TRUE
1404614	1382910	1625566	1712695	1485822	2061290	1718955	1709728	TRUE
85134.6	72445.9	50973.1	85557.4	77651.2	104257.2	90043.5	145191.4	TRUE
36516.3	64502.4	35425.1	44955.5	35131.7	33551.4	26054.7	49724.5	TRUE
103762.2	86611	69410.5	81520.7	73559.6	140199.9	116564.2	113563.1	TRUE
144294.9	142322.9	121288.1	136367.5	131498.4	187368	165096.3	155153.7	TRUE
74875.4	48390.2	58550.3	61974.7	67761.4	78498.3	78872.1	95578.1	TRUE
499674.8	419903.1	473469.9	483032.6	425767.3	649719.1	762151.2	688065.5	TRUE
58427.1	54538.5	58986.8	58631.9	59439.9	62191.2	77461	73179.8	TRUE
8452.9	11629.9	13306.7	5819	4123.8	14341.3	8215.4	4918.5	TRUE
106240.4	96607.2	95099.1	131610.5	105572.7	106874.1	110197.5	142080.8	TRUE
266395.7	213455.7	217673.7	259746.9	301828.7	228227.8	252777.8	255335.7	TRUE
6690659	5406954	5585044	7009426	7486488	5873942	6234272	7266928	TRUE
7896266	6914403	6977963	8437829	9149714	7462822	7734028	9034795	TRUE
1442736	1259064	1111906	1405363	1480089	1247207	1357941	1581281	TRUE
1254445	1059231	927469.6	1246735	1346912	1076196	1196051	1416262	TRUE
90177.5	92851.1	86586.2	103366	109639.3	81830.8	76165.8	104247.9	TRUE
63585.7	69960.2	53946.6	76080.8	83567.2	64887	67884.1	74695.6	TRUE
206033.2	156129	217976.2	219819.1	217154.6	225613.9	217644.8	227329.5	TRUE
42820	52792.4	39080.5	53204.4	55024.4	52190.6	49075.8	46036.2	TRUE
52723.8	71599.2	46496.3	64368.1	80881	16639.5	20346.6	9465.3	TRUE
81921	214714.9	100435.3	216018.4	260844.1	25404.9	22588.1	28868.2	TRUE
75873.2	62946.6	45585.9	87108.1	86635.3	60398.4	63562.1	81822.3	TRUE
8788.9	9380.6	14482.6	8935.5	23210.4	18163.7	11116.6	24235.8	TRUE
82341	54732	58161.1	73397	67222.1	63174.2	79751.5	76082.6	TRUE
28468.3	30431.7	17784.8	27613.2	18643	15415.4	36941.1	34599.6	TRUE
34790.2	11442.3	27757.6	40873.5	48454.7	26940.5	44605.6	56290.6	TRUE
35497.1	30553.1	36614.6	23991.1	43397	37688.2	34149.9	47483.3	TRUE
144381	121430.1	146739.9	139352.7	175605	116537.5	161043.7	163380.2	TRUE

33772.4	63688.8	43079.1	47921.7	43664.2	23811.3	26017.5	10027.4	TRUE
17467.3	21770	29703	24854.4	19019.2	6699.8	8803.4	11637.3	TRUE
36831.9	30515.9	30372.9	39476.7	30974.2	51784.3	31534.1	31864.4	TRUE
404409.3	362732.9	351722.9	327245.9	342465.8	437283.6	449119.4	439315.9	TRUE
2693708	2544494	2216430	2225966	1824695	2460600	2961259	2813231	TRUE
411954.9	391830.8	315907.9	336484.7	293140.2	430538.7	437609.8	464262.1	TRUE
52517.9	51171.1	45967.6	40192.5	39292.7	78783.5	50572.3	69657.2	TRUE
14587.3	16369.7	11270.9	23351.9	22394.4	22952.4	18930.7	24966.3	TRUE
26462.9	25563.6	12414.6	32462.2	17444.1	31478	18008.4	41953.5	TRUE
52119.8	47358.6	88232.4	72743.8	52814.1	84366.9	86745.1	103728	TRUE
47573.4	59987.2	79534.8	75157.8	68724.8	80732.7	97368.3	112647.8	TRUE
38823.1	46731.2	45527.5	52237.9	36432.7	57869	62690.1	58280.6	TRUE
198273	210100.8	128232.7	222472.6	262971.6	137699	251284.6	254776.3	TRUE
72657.9	72536.2	52554	89349.7	94260.4	44773.4	92763.9	85785.2	TRUE
876251	845221.3	670469.4	962828.2	1123162	598670.2	909354.9	1009027	TRUE
948226.3	1017083	701538.8	1071066	1327377	652192.8	1092951	1167002	TRUE
703571.2	769480.1	481411.4	764127.8	920310.6	546509.1	809563	983765.6	TRUE
29650.3	36666.8	23568.1	27279.4	45732	24486.2	34972.8	37665.2	TRUE
128965.3	138084.9	90178.3	121869.8	151158.4	99745.6	142841	157067.6	TRUE
20556.3	21765.5	7293.7	21386.8	25827.5	15121.1	23893.7	25004.1	TRUE
144788.7	135748.9	102802.1	167032.9	185923.4	115146.7	147127.2	162664.6	TRUE
132882.7	149011.1	106993.9	161599.2	180180.5	121824.8	154644.9	196464.3	TRUE
61471.3	61995.1	52335.4	67514.2	66062.6	50667.1	52188.1	69053.8	TRUE
92864.6	117325.7	153408	108515.5	143392.3	100800.9	130525.4	149807	TRUE
21710.8	32487.3	13909.2	31442.6	28148.3	21614.6	39170.9	35777.9	TRUE
33076.6	33663.5	30841.8	25718.3	44319.4	24408.2	38167.1	43956.8	TRUE
98137.2	129062.4	72193	139188	144213.2	85221.9	122902.8	140549.2	TRUE
103165	242952.1	98367.8	284859.1	317735	68279.3	73557.8	77495.2	TRUE
18978	78611.9	29087	87295.7	92752.8	4729.5	7909.7	8942	TRUE
133393.9	130845.7	68307.5	139435.9	179652.8	116812.1	169318.6	191466.4	TRUE
23501.8	14628.7	14309.5	25289.6	27325.8	16755.3	18725.3	42186.3	TRUE
266615.7	230154.9	141481.9	232312.9	278622.1	212922	371424.7	395664.9	TRUE
60501.5	70733.3	59334.3	75470.3	82755.5	57286.8	59410.9	95938.2	TRUE
26349.4	41568.3	11169.9	27461.2	32964.9	17822.6	22482.6	50849.7	TRUE
254786.3	319953.7	267575.4	331400.8	208394.7	288570	393481	313379.7	TRUE
1810811	2244699	2230420	2115826	1442520	2267275	2452104	2006393	TRUE
487921.7	580653.2	600453.7	543461.2	406275.2	578524.7	642850.5	534237	TRUE
229714.8	260484	256940.2	249535.8	179884.7	270946.3	317354.3	261934.1	TRUE
231714	251276.5	244383.7	239834.7	173747.7	266289.1	281830	229429.5	TRUE
59737.2	74168.1	77900.1	72565	49106.2	85734.6	88671	94217.8	TRUE
128509.2	148529.8	128763.6	127149.5	102857.7	136520	135284.2	145047.7	TRUE
145164.9	220498.8	174360.7	171966.9	143063.2	191571.3	170766.5	187052.6	TRUE
49195.2	149028.2	64095.4	132260.9	84944.9	23014.3	10810.7	26664.7	TRUE
57409.6	73621.7	46073.8	73185.7	57877.1	119726.7	119674	72919.2	TRUE

71507.5	77821	62480.5	63089	51839.1	51694	55867.9	42492.5	TRUE
77366.4	52716.2	56239.9	37670	48376.3	50786.8	55213.6	68134.6	TRUE
493769.8	238396.9	194996.7	225198.8	253250.9	207078.4	234912.9	237359	TRUE
13883928	11799645	10078533	11356727	11816518	10740090	11397169	12406034	TRUE
13055459	11838155	9710604	11328912	11627929	10278498	10862874	12176967	TRUE
61712.5	51740.9	76078.2	62028.6	58719.5	59248.7	55507.9	56553	TRUE
3163747	2676375	3657641	4215295	4044244	3562342	3486541	4015745	TRUE
87270.2	129429.2	98233.7	92074.5	74491.2	118894.7	92939.4	70269.3	TRUE
41508.7	38289.2	20138.2	28798.2	7785.1	10473.2	7047.4	26142.6	TRUE
189017	203957.4	120504.8	129431.5	129160.4	98651.2	160904	124317.1	TRUE
67730	43775.3	22352.8	30863.2	29753.4	25482.6	41342.6	13819.3	TRUE
190868.8	208201.1	171394.1	175091.7	155830.2	161332	204462.4	161627	TRUE
80176.1	73209.6	25280.7	40691.6	43100	37549.5	42725.3	50682	TRUE
82186.8	104213.9	96513.8	85615.5	83197.3	96456.3	98338.9	69702.8	TRUE
198267.8	213066.4	198298.5	210487.7	199446.2	198674.1	210953.1	181417.9	TRUE
75482.6	71222.9	84205.5	78291.1	74466.4	75661.6	75517.1	75075.7	TRUE
654799.4	697859.3	573375.8	719177.1	636753	596302.5	735894.1	630879.1	TRUE
337901.9	337545.3	321062.5	341742.9	329546.6	336554	406143.7	393342.2	TRUE
90350.4	114499.2	94904.8	113734.6	114677.8	85859	110994.4	93131.3	TRUE
318522.5	285775.5	259466.7	260551.3	299928.3	271124.9	333599.1	302336.6	TRUE
76388.8	71665.9	74730.4	74785.8	74138.4	64164.8	60662.9	78875.6	TRUE
75566.3	70649.2	52998.2	68235.7	80263.3	75654.9	82609.7	91530.9	TRUE
118943.8	139559.8	143880	121446.6	134480.4	134944.5	149651.2	139403.8	TRUE
62867.5	63968	59944.4	41290.7	61872.3	59672.8	58519.1	59114.8	TRUE
344930.4	321165.3	323592.3	332022.4	359308.8	319480	372081.6	334697.5	TRUE
64799.2	61205.3	35044.8	82555.4	60796.5	57236.1	65569.9	59189.1	TRUE
448353.2	455154.8	405317.5	416915.5	371208.2	466304.2	518038.3	432183.9	TRUE
17576.3	9618.2	24034.9	28209.3	19506.4	22316.4	16290.3	24078.3	TRUE
49739.4	63018.9	58037.1	55400.4	61514.9	51727.5	51205.1	40662.4	TRUE
89163.2	75443.7	95619.4	114697.6	79379.1	87213.9	86042.3	102332.8	TRUE
79539.2	46580.2	75328.6	87587.8	51011.8	69005.8	89121.7	81089.5	TRUE
412118.8	342601.5	438049.5	467276.8	375030.9	373532.5	380260.7	365622.8	TRUE
181254.9	125183.4	195407.8	185508.2	143174.9	126216.1	149047.6	131833.1	TRUE
830885.6	733934.1	950058.1	1022081	783935.2	966560.8	812997.2	808289.2	TRUE
306380.5	248957.7	320068.8	305219.4	277400.2	292877.1	290193.3	289073.7	TRUE
747565.9	678367.8	766895.2	809192.2	767803.7	746223	708007	708544.2	TRUE
128933.8	135766.5	125179.1	145152.3	112871.3	117053.1	158367.8	155282.6	TRUE
192983.2	250532.5	247621.1	363561.3	274126.9	199450.2	166521.5	203375.8	TRUE
35347.6	73073.1	39239.7	93536.2	81523.4	27980.8	11384.1	32687.5	TRUE
9711.7	12664.8	8142.8	8184.7	5939.9	9316.2	15897.3	28624.2	TRUE
47544.3	24433.5	38873.3	31367.8	43872.6	36592.7	37730.4	45625.7	TRUE
181827.1	160788.5	139026.2	152680.2	182485.5	140164	191660.3	180373.2	TRUE
261067	229597	295963.2	310891.2	221649.1	209369.5	247209.5	230720.2	TRUE
59030.6	71401.7	63167.4	73033.2	56130.4	63306.3	51017.8	63656.6	TRUE
1019971	1028636	789129.9	897395.7	868060.2	834859.6	1029214	865419.4	TRUE
70251.9	252138.6	136839.5	163178.7	235427.5	26221.4	27334.7	35185.9	TRUE
2706400	2242079	3108948	3025013	2282111	2498750	2524668	2300978	TRUE

989569.7	899137.2	938721.1	922891.2	835484.5	914283.2	983563.8	953725.8	TRUE
1006388	923931.8	1003295	983330.8	806091.2	903276.3	975826.8	943019.2	TRUE
88253	126820.2	109235.3	167745.2	150658.2	71544.5	69578.4	63617.4	TRUE
220210.7	220593.6	141388.8	120673.4	213765.4	150833	158327.5	215453.3	TRUE
1163290	1206963	1019252	914178.9	1809126	1011488	1489642	1875618	TRUE
31409.6	95048	32071.9	44460.9	100494.2	14132.3	9671	35632.1	TRUE
41944.8	38752.6	40646.6	41636.4	45690.8	41256.1	57058.5	39128	TRUE
228047.3	257763.9	200867.2	193076.3	275532.5	214927.2	264690.4	267050.5	TRUE
353134.7	352497.8	328012.1	458131.1	294000.7	301403	367737.1	328950	TRUE
179983.4	166649.1	162839.7	189769.3	161014.1	159161.3	190824.4	185911.4	TRUE
80147.8	101287	89725.7	78420.8	88073.5	75697	90243.2	65031.9	TRUE
92945.2	115054.5	98437.7	115066.5	90032.2	100643.6	93177.8	78556.3	TRUE
119158.2	128409.1	137187.8	144614.4	127253.9	97468.6	125930.4	107213.9	TRUE
625344	650017.6	585652.4	573921.1	538057.1	595549.8	637901.8	576372.9	TRUE
103340	119869	96112.7	101958.8	103363.3	127574.4	120267.4	103099.9	TRUE
400004	449172.3	306550.9	327448.2	353313.2	334228.4	405233.7	367589.5	TRUE
359605.9	367527.2	374209.3	339888.4	336038.8	369569	362021.7	310042.9	TRUE
289368	286950.5	286210.6	303725.5	296114.1	297278.4	275912.3	260113.8	TRUE
873981.2	826674.3	898806.6	845778.7	806067.5	938590.2	792599.1	808641.9	TRUE
152178.5	142341.9	209572.6	200247.6	145728.5	107793.9	170771.8	154906.5	TRUE
1076637	1007927	1257261	1212057	1061764	1122666	1122054	892744.5	TRUE
167079.8	148651.5	150314.1	200868.3	137825.9	145898.3	183217.2	204118.4	TRUE
84461.6	119997.5	72098.3	77775	125515.7	74526.6	96543.3	98061	TRUE
646833.1	899187	1683462	661027.4	923259.8	475389.6	1053971	856170	TRUE
122825.7	132285.4	96394	96686.1	138103.3	143540.4	152301.6	123729	TRUE
21665.6	38066.5	34598.2	13718.8	15001.2	27396.5	17325.9	15954.2	TRUE
22809.1	8292.5	8488.7	9409.4	8998.9	6679.5	24658	12135.2	TRUE
228873.7	236941.1	115667.5	182856.4	206123.9	189588.1	196720.6	182194.1	TRUE
238773.4	198809	223931.9	208876.6	192981.3	220918.9	213120.9	207631.6	TRUE
127467.4	142847.5	145171.6	136581.2	172819.7	133332.4	172302.8	142072.9	TRUE
472999.1	521852.5	452658.4	550788.2	527660.3	512678.4	525365.7	550151.2	TRUE
935224.6	962732	1016128	1051689	895878.2	960053.7	913342.8	1033761	TRUE
747957.7	598064.8	792429.6	809922.2	725580.6	749039.7	765386.4	749729.7	TRUE
39524.2	34301.5	26355.3	27397.3	30646	22492.5	42253	33825.7	TRUE
384667.7	399025.4	337595.2	345270.1	303326	367807	414691.4	343102.9	TRUE
172154.3	218618.8	179768.7	198641.6	174086.5	182580.8	228299.3	153146.6	TRUE
254381.5	255031.7	213944.4	281095.8	313387.7	238637	288769.3	298770.2	TRUE
283941.3	254773.2	225540.3	281558.6	341380.1	261870.4	297770.1	345525.9	TRUE
388512.5	368680.8	276962.7	378746.4	409594.3	298330.6	351211.4	409131.7	TRUE
397151	320063.9	316353.4	409769.3	469256	380124.7	357621.6	481808.8	TRUE
248996.9	317941.9	211561.5	251174.5	288039.8	217219.2	278514.4	319503.8	TRUE
179566.3	209559.4	132813.4	156326.1	162841.1	149956.9	183676.6	211384.2	TRUE
102048.5	101070	96959.6	119112.1	133579.5	84910.5	128052.2	125983	TRUE
100906.7	95399.6	95909.9	97185.6	115726.2	105019.8	96813.4	107379.1	TRUE
40000.8	58213	44985.2	49339.6	79600.7	23583.9	6978	12964.5	TRUE
31837.5	77192.5	34876.3	51754.4	83606.6	16369.6	11165.3	11663.9	TRUE
252269.1	277664.5	341031.2	292648.9	252942.2	287523.6	301641.6	293839.3	TRUE

367231.4	416844.2	327996.2	405549.6	359433.5	398040.2	450600.9	417113.5	TRUE
485532.3	596135	889248.8	518515.6	416096.1	460173.9	575021.3	451049.7	TRUE
553430.9	639699.6	513499.5	553675.5	492567.1	560341.1	643605.4	612004.7	TRUE
513178.8	611195.6	680070	518496.1	399025.9	478105.3	593558	551866.7	TRUE
486027.9	490997.1	481543.7	534070	417423.9	461880.4	518011.1	509027.2	TRUE
121721.8	129385.4	108114.9	99866.4	124620	116946.1	142879.2	123942.7	TRUE
1642547	1634317	1302691	1621119	1699726	1406326	1842917	1760923	TRUE
89398.9	136803.3	85262.6	110290.2	111096.2	50757.8	65707.8	71688.8	TRUE
2068338	2009355	2072889	2212348	1843305	1976514	1970223	2100147	TRUE
2018315	1810632	2167726	2278556	1899047	2137394	2157555	2157636	TRUE
317680.6	310494.4	263637.8	275076.7	298639.4	271134.7	333597.5	282390.1	TRUE
252521.5	245142.1	230760.7	223953.9	232748.5	205004.6	246517.9	225011.3	TRUE
66852.3	67459.1	44967.8	61549.8	51441.4	34619.9	36417.5	50330.6	TRUE
32792.2	56023.8	18312	31773.8	21040.2	20837.9	25637.6	35935.7	TRUE
41317.4	46504.4	32798.4	46605.9	34244.9	41172.1	38979.8	47009.3	TRUE
19195.9	14768.3	17002.6	9972	25916.5	11493.3	15793.8	24950	TRUE
55241	54259.2	36031.3	64705.2	52822.2	69638.5	76902.8	56743	TRUE
88343.6	91729.6	133005.6	81977.1	79742.8	136633.5	120269.7	112516.2	TRUE
43000.2	49568.9	57452.6	43478.3	38531	48981.6	47807.7	38145.2	TRUE
39304	41374.1	58842.3	38323.7	41716.9	43219.1	38278.3	34170.5	TRUE
185809.6	150992.3	194430.1	218199.5	153011.5	195882.7	208391.7	212784	TRUE
116002.6	93892.6	114037.7	119353.6	104037.9	144456.2	135709.3	140858.9	TRUE
78548.9	78554.8	49655	86433.7	68499.2	57294.1	91771.2	68824.7	TRUE
106966.5	142173.5	76684.2	89681.2	141214.8	91123.2	145944.5	142878.2	TRUE
47959.6	62563.4	66218.6	67675.7	88725.2	79736.1	69908.9	60248.3	TRUE
637128.7	573905.4	535564.2	632182.1	449615.1	544708.9	665559.8	659898.5	TRUE
379194.6	322055	283855.2	338481.8	230028.8	304282.6	326515	339164.8	TRUE
47186.7	48808.9	47848.6	54956.4	53400.1	57762.3	67460	55596	TRUE
42681.1	31340.6	25993.8	47082.2	25579.4	27643.9	38899.6	33453.8	TRUE
68562.7	48570.5	60725.6	45621.3	42943.3	58396.8	54783	44893.6	TRUE
13343.5	20370.7	22032.8	9798.1	19496.3	8364.7	9614	13222.2	TRUE
10593.6	12388.5	25631.5	8225.9	21660.7	22277.2	31185.8	22244.2	TRUE
49203.8	54985.9	46925.5	48871.5	64207.8	53757.7	63063.8	48885.2	TRUE
832862.4	727986.1	735966.2	880841.2	910287.4	784802.9	791349.8	933507.1	TRUE
374155.8	308533	337919.5	356846.5	436308.7	338700	360494.6	416924.4	TRUE
250090.4	227871.8	268997.1	256526.7	332616	282524.5	257868.8	276131.2	TRUE
74476	125257.8	68379.3	99831.4	115207.9	70368.8	88291	65848	TRUE
78883.9	105760.2	82441.9	78766.4	106875.8	74077.8	74015.5	72010.5	TRUE
115702	102141.9	72797.8	100244.4	96841.4	84894.2	101089	117898.9	TRUE
523817.5	600755.7	514039.1	516122.2	477858.6	547443.9	560943.2	559256.6	TRUE
1916959	1949893	1842313	2017868	1810544	2168112	2187873	2161851	TRUE
66302.2	82831.9	77992	86153.1	102228.6	54529.1	55384.6	46970.5	TRUE
153810.5	150631	89227.2	102402.7	105711.9	140617.2	173235.3	142514.4	TRUE
312316.6	252821	186970.5	208039.5	187297.7	232796.7	248451.8	278775.3	TRUE

141838.8	149307.4	129813.3	135676.8	112751.8	200625.8	187375.2	171154	TRUE
122088.1	136340.8	122779.5	89339.2	104342.6	131070.1	155940.8	123573.3	TRUE
135106.1	93976.7	139293.3	142627.6	130394	132809.9	107062	130397	TRUE
187977.9	170906.4	158866.3	181428.2	194017.9	169505.5	166452.5	164288.7	TRUE
1128537	927590.7	984865.1	1224967	1156265	1053152	1044810	1087389	TRUE
1832127	1542757	1571779	1842388	1824975	1697818	1606339	1790947	TRUE
585468.6	565819.3	553217	646414.4	620669.8	582208.1	638240.9	616518	TRUE
183810.4	179450.6	195241.6	223054.8	197486.8	187318.1	176700.4	214376.3	TRUE
73778.2	184020.5	154729.3	185271	250942	92440.3	93384.5	47982.6	TRUE
73455.3	70134.2	68216.4	80709.3	64964.1	73756	74054.6	77007.9	TRUE
321993.7	273489	257433.2	319889.4	286764.9	303270.4	342093.1	273310.9	TRUE
1386009	1337134	1300592	1278760	1263592	1391901	1332173	1303283	TRUE
924508.8	889303.2	888887	932720.2	941321.6	883941.2	887393.5	900308.6	TRUE
2522549	2467889	2406011	2820330	2951676	2562858	2669672	2930153	TRUE
3331346	3167868	2887219	3834835	3762574	3208522	3650514	3997012	TRUE
38580.6	32909.2	30612	45698.3	35902.3	38078.3	44481.5	49122.9	TRUE
7395.6	10497.1	6105.8	9475.7	3585.2	7927.3	7558.6	8912.6	TRUE
31603.1	31175.7	28617.2	44226.7	38813.5	23264.1	34150.1	35294.2	TRUE
222300	199701.8	263983.6	232269.6	213759.3	233694.6	256093.4	240258.2	TRUE
77279.2	193739.1	121480.5	135590.6	165122.3	53583.7	68985.2	67364.3	TRUE
28049.7	21711.7	17584.4	10348.5	22771.6	11746.1	24735	22484.4	TRUE
30021.2	25798.7	32375.5	30810.8	23325.4	45412.8	35202.3	39299.2	TRUE
1024535	824986.9	747726.9	839884.9	846518.3	707295.4	767702.1	762446.3	TRUE
123363.1	122052.6	109797.7	118256.5	122877.7	137194.2	145074.8	116064.7	TRUE
1407906	1506059	1333123	1409239	1352059	1440738	1393487	1481653	TRUE
1967732	1796827	1970555	1890962	1853765	1947610	1908235	1913580	TRUE
54978.9	139254.2	69366.4	140695.5	150931.2	99658.3	111378.9	66672.1	TRUE
96949	80914.6	83784.7	113977.6	102862.9	115804.5	126017.2	123767.3	TRUE
369741.9	255127.4	241877.3	359613.5	298598.5	411416.7	432443.7	464412.6	TRUE
104861.6	100907.7	72822.1	100820.1	107283.4	93434.6	121192.7	133749.4	TRUE
19583	85147.5	61473.2	79540.7	65537.7	46634.2	49838.5	15783	TRUE
172680.8	158085	174487.9	169289.1	152333	198473	187581.2	202579.6	TRUE
258811.3	232164	270023.6	245234	237487.3	359852.9	290834.4	305576.1	TRUE
155907.9	154419.2	182926.7	179031.9	134845.9	192838.4	192910.4	209049.8	TRUE
178330	168583.2	127208.4	136308.1	150116.1	120574.8	159996.4	148055.1	TRUE
336508.1	344573.6	276943.1	318224.3	288752.3	281992.2	364071.4	317914.7	TRUE
166067.6	179402.6	118827	136293.7	161920.1	146340.3	209492.7	176148.9	TRUE
65504.5	69904.4	52166.6	31764.1	57862.1	52972	60441.9	61460.4	TRUE
26382.6	60782.8	52300.5	61185.4	50635	22432.7	31362.6	28565.1	TRUE
340451.3	327050.3	342110.5	412274.5	288982.4	348632	326431.9	359156.1	TRUE
268852.9	233784.8	204128.4	245395.8	222904.1	253841.2	330311.4	269620.3	TRUE
32496.5	23833.8	7962	10764.8	7424.3	21286	16604.6	37806.1	TRUE
118341.2	139906.1	87452.7	132272.4	118033.7	89991.2	125835.6	134732	TRUE
704682.4	460188.1	595469.2	749032.4	641315.3	770011.1	620186.4	748968.5	TRUE

30412.1	27862.9	22884.3	38815.4	29600.5	17523	15656	19803.6	TRUE
47577	28820.1	42577.7	33814.6	38044.1	38133	47617.3	36607.4	TRUE
39021.6	28891.1	23472.2	27573	43539.6	27928	57345.9	31915.3	TRUE
189201.6	183010.1	140984.8	165542.3	223307.3	174149.3	241968.8	210189.3	TRUE
121029.6	123930.4	50501.4	57227.2	66023.3	49037.6	66550.8	84600.1	TRUE
166947.8	185625.4	127655	166346.4	162948.9	144856.7	196490.3	147355.8	TRUE
247300.1	224377.6	184264.8	200603.2	306842.4	185282	243585.6	317975.2	TRUE
829625	819084.7	678733	890984.2	853308	669185.7	872037.4	925441.7	TRUE
155485.9	161581.6	135610.4	177552.5	180131.1	147089.5	194128.8	181709.8	TRUE
173492.3	161001.6	152850.1	155047.7	173369.2	142531.7	195785.5	184324.1	TRUE
33624.5	58842.2	55290.2	57373.7	94364.6	21263.2	8929.9	14398.8	TRUE
17119.3	30076.5	28164	37577.5	36711.6	14099	8861.4	13964.2	TRUE
22634.2	19971.5	17588.2	26620.6	20622.4	18330.1	25036.4	29688.2	TRUE
47158.5	105405	61063.3	92340.6	72688.1	32263.2	34155.2	26349.5	TRUE
21786.3	7147.3	30094.2	11537.5	8827	18341.9	28504.8	28025.7	TRUE
16655	21088.1	20818.9	11160.8	17685	25541.8	20096.9	12589.7	TRUE
431401.2	437835.9	320197.2	474623.2	488679.4	333412.5	504618.9	506777.8	TRUE
889247.9	891922.5	820655.4	897285.9	564490	868187.4	923758	849788.8	TRUE
298455.2	305712.4	346010.2	373580.7	250940.6	379231.4	343733.6	345615.3	TRUE
53424.2	53622	35518.2	54251.1	36003.4	66218.8	61027	81751.4	TRUE
76456.9	45011.2	62409.4	73152.8	53867.3	74333.5	70828.4	73883.4	TRUE
180830.5	128655.6	172327.2	179118.6	154010.9	207997.8	210757.9	232332	TRUE
55515.9	38565.5	42802.6	47985.5	41799.1	51004.4	32077.8	44173.8	TRUE
17162.8	38838.8	43914.6	31741.6	46306.1	26293.7	34684.1	39333.3	TRUE
318208.2	291350.6	254970.4	317509.1	271798.2	313792.6	317838	322269.6	TRUE
1675332	1582053	1489538	1659406	1524048	1787397	1617535	1734119	TRUE
190668.4	203752.3	139045.2	193246.9	206251.3	152211.3	176313.2	211871.3	TRUE
45534.2	62554.3	31010.9	44016.4	56494.7	27877.4	53972.2	32847.1	TRUE
105262.6	77833.9	95126.2	165198.7	122516.8	97900.4	137991	114851.7	TRUE
104523	87035.1	94580.5	108295	113494.5	91464.8	104034.2	110444.8	TRUE
123769.4	95961.8	114131.9	125747.1	141913.2	120114.8	123261.3	161482.2	TRUE
131503.8	114476	84606.8	104696.2	148200.1	89468	129531.8	124057.1	TRUE
363548	323924.3	213713.8	227030.6	273982.5	236725.4	297467.1	312570	TRUE
145984.1	140976.5	164016.7	244577.2	356367.7	181209.4	260297	272095.3	TRUE
98292.4	88684.9	88626.3	142440.7	123385.6	102625.4	115464.3	103188.3	TRUE
72292.1	60225.9	79120.5	94123.7	70942.2	78350.8	89755.6	84897.7	TRUE
92124.8	84374.8	100313.8	93011.1	72378.1	106818.9	91997	94274.4	TRUE
62355.1	66812.7	50831.3	69412.8	61497	49117.4	67086.8	57868.4	TRUE
68672.1	70836.3	66040.5	63917.5	65954.6	90315.1	90312.6	72209.7	TRUE
494583.4	366602.5	476423.4	566654	438385.4	529994.7	427944.8	605526.9	TRUE
412915.4	292820.1	396899	446995.8	365569.2	450770.5	360517.5	351094.3	TRUE
1079666	790908.1	770155.1	768068.5	1106484	1283317	886083.7	1130707	TRUE
44538	28703.8	32662.3	39946.9	35211.9	39519	44188.5	40028.5	TRUE
31298.8	24537.8	22047.6	39826.6	36300.1	38522.6	28509.6	29777.5	TRUE
31512.1	28584.4	28320.5	43819.5	33060.9	38402.7	43023.9	36751.3	TRUE
21612.5	12082.4	20508.3	11687.5	30746.2	23934.7	27125.6	15381.9	TRUE
48951.2	49487.7	41046	66365.3	52208.9	42335.6	54089.6	56899.2	TRUE

35816.3	27351	43484.4	39211.3	31494.5	56402.7	44125.9	25142.6	TRUE
330824.5	215773.2	209271.3	309307.7	298966	349272.5	277544	382588.5	TRUE
55680.9	37743.8	21905.1	36738.2	38516.4	49066.9	34441	61354.7	TRUE
109087.8	84998.3	91398	73447.2	88348.2	81514.1	97537.6	110305.8	TRUE
42118.1	42430.6	39054.3	33099.6	41856.7	46374.5	34687.3	53694.8	TRUE
175335.2	152316.6	136804	161265.8	190295.4	245686.6	137517.6	205855.3	TRUE
75493.7	69281.6	45817.2	66977.6	54042.7	61309.7	74851.6	56443.2	TRUE
133395	127393.3	132348	124060.8	156469.6	114941.4	129891.1	127864.3	TRUE
46813.1	46365.1	65527.6	34029.8	44160.5	41383	31160.3	34578.1	TRUE
72043	94566.4	82855.1	80299.4	89222.1	58308.1	89558.5	57892.7	TRUE
100627	65021.4	82410.5	76288	68567.1	53586.5	67485	57741	TRUE
389199.9	233270.7	374676.6	478635.4	356625.7	392058.7	282217.8	376240.2	TRUE
76972.7	67109.1	64805	64453.6	72665.6	103226.4	71239.6	70088.2	TRUE
48686.9	56288.2	62708.3	64830.8	62283.9	51772.4	47300.5	74157.7	TRUE
108088.6	102393.7	119355.2	139611.2	148968.7	123655.6	112867.3	150160	TRUE
97499.2	81851.6	115576.3	115567.8	88935.5	102935.7	81712.1	98457.7	TRUE
38345.9	12291.7	30388.6	40518.4	36011.3	38229.1	35887	29890.4	TRUE
103887.8	89568.7	65882.3	87561.6	65912.9	97677.6	100694.2	84770.1	TRUE
227364.2	182411.3	207988.2	209287.3	235197.6	280203.6	254521.2	279218.9	TRUE
93673.4	80919.6	73124.6	80528.5	82770.8	87779.7	96601.2	85612	TRUE
29928.7	20113	13706.8	28454	22006.6	22244.6	8173.1	34064	TRUE
28944.5	24125	9168.3	21886.2	29614.2	32640.1	30773.8	28643	TRUE
193490.6	178909.4	216935.2	302510.3	214852.5	226129.4	175725.1	168997.7	TRUE
158394.8	116858.1	189813.7	141562.7	138256	157199.9	115975.1	140926.7	TRUE
518432.5	423633.9	673158.1	589678.1	503266.3	623736.2	395457.8	507111.5	TRUE
809792	850207.8	644731.4	692126.3	911351.5	981815.1	861660.2	907673.9	TRUE
3897303	2979009	3151134	3813429	3765305	3372290	3274548	3703418	TRUE
2384570	1994080	1864587	2276177	2286252	2033410	2047316	2399647	TRUE
991554.5	924324.2	1157900	1445476	1260717	1199684	1188477	1190258	TRUE
418954.5	406220.1	462465.9	503149.3	507720.2	542522.7	514410.3	504134.7	TRUE
3812544	3580409	3446377	3473700	3543371	4031264	3827198	3773810	TRUE
3955403	3627380	3406306	3552512	3729714	4040371	4077837	3776246	TRUE
219649.7	297156.5	192276.8	163178.7	195512.7	163659.2	344129.2	185674.9	TRUE
36741.5	26720.1	31520.4	24374.8	39388.5	35052.9	28464.2	37918.9	TRUE
26240.7	11581.7	8753.4	12269.2	31405.1	33773.6	14308.8	32912	TRUE
25214.1	9545.7	19284.1	10321.7	22506.6	22470	17394.1	37392.8	TRUE
496876.2	503519.9	338327.9	420490.3	378628.4	355340.8	437932.7	380103	TRUE
906253.5	862906.1	888608.8	944327.3	743293.8	832495.1	782817.5	793170.9	TRUE
6130082	5579599	4986235	5178941	5882685	6636500	5742100	6771126	TRUE
28401.1	6955.4	8837.4	16797.1	9662.9	31281.1	11262.8	18583	TRUE
234134.3	178105.1	178923.6	188810.8	235912.4	244573.3	235227.2	282235.2	TRUE

69829.8	52430.6	57070.4	72169.8	68957.4	80373.1	64899	81515.8	TRUE
2620048	2374735	2032129	2369695	2224843	2429537	2475132	2405783	TRUE
201517.7	183206.5	172036.2	184496.3	179394.9	228325	205661.1	213492.9	TRUE
114260.9	335578.6	175717.3	332923.5	361179	52492.3	56067.5	69793.6	TRUE
13140655	11499461	10998626	12285273	11584240	12405951	12277331	13110401	TRUE
454140.2	420318.1	423231.4	431469.7	438056.7	453495.2	464114.9	459575.4	TRUE
1332474	1138228	1209768	1281427	1177461	1306357	1159336	1283335	TRUE
30184.9	30626.1	30984.6	37081.2	32566.2	39559.6	21459.1	34560.9	TRUE
59007	50969.3	50208.3	68566.8	54043.2	70063.3	58412.8	74063.2	TRUE
25953.4	27349.9	21472.6	34561	24355.3	22207.9	18814.1	47896	TRUE
40905.5	46376.3	40644.9	52110.6	54243.9	48377.5	36737.5	55173.2	TRUE
115053.8	89169.9	86591.5	114833.9	148537.9	137226.2	145839.5	173976.3	TRUE
33190.8	35018.9	35424.7	41024.6	31894.7	22490.7	25273.6	42303.3	TRUE
142920.7	197130	203426.2	162757.6	203223.5	135973.9	134725.5	138036.1	TRUE
40344.1	38766.4	43997.2	42920.7	39999.6	64411.4	50193	49201.6	TRUE
99204.7	114437.1	89032	104621	106015.7	101993.2	99150.8	123593.1	TRUE
51537.5	44688.7	37153.6	42054.7	55333.3	50033.5	49965	68995.7	TRUE
89543.3	75079.9	73216.4	96020.6	74905.6	78874.3	88730.4	104415.3	TRUE
57859.5	52964.2	45218.1	84143.2	59473.6	77140.1	74520.1	85011.2	TRUE
54447.7	41089	39688.4	52524.2	51219.4	72843.1	58918	58049.2	TRUE
66742.9	67256.2	53093	54111.6	61387.6	81029.8	59858.5	65888.4	TRUE
85142.7	107444.1	80435.3	88862.4	77329.9	90298.3	84081.9	100166.1	TRUE
19905.2	12462.7	23600.8	24344.4	43371.8	33988.2	21883.5	29589.2	TRUE
69922.9	53152.1	40114.8	67611.2	85627.2	51992	59217.8	104105.6	TRUE
47756.5	43392.8	41493.2	57468.2	64474.4	42298.4	60247.4	65009.1	TRUE
240111.2	252665.3	180949.7	285669.4	409015.2	169789.5	273547.3	429021	TRUE
5576.8	28532.3	11398	8789.1	11907.8	9110	13115.6	13488.9	TRUE
183378.7	152353.4	158233.4	158967.3	179190.7	191833.1	171098	197001.9	TRUE
78422.2	62265	59342.1	78172.5	93159.9	67682.6	62412.8	73992.1	TRUE
65796.7	78691.9	59898.6	115612.9	84812.7	56540.5	100711.9	96512.2	TRUE
21938.1	23637.4	33050.7	43244.8	37860.5	20048.3	22765.1	24084.9	TRUE
44146.7	41132.5	27869.6	33641.7	35996.9	47460.9	38367.5	38168.1	TRUE
8646.9	7760.8	11893.4	13579.6	7477.3	12200.7	18131.1	8789.8	TRUE
2243249	2101814	1895417	1940069	2713242	2066177	2112951	2037196	TRUE
51663.5	52985.1	60808.8	44382.7	52272.9	51956.4	42132.7	44792.4	TRUE
73884	40275.6	71000.7	90582.8	71395.3	89817.9	62768.9	70684.1	TRUE
95904.5	78316.9	110631.1	102164.8	106291.4	107073	79193.2	101965.2	TRUE
34523.4	30775.2	42053	41189.2	41631.3	39212.3	30799.3	39874.3	TRUE
79222.8	91725.5	102040.8	130240.5	109185	79040.2	97224	99302.5	TRUE
2362252	2478094	2227547	2281509	2687338	2861123	2550895	2659257	TRUE

73060.5	67712.6	77157.5	103932.9	104871.2	108855.2	70307	83506.3	TRUE
60044.5	55522.3	45419.5	42644.4	45377	42839.1	41058.9	38946.4	TRUE
176463.6	140951.3	215142.1	209892	229550.8	245723.6	183974.6	203214.3	TRUE
80979.9	64081.9	96401.7	101609.9	112412.8	122165.1	63473.3	107620	TRUE
57434	37101.7	65388.2	71669.6	76132.9	70151.3	52914.2	60979.8	TRUE
184263.5	125767.3	182044.9	172769.4	118791	229061.8	182546.2	156137	TRUE
1359618	1357472	1484463	1277181	889947.7	1472334	1414653	957293.7	TRUE
36281.9	31271.8	29038.2	38752.8	11022.4	30291.2	36636.7	24749.6	TRUE
198404.7	188107.4	167207.5	139595.8	122072	186015.8	168175	130028.7	TRUE
1099617	302823.7	401627.3	370917.1	311143.4	394968.4	425835.3	335907.5	TRUE
262435.8	214395.8	343275.1	332690.5	249483.3	361528.5	326312.9	243592.4	TRUE
54710.8	38333.3	54089.1	32154.8	32505	54479.3	50900.6	46127.5	TRUE
145168.8	150221.6	156181.4	111061.8	92745.7	141728.3	149353.8	110588.1	TRUE
208885.2	210524.3	221772.5	206547	165427.8	223611.9	196355.6	179063.8	TRUE
438612.1	410273.3	445745.8	439136.1	448583.4	464193.2	448074	436137.9	TRUE
46755.5	56025.8	38098.5	49590.5	50494.4	53764.3	52926.4	39726.7	TRUE
611984.3	580533.5	702206.4	615772.6	504602.3	703518.4	706429.4	501586	TRUE
143149.4	123282.7	160464.1	170964.3	166580.3	166272.8	159479.6	138299.1	TRUE
151122.3	119315.7	130692.9	147107.8	145165.1	152300.4	165846	135265	TRUE
45728.6	69624.7	54363.9	49696.2	41713.6	34966.1	48843.6	41638.1	TRUE
247426.7	199507.9	299488.5	304754.1	304841.5	280176.5	214824.7	280957.6	TRUE
99169.7	82544.5	101961.3	101938.3	114302.4	92972.1	79971.7	110977.7	TRUE
69183.8	74733.5	64447.6	69603.2	61916.8	66426.5	86698.7	82407.6	TRUE
92862.5	112780.5	83815.3	126749.7	92403.6	119647.5	135816	85137.3	TRUE
160131.6	160512.5	151642	137096.7	95723.8	140650.4	162571.7	106610.8	TRUE
599856.8	568691.1	507212.1	461710.8	361941.1	514405.2	470183.4	381220.6	TRUE
1139976	1119383	1413205	1461476	993508.7	1512629	1426484	1056439	TRUE
565535.3	578263.9	712664.8	775530.9	561216.9	732078	795990.4	536630.1	TRUE
339180.3	283192.9	471721.5	454310.4	347153.3	422367.6	341029.9	419409.7	TRUE
204898.2	206045.3	201704.1	289445.2	195195.5	222417.1	212595.6	209708	TRUE
227589.3	237102.1	232087.2	189208.1	186904.6	244991.1	236512.5	187663.6	TRUE
195329.5	218226.8	206997.3	220016.2	264223.1	164155	191655.3	182951.8	TRUE
89484.1	95186.9	68882	98218.9	80290.3	136696.6	124720.8	142996.9	TRUE
297662.4	266354.9	301566.6	229018	250997.6	303615.2	239880.6	244412.5	TRUE
88938.1	74437.3	102281	55988.5	75076.9	83317.8	80884	85717.7	TRUE
266817.9	197859.2	257854.1	320566.6	299138.9	192737.4	232133.3	249066.5	TRUE
90825.2	98196.9	75572.3	99433.1	82013.1	94450.9	105221	57664.9	TRUE
61755.6	90194.3	67506	79690.3	64164.9	63799.1	55578	41363.4	TRUE
23636.1	25824.4	8567.8	16117.3	28469.5	13034.8	12393.9	16746	TRUE
1359618	1357472	1484463	1277181	889947.7	1472334	1414653	957293.7	TRUE
36281.9	31271.8	29038.2	38752.8	11022.4	30291.2	36636.7	24749.6	TRUE
198404.7	188107.4	167207.5	139595.8	122072	186015.8	168175	130028.7	TRUE
1099617	302823.7	401627.3	370917.1	311143.4	394968.4	425835.3	335907.5	TRUE

262435.8	214395.8	343275.1	332690.5	249483.3	361528.5	326312.9	243592.4	TRUE
54710.8	38333.3	54089.1	32154.8	32505	54479.3	50900.6	46127.5	TRUE
145168.8	150221.6	156181.4	111061.8	92745.7	141728.3	149353.8	110588.1	TRUE
208885.2	210524.3	221772.5	206547	165427.8	223611.9	196355.6	179063.8	TRUE
438612.1	410273.3	445745.8	439136.1	448583.4	464193.2	448074	436137.9	TRUE
46755.5	56025.8	38098.5	49590.5	50494.4	53764.3	52926.4	39726.7	TRUE
611984.3	580533.5	702206.4	615772.6	504602.3	703518.4	706429.4	501586	TRUE
143149.4	123282.7	160464.1	170964.3	166580.3	166272.8	159479.6	138299.1	TRUE
151122.3	119315.7	130692.9	147107.8	145165.1	152300.4	165846	135265	TRUE
45728.6	69624.7	54363.9	49696.2	41713.6	34966.1	48843.6	41638.1	TRUE
247426.7	199507.9	299488.5	304754.1	304841.5	280176.5	214824.7	280957.6	TRUE
99169.7	82544.5	101961.3	101938.3	114302.4	92972.1	79971.7	110977.7	TRUE
534883.1	422078.6	511924.7	538447.6	601100.4	576297.7	477276.9	569628.6	TRUE
69183.8	74733.5	64447.6	69603.2	61916.8	66426.5	86698.7	82407.6	TRUE
92862.5	112780.5	83815.3	126749.7	92403.6	119647.5	135816	85137.3	TRUE
160131.6	160512.5	151642	137096.7	95723.8	140650.4	162571.7	106610.8	TRUE
599856.8	568691.1	507212.1	461710.8	361941.1	514405.2	470183.4	381220.6	TRUE
1139976	1119383	1413205	1461476	993508.7	1512629	1426484	1056439	TRUE
565535.3	578263.9	712664.8	775530.9	561216.9	732078	795990.4	536630.1	TRUE
339180.3	283192.9	471721.5	454310.4	347153.3	422367.6	341029.9	419409.7	TRUE
204898.2	206045.3	201704.1	289445.2	195195.5	222417.1	212595.6	209708	TRUE
227589.3	237102.1	232087.2	189208.1	186904.6	244991.1	236512.5	187663.6	TRUE
195329.5	218226.8	206997.3	220016.2	264223.1	164155	191655.3	182951.8	TRUE
89484.1	95186.9	68882	98218.9	80290.3	136696.6	124720.8	142996.9	TRUE
297662.4	266354.9	301566.6	229018	250997.6	303615.2	239880.6	244412.5	TRUE
88938.1	74437.3	102281	55988.5	75076.9	83317.8	80884	85717.7	TRUE
266817.9	197859.2	257854.1	320566.6	299138.9	192737.4	232133.3	249066.5	TRUE
90825.2	98196.9	75572.3	99433.1	82013.1	94450.9	105221	57664.9	TRUE
61755.6	90194.3	67506	79690.3	64164.9	63799.1	55578	41363.4	TRUE
23636.1	25824.4	8567.8	16117.3	28469.5	13034.8	12393.9	16746	TRUE
26807.1	20003.8	11484	16037.1	23651.5	24863.9	10184.8	27621.1	TRUE
2580456	2269983	2795667	3062100	2119286	2987371	2899203	2319871	TRUE
74840.3	97684.6	49168.7	99728.2	118227.3	52462.5	126891.1	117829.6	TRUE
365259.7	708828.6	161143.2	699552.2	761637.5	162021.2	725536.6	757642.8	TRUE
417175.4	781302	202291.1	705707.2	868231.2	205214.6	823592.3	839035.5	TRUE
535886.5	472097	569505.4	549666.5	499071.2	528531.6	477971.9	615375.5	TRUE
988218.2	876013.5	1157341	993831.1	721935.5	1197678	875199	722217.6	TRUE
224563.4	194494.8	249465.7	178461.1	159590.4	245189	203065.1	198129.3	TRUE
480707.4	282388.7	426895.1	449878.7	547873.4	403153.6	320226.7	388552.9	TRUE
144739.5	90105	120298	122006.9	166870.6	128696.2	89734.6	151270.9	TRUE
29278.7	25447.6	45850.2	20694.3	42193.4	19361.7	31046.6	24821.5	TRUE
63697.7	38469.5	38072.1	60869.7	43945.9	70999.8	63919.6	74214.1	TRUE
361718	286681.2	342530	279270.5	208852.2	527918.5	390218.1	299887.1	TRUE
139175.1	82324.8	120608.4	131086.1	109839.5	127935.1	121348.2	155278.5	TRUE
627901.4	390734.1	616695.9	644070.7	909353.3	587121.3	534792.8	663353.3	TRUE
153443.3	147103.5	175476.4	139747.5	145866.1	158169.8	139446.8	151397.7	TRUE
112443.9	101880.8	94663.6	74930.3	82867.4	87118.3	120212.7	99674.7	TRUE

61572.8	58469.6	72289.1	47029.2	47496.6	82603.3	81978.1	64022.3	TRUE
63459.2	61691.7	60346.8	63322.7	66529.6	68082.7	54588.7	67315.9	TRUE
101903.7	98684.3	80778.8	91905.5	96483.4	73538.9	98317.3	75551.2	TRUE
105849.1	100572.6	87912.8	125046.5	101514.2	105914	94537.9	111044.6	TRUE
69349.1	45515.6	88718.9	69031.8	82364.3	116723.6	99162.5	75371.4	TRUE
48475.5	38338.3	50053.6	53192.9	43963.3	46709.5	54921.6	40704.3	TRUE
21319.8	28926	32569.8	10080.4	30207.4	18739.5	12314.7	6060.6	TRUE
55416.5	63320.8	46644.9	67103.9	55332.8	59927.5	72934.4	70383	TRUE
566450.4	719799.4	453340.8	533409.4	587224.8	462487.1	727128	631956.2	TRUE
72311.1	74388.4	57105.6	84471.3	76755.9	94245.5	94378.8	99334.3	TRUE
43144.6	42990.3	38326.9	39030.6	43490.1	36636	47429.4	55622.7	TRUE
15547	20753.9	9594.4	11400.4	5524.9	7529.7	10731.8	6763.2	TRUE
7479.4	9120	10023.8	24138.9	15429.7	10592.1	11755.8	10856.3	TRUE
154012.8	189537.2	136858.4	142188.3	200491.4	136442.5	208836	191550.2	TRUE
190722.1	213483	243587.9	258088.1	172886.9	202469.4	227744.5	209143.6	TRUE
242600	269832.8	256949.4	250069	225773.3	232668.8	274835.2	223975.1	TRUE
94819.4	139783.7	63075.5	88894.9	115112.8	50287	138294.9	99391.1	TRUE
110149.2	76973.6	40552.7	79824.2	111880.4	66350	151697.1	118946.8	TRUE
72201.7	74260.7	78744.8	86079.7	53136.3	81987.2	69535.2	92004	TRUE
371887.3	294396.5	371065.7	435943	289393.5	692993.2	425985.2	432981.3	TRUE
45571.2	36655.5	49556	53716.8	43029.7	16994.5	33284.1	40460.1	TRUE
49502	43374.4	39311.4	55815	58928.8	48591.6	64445.3	60528.1	TRUE
70274.8	93813.6	108646.9	71139.5	84605.6	57916.8	98365.3	83119.5	TRUE
362485.6	392121.8	440337.4	452501.7	347000.1	325344.1	400263.9	335966.6	TRUE
195612.4	231440.1	265490.7	271446.7	150169.1	192183.6	198623.4	167922.1	TRUE
72834.1	77310.7	79000.1	80221.4	53816.9	121601.5	112989.4	81083.4	TRUE
64080.7	64875	88541.3	59230.3	43179.1	76770.9	74015.2	51930.7	TRUE
370003.6	443183.4	266962.2	328300.5	405287.3	309759.5	437016.2	406878.8	TRUE
299025.4	333960.6	337530.2	341462.8	216625.6	227717.9	318371.1	232842	TRUE
501526.9	538823.2	555367.5	462420.1	419074.9	477019.4	490893.8	460455.4	TRUE
1217623	1204897	1632210	1956555	927311.1	1275541	1505614	1223027	TRUE
46731.3	61747.2	36072.9	46851	59949.4	36323.4	64763.9	56706.9	TRUE
29118.4	20333.3	10092.9	30258.9	28988.8	39766.4	16110	31547.5	TRUE

39101.7	27424.2	23113.4	37712	37872.8	28983.7	41460.9	31588	TRUE
54930.2	73065.6	81732.7	54056.8	73931.2	60916.2	63585.3	64022.7	TRUE
51441.8	68915.1	90874.4	66352.1	67699.8	34113.3	60879.5	55919	TRUE
12906.3	9700.8	9318.3	17117.3	11821.8	26450.5	12546.7	16809	TRUE
244475.5	248761.4	204164.7	380135.8	243603.6	226069.4	287433.6	256306.5	TRUE
35774.6	40208.6	30978	25586.6	53102.3	15401.4	9504.7	21181.7	TRUE
5031.9	10534.2	13404.9	31420.9	7955.1	8814.4	8622.6	5692.7	TRUE
508631.7	494277.4	511629.7	385376.8	607746.3	557540.2	586703.4	593245.4	TRUE
222479.3	264938.3	264981.1	248474.7	241989.2	182398.8	258770.5	186897.6	TRUE
1014790	1226698	1004360	1043243	1061911	866981.4	1324341	863376.4	TRUE
55688	44888.5	60464.8	69800.4	64867.5	49360.8	56107.2	53277.5	TRUE
84188.3	70849.5	75879	68590.5	82267	63360.8	79488.9	84908.6	TRUE
47309	52116.2	62248.4	64349.4	60540.2	70797.4	57924.2	61695.2	TRUE
121504.1	143218.1	151576.1	117761.8	117768.7	113084.5	131393.6	125295.8	TRUE
48609.9	72605.8	65225.1	71527.5	63409.8	45582.8	46712	51038.3	TRUE
91968.7	102129	128916.2	91372.7	99148.2	97527.1	94012.8	87173.1	TRUE
67772.2	120016.9	189501.4	66218.5	84234.2	65145.8	78115.9	59539.6	TRUE
40095.4	42318.1	33004.2	41012	41206	42061.1	35645.2	44307.5	TRUE
31835.4	30628.2	13600.8	23348.8	28965	30323.5	33106	34997.4	TRUE
106977.3	143896.3	139097.8	151072.1	149064.8	126622.8	113729.1	122021.3	TRUE
541048.6	564984.7	518163.3	544098.6	514117.4	541552.1	558024.1	498262.3	TRUE
626687.8	570001.5	615215.3	674700.7	650713.6	634432.3	617839.8	579107.2	TRUE
49366.3	40169.9	86273.2	78278.6	62261.6	85698.4	58697.3	47383.1	TRUE
391380	221753.4	231837.5	183109.3	165383	308070.2	220886.1	210181.5	TRUE
36044.3	26772.2	28014.7	25965.7	44079.9	34244	44849.7	42602.9	TRUE
132383.4	103105.6	146151.5	183216.5	142372.2	135430.2	138453.8	110768.7	TRUE
56721.7	36153.4	70256.3	37053	42193.6	72803.4	46880.7	42420	TRUE
27116.3	49139	45550.1	42408.1	31212	70695.5	51087.1	29458.6	TRUE
75921.5	79546.2	105555.5	84190.5	74759.9	114976	91316.3	73592.9	TRUE
84482.6	87217.7	85424.5	73793	80735.8	96247.6	94132.7	82191.8	TRUE
93765.3	82902.6	91745.6	91181.4	111024.4	132884.5	100620.8	110114.6	TRUE
20492.1	18064.3	23911.9	9764.8	24231.5	24543.3	26474.3	8240.7	TRUE
32194.7	40959.8	25651.9	49097.1	42815.6	41880.1	33573.6	44299.5	TRUE
83164.2	48809.3	108430.5	81608.5	55257.9	103755.4	68403.3	60406.1	TRUE
225899.7	205955.5	275295.4	185602.9	157193.2	260677.1	212895.4	156003.5	TRUE
32931	44519.4	48451.7	31512.2	38997.8	49511	32220.7	39240.2	TRUE

404341.7	324543.5	567081	448766.3	340674.2	658465.1	416708.9	415712.9	TRUE
226844.9	204749	274159	279679.2	178902	330305.8	225320.9	223809.9	TRUE
153714.4	123244.1	204097.8	173894.6	168694.8	202846.6	144276	203965	TRUE
129866	114098.9	173958	137883.8	114245.2	160598.1	145467	124839.7	TRUE
373732.1	316481.4	315592.3	366573.1	545255.2	330364.4	313925.8	362343.4	TRUE
406128.2	329196.4	332516.1	363099	501314.7	387650.9	363301.9	409137.7	TRUE
108847.9	76506.1	97843	139354.2	115151.5	86971.2	108086.7	115081.2	TRUE
359946.4	293471.6	180488.3	224892.8	324438.6	261008.1	271369.4	300067.8	TRUE
30033.1	24790.4	22841.7	32348.1	30780.1	37093	26905.3	24139.5	TRUE
54489.3	41031.2	64375.3	46356.8	39594.1	66764.8	41160.9	37247.9	TRUE
68275.5	73232.9	97002.6	93638.2	84004.2	110693.8	67071.7	73265.4	TRUE
1645718	958591.1	1429901	1268987	2341570	1518988	1102344	1485630	TRUE
46946.9	45852.1	52676.5	66752.8	39445.8	52699.4	52795.8	35565	TRUE
9492.2	8035.2	25032.1	6745.1	6399.8	22354.8	11654.4	11732.4	TRUE
50149.3	38150	68155.2	30981.1	43365.4	86185.9	50433.2	53499.4	TRUE
47552.1	35753.4	36643	28994.4	30955.9	31947.2	39445.3	35962.6	TRUE
28059.9	26292.4	23500.5	12819	25857.3	31366.3	29510.9	26248.3	TRUE
27773.4	24176.7	23911	10962.5	32928	41827.8	26339.4	39264.5	TRUE
60414.8	79964.6	37294	35891.8	89167.2	36886	66654.9	68240.6	TRUE
33048.9	54205.5	19354.4	24867.2	34826.2	13694.5	38126.8	40869	TRUE
460508.6	491910.7	422269.2	458780.3	393562.4	425991.3	534069.2	387106.1	TRUE
404305.6	296427.1	438860	438638	407819.1	371217.3	353494.6	426375.4	TRUE
321288.2	210481.3	314935.2	303622.6	281074.4	317966.6	229503.8	316875.6	TRUE
20761805	14347319	21987839	21746841	22075302	21257302	15419051	21675326	TRUE
221605	202946.4	214027.7	243329	205184.1	210940.2	229786.4	201588.3	TRUE
454356	374219.8	446045.5	484585.7	391865.3	445896.2	414574.5	453684.4	TRUE
510268.6	513569.4	475125	448038.3	370492.3	542898.1	520520.7	437356.4	TRUE
248277.4	207683.8	255846.2	288804.4	214458.1	254491.9	234050.7	227156.8	TRUE
144205.3	171018.5	161102	187244.4	181453.6	186320.2	215569.4	149490.3	TRUE
337009.6	384511.5	451857.1	486685.7	405407.1	517545.4	532474.1	408992.7	TRUE
184915.9	195800	207081.3	189273.1	160683.8	158592.4	147476	142598.8	TRUE
239844.6	228307.6	322976.9	258382.5	259599.9	290563.9	239242.5	266455.2	TRUE
240961.3	241209.1	212968.1	312046.8	241311.1	244300.6	256298.2	315115.3	TRUE
221027.1	187455.9	257834.6	272853.1	222615.8	304243.5	188236.4	226986.4	TRUE
324658.6	212182.2	469146.5	530359.7	258982.6	275989	207547.4	315584.6	TRUE
192332.7	210533.8	181382.5	210954.7	227185.2	185687.1	209559.4	195073.7	TRUE
411134.5	445978.7	367635.3	434269.6	371512.8	422428.2	449413	378603.6	TRUE
38874.4	38869.7	43360.4	48058.8	35163.4	43531.6	39846.6	35160.1	TRUE
238407.7	220789.7	187063.4	222202.6	215032.9	229032	220844.3	263528.5	TRUE
92116.3	77317.1	76395.4	80132.3	81059.8	77719.5	89419.1	86723.4	TRUE
575537.9	519349.8	506887.9	623834.5	490435.8	576262.2	689828.7	569228.4	TRUE

184083.4	155547.2	140812.5	200706.5	133037.4	165568.3	239109	209376.6	TRUE
566527	480166.4	487953.5	682017.4	632656.7	501424.6	640332.9	615708.7	TRUE
109696.5	128240.3	87056	103065.7	121866	128735.1	147929.7	176023.9	TRUE
65468.6	53964	44551.5	51342.1	49555.4	50038.2	69433.7	75613.5	TRUE
170010	154506.7	207784	164408.6	158046.4	226698	243974.5	213824.6	TRUE
214412.4	160553	171213.8	229567.9	184223.8	209590.2	213957.9	230642.8	TRUE
326285.5	300124.1	272315.2	327122.4	279138.1	353624	403418.7	387219	TRUE
140303.1	144366.7	114733.3	125350	134133.2	110471.7	107407	134912.2	TRUE
581026.3	542596.2	432804.2	497597.5	537040.3	429327.3	536084.5	559090.4	TRUE
554234.5	487798.9	523202.5	678453.2	649594.8	555094.8	629473.7	664498.4	TRUE
1332051	1282656	1376314	1299273	1111615	1333409	1408904	1361737	TRUE
1363372	1321140	1323725	1331643	1163257	1336484	1373637	1317467	TRUE
37053.5	42969.5	75195.2	44804.3	45526.9	57130.7	56290.5	50524.9	TRUE
144634.7	98570.7	147114.1	183020.8	142093.6	137897.1	117876.8	148744.2	TRUE
34992.8	30890.3	36250.3	36268.9	41212	41576.6	40724	40775.8	TRUE
32387.4	28684.8	42973.9	37784.9	34882.6	33221.8	13204.7	46983.9	TRUE
414546	354686	303403.3	351235.7	445735.8	433977.8	399088	523376.6	TRUE
41990.8	21640.9	25595.7	31196.7	37981.6	34759.9	43594.5	43950.1	TRUE
174364.2	165311.6	151762.5	184180.6	176425.4	151201.1	151030.7	168621.4	TRUE
648152.4	447840	655895.3	719484.6	644260.3	703985.1	487287.2	703848.1	TRUE
126920.1	74866.2	114371.4	149387.3	112086.7	132073	95148.6	116665.4	TRUE
1212545	1166319	951750.8	1298687	1399169	1342922	1321671	1406542	TRUE
61743.3	36561.7	37288.1	77873.7	40890.8	45667.8	46048.1	49178.2	TRUE
39650.3	29908	38075.6	43671.4	41324.9	44315.4	30576.6	56927.7	TRUE
20839.2	4989.8	13981.1	14763.8	23800.6	21134.8	17668.1	32293.7	TRUE
36348.8	56219.1	34871.1	34893.2	59348.6	35520.2	12827.9	38861.7	TRUE
20265	22010.2	14187.1	27939.6	19889.2	24472.5	13806.4	25115.4	TRUE
309234.2	203398.3	326844.8	331379.7	260395.4	325068.2	204921.1	265250.5	TRUE
520230.2	332973	550399.7	563487.3	495487.7	552694.6	384156.5	481331.6	TRUE
82414.9	63787.1	100120.9	149211.5	96272.2	98818.4	67750.4	87690.4	TRUE
105023	93392.2	135673.8	145932.9	112075.7	125060	124981.6	110825.6	TRUE
41117.2	33450.4	49718.7	52092.6	41194.5	58553.5	49094.1	44662	TRUE

299560.3	209379	292097	320966.3	227959.2	239999.3	288150.4	271712	TRUE
49764.2	44554.9	51110	78429.3	35975.9	48542.1	48882.9	53268.3	TRUE
180272.1	232955.4	134056.9	168304.6	206751.5	90679.2	216872.2	186580.6	TRUE
156632.2	180067.9	196243.5	150891.1	142878.1	226946.3	170368.8	166872.6	TRUE
213110.1	171236.2	154401.7	181189.6	165388.1	228919.4	235977	264071.3	TRUE
353681.5	227997.7	284134.3	330657.3	380003	332273.1	311546.9	355986.6	TRUE
100079.9	95955.5	135544.6	98436.8	145168.4	136886.5	112010.1	141006.1	TRUE
443587.8	437485.4	417398.2	383114.8	390788.5	419830.6	433740	425190.9	TRUE
124616.2	137756.6	140649.2	125569.8	125221.8	117670.3	121422.6	119036.8	TRUE
274039.1	279170.3	255444	268037.5	322394.1	223628.9	222000.5	201593.9	TRUE
179568.6	180404.2	153154.5	184074	177177.3	238453.8	220784.6	278390.7	TRUE
477318.1	418501.3	344038.7	455068.3	541690.3	503040.4	447008.1	528126.8	TRUE
152808.4	151038.2	150021.1	190329.3	181260.7	379511.1	186112.9	119160.9	TRUE
71631.8	73918.3	66728.6	59479.1	67549.7	47548.6	61530.6	66127.8	TRUE
38620.3	34480.9	42937	40576.7	35809.4	30110.1	25913.1	29723.4	TRUE
758703.4	678362.7	692300.3	677638	851395.6	753983.6	652595.2	704387.6	TRUE
157103.5	131145.7	189807.6	148081.2	161456.8	161647.4	157217	132874.4	TRUE
540668.6	416864.9	613657	385484.7	424966.1	623773.6	398820.3	449854.5	TRUE
1333076	1385052	1708801	1525841	1542359	2060933	1631712	1693873	TRUE
152201.3	367551.3	294751.1	332047.7	427574	108837.7	87863	103214.4	TRUE
54853.4	106381.7	74839.5	79672	98373.7	30476	41776.4	20135.5	TRUE
98393.2	165282.3	149597.3	174559.9	238123.9	82303.9	64886.4	71302.4	TRUE
23604.2	26523.4	13025.3	15058	26976.2	10821.1	21490.1	24521.8	TRUE
580838.5	606719.5	433224.4	612138.8	637739.3	464857.3	696056.2	658145.9	TRUE
388868.5	368908.8	388050.2	365702.2	375858.3	394543.1	367134.8	327281.1	TRUE
276047.9	248905	294171	333036.6	295073.3	353397.6	317410.6	296004.6	TRUE
1690760	1774239	1623314	1804843	1626765	1563430	1853610	1603276	TRUE
50951	45536.5	38580.6	29929.6	45712.7	42930.7	38857.3	46647.1	TRUE
50237.3	72714.6	39746.6	42929.8	48605.6	41041.4	52726	47507.7	TRUE
91581	84136.2	92573.6	101599.1	93828.1	113864	88235	94914.9	TRUE
397908.1	473697.8	323186.3	421276.4	433904.8	325032.4	465311.6	416005.3	TRUE
205981.4	208294.5	202210.2	269935.7	212661.2	212805.3	224107.9	226913.7	TRUE
658388.9	577351.9	555885.3	598895	689303.3	699804.4	598373	701208.2	TRUE
1856197	1447010	1622011	1725318	1852662	1742673	1599962	1758170	TRUE
121280.3	112915.6	115966.7	178635.3	146671.2	137338.7	122638.8	143153.5	TRUE
95789.7	79890.6	63573.7	109418.6	93024.7	79852	100015.7	95283.1	TRUE
41547.8	30540.2	45694.2	45649.7	47917.5	55045.9	37247.3	52051.2	TRUE
33888.4	33220.5	22577.8	35057.1	42588.7	25176.1	33116.8	34042.7	TRUE
103992.5	92030	77027.7	99674.5	119038.2	91313.4	129834.1	125836.5	TRUE
55119.7	52129.5	47307.3	53269	60175.8	44084.9	57506.4	67860.8	TRUE
36898.2	37839.3	34716.3	26998.4	37661.2	31872.5	40780.2	39852.2	TRUE
28481.9	33724.2	26015	23966	22156.7	23077.6	28404.8	25979.7	TRUE
933522.7	975064.1	943991.2	1022044	909590.7	1041421	1009924	1032783	TRUE

175657.9	165265	203212.3	175190.7	177667.2	174550.7	188739.4	188969.8	TRUE
482125.4	466055.9	481522.7	473154.5	532033.7	390274.7	504811.6	517338.6	TRUE
574507.8	568797	504526.3	642515.3	582023.5	595195.4	615918.5	638324.2	TRUE
675475.4	669874.4	661798.7	689260.4	603294.9	725033.4	658182.9	763740.7	TRUE
2228503	1930230	2219922	2319632	2192007	2114865	1911703	2251740	TRUE
1431077	1428447	1147854	1629019	1419538	1203890	1285820	1410089	TRUE
1878556	1760023	1547817	1583605	1435329	1807574	1818069	1924508	TRUE
36681.9	66613.9	49328.5	69268.9	60475.7	31220.3	30561	30429.8	TRUE
1141410	1019269	1084708	1065690	1084953	1114572	1114737	1081677	TRUE
544077.8	531782.5	521223.2	472919.2	501485.2	614774.6	587243.2	639868.3	TRUE
147497	120411.4	89884.8	145017.1	155315.3	132814.8	147391.7	181275	TRUE
379645.3	320705.5	334304.5	354070.9	351806.7	322732.5	346011.3	347902.7	TRUE
1270855	1190469	1019329	1111911	1007852	1168841	1147433	1158606	TRUE
394626.4	334006	263187.6	400400.9	332652.2	261982.1	337874.1	317168	TRUE
239364.1	180280	216746.7	251046.3	238416.1	258474	223482.5	233593.8	TRUE
1027686	643873.9	837288.9	1325716	880970	887721.3	639871.3	892407	TRUE
394653.7	310577.4	357059.6	453429.3	378542.3	341944.7	328971.6	361583.3	TRUE
453973.5	393889.9	406919.2	561920.8	462537.5	384529.3	471149.7	472958.1	TRUE
82644.8	52988.4	62436.9	67140.7	58099.9	60407.5	83122.2	71018.1	TRUE
1391504	1394149	1180029	1291379	1238547	1544376	1444167	1672536	TRUE
431458.9	487013.7	468182.6	523694.7	448609.6	612111.1	536122	563827.6	TRUE
66536.8	58261.6	67801.4	54083.7	46858.9	68356.9	57908.5	56850.8	TRUE
20731.3	24144.4	27950.4	34339.3	55705.2	44095.7	34734.7	33704	TRUE
81327.4	100912.6	71383	110356.1	112269.4	95260.5	126668.5	69986.6	TRUE
51005.7	52321.7	43864.7	44568.2	39714.7	53905.4	53318.7	34886.5	TRUE
531503.1	423936	450187.6	460094.5	611631.2	652922.1	432261.5	654802	TRUE
233613.6	105344.9	271291.8	221260.4	185673	304693.8	146962.2	160935.8	TRUE
211989	166073.9	223653.3	214567.3	185605.8	236038.4	152062.4	194995	TRUE
332197.4	253982.9	384318.1	316972.4	300855.9	408525.8	307657.6	319095	TRUE
56274.5	87992.7	39183.1	45202	67649.7	62323.9	59780.5	63858	TRUE
1089256	547019.9	1261392	1342239	809553.6	1335701	704150.9	853179.3	TRUE
2285811	1102501	2683538	2933217	1701774	2838400	1318911	1849081	TRUE
973376.6	462686.2	413977.9	406613.4	782996.8	809603.5	515253.6	788339.4	TRUE
48031.6	91659.6	90642.3	59428.9	79966.4	38259.5	33676.1	38440.6	TRUE
61280	50610.7	45975.6	63909.2	43586	63585.5	59296.5	71486.9	TRUE
181621.2	134026.2	238913.3	190904.7	178405.9	234426.5	139717.1	204842.5	TRUE
215876.6	165657.3	236443.6	253227.7	260311.9	218961.1	171469.3	248714.5	TRUE
95278.2	95697.1	110370.3	111412	107159.5	114241.5	83118.2	120160.6	TRUE
568808.5	427476.1	642127.6	845956.7	577107.6	776609.9	534762.1	610522.6	TRUE

344898.6	287305.3	424259.1	518182.6	389837.7	484426	300705.5	412867.6	TRUE
183101.2	128624.7	187983.2	228903.7	175259.2	222749.2	166353	190567.6	TRUE
93499.7	87573.4	56119.7	81883.3	112610.7	124572	86292.1	116847.6	TRUE
91750.7	81378.4	55497.7	74534.9	114338.5	120751.2	96581.5	106839.3	TRUE
211392.8	205983.9	172888.6	216753	277808.5	299315.7	226720.5	303313.6	TRUE
313282.3	292043.4	220124.6	262537.8	414199	438878.4	326781	421517.9	TRUE
75230.1	68047.8	53850.7	83863.4	67048.5	56075.2	62530.5	47368	TRUE
247893.4	179884.5	192754.9	202447	256455	265587.7	196859.1	272729.2	TRUE
223657.5	130202.8	184023	175135.8	280518.2	280204.9	144537.1	270101	TRUE
246383.4	264332.3	266742.6	287202.1	190175	225024.5	268484.9	227482	TRUE
51266.3	61728.2	47809.2	50491.3	42675.3	55849.6	63564.2	55057	TRUE
70485.9	66721.9	68995.3	73524.3	79428.4	59994.9	70745.7	58721.4	TRUE
21815.8	17110.4	19456.5	23269.6	24502	17240	25506.4	19076.1	TRUE
58166.3	41087.1	44917.6	57008	39935.3	45927	38512.2	36433.5	TRUE
81501.5	84923.2	86183.6	79344.8	72757.3	81749.4	95752.8	70225	TRUE
124423.6	92470.8	158985.5	132341	129758.7	144169.4	110432.4	144744.4	TRUE
50609.8	45000.9	69023.8	60900.3	46207.7	61870.4	49949.7	39129.5	TRUE
79649.3	77319.3	82325	82197.8	52420.8	83382.2	90018.3	95751.3	TRUE
229838.8	169568.2	170083.2	170658.9	173608	220545.4	194930	194812.4	TRUE
95742.1	101205.4	78574.5	93270.3	106286.6	128324.7	127422.7	122358.7	TRUE
22201.9	10127.3	19225.3	12718.7	16776.1	37579.9	22789	34690.9	TRUE
42170.3	56909	80137	61708.3	50733.2	84256.9	43878.5	53659.9	TRUE
36327.3	32062.1	26077.8	26224.7	23746.4	34412	39559	43220.7	TRUE
46703.5	54796	26819.4	44826.4	66288.1	26784.9	60914.5	69011.1	TRUE
94342.2	142838.5	98457.6	98087.6	64257.5	116458.2	137374	103898.8	TRUE
1339855	1017119	1236548	1507100	1328640	1373860	1220974	1386473	TRUE
202872.7	174396.6	188713.7	218934.9	198322.6	180372.4	206382.2	218160.3	TRUE
120000.7	111730.2	110824.8	142595.6	125977.9	131463.2	115256.4	118393.7	TRUE
63619.1	50318.6	40509.3	51729.2	57832	39867	48309.8	60305.2	TRUE
212055.4	133664	190996.9	227671.5	185281.9	198438.5	171273.7	204086.4	TRUE
499550	351696.1	502176.1	583105.6	504981.1	510077	398563.7	517382.1	TRUE
681780.5	629910.7	542571.3	602854.9	703715.9	726282.5	682730.3	784834.2	TRUE

136154.8	133783	164991	228891.8	163676.7	181404.9	150219.4	162635.8	TRUE
289045.6	234721.3	322908.8	357425.7	226502.3	377244.3	287847.2	293653.2	TRUE
539301.9	554467.9	420514.3	424199.3	530438.8	641979.9	516996.4	570126.5	TRUE
39028.1	32188	25983	14961.7	28544.9	44149	34162.4	53354.9	TRUE
188455.4	178263.6	198011.1	229660.7	187298.2	193162.3	190603.5	177802.8	TRUE
236308.6	165271.3	219156.5	242494.6	249452.5	240778.5	205957.7	240341.7	TRUE
181830.7	99169.8	173649.6	182757.2	171252	173735.8	123337.1	170394.5	TRUE
55648.2	35547.9	42435.9	50372.1	45085.7	48451.5	36952.8	49283.6	TRUE
165655.1	135420.7	108268.5	101540.3	161041	144038.4	125226.2	170844.7	TRUE
322809.6	297524.2	230041.8	256435.5	296843.8	293118	293190.1	346839.7	TRUE
65359.9	52343.8	60300.4	47678.2	71809.2	66217.1	63849.8	78715.8	TRUE
106681.8	83774.9	77611.9	98308.3	84131.3	97472.3	105634.6	100434.6	TRUE
20834.6	24390.8	24935	20440.4	24933.4	20702.9	17351	30013.8	TRUE
16038.2	7366.6	5054.2	4954.2	7258.2	13041.2	7678.2	14217.6	TRUE
5869.2	9321.5	8022.6	7254.5	12687.8	4525.7	9773.3	6546.9	TRUE
40947.7	34269.1	40829.2	46912.4	36030.7	41262.3	43812.3	45605.3	TRUE
273089.1	248854.4	243135.9	246705.5	237161.8	316515.6	391247.1	328812.7	TRUE
58966	49797.6	77049.8	72655.7	73857.2	65956.6	101086.5	84339.1	TRUE
13556	16037.5	9734.2	5115.2	6294.3	19019	15804.5	17703	TRUE
119930.7	138399.1	122638.6	149197.3	135439.5	138206.8	112118.4	114986.1	TRUE
305143.6	245659.3	279970.1	275530.6	241992.8	302390.2	316019	362065.5	TRUE
471193.7	591340.9	485156.5	510180.2	550767.4	472324.3	539983	413685.5	TRUE
72141.2	89122.1	53690.7	43366.3	67586.6	42065.7	60070.7	78286.7	TRUE
75429.2	60875.5	28589.1	63913.7	57310.4	42870.5	55711.3	59200.5	TRUE
135631.6	115456	146804.9	166526.8	126645.7	153166.7	166921.3	145270.9	TRUE
1452566	1636443	1359445	1583128	1236547	1634002	1762965	1515104	TRUE
92673	67667.5	91813.9	78511.7	106527	82526.1	71255.8	88008.5	TRUE
84208.3	115595.6	70431.4	76121	94270.5	49752.8	93951.8	67914.3	TRUE
37821.1	72557.7	35773.7	58151.5	52142.1	40764.7	62721	46266.7	TRUE
568464.5	489849.4	472946.7	596933	527278.5	513373.1	531604.1	528535	TRUE
167498.4	103176.5	202478	138989.9	261377.2	189487.5	103826.1	269029.5	TRUE
44819.8	60767.6	48037	40565.9	38576.5	42099.5	44417.2	35640.8	TRUE
443587.8	437485.4	417398.2	383114.8	390788.5	419830.6	433740	425190.9	TRUE
124616.2	137756.6	140649.2	125569.8	125221.8	117670.3	121422.6	119036.8	TRUE
274039.1	279170.3	255444	268037.5	322394.1	223628.9	222000.5	201593.9	TRUE
179568.6	180404.2	153154.5	184074	177177.3	238453.8	220784.6	278390.7	TRUE
477318.1	418501.3	344038.7	455068.3	541690.3	503040.4	447008.1	528126.8	TRUE
152808.4	151038.2	150021.1	190329.3	181260.7	379511.1	186112.9	119160.9	TRUE
71631.8	73918.3	66728.6	59479.1	67549.7	47548.6	61530.6	66127.8	TRUE
38620.3	34480.9	42937	40576.7	35809.4	30110.1	25913.1	29723.4	TRUE
220471.7	276664.5	112167.1	133843.1	220013.8	254057.5	310735	196418.5	TRUE
749649.3	498518.6	631866.5	659389.1	960557.4	715847.1	610652	986056.1	TRUE
703164.1	919023	514297.3	599771.2	718357.1	709931.8	1001426	731370.7	TRUE
876440.5	1040925	691080	749942	752044.5	787359.5	1052440	820083.4	TRUE
43678.8	53942.9	26064.8	37720.6	29133.8	28154.8	60118.3	36181.3	TRUE
153799.1	95680.9	123223.6	109954.9	150977.4	106426.3	93874.6	170359.7	TRUE

29806.8	16094.8	25354.7	17738	46190.1	22537	8719.9	44087.4	TRUE
76654.4	42262.3	76876.7	78828.1	79781.1	95018.6	50132.1	72782.1	TRUE
47172	38250.6	76630.4	58588.8	70800.4	66337.4	46746.3	74713.8	TRUE
111313.8	65793.5	159308.1	113775.9	215132.3	177560.3	82553.8	232036.9	TRUE
89194.1	120689.7	73158.1	62625	93022.7	75350.1	130853.8	71680.5	TRUE
164786.1	234217.9	109695.2	112190.9	193208.7	138040.5	264666.8	165492.5	TRUE
359545	430635.6	383176.5	249627.1	215609.4	410812.2	401216.8	214368.6	TRUE
8387.2	10920.6	10064.2	11933.5	17405.4	8938.1	11340.1	26030.8	TRUE
424453.9	552402.2	469006.9	356549.8	348107.7	391182.8	428693.7	288880.3	TRUE
56698.7	61782	47891.4	22736.5	29411.5	38717.5	66749.3	38172.9	TRUE
96101.3	154665.4	181712.2	94804	93345.8	202679	195985.8	66650	TRUE
85566.9	38074.9	71806	196726.9	116135.9	67257.3	68123.3	54637.5	TRUE
32020.1	30763.2	40290	45699.7	45405.4	24673.1	18223.1	30370.1	TRUE
139200.8	177646.3	109475.8	130775.3	85223.9	196481.7	232582.3	74669.7	TRUE
86626.9	86284.3	69903.2	55402.4	50229.3	119007.4	96503.8	48882.4	TRUE
46860.8	23958.4	51709	50529.2	47702.8	36904	12287.9	39699.6	TRUE
113833.6	69891.2	114961.2	132139.2	113935.9	110555.4	114438.3	131997.7	TRUE
21306.8	41474.4	19173.5	6622.5	8235.1	24710.8	34272.4	17429.5	TRUE
34628	70566.7	44775.4	25359.9	34297.1	31898.9	45331.5	24075	TRUE
40649.4	65085.7	58157.3	24769.1	19814	30757.6	46342.2	16440.2	TRUE
36396.5	35449	38617.7	53892.9	43346	39753.8	40899.5	43728.1	TRUE
37806.1	26865.8	21561.9	12409.3	27761.1	29117	26435	19817.1	TRUE
309603.5	393095.7	292528.9	356387.8	399158.3	327326.1	365343.7	419153	TRUE
30385.1	30163.1	23696.3	26328.9	23242	26372.3	21779.1	26920.3	TRUE
1086948	1151068	855751.2	1110655	1063090	916244.5	1056025	1119891	TRUE
157609.2	188007.6	122327.7	167635.5	180663.5	128892.3	205113.7	181926.1	TRUE
152066.8	145491.3	118001.4	143882.7	127533.7	144530	148718.5	119556	TRUE
34449.1	42105.3	45733	47607.7	38756.5	41772.2	51549.6	51342.4	TRUE
363938.9	426559.2	365822.5	447105.2	363808.3	348217.5	448102.6	406251.3	TRUE
85192	72159.3	63499.1	84760.1	77578.9	80238.9	108680.9	94425.5	TRUE
118074.5	87394	72801.7	123968.4	102693.5	133675	124130.7	110640.8	TRUE
110814.2	100631.3	92918.1	99437.8	102236.5	112712.6	102210.4	119088.9	TRUE
105931.1	114743.6	87909.3	115052.2	82990	122364.8	97363.5	120726.6	TRUE
145908.8	115129	125856	151301.3	122706.5	180969.2	161325.7	168507.5	TRUE
52128.4	47281.6	49185.7	55673.1	45821.6	44358.6	60125.9	46142	TRUE
363623.3	360061.8	300153.1	387305.8	343231.8	326745.1	370541.6	374132.9	TRUE
193437.4	226152.7	126749	192956.1	257124.5	124808.1	220110.8	195222.4	TRUE
135952.7	182286.7	80859.8	147978.3	161403.5	99967.6	155771.2	170150.5	TRUE
38560.5	46605.4	39919.3	57735.6	58148.2	37706.2	64782.3	60305.8	TRUE
159486.6	201783	166365.2	200004.9	115774.6	187751.4	188800.3	190825.9	TRUE
178003.6	186924.3	201207.6	224929.3	117327.4	196971.5	189769	191099	TRUE

339149.5	261180.6	297006.8	329190.2	287199.7	273833.1	296909.7	341094.5	TRUE
361175.3	362668.4	381165.4	375309.9	337798.1	352900.1	365659.2	374089	TRUE
169427.6	182077.3	164097.2	173169.7	181613.3	167457.2	208514.8	193548.7	TRUE
200907.8	199348.8	196060.8	219700	214537.7	184542.8	214452.3	202046.5	TRUE
72523	94414.1	117259.7	101368.6	86455.2	92602	76272	95274.3	TRUE
112572.4	142074.1	126653.2	121325.6	105788.6	161031.8	115155.2	136932	TRUE
63720.2	109555.7	88259.2	121798	67145.7	71549	93550.9	79536.8	TRUE
187751.9	294523.7	236988.7	268258.9	194265.3	210712.7	184009.5	237392.6	TRUE
139623.8	130924.7	93858.7	158163.7	128740.1	164767.7	143511.2	181224.8	TRUE
128034.3	100891.2	81641.2	122838	118727.8	142294.7	143853	125243.2	TRUE
577166.5	479189	462418.7	524629.8	471289.3	654144.4	579223.3	667584.6	TRUE
207549.8	198216.3	171121	180795.2	200453.4	212285.2	230915.6	255089.2	TRUE
81094	82638.5	75816.5	84397.4	109087.3	76060.1	88306.3	93854.8	TRUE
127791.8	128648.4	122244.6	179428.1	166383.6	121302	122333.6	157466.4	TRUE
51147.3	65686.5	53472.7	49339.4	54019.4	51142	63068.1	50094.9	TRUE
77581.3	72464.3	84434.9	81780.5	86123.8	79153	60654	93838.6	TRUE
105731	105825	74996.6	94201.5	98871.4	99023.5	93685.3	130156.5	TRUE
49342.8	48265.5	50427	43237.5	36796	40216.5	58275.2	51415.3	TRUE
73135.3	81543.4	82641.1	69822.4	66110.3	67207.1	65491.3	79936.5	TRUE
194606	238746.2	235512.9	238231.6	159882	298393.4	240415.4	296888.3	TRUE
196594.2	194524.9	226237.1	227570.8	209595.3	138963	204459.1	188872.2	TRUE
271687.9	282366.8	243629.1	233801.8	295683.3	224453.2	258443.9	303069	TRUE
94641.5	113333	121489.9	128586.8	126750.5	83911.7	106483.8	95327.7	TRUE
121138.6	125942.2	116820.9	135068.7	147447.6	117901.8	143022.8	163661.7	TRUE
256371.7	244543.7	224701.9	233635.5	216104.2	257464.9	270315.2	221862.6	TRUE
457701.7	518713.1	465905.2	484744.7	436250	487232.2	550756.6	500920.7	TRUE
197354.1	138742.4	130265.2	167834.4	133575.8	219536.5	224516.3	188994.7	TRUE
61565.9	52605.6	60185.6	70866.8	48972.3	62028.2	70380.5	54156.8	TRUE
54826.5	41607.9	51671.8	76932.9	36613.6	67508.7	66090	65423.1	TRUE
95513.8	81207.6	87194.8	80996.2	95232.6	80249.8	83421.2	84413.5	TRUE
32174.5	28876.3	19175.3	33050.2	26684.5	21464	27975.1	35722.1	TRUE
17126.2	23462.8	16445	16883.5	20803.9	15978.4	8771.8	20698.3	TRUE
33934.4	28110	21720.5	31172.7	24440.4	22328.7	32929.6	23246	TRUE
301754.7	331873.5	237476.8	290895.1	306651.6	266359.8	306423.9	308548.2	TRUE
27574.8	35951.9	14609.2	32271.7	34626.6	18571.7	32320.1	24675.8	TRUE
25120.5	21333	16854.3	8628.3	19508.8	20133.3	18832.8	20417.6	TRUE
441876.4	448947.9	361849.8	390213	494460.8	321363.5	438812.7	441309.7	TRUE
20391.9	5621.5	24919.4	23635.1	29579.5	11657.9	11885	32400.7	TRUE
23002.4	26144.2	17613.4	31275.7	28815.5	27704.2	9041.6	32359	TRUE
22474.2	23431.3	16768.6	21660.8	32440.7	35668.8	9953.3	29703	TRUE
25683.1	8182.5	7914.4	10511.7	15315.7	10908.5	8948.1	14281.2	TRUE
9686.4	8627.9	35202.4	8656.7	13576.1	35564	38776.5	36510.3	TRUE

211719.9	189167.7	198960	154767.9	175468.9	178464.1	174600.1	196728.2	TRUE
529195	490930.5	423946.4	468555.4	445157.9	451700.3	413107.3	474605	TRUE
66255.7	40035.4	37335.8	48898.8	47116.4	49476.5	41719.2	43713.3	TRUE
55595.9	42289	33754.4	41348.8	38804.3	73643.6	42032.7	53457.2	TRUE
53805.2	61336.7	100315.7	66911	54951.9	52691.8	60707.1	59155.1	TRUE
60571.9	73001.5	33508	61204.4	64933.9	33696.3	63691.1	65514.5	TRUE
253995.8	248645.5	175939.9	192367.2	203855.3	180076.6	200466.3	220427.4	TRUE
8772.9	5904.9	6179.5	8258.7	6938.1	16975.2	9082.6	9250.4	TRUE
50190.3	43522.9	57872.4	29935.4	30365.9	46011.5	36161.6	36087.3	TRUE
123687	102121.1	140491.2	136809.8	216019.9	112212.7	113892.8	123076.1	TRUE
28962.4	51919.8	80040.8	14360.9	38363.4	91129.2	35715.2	35026.8	TRUE
148886.2	140883.9	225876.8	137033.3	112562.1	243386.7	136968.3	110031.7	TRUE
181577.6	161561	269796.3	147674.1	142471.6	265480	173401.3	129602.6	TRUE
575567.9	562708.5	776765.7	585100.8	782861.4	501786.9	466567.7	501033.5	TRUE
99640.7	74298.7	165394	59850.3	80630.2	146099.1	102482.7	104775.4	TRUE
181411.7	129432.8	179879.5	116682.1	135864.9	228707.6	139923.8	131979.4	TRUE
178505.6	177817.3	285157.2	180886.8	164458.2	284626.3	189365.5	165829.5	TRUE
79426.2	75377.5	99878.7	64420.4	93575.3	100001.3	76499.3	79348.6	TRUE
329314.8	268808.2	376992.7	330735.3	545459.4	258244.3	277404.4	278639.2	TRUE
186868.5	138810.3	194589.8	212901.3	221897.1	148380.4	155806.5	179870.4	TRUE
1076562	743140.1	971778.8	963098.9	1473018	944669.6	789367	952760.7	TRUE
76993.7	71552.5	98827.3	63055.8	69607	101852.9	95840.5	69053.1	TRUE
93445	84434.6	95046.1	102922.8	125702.7	98345.5	87535.1	92258.3	TRUE
188763.6	158856.3	126411	109797.4	110758.2	120531	127699.9	126407	TRUE
49213.7	53304.7	39069.8	48414.2	53559.6	43588.3	53854.3	47388.7	TRUE
23394.9	30526.4	29948	37250.3	22994.9	23425	30857.6	25127.7	TRUE
85376.3	92453.9	64320.9	67823.6	69337.1	85717.9	84187.9	103764	TRUE
76802.1	67436.9	80529	64764.9	86728	85181.5	77827.5	89414.1	TRUE
19137.8	27535.2	28042.9	30537.4	22270.9	17747.9	26315.5	31290.1	TRUE
167410.1	180849.8	148783.5	128511.2	180990.5	180418.4	158451	182760	TRUE
29878.3	33689.9	12665.7	19378.6	30532.6	11086.7	17680.7	16869.1	TRUE
84418.8	82931.2	63646	77190.2	75584.7	68572.8	85703	92365.1	TRUE
18820.4	34805.5	23835.8	6670	32685.2	24522.4	10402.1	35250.2	TRUE
76524.3	70646.1	66010.6	60003.5	74522.1	83051.5	82577.3	102429.9	TRUE
130747.5	126160	125922.4	160982.1	167219.9	151743	170338.4	173852.1	TRUE
278161.9	373721	303289.6	283308.6	327212.1	285752.7	395025.8	278310.7	TRUE
42293.5	37657.7	45663.6	49188.7	41335.1	45217.8	36950.4	41504.8	TRUE
62662.5	73997.9	58527.6	54014.7	55006.3	54294.6	58482	65683.8	TRUE
329347.1	342206.5	262169.5	365036.3	376089.9	313138.6	352774.8	408482.1	TRUE

1315444	1326406	1390479	1555112	1306634	1474197	1534635	1708627	TRUE
111345.3	83163.7	64778	123193.9	102136.3	115946.1	131678.6	120962.5	TRUE
104427.6	111091.1	113411.3	131150.6	108520.6	112260.7	136201.3	110605.1	TRUE
75198.1	72364	75589.6	58173.6	87163	72994.2	92528.4	85149.3	TRUE
70339.3	66557.6	82008.5	115403.7	85999.8	97709.5	102757.3	98197.3	TRUE
30330.8	47082.1	39306.6	35745	34876.5	30921.9	45137.2	51949.6	TRUE
200492.6	287317.1	288278.9	244542.3	231577.7	317785.3	275527.1	271154.1	TRUE
59698.4	61529	69168.1	59183.9	54430.7	64682.7	77548.9	64805	TRUE
74879	57424.7	71557.4	88313.5	58182.6	88225.8	59433.3	78122.4	TRUE
194588.1	284590	132239.9	191181.8	185465.6	157058.2	289329.4	194431.5	TRUE
168208	207355.4	126225.5	159777.8	154357.9	156567.5	210273.2	151917.4	TRUE
480507.4	426831.4	388996	444466.3	486460.3	438100.2	456646.6	523952	TRUE
186443.8	206683	184785.7	214163.5	197096.5	196835.3	212147.8	182547.9	TRUE
441204.8	439966.1	463098.7	456908.5	455781.3	466526.8	464646	473294	TRUE
463742.8	426117.2	445001.2	440030.9	480714.8	489168.9	452932.2	485903.5	TRUE
181663	176924.6	179317.2	219009.8	222165.9	186917	198548.8	211823.9	TRUE
69505.9	67576.4	56376.9	78142.1	87304.7	58328	70345.8	84186.5	TRUE
52205.5	55820.9	66631.9	57395.7	44447.3	51396	55342.2	42228.1	TRUE
156335.3	200081.4	165221.8	168354.2	117716.4	175415.4	212807.9	180863	TRUE
639034.4	692400.9	674536.9	713943.4	615696.1	667564	720047.6	691677.2	TRUE
15204.1	5502.2	25073.9	6242.5	16674.9	20198.1	11111.1	7896.6	TRUE
34755.9	26857.3	32572.9	23819.8	30522.4	31507.1	19399.7	25618.6	TRUE
23746.2	19978.3	15607.3	36987.4	22462.3	34626.1	15335.5	38513.2	TRUE
217999.4	213606.6	190020.8	191800.5	231008.3	189804.6	211326.5	191898	TRUE
71139.5	115719.1	94683	96618.4	86822	72799.3	83334	82179.8	TRUE
125116.5	143440.6	116955.4	146114.8	140559.1	127289.2	136705.3	128574.5	TRUE
101833.8	159678.3	76257.9	191844.2	124782.8	89386.8	109638.5	111799	TRUE
78890.6	86833.5	101407.6	85364.6	122094.6	89219.9	92705.5	116361.6	TRUE
65263	49903.5	39377.7	62616.6	46799	71007.5	71818.3	77313.9	TRUE
92579.3	67413.6	55142.7	84998.9	85788.5	70321.2	84329.5	102984.8	TRUE
190443.3	222207.8	134755.2	151261.4	151905.6	167995	228222.4	207710.3	TRUE
264993.6	277067.8	212655.3	242171.8	248476.6	311376.3	331941.3	347692.4	TRUE
53115.9	39500.3	42869.6	41780.6	69815.9	50648.9	58888.9	67531.9	TRUE
23324.2	19021.2	21680.4	10647.7	26854.7	31809.5	24027.5	25229.2	TRUE
6694	17940.7	24456.9	10197.2	19507.4	14221.1	8765.6	7646.8	TRUE
294306.8	333293.3	236021.4	291109.2	314755.4	265276	368376.8	299902.5	TRUE
105457.1	95461.6	114753.3	135489.8	72590	91729.3	94964.6	123666	TRUE
183057.2	173313	167068.1	205280.4	191790.4	150366.2	210368.7	172588	TRUE
55955.3	53043.9	51811.5	65124.6	69548.9	45151.9	53241.3	51749.4	TRUE
61433.6	74996.1	131061.9	59602.4	62250.4	65968.9	60641.2	67685.8	TRUE
175976.9	156964.1	226850	222778.9	178713.5	191545.6	155728.9	148798.9	TRUE
702189	717706.7	827145.4	827430.4	593058.3	672280.5	750490.9	647545.6	TRUE
27424.8	10850	29751.4	31016.1	23868.8	29798	31684.9	28363.2	TRUE
155338.5	189325	237774.7	233646.7	180123	180795.5	212247.5	175740.9	TRUE

228740	270391.7	207719.1	250091	249889.4	201902.6	290534	230978.6	TRUE
306770.7	373594	296982.9	296401.9	315028.3	264679.3	363086.5	309999.7	TRUE
97033.8	73590.4	156146	129611.2	91233.6	84276.8	108802	124451.3	TRUE
192684.7	257302.1	150220.7	190454.4	222056.3	148731.8	241808.4	212905.2	TRUE
202702.3	233881.4	159190.4	168702.4	234605.6	167907.7	249850.2	241920.4	TRUE
43240.4	56713.9	32619.1	34849	59387.9	34392.4	53856.2	55997.9	TRUE
72292.1	90332.7	123755.2	100476.6	74970	68985.6	93159.6	89609.8	TRUE
147002.6	141082.7	179760.1	214387	114522.9	128287.4	138491.4	146729	TRUE
240897.5	193761.9	242784.5	262355.7	226893.6	326881.2	245418.4	298699.6	TRUE
216220.4	154306.7	175943.4	187466.4	157612.3	231737.9	186418	254267.1	TRUE
177727.4	197667.3	220970.3	242758.4	164614.5	183432.2	188550.6	219023.6	TRUE
35341.7	43109.6	39407.5	44257.9	37737.9	24014.2	43827.9	42715.6	TRUE
1311663	1164534	1217823	1394949	1217895	1262966	1292855	1318533	TRUE
550272	475472	514989.4	606774.5	537476.2	551324.2	553751.1	511697.2	TRUE
1040756	863352	945797	930894.3	977875.3	1073215	966232.9	1035721	TRUE
1104584	1001417	1007998	1094472	1188048	1231916	1132544	1156556	TRUE
213577.9	244234	224123.2	227474.9	238101.4	221525.2	217041	251685.6	TRUE
72743.9	51953.5	60317.3	92654.3	60576.5	65659.5	80760.4	61824.9	TRUE
29636.8	7637	25352.1	17115.9	40135.1	35383.5	40049.5	30391.6	TRUE
32705.5	28679	30165.8	13167.3	21727.4	30945.5	10842.7	17483.9	TRUE
56179.5	58650.6	26382.2	47953.2	44456.4	30382.2	43925.7	53429.2	TRUE
130292.9	138321.7	157833.6	127166.4	126698.3	184012.3	143217.5	125306.9	TRUE
118448.2	79433.7	92685.6	86628.2	90789.3	126376.7	116167.4	120361.9	TRUE
21439.1	7324	20769.7	7146.1	9471.9	40289.1	14937.8	28323.2	TRUE
87740.6	75549.3	85473.1	81827.6	80796.5	131554.6	121695.4	113750.1	TRUE
42255.8	31384.3	35551.4	36019.7	29999.6	36568.9	32784.9	36077.7	TRUE
28864.1	41479.8	42427.8	27130.9	29152.1	20703.8	38541.8	25435.5	TRUE
7535.8	10025.4	8582.1	13378.2	4399.4	15282.7	11017.9	19561.8	TRUE
23308.2	36579.3	38197.7	25546.8	23695.4	28997.4	34653.3	23234.6	TRUE
104767.3	29542.9	94735.6	67853.5	140518.5	50518.7	46615	51268.8	TRUE
245638	231627.6	286635.1	213463.8	197882.7	271245.8	274566.3	240012.5	TRUE
602942.5	585901.4	630158.9	634998.1	623602.5	738994.2	606854	604798.1	TRUE
279293.1	285501.8	282879.2	297161.8	264532.7	285134.1	273562.1	232026.7	TRUE
1251276	1020990	1179613	1024917	1369587	852078.8	866018.8	973111.4	TRUE
669217.2	472247.8	662459.5	627632.4	891217.5	588501.1	548388.3	555901.5	TRUE
56632.6	36109.6	57127.5	43278.3	37391.3	59640.2	49695.4	44536.4	TRUE
83954	81542.5	369787.8	72916	76925.3	110902.7	100694	105162.2	TRUE
808568.2	599920.9	574060.5	697019.4	829386.2	909583.2	799101	994298.7	TRUE
91206	88001.3	145377.1	99244.7	103222.7	95281.6	71165.8	104607.6	TRUE
237764	180014.5	171750.3	216536.9	220240.8	188333.2	248141.2	216135.8	TRUE

64836.8	46617.7	59342.2	54834.8	38601.1	60795.1	46664.9	64519.6	TRUE
124453.6	94280.7	109504.5	130845.7	111024.2	123954	115055.1	107625.5	TRUE
32607.2	27804.4	31393.9	34376.4	26410.2	25659.1	32282.9	11264.4	TRUE
174723.1	136620.1	128109.2	149088.8	164517.4	175766.2	173481.6	186134.9	TRUE
460862.3	362789	358310.5	507096.2	387879.5	429185.1	414895.4	407458.8	TRUE
490839.7	427681.8	415696.1	516719.1	382205.8	472577.8	449660.7	405396.2	TRUE
69066.7	68275.3	90989.8	100804	83443.5	70004.1	75998.9	79505.4	TRUE
397193.5	272824.5	327076.8	318441.8	328472.8	360178.6	328046.4	390347.2	TRUE
282041.5	268351.1	245728.5	239813.9	262109.6	307689	244280.2	278986.7	TRUE
52781.5	35773	34209.8	51657.6	35682.8	52266.8	62966.2	53709	TRUE
141906.9	96254	101580.2	123598	137127.6	166016.8	104703.7	164810.5	TRUE
627216.5	465986.1	643056	515238.8	595359.3	685897.1	503523	719730.6	TRUE
42348.2	22391.3	37081.1	34312.1	25891.5	45519.4	40064.8	33479.3	TRUE
69807.3	72559.7	82210.1	95457	70463.1	72427.5	72301.9	56999.6	TRUE
39780.9	42455.2	18047.2	35046.5	35135.6	45383.9	46307.8	43489.8	TRUE
213235.5	217376.8	179702.8	227424.2	227518.5	212478.4	230427.9	223958.6	TRUE
1416933	1260965	1116016	1491271	1463008	1224151	1326171	1461177	TRUE
830923.2	825517.8	735772.1	692100.4	739996.3	816160.2	824301.8	838923.1	TRUE
407021.2	390635.8	353103.3	448728.9	360726.4	392593.9	426552.5	394745.1	TRUE
1341474	1320476	1149150	1321375	1286006	1665598	1386881	1389838	TRUE
195333.7	221749.3	136579.9	251168.3	278836.2	123027.5	170873.4	239399.8	TRUE
44949.4	38022.2	44373.7	77087.8	57485	44634.2	51326	50759.5	TRUE
199346.8	206194.2	202141.3	205592	166027.8	257566.2	219224.9	246564.9	TRUE
536418.1	524659.3	483310.1	590126.9	546188.2	598037.2	530781.2	626523	TRUE
107665	73393.7	76785.4	99765.4	122094.8	115750.6	84086.3	125879.7	TRUE
59439.2	58974.7	55947.5	61333.3	57188.9	65040.8	48998	63810.9	TRUE
45255.5	54698.1	54469.8	60742.1	54018.4	31040.5	42845.6	36865.2	TRUE
78192.5	69965.1	71211.7	64291.1	62322	90671.5	71301.1	74310.8	TRUE
137760	96263.5	105266.1	133630.5	109830.1	132447.3	146945	145565.9	TRUE
160895.5	116619.7	185074.9	175734.8	211227.4	131533.8	120763.2	145249.4	TRUE
187512.8	165384.3	274708.3	150164.3	150447.5	285997	209095.7	170951.9	TRUE
498727	468270.7	668784	469380.4	449087.1	703969.2	482493.3	486387.4	TRUE
188939.9	141308.8	213744	211643.7	296848.6	151677	173399.1	176521.7	TRUE
878470.2	695305.4	881117.9	874700.3	1266834	707633.5	757527.5	792332.3	TRUE
66454.8	71629.5	121491.4	73032.5	55939	103849.6	71664.9	57564.3	TRUE
113567.6	123302.5	151531.1	84311.6	91321.4	138804.5	115937.2	97417.6	TRUE
123264.2	132938	117783.7	116699.6	152857.8	120809.3	136899.8	122392.2	TRUE
163918.6	138838.7	149948.7	176716.6	194011.3	145600.3	130639.6	160586	TRUE
345369.4	266571.7	332740.4	349449.6	585323.5	232168.1	290134.1	294779.3	TRUE
18605.8	7389.8	19533.4	12877.4	7557.8	31513.9	12247.4	20138.6	TRUE
116132.9	108022.3	134811.2	73481.1	82005.4	210338.8	142716.3	113217	TRUE
221187.9	165309.7	213144	253119.3	341387.7	201053.7	244104.8	254327.9	TRUE
1107626	1019984	1582886	919627.1	850523.6	1679716	1085542	856982.4	TRUE
154865.6	156049.4	229482	150059	143612.9	243514.7	213119.7	171071.1	TRUE
61613.3	65562.8	78428	45275.9	71655.5	109951.4	52346.5	78124.1	TRUE

44867.8	48753	45750.7	44767.6	55889	62389.3	49862.5	60169.7	TRUE
114850.5	141310.2	156640	158588.7	162178.4	120502.3	82316.6	116100.1	TRUE
564065.3	389292.5	592179.9	474067.5	516948	455646.4	414223.3	559125.4	TRUE
359083	395960.5	365992	361549.3	366142.1	413194.8	396974.2	408340.9	TRUE
29637.2	31938.7	41571	48057.2	42114.4	38861.5	35339.6	39343.5	TRUE
43547.3	32985.1	34091.3	41840.7	35583	37502.3	63100.2	48828.5	TRUE
251851.5	176257.7	185492.2	299789.4	226551	297816.1	212921.3	289084.5	TRUE
297470.7	279496.1	291405.3	319696.8	333423.7	364942.2	331294.5	357197.3	TRUE
50462.4	28740.5	28269.4	40333.9	41329.7	57636.4	39144.8	55102.4	TRUE
38150.8	33591.7	49841.8	38972.3	32003.8	35225.6	37345.9	47292	TRUE
252920.5	286776	238205.2	286045	241007.8	244168	321621.6	264365.7	TRUE
293079.9	271008.6	319079.7	394309.7	310414.2	334043.7	289626.5	259746.7	TRUE
615430.5	694888.9	611260.9	544014.3	543137.2	612143.9	542848.4	568367.9	TRUE
321186.3	316135.1	218061.5	329002.9	342361.4	326731.5	377694.9	380287.4	TRUE
68666.6	54203.7	70779.8	53087.3	67924.5	67907	70258.2	70941.6	TRUE
634937.3	622033.6	570030.5	549198.7	629963.5	748416.7	660304.5	687476.6	TRUE
114069.8	73896.7	68821.8	68789.2	74858.7	63316.5	53113.1	77032.1	TRUE
213512	227474.9	221906.8	308682.5	253587.2	219227.3	198402.3	218431	TRUE
123329.9	91947.3	108947.5	138870.7	131021.6	151327.7	100900.2	167147.6	TRUE
250288.2	249134.8	267707.7	273970.1	307022.4	272294.3	227869.8	293031.3	TRUE
164191.1	196794.3	91878.7	86733.4	114916.3	108716.3	107609.3	141043.6	TRUE
51377.9	32709.7	52795.4	62511.2	59904.5	65986.3	45738.6	51356	TRUE
42648.8	52065.6	62633.5	54608.4	57214.3	76958.9	50160.2	61392.7	TRUE
27814.4	21340.6	37835.8	44834.7	33620	32433.9	24968.8	25729.3	TRUE
148463.7	90781.5	142032.5	154283.8	148510.2	126449.6	104189.5	159013.6	TRUE
200173.6	211970.3	145728.2	151916.6	214907.1	202155	225753.7	216952.8	TRUE
277236.8	175157.9	193454.8	216819.9	195561.3	192997.1	162511.3	204611.2	TRUE
40412.5	43039.6	40168.8	68225.4	31813.3	39182.3	32504.7	54585.5	TRUE
1239370	1260509	967681.5	859989.6	1216802	1376696	1273089	1351765	TRUE
97160.1	88092.9	89355.3	106518.2	64436.3	140116	101362.7	95664.9	TRUE
56754.4	64717.1	68182.6	59229.8	52756.6	59768.2	54266.6	72086.7	TRUE
19407.8	14952.6	36188.3	11588.4	14706.3	25321	27683.1	13618	TRUE
94375.8	132032.5	68932.2	78912	131622.6	89210.9	144664	112392.2	TRUE
16215.4	5519.2	11445.4	6620.7	7233.9	10150.4	7448.4	8329	TRUE
197640	189665.8	306014.8	275797.3	152133.3	256109.4	208570.4	200349.6	TRUE
120575.4	116170	114124.9	151862.2	148870.8	118762.9	115804.5	167683	TRUE
214164.5	151966.3	255073.1	200248	124737.1	301625.1	147418.4	158265.4	TRUE
194997.3	167731	207599.6	207014.9	242678	216388.9	167333.9	224984.9	TRUE
46795.8	48577.1	41017.4	46160.2	40341.5	38944.4	54927	36017.5	TRUE
36934.2	24178.8	21450.3	30551.5	32689.8	34915.2	35225	33089.9	TRUE

81862.8	57232.6	87593.9	89008.2	75600.5	88619	63825.8	81004.9	TRUE
47225.7	39081.7	76475.2	82753.4	45550.1	80036.9	50650.7	41527.9	TRUE
424832.9	490315.4	362409	435715.9	418277.3	428118.9	520257.1	434609.1	TRUE
359930.3	425539.3	472644.6	356517.8	360941.9	381825.7	414191.8	367853.2	TRUE
57893.6	79621.6	86374.1	95137.2	78720.5	96524.5	94827.4	82448.4	TRUE
221858.1	174797.6	212281.2	204736.2	201282.4	179397.9	213544.9	210781.5	TRUE
1252987	1221959	944421.4	1232894	1034799	1019693	1343220	1024832	TRUE
430576.4	472410	391428	482979.2	358170.8	382555.5	513999.6	446553.5	TRUE
10396.8	29879.1	16336.9	26106.6	16862.6	18586.3	7871.3	10697.7	TRUE
32349.8	46851.9	33849.8	49670.4	45963.7	35477.5	32290.4	33033.8	TRUE
176756	180282.8	169006.2	184058.9	164410.2	177324.4	203578.2	166748	TRUE
160080.8	179045.6	125793.9	148249.5	106259	141289.8	153637	131460	TRUE
52865	66613.6	63328.4	64129.6	71484.1	80047.2	85128.9	49786.3	TRUE
71593.7	57768.2	58177.1	67773.4	56595.3	88689.6	74613.3	71451.3	TRUE
45555	40242.5	67925.6	69644.6	54129.8	41518.3	54686.3	55971.1	TRUE
166713.9	158912.8	160180	161573.2	147767.4	162453.2	168950.8	129494.7	TRUE
296100.2	255954.5	297394.1	335719.1	264954.5	285393.3	265932.6	268672.1	TRUE
241596.9	213512.9	243238.7	309647.7	247926.6	277398.7	244603.6	251895.7	TRUE
113861.9	135175.5	95959.5	103689.8	100065.4	108600.9	160464.2	101378.8	TRUE
151144.9	143248.3	234799	212427	178224	202771.3	167543.4	181152	TRUE
28406.1	32658	24385.3	31550.6	31823.9	29684.9	34355.7	33378	TRUE
39832.8	41273.9	53737.5	33984.9	29174.3	34490.4	32112.2	28357.8	TRUE
85804	78487.6	65952.6	58640.9	49692.4	64825.8	87877.3	53273.1	TRUE
527158.8	539481.9	571096.5	464364.7	489951.9	536876.3	523055.9	491840.7	TRUE
204091	224546.1	261426.6	193772.5	157196.1	259298.9	244054.2	156473.7	TRUE
161415.6	181927.3	167441.3	203980.1	204209.1	136067	149677.2	183432.3	TRUE
35954.6	67673.9	56484.6	41708.9	44974.5	40133.6	44204.3	34901.4	TRUE
85754.9	89515.8	72219	82249.8	80721.4	83766.9	113453.5	87137.4	TRUE
88445.1	83922.4	124465.5	103287.3	90034	76742.7	79967.3	71582.5	TRUE
141837.8	163663.9	191391	160753.3	157930.2	139748.6	131411	128134.5	TRUE
145346.2	124338.6	140860	122374	92215.9	176483	168532.8	105288.9	TRUE
87383	80585.9	70405	103108.6	61766.6	75373.7	89122.9	89526.6	TRUE
37531.2	30892.5	50246.7	55511.1	44963.6	33608.9	37594	44458.5	TRUE
152779	135368.7	155258.8	134635.1	155459.5	131114.2	150008.1	143817.8	TRUE
72355.5	71659.4	78235.9	75433.7	75728.8	80516.5	79538.4	86869	TRUE
94977	95196.3	81313.7	103085.7	72912.8	127973	105808.7	107952.9	TRUE
116065.7	115503.9	143233.3	119057.9	151091.6	126921.9	138230.1	168336.1	TRUE
172894.2	165697.4	143245.9	206926.5	180998.5	146027.7	259750	187039.9	TRUE
543796.8	668047.5	465271.2	425217.9	500208.7	496925.9	517006.4	542345.1	TRUE
80916.7	111278.4	118254.8	102601.3	138329.1	109282.4	93910.4	93060	TRUE
234166.9	176423.7	198167.4	249798.5	228608.7	299933	263405.7	292971.3	TRUE
643066.6	727784	695765.6	656250	539788.2	844856.5	731590.7	829845.8	TRUE

78683.4	71528.1	49914.4	84491.6	79123	88288.5	91287.3	94289	TRUE
38365.1	44036.7	48917.1	55051.2	40499.5	47250.4	39577.3	42834.4	TRUE
107005.2	69870.1	79180	131443.6	109462.2	83632.8	121648.9	124834.9	TRUE
24117.4	9827.7	30126.1	24301.5	23361.9	18652.4	12686.4	22899.7	TRUE
88765.4	80289.8	71622.2	82981	96989.4	78181.4	103133.6	102031.2	TRUE
70022	64449.5	42996.6	69907.8	54560.1	76167	62575.9	88072.3	TRUE
120548.7	154678.6	127902.2	148065.8	117365.7	119816.5	151402.2	152367.8	TRUE
132788.9	123881.3	111807.6	139277.9	123968.5	135989.3	133433.8	116554.3	TRUE
77869.3	87432.2	72264.9	79624.6	96181.7	69425.1	72511.8	93104.2	TRUE
100755.9	93603.9	100256.9	137825.9	122468.7	290132.3	145035.4	204275.1	TRUE
237891.2	240067.5	270671.9	321283.2	307098.2	723129.5	331818.2	468689.3	TRUE
154788.6	116737.8	139884.2	141868.5	128171.1	172213.5	152938.4	168158.4	TRUE
42870.5	61247.3	40170.8	46366.7	51266.7	45753.4	60650	56526.1	TRUE
66503.7	81294.1	67751.6	56594.1	61643.7	84476.1	72802.9	63606.9	TRUE
43846.4	19506.7	44570.2	49656.9	43426.6	48690.2	50073.1	58926	TRUE
86242.2	60088.6	61550.1	78552.8	83272.4	94704.7	82817.8	102794.7	TRUE
157293.9	149573.1	172418.2	212583.4	196987.5	190556.5	160074.1	186010.2	TRUE
97909.8	69358.5	83922.4	91771.2	81392.5	83492.5	77710.8	82039	TRUE
130585.9	110209.1	102014.8	118518.2	110922.5	120048.8	126920	95924.9	TRUE
188598.7	160725.7	198087.7	196574.1	189613.9	193202.7	159885.8	187166	TRUE
69799.2	56808.1	68784	71033.6	78140.8	82200.8	74986.5	74755.4	TRUE
67963.8	78173.9	81875.6	81984.1	68350.2	72762.5	61905.9	68281.4	TRUE
59156.3	53896.8	65794.7	60706.6	80360.8	70900.5	67514	66884.4	TRUE
127291.7	88715.8	80032.3	85970.1	106578.3	114949.5	129507.4	110711.9	TRUE
474325.7	423083	405084.1	504493.6	483313.2	466949.6	448376	529392.2	TRUE
361138.2	330441.1	306490.2	403189.8	354851	338497.4	402253.7	380392	TRUE
37870.9	42076.8	29997.7	44801.5	27042.9	29394.3	30266.1	34889.3	TRUE
29153.9	24744.4	20818.1	24610.7	15196.6	19990.3	11463.6	21285.5	TRUE
51623.4	45904.5	37699.9	41399.2	49388.1	43430.4	46714.8	31007.3	TRUE
77003.7	75928.1	64198.6	70120.6	67672.3	76180.6	78545	74315.8	TRUE
59809.3	46349	55609.6	52772.5	52678.5	50907.1	53928.4	59239.4	TRUE
110051.5	113964.3	102837.7	144509.1	116174.4	92022.1	120840.2	112124.3	TRUE
79271.9	89436	68741.4	64487.5	75270.6	70358.2	63275.7	77984.8	TRUE
448170.3	380859.6	462605	492994.4	425976.8	389252.6	435173.7	364385.7	TRUE
530355.5	508587.5	517839.6	573862.7	342497.4	438250.1	519164	446682.4	TRUE
55534.9	71056.5	44193.4	59158	55196.5	55485.1	70416.7	69924.4	TRUE

106115.9	136054.2	182110.3	221332.3	70815	71799.1	134501.7	70890.4	TRUE
194483.8	186998.9	166936.3	165728.4	167915.6	215411.3	177308.9	267473.6	TRUE
31516.3	47203.1	37348	45624.6	24830.2	29341.3	32488.5	35300.4	TRUE
61849.7	51783.5	78537.8	60867.3	37026.8	45290.4	66805.9	56168.5	TRUE
485051	542423.7	404680.5	501871.5	500779.7	398506.6	557529.1	464090.5	TRUE
32085.9	37080.5	20887.4	32897.7	31853	19877.8	16564.7	33447.5	TRUE
634876.4	554875	807464.7	773508.4	553457.1	568091.6	637816.6	567973.8	TRUE
467563	469241.7	374475.6	388908.8	467550	364599.1	427467.6	450136	TRUE
484071.9	710533	316910.1	684010.6	504930.1	331056.5	663924.5	505362.7	TRUE
499957.5	494362.1	742625.4	726733.7	384358.8	681099.6	502347.8	620594.5	TRUE
829953.4	794759.3	1035978	1040227	617280.2	1101203	804357.4	1075481	TRUE
235606.6	228825.6	198502.3	194765.3	172605.9	252780.6	283635.4	224956.9	TRUE
108894.6	71325.3	106532	96229.5	100335.7	137964.9	95125	112662.4	TRUE
335585.4	277659.6	364397.4	383130.7	314713.5	369389.3	333698.3	393637.5	TRUE
111270.4	72417.3	108578.5	130465.1	124904.3	172318.8	98544.1	159955.7	TRUE
40164.1	39162.9	41454.3	65643.9	44911.9	73374.9	42244.4	52239.9	TRUE
376065.7	393398.4	389622.2	395959.2	391336.5	403917.9	406901.2	382788.7	TRUE
147448.2	148349.8	125066.2	137079	112569.5	142382.2	126378.2	98561.2	TRUE
115795.7	109905.5	57498.8	93942	78903.1	110078	111631.9	98739	TRUE
192918.5	179786.7	109221.2	183699.5	159658.9	154136.6	215436.9	187006.7	TRUE
334960.3	359414.8	298193.8	431877.5	291217.7	410259.8	370177.8	418431.8	TRUE
96892.9	69726.1	80474.7	85265.6	68178.3	107683.5	91403.3	112815	TRUE
98306	56124.5	103736.9	115247.8	58829.7	97478.2	80023.7	63890	TRUE
360028.8	342568.5	296537	361919.4	284760.5	344652.2	350372.3	277204.4	TRUE
230972.9	225156	186033	228351.8	219538	214324.7	228064.2	204684.4	TRUE
94575.9	115670.2	78282.4	128465.5	109976.8	109243	116199.1	105964.2	TRUE
640668.7	456423.7	594623.3	592662.5	601588.3	741979.5	587501.3	671435	TRUE
363705.1	297681.3	304596.3	320066.8	295788.3	329553.7	353912.3	265491	TRUE
556042.4	434828.2	526529.9	550950.3	571111.6	651682.5	522452.7	597240	TRUE
388673.8	338451.4	367965.1	449603.1	372498.3	428165.4	330031.8	332027.5	TRUE
138501	103856.2	94764.9	126054	96527.7	112324.8	150535.3	126229.5	TRUE
127814.3	83913.5	98849	117807.2	107784.3	108647.9	148379.3	95261.9	TRUE
153623.6	130425.1	100850.5	132189.3	118677.3	118388.3	148573.9	146643.5	TRUE
164381.9	141948.4	128049.9	137099.3	159713.2	152845.3	179813.7	155751	TRUE
250133.5	220658	292660	218762.4	239248.7	235600.7	255570.3	228435.5	TRUE
88854.7	135518.8	388277.3	69874.7	109538.3	122097.3	93878.3	116338.4	TRUE
31163.1	31490.9	27758.2	33706.3	28529.7	26350.5	33937	28314.8	TRUE
186590.5	209898.6	148950.5	176834.2	184296.2	171117.2	189741.4	183310.3	TRUE
452827	435657.9	500925.3	472312.7	430885.7	487783.6	438371.7	523965.7	TRUE
32423	19860.5	30397.8	26512	18249	35854.2	27051.3	24950.1	TRUE
138715.5	119893.1	100496.7	112276.7	100989.6	120732.5	134356.9	105535.9	TRUE
132729.4	91772.6	89602.6	93236.1	89818.3	91881.2	94939.6	105198.5	TRUE
382305.1	360210.9	373513.6	365148.5	324260.7	368384.3	360127.1	346401.6	TRUE
307113.7	258172.6	298948.5	322723.9	340804.2	336080.2	278503.4	391148.5	TRUE
123507.4	120600.2	139750.3	142521.7	123636.7	143177	127707.6	113679.3	TRUE

646428.3	578315.6	543834.1	537589	540289.7	648236.6	523796.2	528824.9	TRUE
270198.3	275125.1	225472.3	274322.7	252461.9	297743.1	302194.1	284235.2	TRUE
153923.7	133975	109819.2	140088.3	132655.9	165469	130522.8	160251.9	TRUE
1075909	783448.5	925667.2	970363.3	1020312	1110833	733675.6	1068166	TRUE
610030.8	624568.4	575398.7	515408.2	608329.9	600761.7	437187.9	578792.9	TRUE
930742.8	670738.5	1058226	1075205	1093411	1227014	808412.5	1185845	TRUE
27963	25166.7	34740.5	33776.5	46607.8	31802.5	33521.3	38562.4	TRUE
24012.7	10889.5	28519.6	28945.2	17343.2	30487.3	25246.5	30187.7	TRUE
129723.1	121947	130621.6	149262.4	110058.5	142690.6	139596.3	150384.9	TRUE
31747.3	23121.9	29709.9	42760	22472.4	25222.9	29011.9	35933.3	TRUE
124766.3	113777.6	157970.7	159045.5	135300	157422.6	141032.9	160662.6	TRUE
260246.9	258191.6	142107.4	177789.8	176066.7	179616.4	190620.4	187392.5	TRUE
710869.1	741936.2	641685.8	870005.2	741859.7	662707.8	846855.3	781667.3	TRUE
126819.8	140081.3	97722.7	118732.2	100887.1	100282.9	122683.8	88393.2	TRUE
181929.5	209662	162804.1	161200	155997.1	169741.2	189576.8	143826.7	TRUE
119758	122926.7	119123.8	97747.2	93749.8	204458.5	129744.1	123025.9	TRUE
118905.5	140142.8	136495.4	127654.4	99113.2	104888.2	132533.3	126165.3	TRUE
23292	23563.4	27458	25205	23679.3	33670.2	31924.8	21811.2	TRUE
31982.7	25422.4	42793.4	39990.8	31535.7	46980.4	40151.8	27456.6	TRUE
205664.7	198928.3	225148.4	210993.1	210117.2	229811.2	239566.4	230283.2	TRUE
85141.5	77765.4	101872	95119	92484.7	87776.9	63592.7	78592.3	TRUE
62447.5	70800.3	88875	62636.9	48291.6	92285.3	77330.5	52959.7	TRUE
12949.1	27137.5	17304.5	22319.8	4276.5	21133.7	22523.3	9998.1	TRUE
19995.2	8655.7	10982.9	12774.9	19866.6	5056.3	8478.1	11559.3	TRUE
258542	167215.6	324773.1	262534.6	280016.2	217646.9	215911.7	227726.9	TRUE
352847.1	249580.7	359303.3	293123.8	314346.8	237692.4	236212.5	230090.1	TRUE
65879.7	70600.4	80288.2	55725.7	61750.6	88922.7	69681.8	63925.8	TRUE
360241.7	415006.8	465000.6	280495.6	290019.8	507731.8	441044.4	315032.4	TRUE
27581	30238.7	40151.2	23753.6	20561.6	33765.4	25882	9266.1	TRUE
175805.5	173649.1	223878.1	119773.6	100518.6	286744.2	261204.8	166491.9	TRUE
839148.4	390215.3	1028689	1073454	1149118	812027	537176.7	741024.5	TRUE
18825.5	16040.9	33985.1	35878.1	17075.7	10738.9	18544	25523.2	TRUE
16143.7	11948.7	27545	11861.9	6443.4	19573.4	24007	7078.8	TRUE
74889.7	68153.6	95084	61327.8	77766.6	78006.2	76119.6	74974.1	TRUE
366707.1	212938.8	308304.3	368897	337783.2	354917.8	290174.7	342360.9	TRUE
155648.9	143453.6	130170.7	91155.8	92241.4	124203.9	129970.8	97403.9	TRUE
230949.3	229518	253327.7	245638.6	249255.2	301479.1	283121.4	262914.7	TRUE

69753.2	97435.4	115668.5	71740.2	103097.1	90829.7	82010.6	78619.1	TRUE
82662.8	95129.4	76315.2	58982.2	52343.8	75254.4	93530.2	52748.3	TRUE
156625.5	118099.7	177309.4	163169	199210.4	138139.9	146851.5	160764	TRUE
41726.1	36541.1	27228.4	10672.9	28471.9	41691.3	43997.4	40413.1	TRUE
242429.8	172529.1	247283.5	249054	235294.1	226774.8	186543.1	218585.8	TRUE
479348.3	415865.2	544722.1	571684.9	488859.4	483477	454951.8	428276.7	TRUE
89751	57824.6	150280.9	51369.9	51641.2	241650.3	68244.7	62030.2	TRUE
246128.3	132357.1	156179.9	154900.2	579984.6	148407.6	137037.2	164674.7	TRUE
229393.3	180483.9	400517.6	154310.5	128281	399744.8	226114.7	161329.2	TRUE
56709.6	37943.2	115355.3	37929.6	28247	115096.3	46269.1	36510.8	TRUE
95891.8	82816	156665.9	89584.1	71393.8	182085	83809.3	88909.9	TRUE
168718.2	170521.6	260784.9	84694.7	108765.3	260103	140650	106485.8	TRUE
308723	252310.4	263284.1	272185.4	564246.7	250405.7	250492.7	270441	TRUE
50911.9	33951.5	86491.8	30025.2	17232.3	149144	53701.4	28065.3	TRUE
214286.8	81988	167978.7	142898.9	536886.1	126810	92823.3	115959.1	TRUE
41516.4	42265.7	26756.4	47490.9	28496.4	56936.2	50369.5	40301.5	TRUE
34726.3	37991.4	39742.1	35575.5	26500	49224.3	35693.8	41030.4	TRUE
57026	47468.7	55249	67259.4	53466.3	95899.1	68269.8	79967.2	TRUE
165406.2	163146.4	179306.2	143880.5	124588.9	196159.3	167146.6	149585	TRUE
77538.1	63980.6	71554	70565.7	69661.8	85177.8	78821	72292.9	TRUE
56917.8	76566.6	46902.6	69641.1	64669.6	67816.8	73384.8	44968.4	TRUE
75017.1	63843.9	55570.7	77751.9	69486.5	64578.7	70195.1	84713.3	TRUE
69843.5	76468.7	87757.7	74901.4	69364.1	70761.3	67784.7	78585.9	TRUE
115681.8	158940.2	129924.7	105245.8	92009	124255.6	149415.1	85748.5	TRUE
178071	178849.4	154516.1	198086.8	189265.7	173731.3	161905.5	174425	TRUE
41434.7	48731.3	40890.9	32887.7	24535.3	51198.2	58517.7	29604.4	TRUE
60532	71404.5	90066.8	72488.9	60293.5	86127	89891.4	70616.8	TRUE
82658.5	88180.9	74730.2	53731.1	60104	128778.7	106451.1	80393.8	TRUE
38600.6	46310.2	44829.4	20252.2	31930.4	46934.8	48153.9	35285	TRUE
1466385	738573.9	1137121	1398842	1190892	1114889	629551.9	1045422	TRUE
13030544	6045499	10124298	12803396	10417755	10069493	5566233	10092329	TRUE
10527200	5278975	7914178	10085061	9186162	8047031	4920228	9225623	TRUE
2170373	1109410	2545371	3388058	2594271	2603094	1326604	2493476	TRUE
902192.4	642205.1	1045492	1319455	994224.8	1098428	745663.4	1015389	TRUE
1334756	753832.6	1438237	1869058	1469119	1532571	926120.2	1436810	TRUE
353361.7	265634.5	379883.4	505570.8	362537.3	419307.3	265427.5	388989.4	TRUE
810640.1	710519.5	839439.2	926030.1	839268.5	877924.5	774435.9	844404.7	TRUE
161548.9	135392.2	156318.6	169993.2	146506.8	174638.7	128798.3	142014.6	TRUE
254377.6	149260	242432.3	353961.9	264054.4	322153.4	211546.3	288363.4	TRUE
145912.4	204090.5	225705.3	549557.3	430761.9	71597.6	37369.8	85032.5	TRUE
328328.2	476578.3	482701.4	1163917	1025470	201595.5	245713.2	214441.2	TRUE
125078.1	132662.3	165936.8	227009.7	202742.9	105587.1	67608	107917.7	TRUE

6195695	5549609	3555053	3622856	7109694	7919390	5730229	7435314	TRUE
1196202	1109339	649793.5	725659.8	1185936	1512353	1185746	1485203	TRUE
1031041	954966.7	586394	530292.9	986114.7	1331172	972428.4	1278910	TRUE
358043.5	326563.1	250696.9	324288.8	442945.2	641154.1	447048.2	553871.4	TRUE
2429830	2427110	2289459	2551106	2513521	3384401	2692004	3002155	TRUE
161423.7	138538.1	97091.7	95094	157415	194583.5	176331.4	214448.7	TRUE
155458.3	150365.2	111794.2	150270.3	184356.4	240770.8	192886.2	243767.4	TRUE
131764.4	104391.7	115336.7	113932.4	118189	158593.3	140876	134796.9	TRUE
1118824	628933.4	1195381	1538102	1180771	1184581	645711.3	1012820	TRUE
675136.1	393224.3	660869.5	781899	636046.6	694479.2	444373.7	640369.2	TRUE
911930.1	860738.7	561694.2	636692.2	929677.1	1196412	890606	1027635	TRUE
20604451	18693181	7483184	8916331	21082128	30138612	18484765	30431281	TRUE
2054642	1932556	787327.7	1080511	2201843	2736099	1954196	2847571	TRUE
1492253	1371658	630060.3	843012.4	1566155	2017817	1395866	2149791	TRUE
475988.5	494086	319037.4	380738.1	512613.9	564174.4	481638.3	563420.9	TRUE
761310.7	680392.5	424142.3	429725.1	760536.8	940499.1	696621.9	971490.5	TRUE
129634.1	117531.7	97788.5	115483.4	128251.8	175482.9	177274.1	163857.1	TRUE
152585.8	140336.9	154614.1	203040.7	202920.4	178648.9	153486.6	202499.9	TRUE
129777.4	81215.3	188511.2	151354.8	132602.2	130461.7	93105.2	165500.9	TRUE
101279.2	78510.4	93790.4	115978.6	109917.1	99239.4	69796.6	136093.2	TRUE
53466.8	62581.5	59667.2	78744.5	51259.9	63878.2	50671.3	59101.1	TRUE
95365.9	52507.3	60486.4	72731.3	61759.6	78571.6	57096.9	77750.1	TRUE
71504.9	48444.9	38212.7	70032	40826.5	66791.7	52759.3	67794.1	TRUE
105005.4	77109.5	171620.8	99964.5	82041.3	104602.1	70636	105303.8	TRUE
575928.6	294001.4	394394.6	879120.4	622055.7	649857.6	448683.1	737737.2	TRUE
160548.3	106592.7	117467.8	223545.2	172123.6	172113.6	120393.4	215721	TRUE
118443.2	66954.4	78681.9	177773	125937.7	128879.4	83020	142580.7	TRUE
350624.8	210879	259095.8	512209.6	381682.8	407441	268244	444901.2	TRUE
219059.4	127835.7	150534.7	336791.4	229715.8	244807.5	140453.6	284549.3	TRUE
251050	170336.6	170053.3	324439.9	291240.8	303307.6	248581.4	365227.1	TRUE
113435.2	69400.2	79453.2	143948.8	106357.7	110442.4	79942.5	120078.7	TRUE
77215.3	172115.7	71557.4	99171.8	153731.3	59849.9	53688.9	65284.5	TRUE
47339	93244.1	93335.7	64584.7	57687.2	90547.4	70085	59937.5	TRUE
1055743	1117842	497143.8	737956.6	1094764	1772971	1426544	1782466	TRUE
405973.1	422515.8	191774.3	309367.4	377091.6	634253.1	560332.3	620217	TRUE
276263.3	273533.1	160201.8	212317	258093.6	387466.1	308491.4	428289.1	TRUE
305560.2	270500	182445.6	222207.4	289840.8	406832.3	382061.4	437987.7	TRUE
1494921	1765785	794905.1	1041853	1446627	2277342	2137183	2374053	TRUE
184256.1	220950.2	93871.4	117618	171280.2	217703.7	199427.9	250135.3	TRUE
168964.8	173287.7	81313.5	96856.4	136341.2	195838.2	161795.2	211641.7	TRUE
45054.9	21479.3	35567.8	36841.5	28075.2	40181.1	26515.8	36059.5	TRUE
625367.4	328690.1	430457.8	593805.8	400405.8	567098	355160.4	549841.2	TRUE

55443.2	55539.8	71090.6	98114.5	77202.2	40126.7	36726.3	37902.3	TRUE
29440.6	45658.5	50480.1	121381.3	118775.5	40907.1	13959.4	45176.5	TRUE
33547.6	45758.5	40717	70389.4	80139.9	28090.5	10214.1	13705.1	TRUE
132611.9	92885.1	131665.8	143934.6	98250.3	150650.5	112386.9	128007.6	TRUE
128580.5	60718.2	116079.7	145837.9	131301.8	129139.2	54343.1	99251.1	TRUE
183130.2	122680.7	167621.6	234093.3	166417.3	189963.1	132673.1	189709	TRUE
192238.5	150633.9	184272.6	201265.2	198783.9	198820.6	169782.4	198026.3	TRUE
194761.2	123369.2	207333.2	276032	172246.2	231459.9	118005.8	184899.5	TRUE
1069806	508770	1025166	1365029	1099933	1223943	560615.3	1243771	TRUE
2868352	1268654	2599428	3842663	2735382	3170865	1438782	2976491	TRUE
79296.9	49296.3	86997.6	106277	79170.2	86618.8	61872.1	106513.6	TRUE
264447.5	164784.6	266717.8	268439.9	251931.1	275764.9	179273.4	263852.8	TRUE
109871.4	157364.9	114603.9	123572.2	176365.4	107473.8	79532	69419.3	TRUE
93568.4	124411.8	119353.7	111943.2	115223.4	110131	79901.7	104044.3	TRUE
79974.6	80304.4	52133.1	70418.3	72379.2	80326.5	87787.2	98353.1	TRUE
93231.7	76586.4	39744.7	60432.1	88402	96251.9	95050.5	99553.7	TRUE
174963.6	134766.1	109361.4	98159	163766.4	186385.5	144775.7	182887.9	TRUE
92055.6	82799.1	36829.4	49096.9	66382.7	75664.3	85114.1	81519.7	TRUE
171406	154412.4	65866.9	87329.6	163765.6	173317.9	140206.6	165930.3	TRUE
107814.6	103993.1	86914.5	90426.9	107772.4	130418.1	105630.4	124857.4	TRUE
111247.3	59613.9	63846.7	37931.8	89270.1	94805.5	80192	95423	TRUE
321025.6	265779.3	139133.6	151066.7	288330.4	365465.4	298719.1	399050.1	TRUE
90649.9	80036.4	53703.6	73489.9	161595.5	170702.5	128276.4	171026.6	TRUE
50543	55250.5	29565	43277.4	89519	84193.8	59315.8	93319.5	TRUE
3559540	1596903	3877636	4615809	3298017	4163428	1763391	3126450	TRUE
6725670	3112758	6434974	7915596	5645276	7195211	3262665	6350145	TRUE
1172975	681596.4	1148978	1361490	1078731	1196785	731713.3	1134841	TRUE
76474.3	50424.6	68665.3	111944.9	78092	93343.5	46649.8	86336.2	TRUE
105533.4	81397.9	131758.7	153597	112266.6	149918.3	101645.6	132932.4	TRUE
105239.1	43384.5	141359.2	116952.4	77495	141943.6	65760.5	98153.8	TRUE
141844.6	214509.7	220791.2	437565.8	400472.9	50919.3	25630	44517.1	TRUE
2725551	2424865	1638994	1746126	3257622	3623352	2707168	3437355	TRUE
48538602	41513125	19028855	19582311	52863083	62461702	43635160	61308405	TRUE
4982249	4640030	2058553	2323118	5714371	6545527	4791616	6929141	TRUE
936187.5	863303.1	494828.6	483454.7	1049647	1353058	913099.9	1324314	TRUE
282704	258599.9	205727.2	197653.3	293522.3	348111.2	266519.6	332808.5	TRUE
43542.4	45287.2	33804	51386.3	46984.2	27955.2	44630.8	37172.4	TRUE
38208.5	23319.6	23237.1	37610.2	18100.4	17827.7	16821.5	23543.9	TRUE
8215.1	6286.8	5321.2	6733.9	6094.7	11969.6	7952	7167.9	TRUE

722074.9	337234.4	467038.7	732451.5	686492.7	742494.1	392032.2	913743	TRUE
3980381	1618773	2490948	3641178	3788661	3764353	1771534	5198647	TRUE
305089.4	188614.9	303443.3	354310.9	364410.8	311744.1	206032.3	351873.6	TRUE
350865	199089.3	349202.3	418042.3	427353.5	363995.8	221826	442300.4	TRUE
1006687	1028504	426736.2	553032.2	934024.4	1141074	1105770	1090144	TRUE
717594.6	811707.2	397329.6	482005	638933.5	878957.4	965084.2	884778	TRUE
155701.6	144641.7	99337.6	102857.7	131142	192855.7	185089.1	193490.8	TRUE
626705.2	669105.2	277150.7	381747.4	567409	758573.4	833348	867114.5	TRUE
231424.4	258544.5	92842.6	113477.6	208354.5	234796.5	282450.5	282572.3	TRUE
50432.5	28529.1	31466.3	24769	26766.7	27184.8	40557.1	33143.3	TRUE
108760.6	117166.8	73974	88676.3	110514.7	139893	149149.1	146955.9	TRUE
26599.9	20566.8	20134.5	21974	15998.6	40242	24182.5	21850.7	TRUE
34537.9	9738.9	37223.4	48016.2	24163.4	49801.6	15927.7	27411.3	TRUE
19288	8221	15302.7	11633.7	9468.9	24785.7	8937.5	12505.6	TRUE
30274.2	9807.2	23016.5	29872.1	21072.4	49169.4	38832.6	36013.6	TRUE
1118824	628933.4	1195381	1538102	1180771	1184581	645711.3	1012820	TRUE
675136.1	393224.3	660869.5	781899	636046.6	694479.2	444373.7	640369.2	TRUE
911930.1	860738.7	561694.2	636692.2	929677.1	1196412	890606	1027635	TRUE
20604451	18693181	7483184	8916331	21082128	30138612	18484765	30431281	TRUE
2054642	1932556	787327.7	1080511	2201843	2736099	1954196	2847571	TRUE
1492253	1371658	630060.3	843012.4	1566155	2017817	1395866	2149791	TRUE
475988.5	494086	319037.4	380738.1	512613.9	564174.4	481638.3	563420.9	TRUE
761310.7	680392.5	424142.3	429725.1	760536.8	940499.1	696621.9	971490.5	TRUE
129634.1	117531.7	97788.5	115483.4	128251.8	175482.9	177274.1	163857.1	TRUE
70777.8	55744.3	90001.4	104201.9	97873.7	162827.4	42306.3	127806	TRUE
199165	122068.4	253437.2	205719.3	199605.8	253306.1	137853.2	230812.3	TRUE
152047.2	105086.6	322140.3	293886.4	336944.2	439824.5	152054.4	268701.9	TRUE
60379.1	30500	71414.2	71912.9	84943.5	133139.4	36119.4	82958.9	TRUE
173555.4	143727.7	69621.2	98924.8	166550.4	214394.3	156469.6	194472.6	TRUE
67464.4	77721.5	50251.2	59747.9	89506.4	79561.3	99631.2	79016.4	TRUE
45054.9	21479.3	35567.8	36841.5	28075.2	40181.1	26515.8	36059.5	TRUE
625367.4	328690.1	430457.8	593805.8	400405.8	567098	355160.4	549841.2	TRUE
55443.2	55539.8	71090.6	98114.5	77202.2	40126.7	36726.3	37902.3	TRUE
29440.6	45658.5	50480.1	121381.3	118775.5	40907.1	13959.4	45176.5	TRUE
33547.6	45758.5	40717	70389.4	80139.9	28090.5	10214.1	13705.1	TRUE
132611.9	92885.1	131665.8	143934.6	98250.3	150650.5	112386.9	128007.6	TRUE
128580.5	60718.2	116079.7	145837.9	131301.8	129139.2	54343.1	99251.1	TRUE
183130.2	122680.7	167621.6	234093.3	166417.3	189963.1	132673.1	189709	TRUE
192238.5	150633.9	184272.6	201265.2	198783.9	198820.6	169782.4	198026.3	TRUE
194761.2	123369.2	207333.2	276032	172246.2	231459.9	118005.8	184899.5	TRUE
1069806	508770	1025166	1365029	1099933	1223943	560615.3	1243771	TRUE

2868352	1268654	2599428	3842663	2735382	3170865	1438782	2976491	TRUE
79296.9	49296.3	86997.6	106277	79170.2	86618.8	61872.1	106513.6	TRUE
264447.5	164784.6	266717.8	268439.9	251931.1	275764.9	179273.4	263852.8	TRUE
109871.4	157364.9	114603.9	123572.2	176365.4	107473.8	79532	69419.3	TRUE
93568.4	124411.8	119353.7	111943.2	115223.4	110131	79901.7	104044.3	TRUE
79974.6	80304.4	52133.1	70418.3	72379.2	80326.5	87787.2	98353.1	TRUE
93231.7	76586.4	39744.7	60432.1	88402	96251.9	95050.5	99553.7	TRUE
174963.6	134766.1	109361.4	98159	163766.4	186385.5	144775.7	182887.9	TRUE
92055.6	82799.1	36829.4	49096.9	66382.7	75664.3	85114.1	81519.7	TRUE
171406	154412.4	65866.9	87329.6	163765.6	173317.9	140206.6	165930.3	TRUE
107814.6	103993.1	86914.5	90426.9	107772.4	130418.1	105630.4	124857.4	TRUE
111247.3	59613.9	63846.7	37931.8	89270.1	94805.5	80192	95423	TRUE
321025.6	265779.3	139133.6	151066.7	288330.4	365465.4	298719.1	399050.1	TRUE
90649.9	80036.4	53703.6	73489.9	161595.5	170702.5	128276.4	171026.6	TRUE
50543	55250.5	29565	43277.4	89519	84193.8	59315.8	93319.5	TRUE
3559540	1596903	3877636	4615809	3298017	4163428	1763391	3126450	TRUE
6725670	3112758	6434974	7915596	5645276	7195211	3262665	6350145	TRUE
1172975	681596.4	1148978	1361490	1078731	1196785	731713.3	1134841	TRUE
76474.3	50424.6	68665.3	111944.9	78092	93343.5	46649.8	86336.2	TRUE
105533.4	81397.9	131758.7	153597	112266.6	149918.3	101645.6	132932.4	TRUE
105239.1	43384.5	141359.2	116952.4	77495	141943.6	65760.5	98153.8	TRUE
141844.6	214509.7	220791.2	437565.8	400472.9	50919.3	25630	44517.1	TRUE
2725551	2424865	1638994	1746126	3257622	3623352	2707168	3437355	TRUE
48538602	41513125	19028855	19582311	52863083	62461702	43635160	61308405	TRUE
4982249	4640030	2058553	2323118	5714371	6545527	4791616	6929141	TRUE
936187.5	863303.1	494828.6	483454.7	1049647	1353058	913099.9	1324314	TRUE
282704	258599.9	205727.2	197653.3	293522.3	348111.2	266519.6	332808.5	TRUE
722074.9	337234.4	467038.7	732451.5	686492.7	742494.1	392032.2	913743	TRUE
3980381	1618773	2490948	3641178	3788661	3764353	1771534	5198647	TRUE
305089.4	188614.9	303443.3	354310.9	364410.8	311744.1	206032.3	351873.6	TRUE
350865	199089.3	349202.3	418042.3	427353.5	363995.8	221826	442300.4	TRUE
1006687	1028504	426736.2	553032.2	934024.4	1141074	1105770	1090144	TRUE
717594.6	811707.2	397329.6	482005	638933.5	878957.4	965084.2	884778	TRUE
155701.6	144641.7	99337.6	102857.7	131142	192855.7	185089.1	193490.8	TRUE
626705.2	669105.2	277150.7	381747.4	567409	758573.4	833348	867114.5	TRUE
231424.4	258544.5	92842.6	113477.6	208354.5	234796.5	282450.5	282572.3	TRUE
50432.5	28529.1	31466.3	24769	26766.7	27184.8	40557.1	33143.3	TRUE
108760.6	117166.8	73974	88676.3	110514.7	139893	149149.1	146955.9	TRUE
83346.3	71248.7	85575.6	131369.9	86991.1	85523.9	84345.4	100724.8	TRUE
222386.9	94299.6	138854.8	263735.4	193032.1	212150.3	142969.4	253411.7	TRUE
100431	50302.5	61151.1	126809.8	87458	116418.5	84009.8	167415.8	TRUE

168330.2	100124.6	93683.8	211503.5	126580.6	168104.1	116375	184092.1	TRUE
105522.9	81029.7	122485.4	169147.5	151612.5	253503.9	128678.4	223134.2	TRUE
34981.7	10498.4	38188	77293.3	69525.4	81986.4	33761.7	97140.4	TRUE
184946.8	96964.7	219165.1	360372.4	300318.6	403547.3	154635.6	298271.5	TRUE
72250.8	84565.9	94124.8	85617.8	99667.5	154498.1	90135.7	127229.2	TRUE
264606.4	270108.1	196426.3	310341.2	358948.6	682489	542390.4	560326.7	TRUE
436472.9	422178.9	202439.8	360342.5	497858.5	823531.7	643016.9	575484.3	TRUE
32376.7	30965.3	36603.7	39910.3	34793.2	34313.8	35452.2	25386.6	TRUE
105894.6	67571.5	103686.9	209838.8	97594.6	106877.3	79392.8	120976.2	TRUE
202111.4	106452.5	194195.8	370944.7	257956.7	414137.6	174223.2	254980.2	TRUE
113498	48351.3	137760.9	220613.1	178090.1	226302.1	96142.3	170260.1	TRUE
344994.8	305020.7	191980.9	232058.6	395045	547677.7	462108.8	437590	TRUE
158680.8	158383.4	61800.2	121277.6	228430.8	262195.8	227218.2	244201.2	TRUE
493010	519625.8	275758.8	421301.9	588140.9	842233.8	738410.8	741733.5	TRUE
578688.8	491705	417296.9	363947.7	482655.9	668346.7	444484.5	604075.2	TRUE
59607.5	36838.4	65032.5	5837.8	42398.8	59119.1	12619.6	29373.7	TRUE
676799.7	218013	664173.2	423357.8	263134.1	674954.1	203697	299112.8	TRUE
480855.5	175999.2	785310.9	699892.5	409199.4	877984.1	278582.7	407695.6	TRUE
80727.9	40011.6	103768.9	95456.5	61450.7	114831.7	61225.6	60413.9	TRUE
27432.9	5294.9	45756.6	45589	17622.5	41422	11342.6	17273.6	TRUE
101010.8	116053.2	307620.8	252955.4	210982.4	110294.4	58679.6	66159.6	TRUE
38222	8704.4	27907	27077.4	27875.4	56274	8054.3	35627.7	TRUE
51661.8	28207.7	38092.2	24958.9	51345.7	49107.4	35035.4	45802.2	TRUE
285294	133167.4	116375.3	86650	481819.1	329514.6	191188.7	312997.4	TRUE
17932.5	40105.7	5548	37032.4	119694.1	7367.7	5465.2	25246.8	TRUE
19647	32413.3	8474.2	30345.9	5473.1	10846	31379.7	11386.2	TRUE
56022.3	73668.5	32394.6	63209.3	128760	37241.2	77345.7	104352.4	TRUE
1398816	1682895	816901.7	1465967	2932993	949610.6	1799799	3033513	TRUE
38202.6	50707.5	30840.5	43127.6	96581.8	26371.6	49033.1	97642.6	TRUE
28882.7	23344.6	12540.7	27903.8	37100.5	17150.7	43846.2	52406.1	TRUE
9030.3	25751.4	10839.6	28324.4	6961.2	14683.4	36024.2	12194.4	TRUE
55583.8	76196.9	68962.4	59622.8	31077.9	60096.6	90852.4	52451.8	TRUE
35125.7	52697.4	29410.9	41113.2	22190.2	34742.2	58495.9	49830.1	TRUE
38244.4	36732.6	30136.5	25831.9	14646.7	30205.1	41031.5	26604.2	TRUE
156261.7	166361.9	177176.7	191288.8	213605.2	162289	198644.2	193721.7	TRUE
9225462	8230454	7704616	9011967	9206596	7496722	8220253	8606859	TRUE
169752.5	161217.1	139538.2	175467.7	151887.9	142919.7	149957	152527.1	TRUE
960435.1	861378.4	1110032	1347275	1305547	1114033	1271338	1228182	TRUE
177290.2	171668.2	132748.1	197953.5	179441	158550.2	170115.1	178791.2	TRUE

453406	403622.2	303659.6	407776.5	465157.9	451794.3	490905	527526.2	TRUE
141500.8	148443.7	144966.2	132450.7	143385	117821.8	130083.8	130731.3	TRUE
106426.7	119940.3	57550	90324.3	91984.5	78491.9	88359.5	93600.1	TRUE
1626390	1443266	1262972	1460300	1587906	1295564	1634660	1718613	TRUE
186869.1	501868.5	381675.6	417591.6	427480.7	97012.2	111754.3	97270.6	TRUE
107869.4	111213.7	147055.3	112620.7	104548.3	120107	134909.4	98729.3	TRUE
246195.3	407443.3	305682.2	313818.5	375800.4	215881.1	238354.6	241550.8	TRUE
189033.9	184502.7	270954	159461.9	195681	177784.8	182184.5	190627.5	TRUE
61628.3	83011.8	98181.2	69026.2	60019.5	60806.3	61390.4	61857.9	TRUE
95452.1	112052.6	109589.8	81059.5	82127.2	90283.8	120286.1	104607.9	TRUE
1580337	1467316	1252271	1641365	1603448	1643440	1730511	1996662	TRUE
172662.3	158345.8	138620.6	154662.1	157240.6	166312.2	195213.3	204623.7	TRUE
104008.5	121751.7	93494.5	136284.8	118865.6	111275.8	131218.2	131587.7	TRUE
44433.8	55344.2	39269.4	49288.9	51103.6	38326.8	61007.9	47960.5	TRUE
125289.2	107552.5	80000.9	76559.1	85214.8	115388.2	108881.9	111256.7	TRUE
733047.5	534385.5	277959.8	475478.9	441562.7	538942.2	532773.9	586326.1	TRUE
53701.9	63836.8	42955.3	33311.3	36522.1	42205.4	60539.2	45248.3	TRUE
104111.5	77935.5	83288.2	97022.7	94481.4	118004.9	99524.3	101401.6	TRUE
48540	34976.1	48307.5	82669.5	54980.2	70570.4	66464.9	53631.7	TRUE
180028.4	146281.3	148188	193550.5	157774	182436.2	206475.7	187943.9	TRUE
52086.3	46583.5	45353.4	72450.2	59961.5	60284	78419.3	63154.3	TRUE
107129	111398.3	97734.1	95605	98313.4	107284.8	139485.6	99805.7	TRUE
158685.6	322593.6	178259.5	323483	340988.5	106193.4	68627.3	94587	TRUE
57264	130526.7	63290.3	113825	121203.2	38159.7	33814.5	35216.8	TRUE
29974.8	25877	46222.1	14244.6	28563.3	32491.7	38004.8	18853.7	TRUE
454551.3	313347.7	417290.5	333659.6	308815.3	392964.8	416440	376138.3	TRUE
228826.9	187965.3	202875.8	242932.6	220009.5	275331	246000.2	262219.5	TRUE
485070.5	395290.3	376274.1	581209.2	430921.4	561528.1	601431.9	579882.8	TRUE
195594.5	206565.1	182947	241013.2	203746.5	279103	242965	256135.3	TRUE
131266.2	115098.3	117827.7	143580.9	107808.9	147787.2	142340.3	181686.4	TRUE
105056	113228.4	85999	120801.5	109367.8	127878.6	150447.1	118811.2	TRUE
134184.9	106604.4	100299.9	112701	113046.5	138037.6	112581.5	143313.6	TRUE
33674.2	30062.5	43796.1	12989.8	25337.4	42205.5	25197	28643.7	TRUE
585362.4	508778.9	548678.6	523990.7	517878.3	607733.4	558358.1	717836.5	TRUE
122633.5	110962.3	109419.4	137392.4	110385	101322.8	119557.8	126195	TRUE
209591.3	204201.3	207073.1	211722	220284.8	199259.6	231310.1	190633.1	TRUE
79884.1	70708.5	64798.1	73018.3	69040.9	80896.6	93909.4	86192.4	TRUE
1003063	847090.9	979259.6	988118.9	833992.8	1244800	1219098	1247333	TRUE
1828178	1926553	1631183	1972731	1515960	1857070	1736122	1728060	TRUE
91638.7	65453.1	51414.3	70010.5	66380.2	66485.3	81545.1	99318.9	TRUE
128890.6	159121.3	127627.1	173635.5	117180.9	160060.6	205523.2	178950.8	TRUE
99549.6	73735.5	71832	65014.9	96092.5	84150.4	77841.1	107386.6	TRUE
41034.5	20568.6	6284.8	18157.9	18554.1	33703.2	11090.2	37789.9	TRUE
28266.7	31832.6	37082.5	19071.9	33838.7	38495.8	29722.6	31260.2	TRUE
121300.8	134603.2	129213.1	130684.9	156691.6	126701.5	153390.1	147855.4	TRUE
105235.2	128044.2	106063.3	104538.8	132923	117165	141087.4	117796.7	TRUE

48046.5	58394.6	47985.7	89846.6	60877.8	56804.2	58573.9	61120.1	TRUE
27733	27636.1	22909.4	34167.1	26905.3	43863.9	26287.1	20362.2	TRUE
75936.9	94053.6	65209.9	76154.6	85919.6	70284.9	79652.9	69659	TRUE
24687.2	8151.8	8484.3	28296.8	21603	18990.4	13873.5	23276.4	TRUE
36907.7	33703.2	38785.2	36603	45125.6	45013	49692.9	47102.6	TRUE
46808.1	49231.9	32990.7	29465	46450.8	39066.1	50272.9	51083.7	TRUE
71275.4	63317.5	63047.1	71449.7	56130.8	79711.5	63438.3	64286.4	TRUE
719031.1	611264.7	630912.1	675265	772253.7	719529.1	692521.6	733747.3	TRUE
36693.6	32597.4	38903	46723.6	30035.9	38095.7	31922.5	18229.5	TRUE
64922.3	56596.7	44441.3	43875.6	59164.3	66080.9	67673.7	65264.7	TRUE
82682.6	64989.3	64165	53199.9	63498.7	94466.1	80948.3	105700.1	TRUE
65867.6	85607.5	58211.5	62244.2	75466.2	57238.2	64100.3	84193.2	TRUE
85523.4	61217	58069.8	64529.2	63408.6	92916.3	68350.6	94940.8	TRUE
192693.8	474957.4	164272.6	298967	363995.9	85507.6	119351.1	106801.7	TRUE
129515.8	284083.1	254640.5	326966.4	282566.7	101254.8	147641.3	110954.8	TRUE
19647	32413.3	8474.2	30345.9	5473.1	10846	31379.7	11386.2	TRUE
79941.6	85859.9	46857.7	40727.6	91477.6	52471.7	108815.4	99739.9	TRUE
24581.6	17195.1	15044.7	5724.4	22635.1	15874.3	19730.5	29855.7	TRUE
44543.7	49801.9	46290.2	31280.7	49584.3	39924.2	64442.3	48086.2	TRUE
60826.9	70593.7	55796.6	53094.5	91138.2	55502.7	53750	73002.4	TRUE
201076.9	229345.3	204015.3	174012.2	357413.3	225112.2	309161.1	362717.9	TRUE
153123.7	164830.3	166932.2	153406.4	274913.9	191572.7	207698.9	260944.1	TRUE
56346.3	64744.4	83851.2	41989.9	81334.8	54028.5	51565.4	52569.4	TRUE
35948	45996.8	79385.1	28279.3	26422.8	25709	36196.9	27341.3	TRUE
180340.4	193209.5	171838.9	164876.7	159119.4	64129	195720.3	75772.4	TRUE
664413.2	658291.6	587076.3	683673.3	480061.9	211455.2	720267.1	240132.6	TRUE
74019.2	78093	66979.5	87786.3	50825.1	16778.7	79484.4	9865.9	TRUE
3185323	3827377	2807886	3719892	2269099	724860.1	3978483	886447.3	TRUE
142084.8	146173	119649.8	128310.6	130474.4	73761.3	179724.5	101431.8	TRUE
39666.9	47757.4	51250.8	34840.9	39789	20152.4	30337.6	13601.1	TRUE
93995.6	95719.1	127623.2	138483.5	98033.1	51335.8	151810.5	54927.7	TRUE
32439	25105.5	23668.5	30614.3	23230.2	26963.9	32499.7	35333	TRUE
156261.7	166361.9	177176.7	191288.8	213605.2	162289	198644.2	193721.7	TRUE
9225462	8230454	7704616	9011967	9206596	7496722	8220253	8606859	TRUE
169752.5	161217.1	139538.2	175467.7	151887.9	142919.7	149957	152527.1	TRUE
960435.1	861378.4	1110032	1347275	1305547	1114033	1271338	1228182	TRUE
177290.2	171668.2	132748.1	197953.5	179441	158550.2	170115.1	178791.2	TRUE
453406	403622.2	303659.6	407776.5	465157.9	451794.3	490905	527526.2	TRUE
141500.8	148443.7	144966.2	132450.7	143385	117821.8	130083.8	130731.3	TRUE
106426.7	119940.3	57550	90324.3	91984.5	78491.9	88359.5	93600.1	TRUE
1626390	1443266	1262972	1460300	1587906	1295564	1634660	1718613	TRUE
186869.1	501868.5	381675.6	417591.6	427480.7	97012.2	111754.3	97270.6	TRUE

107869.4	111213.7	147055.3	112620.7	104548.3	120107	134909.4	98729.3	TRUE
22859.6	20333.6	27595.8	25052.1	25547.2	19655.8	24373.4	23376.8	TRUE
29192.8	23999.3	21069.1	29472.2	30828.6	21629.4	37540.6	33989.2	TRUE
633941.5	648277.8	575147.9	654315.8	658437.8	538065.3	657974.7	608310.8	TRUE
3317224	3386268	2095124	2935068	3283484	2415986	3436445	3417660	TRUE
949270.6	1078427	752737	905744.1	950010	770183.6	1022454	997514.8	TRUE
526975.7	499415.5	380383.7	469485.6	536741.6	417582.9	587310.6	524715.3	TRUE
95973.6	116861.7	62421	84723.9	94529.8	85223.2	96401.7	96694.3	TRUE
86116	84719.9	61499.8	57623.2	74649.8	62837.1	83531	69981.9	TRUE
115383.7	112905.3	129869.4	206817.9	160808.4	165931.2	193057.6	174305.9	TRUE
63307.5	205355.8	123125.9	192511.9	149189.8	37611	8111.2	15343.9	TRUE
78106.9	102547.3	58194.9	74645.6	99621.8	79115.1	101444.5	91150.2	TRUE
422884.5	436289.8	478385.2	416290.5	479463.8	443322.9	482097.3	458956.4	TRUE
951894.6	1008125	823515.8	976838.5	983120	840056.1	1029766	945351.4	TRUE
212458.8	235832.9	154279.3	217837.2	216786.1	205088.2	264648.7	275262.6	TRUE
373756.6	372497.2	441027.1	482246.3	332363.2	424002	373305.7	387784.7	TRUE
239897.1	244053.5	270525.7	295854.1	217005.1	256382.3	252012.3	256670.3	TRUE
533459.1	531751.2	509284.4	555965.2	442384.3	554878.2	546161.9	544348.1	TRUE
365755.5	357733.3	412967.5	403966.6	333795.4	449387.9	380386	388236	TRUE
16289.1	12709.7	5392.8	7180.3	22308	7152.9	7006.9	22409.3	TRUE
31134.2	13503.7	19877.2	25951.1	47360.6	22175.3	41586.6	41841.4	TRUE
76107.3	97481.8	69989.4	75022.3	74866.4	61181.1	89215.1	88122.3	TRUE
947753.9	1084581	546013	944991.1	1034423	619549.6	1090108	1024563	TRUE
665910.5	860988.7	384186.2	632546.3	739770.8	447403.2	814280.3	729368	TRUE
56991.5	76632.7	46569.6	65990.8	87488	50336.9	77100	94539	TRUE
31663.3	32163.5	44989.8	57862.3	42337.9	36693.8	49005.3	55275.5	TRUE
97742.6	91368.1	83431.2	111164.2	134986.8	82855.5	131611.8	137287.2	TRUE
53872.2	67012.6	55219.9	101927.6	98362.4	53782.3	86863.4	68025.1	TRUE
66460.3	184691.7	64297	149970.8	160140.5	41285.9	62922.9	62184.6	TRUE
104549.1	126351.7	70686.2	99191	127242.1	72152.1	132301.7	141009.6	TRUE
210407.9	231009.1	222509.2	263142.8	167220.9	215542.6	220459.3	214226.5	TRUE
559786.2	551793.8	609247.4	686766.8	392631.4	603834.6	611183.4	584657.8	TRUE
336703.6	375120.7	366387.3	455509.5	236780.6	350880.9	351300.8	331667.6	TRUE
39036.2	45305.2	40314.9	47061.2	7957.9	29268.8	41982.3	47203.8	TRUE
67259.8	48368.9	44448.5	52624.6	33153.7	38382.7	54989.3	50271.8	TRUE
91814.5	82897.3	92989	97813.2	46218	67086.9	74560.2	81409	TRUE
144365.6	123952.5	119366.2	106585.2	74427.2	107401.8	142062.2	115886.9	TRUE
54291.9	39713.7	14978.2	31651.5	40702.3	40690.2	56319.8	48823.8	TRUE
82572.2	66774.3	34661.4	79805.9	57493.8	76837.9	90066.6	96527.4	TRUE
624309.9	624713.7	251292.4	522342.3	540975.2	459923.9	809447	752903.7	TRUE
70074.9	72513.9	35997.2	57102.2	56447.9	51927.3	94736.1	84577.5	TRUE
76081	59141.8	58596	84409.9	56475.3	73861.2	75400.5	85184.9	TRUE
1233404	991296.8	1170520	1573717	841135.6	1217216	1266538	1318063	TRUE

215250.8	240699	110716.9	106608.4	157375.1	122599.8	163978.9	172220.7	TRUE
2060615	2057959	1789539	1881837	2034633	2003371	2418459	2017092	TRUE
140965.6	111571.9	102929.6	101497.3	121959	92696.9	115674.3	100842.1	TRUE
30736.1	52420.5	29080.1	24642.1	43851.9	15197.5	10586.8	33167.6	TRUE
55650.6	61033.2	26979.1	65251.7	59543.5	47685.6	54263	52070.4	TRUE
22066.4	31426.5	25380.4	28839.5	38763.1	15553.8	12164.2	10259.4	TRUE
38160.5	66582.5	43185.8	105355.2	82303.6	32414.1	41015.7	42906.5	TRUE
45225	42147	30238.6	42291.2	50499.7	42631.5	41815.3	50266.6	TRUE
7784350	6870954	9187699	9208673	7223776	6879628	7775314	7191406	TRUE
34035.7	49492.1	49136	43387.5	50694.2	43382	45063.8	40329.1	TRUE
31094.2	78453.6	59488	83189.2	76948.2	8617.8	11501.4	11627.5	TRUE
121439.3	40612.1	13426.3	33695.3	33213.5	35720.2	40076.9	26485.2	TRUE
107323.9	98153.6	75543.5	95951.7	86237.7	80475.3	102522.2	107595.1	TRUE
42053.9	26419.9	17975.1	24598.6	30783.3	31539.9	14301.6	13660.1	TRUE
42202.4	35721.9	34046.8	37929.1	26084.2	58249.9	34874.1	29315.2	TRUE
85074.5	53987.5	71529.4	67738.5	46993.1	91946.1	86913.1	39389.8	TRUE
373924.1	392311.3	264349.5	328154.4	233254.2	302077.5	358426.8	248300.9	TRUE
76328.6	88211.2	95414.5	95347.5	46037.9	111499.6	104130.4	69663.8	TRUE
34095.3	31625.1	33660.8	45959.4	24265.5	64246	49250.6	34852.5	TRUE
39181.8	23911.4	24084.8	24473.8	33561.7	45882.2	43204.4	25678	TRUE
104251.9	81301.4	65701.9	109657.8	68444.6	143738	129291.9	100665.4	TRUE
109040.1	101427.3	74811.3	135133.1	81458.7	116421.7	131038.1	80411.9	TRUE
77062.9	56600.8	57626.8	64799.9	49548.7	82889.7	70796.7	55680.5	TRUE
50378.5	36875	49104.3	51720.9	37291.6	66282.5	57125.4	60396.4	TRUE
151860.3	146637.7	109575.8	146060.1	110733	171697.4	222486	117481	TRUE
58923.9	75934.7	57071.7	69104	56737.8	76920.4	81923.1	74105.8	TRUE
53570.5	80941	63459.1	81411.1	76322.3	59745	51496.5	49762	TRUE
96755.5	79425	75265.3	89018.5	75855	69604.1	100449.7	49306.4	TRUE
44408.3	36721.2	39498.3	65588.2	37628.8	59069.8	61885.1	38536.5	TRUE
80587.5	48660.5	44495.3	63315.4	59643.8	105045.7	50402.2	114685.5	TRUE
168897.3	122273.4	129682.4	168845.4	162319.8	180433.2	125076.3	215001.3	TRUE
38948.9	28572.3	35591	36527.7	53393.5	60975.6	42320.2	37728.7	TRUE
61884.2	70639	64026.9	85940.4	68858.7	90649.9	47465.4	88182.4	TRUE
213319.7	142316.7	160023.8	164570.8	120850	191583.7	190196.1	115625.2	TRUE
3621142	3448447	4764903	3740516	2131531	4581465	4257727	2666430	TRUE
158424	141150.6	244913.3	131713.9	97720.9	179986.7	159242.2	92686.9	TRUE
152342.2	141909	127847.9	169376.8	147034.4	183921.9	178255.5	171985.1	TRUE
197196.1	229650.3	230611.9	325772.1	341912.2	169371.9	163342.7	141875.2	TRUE
458350.9	548545.3	607865.6	631897.6	783856.2	502297.7	407655.1	438229.3	TRUE
62000	81202.9	77259.6	69553.5	68051.3	58925.8	52134.8	57375.9	TRUE
168297.4	100194	115924.4	140497.2	117736.1	142817.1	111810.9	138882.9	TRUE
28221.4	16550	63731.1	24237.2	28003.7	30828.9	22822.9	29823.8	TRUE

60165.4	63622.6	76596.8	81158.5	65022.6	64492.4	60826.3	60767.1	TRUE
131612.1	64749.1	140950.7	152510.8	153855.8	165203.1	74261.5	146866.2	TRUE
66174.9	47606.8	137717.5	65828.8	67517.8	67501.6	47846.4	64746.1	TRUE
8643.5	4821.6	10010.7	6452.7	16641.6	6018.2	8946.8	9215.7	TRUE
715396.3	675586.6	664303.3	589555.2	518570	765329.5	692240	556071.4	TRUE
37807.8	100554.4	53167.8	156636.5	73873.9	29174.9	24163.5	27841	TRUE
29557.4	76079	39479.5	68006.5	61741.9	18603.8	7210.4	9878.7	TRUE
70229.5	166547.2	87180.6	114742.6	119100.5	48747.2	48697.4	48259.1	TRUE
385582.3	375337.7	450777.5	344473.6	320431.1	464735.9	430569.4	297889	TRUE
1799213	1682232	1773464	1228142	1274262	1927891	1829354	1436814	TRUE
51290	34895.3	39710.7	21541.6	30396.2	49730.5	52906.8	33190.5	TRUE
63772.8	71969.9	87702.9	74813.5	74972.2	69545	68954.2	60856.6	TRUE
83826.4	93360.6	103889.9	123455.8	110892.1	108495.6	99609	104568.3	TRUE
182021.5	168777.1	137588.8	151379.1	145145.3	220133.3	236803.5	234763.2	TRUE
98599.6	95124.3	72957.9	54029.7	69655	111035.7	124335.6	111776	TRUE
92012.8	133678.8	85583.3	83359.4	77581.3	78759.3	104697	70422.9	TRUE
62457.3	59785.3	64033.2	69324	56076.7	69762.7	60801	70197.8	TRUE
99220.8	90214.1	84920.3	52574.7	62435.5	70149.9	78881.7	61945.3	TRUE
61433.6	59968.2	44397.9	45718.9	52030.4	44086.1	57276.8	54014.6	TRUE
136654.9	145964.7	149624.9	132037.8	150873.6	138274.2	137413.9	143379.4	TRUE
182593.7	172408.1	129933.5	156235.7	158876.7	134883.5	159567.7	128357.8	TRUE
49380.3	43208.3	42498.3	46602.9	54365.4	39140.6	49501.5	47054.1	TRUE
111258.7	127591.9	138290.4	135121.8	107700.4	73251.8	139037.4	90225.6	TRUE
63814	52571.1	71383.9	62018.4	106222.5	82113.4	80284.6	103618.3	TRUE
56195.5	74399.9	45223.6	58135.9	64207.1	38919.5	70966.4	50612.9	TRUE
133713.2	106984.6	143027.1	168106.3	152760.3	155188.1	149894.7	163369.1	TRUE
28020	70359.2	36959.6	61341.6	59977.6	14038.5	12617.3	9409	TRUE
186808	132146.9	118143.4	146187.3	151203.4	129175.4	148141.5	161640.5	TRUE
86484.1	77889	88412.5	84701.8	96197	93897.1	75895.1	93031	TRUE
209764.3	218027.5	216463.1	246926.8	219686.3	244150.2	245011.8	226498.3	TRUE
223455	210943.5	234283.6	265444.2	297030	288087.1	258067.8	263985.7	TRUE
81907.8	75501.8	87841.4	114663.2	87892.4	84575.7	85016	109431	TRUE
61672.4	51617.9	47384.4	59841.4	48413.8	53307.6	59223.6	45887.3	TRUE
176825.5	183286.5	132305.8	155663.7	188280.7	155668.2	174413.9	195510.5	TRUE

66723	65374.7	39793	57663.3	67902.5	47115.7	62558.5	69168.1	TRUE
77981.8	79056.2	74016.3	67547.8	83787.7	76612.3	80459.1	99267.6	TRUE
146990.5	122894.1	141017.8	206586	220060.1	202976.3	205448	207720.1	TRUE
88764.1	116327.6	79500.5	146726.6	99346.8	62014.7	58289.7	73495	TRUE
60361.4	137158.1	108126	85201	123065.8	49776.8	57084	55695.6	TRUE
83754.5	101675	164984.7	83027	81938	78150.2	56809.7	63515.5	TRUE
443534.2	368399.7	358510.1	379556.7	326278	431346.9	522800.2	499337.2	TRUE
44017.4	41960.6	44613.6	24887.5	29859.4	70586.2	43445.2	62251	TRUE
69643.8	70934.8	67294.8	78055.2	69002.3	67757.9	79056.7	77247.3	TRUE
732965.7	690848.2	987417.8	1013318	931357.3	917173.9	896435.7	884905.4	TRUE
352371	321575.4	359502	350703.9	329712.4	374017.3	355942.7	342545.1	TRUE
624069.8	552835.1	572855.7	586192.9	504955.5	560823	534416.1	485518	TRUE
703775	596696.4	658506.5	724203.4	571460.4	635201.8	587908.9	561344.9	TRUE
198011.7	162385.2	190471.8	218551.5	184608.1	192132.5	206928.7	166682.8	TRUE
269772.4	292732.6	312087.2	364162.4	356676.9	349487.8	370366.9	358637.5	TRUE
45536.6	66234.8	64137.4	53404.9	52460.8	48856.9	64535.1	44667.4	TRUE
70470.7	140456.7	110687.2	153538.9	139398.3	42737.1	55579.7	56241	TRUE
37790.5	30893.5	26697.4	25440.6	30525.4	18230.1	11364.2	36362.5	TRUE
33631.8	91318.8	63168.2	59396.1	73002.1	7535.7	28800.7	12339.8	TRUE
141982.2	215919.5	199539	200258.6	174456.4	101699.3	132600.9	109415.4	TRUE
121079.3	106820.4	80341.5	89083	119479.2	108768.9	130126.2	120684.2	TRUE
40473.7	29383.8	50164.5	49069.3	47920.4	45788.6	50214.2	43982.1	TRUE
41522.4	31223.2	47703	47898.5	52767.3	39166	60255.3	29425.7	TRUE
28013	14092.3	23564.2	41565.4	23757.2	20070	35706.4	27888.7	TRUE
41255.8	60645.4	43872.4	70131.5	70608.7	37026.9	13091.1	23823.5	TRUE
29335.6	22607	16267.2	29166.9	27948	27914.8	34260.1	29670.4	TRUE
571991.7	466540.5	552950.8	525463.9	511649.6	606681.4	533357.9	610118	TRUE
122175.7	147199.1	137442.8	132866.1	115169.8	134028.5	132297.3	126463.8	TRUE
1326040	1316418	1086304	1183215	1279177	1162840	1357155	1348474	TRUE
24255.4	22235.9	27197.7	30769.4	44377.7	32172.5	41424.2	46983	TRUE
185925.3	211380.2	188383.4	190547.1	175548.1	207038.8	208945.3	220591.4	TRUE
28289.5	18941.7	12990.7	15267.4	9016.4	14912.3	20247.4	28434.4	TRUE
48719.3	62378.1	51392.4	42646.6	45160.3	36280.7	45653.9	48233	TRUE
47133.3	53906.1	69736.8	56753	55908.8	58752.6	67130.5	56691.4	TRUE
77615.4	91421	56141.9	79766.4	96829.7	51817.9	85076.7	86160.8	TRUE
71866.4	58339	61581.7	86306.8	52418.4	74499	60509.1	57425.6	TRUE

62012.9	42241.2	58296.5	62086.7	82143.7	76881.5	74121.9	79095.1	TRUE
69784.6	60677.3	41863.5	80134.4	73933.6	77460.2	69292.7	116082.4	TRUE
38703.3	38947.4	20628.4	30756	28830.2	37511.5	36819.2	47694.5	TRUE
47398	39508.9	31269.9	34805.7	25789.5	30817.4	31315.1	32213.7	TRUE
106589.9	82622.7	70782.3	88952.8	120683.1	87706.8	96425.3	102568.8	TRUE
73165.9	41290.5	58610.9	59849.9	58625.1	79208	68262.3	79586.1	TRUE
144714.5	90813	122419.4	124506.9	111087.9	137145.5	113841.1	132604.2	TRUE
189732.1	144909.4	125107.5	134154	184679.9	169420.6	207484.2	186199.5	TRUE
446163.5	328422.9	255445	297387.8	432891.5	297051.4	357028.7	344279	TRUE
890741.8	956309.4	874282.3	924098.2	742947.2	971460.7	1048147	918091.6	TRUE
278406.3	252768.8	257496.4	271932.6	284729	237671.1	242263.4	248446.7	TRUE
467085.9	496352.3	427991.3	500982.2	501579.7	452111.1	466735	501083.2	TRUE
76630.3	66305.1	80362.1	80036.8	82429.3	77967.2	62797.8	86545.7	TRUE
124178.5	169745.2	108639.1	183983.9	190046.7	97831.9	85352.7	96080	TRUE
354195.6	315628.9	389366.5	368080.6	338556.3	321787.1	341443.7	305024	TRUE
2452205	2280115	2066853	2118867	2209408	2348414	2501642	2450199	TRUE
46325	41374.6	46651.5	55618.9	63533.7	50547	56669.8	55535.6	TRUE
158166.3	162556.5	109968.7	123965.1	128195.5	186037.7	147957.3	171469.5	TRUE
45915.1	46932.7	24725.5	48791	37980.4	29810	65219.5	39832.8	TRUE
23762.9	10440.2	23868.4	14417.2	17136.3	13565.5	11206.5	28219.2	TRUE
39465.8	37591.3	31244.3	38802.5	40173.5	36354	42458.1	36446.9	TRUE
89401	73852	54371.8	101457.3	89618.6	77583	80590.2	109739.2	TRUE
366663.1	294953.1	203160.4	326933	333906.4	391261.9	388669.3	527005.7	TRUE
21627.1	9401.8	16391.9	10195.6	22516.5	21878.4	19826.4	11630.1	TRUE
196415.1	178522.5	157297.7	191520.1	163529	183558.3	204554.5	208596.2	TRUE
109838.1	84217.7	71990.8	113996.8	99127.1	99778.1	120932.2	122611	TRUE
237861.6	231484.5	215315.2	253919.8	221333.4	312440.9	318105	283614.6	TRUE
61240.7	62932.5	48529.7	54561.4	67763.8	85169.3	81856.3	69388.9	TRUE
332796.9	318398.6	415142.6	400469.2	428862.5	402572.9	408900.2	438087.1	TRUE
211109.3	182564.9	198450.4	203365.6	158443.4	219736.8	223714.9	241075.6	TRUE
118752.4	105592.2	104974.3	119635.7	144304.1	104614.6	102684.9	124656.9	TRUE
238346.7	212954.4	290446.3	240784.2	253232.5	272846.5	237278.4	232749.1	TRUE
168204.4	151172.4	124619.9	170405.2	165394.3	156111.6	168270.1	169938.3	TRUE
153951.1	149366.2	129984.2	148464.7	160702.8	139123.6	149684.8	189912.3	TRUE
73837.7	86182.4	55389.8	84364.3	91228	70638	68727.1	94795.2	TRUE
299823	276069.9	315250.1	314673	304659	274110.6	289960.9	336506.1	TRUE
132532.2	116255.8	161983.4	222053.7	209166	203498.3	170455.6	213744.2	TRUE
132081	118711.3	150079.6	172885.3	193196.5	166635.1	154720	217856.4	TRUE
53219.2	53843.7	67333.1	63517.9	74837.5	59728.9	59488	71245.1	TRUE
27407.7	61360.7	53208	53822	62362.7	27745.5	27544.2	31254	TRUE
36625.4	35056	26964	25637	30000.7	33614.4	39001.3	35094.8	TRUE
247113.1	222534.7	286583.3	313649	311798.8	461082.1	300006.5	526798.1	TRUE
38444.5	35701.1	41046.5	16539.4	44908.8	38894.1	41270.5	41926	TRUE

26575.7	7122.3	7315.7	33160	9126.1	5201.1	9353.6	12991.2	TRUE
2620048	2374735	2032129	2369695	2224843	2429537	2475132	2405783	TRUE
201517.7	183206.5	172036.2	184496.3	179394.9	228325	205661.1	213492.9	TRUE
114260.9	335578.6	175717.3	332923.5	361179	52492.3	56067.5	69793.6	TRUE
13140655	11499461	10998626	12285273	11584240	12405951	12277331	13110401	TRUE
454140.2	420318.1	423231.4	431469.7	438056.7	453495.2	464114.9	459575.4	TRUE
1332474	1138228	1209768	1281427	1177461	1306357	1159336	1283335	TRUE
134458.7	104318.9	103900.6	161169.9	145048.5	178751.8	185726.4	243439.2	TRUE
31547	29522.5	20275.3	50434.8	28414.6	28574.4	38903.6	51101.3	TRUE
170918.9	134726.8	109555.9	142332.5	165154.1	171923.9	171358.9	235515.1	TRUE
53554.1	37585.9	49171.2	47594.7	43076.3	69438.8	53962.6	89636.7	TRUE
111755.1	90382.2	85394.6	88797.1	95153.9	131471.6	152139.8	142600.9	TRUE
16424.1	20018.2	6236.7	26515.3	13915.1	22727.3	23174.4	25870.5	TRUE
39616.5	34906.7	14969.8	39855.7	35890.7	34809.6	60388.1	48910	TRUE
166890.6	114116.5	95238	149594	136843	151451.8	142747.6	162339	TRUE
33236.8	34817.5	31905	14744.3	42843.1	32687.5	15757.2	35502.1	TRUE
7952.4	12512.2	5012.5	11304.1	21144.3	6950.5	13815.5	8167	TRUE
41692.4	48414.7	35594.2	50651.8	58601.6	38059.4	56209.5	63921.6	TRUE
34813	53289.2	56328.6	92810.7	90333.5	63847.7	41475.4	80385	TRUE
372693.4	408817.4	256413.9	292162.1	293754.8	313123.7	330130	280904.5	TRUE
101809	94262.8	111003.5	74147	100722.7	106103.7	100884.2	102161.5	TRUE
29532.7	36741.2	28082.2	34663.2	41156.1	30875.9	33875.5	48172	TRUE
47101.5	48940.8	50945.6	57538.4	66978.3	45580.9	59155.1	66571.3	TRUE
42778.7	28617.8	41300.2	45608.2	60660.8	42460.4	43193	47017.3	TRUE
88394.8	82024.3	96354	95841.8	141302.8	114449.3	109348.6	149885.2	TRUE
1573482	1293949	1472028	1719683	1638502	1500371	1264188	1471360	TRUE
140281.3	97579.1	105014.9	135614.7	113032.2	113609.5	121437.2	126781.4	TRUE
3916781	3475990	3279103	3196999	3899069	3448379	3230327	3513201	TRUE
456551.1	478151.5	472418	552514.7	544003.8	664344	581801.3	547968.2	TRUE

853937.9	818913.3	808876.9	839889.9	875985.6	1036148	932374.3	962093.7	TRUE
51005.7	52321.7	43864.7	44568.2	39714.7	53905.4	53318.7	34886.5	TRUE
531503.1	423936	450187.6	460094.5	611631.2	652922.1	432261.5	654802	TRUE
65399	57186.3	64704.5	77977.6	74367.3	50165.6	74158	73194.5	TRUE
233613.6	105344.9	271291.8	221260.4	185673	304693.8	146962.2	160935.8	TRUE
211989	166073.9	223653.3	214567.3	185605.8	236038.4	152062.4	194995	TRUE
332197.4	253982.9	384318.1	316972.4	300855.9	408525.8	307657.6	319095	TRUE
56274.5	87992.7	39183.1	45202	67649.7	62323.9	59780.5	63858	TRUE
2069378	1617477	2135698	2355941	1849862	2235272	1842518	1921386	TRUE
2291734	1902540	1827204	1820606	2318655	2728518	1962025	2566211	TRUE
531147.7	449199.3	553577.6	537656.5	594315.4	600422.8	504390.6	631472.1	TRUE
61280	50610.7	45975.6	63909.2	43586	63585.5	59296.5	71486.9	TRUE
212872.5	153987.7	215036	252245.1	174078.5	239591.4	168793.8	170929.1	TRUE
71371.6	58092.2	80575.8	90565.8	73219.9	82355.9	63667.1	81188.7	TRUE
76733.5	74301	109814.1	111763.8	99488.4	98682.8	90173.6	93760.3	TRUE
260483.6	215960.6	314645.9	342379	285725.9	302276.4	256678	263735.9	TRUE
55858.1	73387.3	73861.6	50180.8	61445.6	58146.5	54721	54508.3	TRUE
56880.6	41765.1	57736	70508.3	46691.6	39809.4	39056.8	32018.4	TRUE
36162.6	41171.2	55279.4	53830.5	53057.2	43338.7	59301.2	33456.6	TRUE
396739.6	364886.9	349453.2	364058	465234.3	512647.3	396396.7	502041	TRUE
995455.7	897385.9	776801.2	775290.1	1174155	1113983	1000322	1074859	TRUE
54577.1	57562.5	24546.7	50055.6	50476.3	60898.6	48270.6	48758	TRUE
85618.6	140356.7	173735.1	121926.2	134532.4	72300	114482	85533.9	TRUE
44740.8	68778.1	59416.5	63112.7	98527.3	41312.9	43181.3	42423	TRUE
77003.8	126395.3	101643.7	102996.6	144886.7	71859.5	74464.4	74639.7	TRUE
896263.2	702776.6	816157.6	880311.3	696015.6	881708	719643.5	798131.9	TRUE
582510.7	635341.5	1069804	568619.3	643525.5	615018.3	492152.9	619006.9	TRUE
102292.9	82522.6	124336.1	98674.5	121778.2	127189.2	80190.8	117568.8	TRUE
854191	711681.1	446939.4	761145.3	946847.8	712297.1	1061374	1371135	TRUE
116861.7	112687.1	87207.8	109277.3	91854.5	139230.3	142514.1	129761.1	TRUE
217630	211691.8	207466.9	235717.3	191929.5	210187.6	239883.8	257373	TRUE
142486	130484.5	135903.3	162361.4	139401.5	128865	171431.7	153891.5	TRUE
45326.3	40287.5	46525.1	39027	39593.2	41456	52910	40446.9	TRUE
19062.6	21779.2	20777.2	20748.1	28892.4	6556.4	11261.5	9967.2	TRUE
50114.6	117587.7	69875.9	118650.5	146428.8	34737	23212.6	133330.9	TRUE
24090.3	29853.7	11473.4	7942.8	16356.2	27196.2	24439.5	29857	TRUE
133560	107765.4	176278.2	127040.8	118108.9	166407.9	129766	144427.9	TRUE
56775.8	56164	84233.2	73892.4	67087.8	78257.8	66800.8	88925.9	TRUE
21233.8	55934.8	25439.4	53726.4	45813.8	5098.1	11030.6	45529	TRUE
126509.8	75114.4	122619.9	68861.6	77607.7	157603.7	92967.5	105372.4	TRUE
110562.3	61089.5	82521	57361.3	64785.1	145103.8	76685.3	86022.6	TRUE
702415.7	440748.9	401551.6	489297.4	742826.2	290421.2	535113.7	430470.7	TRUE

305632.5	304611.1	291798.6	339458.6	201271.5	514769.3	372012.2	549335.9	TRUE
119821.4	169206.7	145470.8	159675.1	117740.9	113460.6	174252.8	126515.6	TRUE
2507642	2934437	2406930	2849518	1737337	2463022	3650009	2761038	TRUE
58686.3	53602.2	40022	72224.3	54856.5	42015.5	59446	67604.3	TRUE
547387	495172.5	432610	502645.7	493045.9	462168.7	490729.2	563478.5	TRUE
86946.5	127239.4	117628	139753.3	117122.2	69990	68120.3	74227.5	TRUE
52659.2	29707	44462.8	50638.9	48566.1	49073.1	49447.8	60908.7	TRUE
160232.5	115071	142031.5	114594.5	106660.8	274071.6	163883.7	182826.8	TRUE
9639.7	27969.6	33470.6	16585.7	7620.7	43648.3	41226.3	17848.5	TRUE
18634.2	22355	4639.8	13481.5	27725.6	18375.2	13435.6	24166.2	TRUE
20761805	14347319	21987839	21746841	22075302	21257302	15419051	21675326	TRUE
145308.2	164246.9	128175.4	167140	155403.6	142424.7	167760.1	164373.3	TRUE
93894.7	80032.2	98721.7	85906.6	75625.1	104193.1	100721.2	74263.6	TRUE
36419.1	39777.2	38028.9	43417.1	44423.4	45322.3	30430.4	38157.8	TRUE
59524.4	43157.4	41520.5	53740.4	43135.1	68951.8	51315.2	50668.7	TRUE
44841.8	44999.2	33861.1	40450.7	56537.7	30677.3	28418.9	34059.4	TRUE
391174.8	422814	395369.3	381948.9	326659.6	415314.6	378968	313965.6	TRUE
165159.1	156226.5	235460.9	221770.1	164375.7	226595.7	175150.7	137854	TRUE
327333.7	264630.4	376120.3	321915.7	271687.6	390811.2	298351.8	315244.1	TRUE
340628.4	254806.7	366168.6	395517	351373.1	359374	296705.7	351663.7	TRUE
599951.3	588677.2	430053.7	482776.5	478349.4	452881.1	507253.7	491654.5	TRUE
341603.7	330291.6	369707	395680.1	338526.3	393592.6	342783.4	308590.7	TRUE
161799	177906	169855.2	170021.5	157890.9	162968.5	192707.4	155955.7	TRUE
46037.6	59193.6	29632.5	35151.6	51777.5	35401.4	60029.4	43529.3	TRUE
61669.2	69633.5	169233.9	53528.9	74936.9	66127	89818.8	61637.5	TRUE
2731088	2256391	2441366	2519721	2627554	2536931	2090035	2519132	TRUE
2249326	1829517	1873429	2001110	2114790	2091493	1687916	2158209	TRUE
112124.4	99335.3	132868.2	144262.9	115733.2	146920.1	121666.3	126890.9	TRUE
395030.8	313655.1	451222.5	510343.5	476019.9	481886.7	400437.1	412660.3	TRUE
119701.6	146544.9	106968.4	137954.9	124450.8	105256.2	123395.1	146800	TRUE
107558.5	135617	109463.3	139258.3	131698.6	114298.6	127088.2	122052.9	TRUE
995377	915454.4	842056.6	1169700	1117457	877640.1	1022577	1140842	TRUE
82147.1	75084.4	56714.4	70602.5	90656.2	55155.8	66560.8	71798.6	TRUE
105322.4	95566	99217.3	120788	108211	104976.7	118926.9	147264.2	TRUE
119139.9	110129.6	118160.2	176543.5	152103.7	115641.1	133461.1	133396.1	TRUE
99434.6	74101.6	60355.7	106954.9	90877.4	90651.1	89691.3	102267.7	TRUE
50026.2	41647	50388.2	61668	42364.8	44089	44034.4	44910.3	TRUE
37586.1	28873.8	39086.1	31312.6	31642.5	29859.1	35957.6	30961.5	TRUE
41570.3	104744.6	135080.7	94738.7	101375.3	20782.7	8884.1	34812.9	TRUE
200037.2	200199.3	201039.3	211003.2	178292.8	263654.9	234583	218240.7	TRUE
361628.4	304263	375500.3	348958.3	333922.4	397157	357758.7	391650.9	TRUE

40432.7	126497.9	81957.2	140295.6	133148.3	32328.1	10711.4	29173.6	TRUE
1269121	1139062	1433747	1714567	1077401	1400670	1377211	1042457	TRUE
469309.5	383324.9	461468.2	432990.7	508507.4	509680.1	382866.6	490095.6	TRUE
103017.5	45379.1	53235.8	55373	145084.9	83341.9	63169.6	97508.5	TRUE
391664.9	375167.2	419301.5	474467.1	344140.2	424032.3	403035.2	361339	TRUE
263753.4	248266.4	270061.4	332015.8	232950.7	281245.6	265449	249497.2	TRUE
432646.2	385883	397194.6	508429.9	426577.6	427811.7	443322.6	417017.2	TRUE
2229041	1671079	2124213	2133229	2345491	2684498	1892346	2628239	TRUE
1324811	1093571	1304968	1297888	1335368	1439254	1220200	1479375	TRUE
237371.9	206772	168438.1	185172.5	171916.7	183988.8	179860.8	164362.5	TRUE
484407.2	518371.9	582385.9	753786.7	575787.8	616776.8	638123.7	589270.7	TRUE
103845.2	79368.8	109513.7	125429.1	66515.4	161471.3	110595	203400.1	TRUE
53162.2	73421.2	56370.9	41561.3	28588.5	45873.8	45234	31218.7	TRUE
86099.4	80081.4	99470.1	149324.6	79227.6	114960.6	78787.3	67227.4	TRUE
360754.8	281552.7	351753.7	417321.2	286105.5	382706.1	265659.4	270182.4	TRUE
107496.5	96016.6	141450.2	126606.4	168059.4	161147.1	111948.5	145031	TRUE
1219932	902061.3	818779.1	1088522	939197.9	874319.4	979517.1	1068972	TRUE
36688.9	13413.8	28894.1	6699.2	36766.3	31869.6	38870.4	34599.9	TRUE
22050.2	24327.3	15357.1	21979.8	22105.8	29275	27034.1	24505.1	TRUE
30051.1	34649.8	25191.5	39990.6	37632.1	43490.7	33925	40809.3	TRUE
17364.5	12085.7	17077.6	16455.3	20095.6	29345.4	22449.3	8714.8	TRUE
207440.1	158694.9	137583.6	283193.3	233740.7	175245	201808.2	252289	TRUE
157110.9	148543.5	129772.5	183238.9	146780.5	159235.1	165514.8	145876.7	TRUE
290179.5	250924.3	243953.4	305904.1	311401.5	265005.5	256241.4	322657.1	TRUE
124899.4	96143.8	89329.7	107978.4	119612.1	101905.9	90458.6	118063.1	TRUE
244567	171187.7	298440.8	327746	339281.5	289548	231437.9	301146.5	TRUE
181876.1	181753.5	243619.9	237172.5	236941.4	281638.7	236341.6	223708.4	TRUE
138359.4	154384.4	164066.4	152719.7	118843	155606.6	154145.7	137534.4	TRUE
65977.9	47518.8	58041.7	58337.6	65828.8	54231.2	42791.9	55670.8	TRUE
74905.4	54572.5	72678.8	104547.6	82518	61904.7	65500.1	66603.8	TRUE
58551.5	70328.1	69251.9	69142.1	67421	87591.2	86407.7	63749	TRUE
199809.4	208931.3	172222.3	162955.2	188318.1	221837.9	188055	195380.2	TRUE
827039.6	631380.6	516019	604829.9	637060.6	799114.4	623301.8	813838.8	TRUE
567104.3	348108.7	452917.1	437877.3	783796.9	545420.1	437002.4	602307.7	TRUE
969195.4	584712.3	676312.8	757381.2	1406417	1107106	711887.3	1030619	TRUE
1277838	1471380	1169150	1273083	887932.4	1555305	1577905	1496277	TRUE
12934.3	5714	8132.7	17854.4	27769.2	17124.7	9544.2	19802.1	TRUE
19814.3	17973.2	19933.4	22049.4	18030.2	23979.6	26592.1	26504.7	TRUE
106806.5	120643	97121.2	89150.4	119584.8	95428.9	121958.9	132649	TRUE
734643.6	601378.6	846043.3	910952.6	939965.3	856967.2	757098.4	923687	TRUE
2474352	2485145	2029934	2153096	2631305	2518637	2632734	2616449	TRUE
37327.1	45780.3	36580.9	45494	41248.2	39066.3	61354.1	35182.7	TRUE
29554.4	26210.5	34445.6	38293.2	38134.8	47911.2	23015.5	42599.2	TRUE
27045.7	6717.2	11741.2	10309.1	24327	21103.9	13225.1	8967.1	TRUE

136443.2	164666.8	110301.3	134387.3	129224	142165.2	157879.2	126106.2	TRUE
39490.6	12884.2	34083.1	45362.7	24166.2	25945.8	50813.9	27870.9	TRUE
161199.5	172420.4	142849.1	153410	152037.4	133013.1	202860.2	143817.2	TRUE
3326380	3724247	2595502	3211540	2726073	2740598	4200967	2730356	TRUE
255810.6	190676.6	268363.2	188683.3	149475.3	303176.5	224682.9	200210.1	TRUE
157036.7	162362.2	204516.5	157433	141540.4	261777.6	159398.4	146032.1	TRUE
117290.9	147532.1	141991.3	163959.1	169109.8	145058.1	145148	146084.5	TRUE
28681.4	5115.8	23580.3	21027.5	23058.3	9973.6	7099.9	8200.1	TRUE
182679.1	141423.5	176526.9	122143.5	95691.8	196127.9	155480.7	85196.9	TRUE
45897	37837.5	55349	34723.7	19963.1	44225.2	37559.1	27000	TRUE
21338.4	6747.4	23821.3	7544.4	19832.3	12502.4	11778.4	12958.2	TRUE
150224	159957.8	91574.7	87182.5	112487.3	100532.7	132517.3	113764.3	TRUE
257123.4	283640.4	246489.3	293603	315933.3	219611.2	366528.9	276431.6	TRUE
635513.1	589821.7	717107	784110.9	604615.6	657957.8	610023	657294.8	TRUE
90989	105752.8	103233	107217.2	101889.5	82072.5	70713.9	85352	TRUE
44018.6	48268.2	35338.3	32165	32065.5	32940.1	37160.3	36383.6	TRUE
78027.5	80612.4	70906.2	72100.3	76253.4	86236.5	70262.6	93325.5	TRUE
88726.2	154375.1	104993.3	122256.4	121905.8	52414.6	95799.5	98405.2	TRUE
109047.1	120266.2	103644.8	158188.4	107371.4	139496.3	131232.4	131635.5	TRUE
49999.5	46720.3	56740.4	92617	56600.2	68311.5	70997.4	80435	TRUE
42896.8	30359.9	35756.1	34347.1	56116.4	28783	43560	44527.6	TRUE
811888.3	828470.8	650911.4	772277.5	790270.1	660750.6	847224.6	764259.6	TRUE
19632.9	28529.5	24082	20896.9	39395.5	22454	7158.1	9199.7	TRUE
122826.2	134676	122029.3	114259.5	176492.4	117481.9	137093.7	189186.6	TRUE
182384.6	148526.8	146128	170855.9	178811.1	125157.3	160297.4	213133.4	TRUE
3057405	3170047	3336166	3347466	2455231	2967020	3374758	3186570	TRUE
165826.3	129792	93472.4	146237.8	144684.9	129667.3	149043.6	160728.5	TRUE
699717.2	615511.6	604076.8	716675.5	524512.2	640506.9	741295.7	766245.1	TRUE
236294.2	224499.3	205337.7	270982.4	213007	270261.5	258111.1	246019.1	TRUE
1157704	1028647	967208.9	1199147	831700	1221465	1247738	1207963	TRUE
81042.1	72252.4	82131.8	96761.8	76536.5	76069	99081.8	89286.2	TRUE
441004.2	498334.8	373126.1	433077.8	496834.9	384978.9	445605.3	456356.3	TRUE
136133.9	122206.5	111797.4	108240.6	108345.7	99031.4	112252.4	125042.8	TRUE
472516.8	521083.8	479626.2	549305	463674	474371.8	491986	501468.1	TRUE
15497.7	20923.6	17016.8	7305.6	27266	12503.5	23291.7	8188.5	TRUE
264284	153344.7	293964.4	333987.5	194039.7	164765.2	176270.1	174676.4	TRUE
79037	97545.2	61826.4	85641.6	76932.3	58807.5	100783.7	81210.5	TRUE
73665.2	135405.2	29297.3	107428.5	77223.3	34889.2	146664.8	93173.8	TRUE

28105.5	9344.7	19084.3	11337.8	24139.8	12742.2	27390.8	26594.6	TRUE
70607.8	64397.8	135587	140375.2	47691.5	63135	76985.9	76860.9	TRUE
171349.9	193842.2	147374.2	159323.1	163837.3	170499.7	186762.8	164370.7	TRUE
96933.9	120367.7	83073	99879.2	90889.5	88798.5	141769.5	98035.6	TRUE
110597.4	107873.4	138696.5	145315	109059.1	88433	89550.8	94953.9	TRUE
328524.5	293696.7	385146.5	403586.8	246323	285791.6	301802.2	277556.5	TRUE
179602.5	108639.6	179175.1	208607.2	142428	167670.8	158306.4	171974.6	TRUE
163592.9	218215.6	127601.2	183485.4	141084.5	124705.1	220055.7	144483.4	TRUE
153433.7	137501.6	175280.4	180725.8	161865.1	144871.1	138744.5	150017.7	TRUE
182724.7	223110.3	90214	108240.3	122917.6	79680.2	219314.6	123240	TRUE
120183	122894.6	78715.2	80350.6	106473.1	79268.3	119002.3	100465.1	TRUE
187148.7	270670.8	172115.1	232655.6	196778.5	190045.2	333623.4	187651.6	TRUE
155379.9	177812.4	122264.4	158770.4	175074.6	140994.4	276458.5	154087.8	TRUE
43250.5	69759.3	78586.7	82165.6	47927.3	28230	34278.5	33748.2	TRUE
24891.2	30416.6	44709.3	25968.7	18479.5	14541.7	18571.2	26884.6	TRUE
818848	750466	582584.7	811469.3	785918	650536	897858.9	849578.3	TRUE
246438.9	274639	159633.6	192208.1	192854.2	164992.7	267474.3	201121.2	TRUE
863547.4	953100.2	624357	843349.3	798480.4	738643.4	950797.9	787338.3	TRUE
147379.9	205551.9	209432.4	230118.3	271986.1	154006.7	209830.8	177217.8	TRUE
168658	173262.7	139477.6	167022.6	153916	159670.1	238792.8	187276.5	TRUE
359607.5	279609	397737.1	462386.2	253607.8	321816.1	330776.8	338427.9	TRUE
486125.2	369153.3	578653.7	579172.5	373996.4	464090.1	401757.2	435719.5	TRUE
64372.5	71934.6	89139.3	84501.3	66905.8	86136.1	63289.6	78851.4	TRUE
105365.5	76273.4	91426.7	107492.7	92198	157284.2	98707	106236.5	TRUE
166653.2	136521.6	197148.4	152748.4	110251.4	335990.6	163619.1	140967.1	TRUE
38518.6	26658.7	58712	35726.5	21113.2	67766.4	36917.4	28873.3	TRUE
350005	248356.5	418058.9	283050.3	281920.2	412150.9	262626.5	268223.9	TRUE
331683.8	255658.9	424114	283006.6	259192.6	431728.7	207275.5	244482.4	TRUE
190163.6	145415.2	328753.3	199243.2	180070.5	348002.8	188766.8	166643.7	TRUE
218534.9	166218.7	414800.6	255977.3	200391.2	406707.2	206203.5	215058.5	TRUE
27756.1	41527.7	51758.7	33168.9	39209.4	19491.2	11374.6	10126.7	TRUE
23180.4	15459.8	27234.6	25676.8	24787.9	17990.7	25111.6	6192	TRUE
340450.2	241911.4	328635.4	242531.5	564360.7	314304.8	244381.3	345436.3	TRUE
844674.9	606690.3	680407.7	556481.7	1442035	818636.8	661369.5	770735.8	TRUE
318293.1	240976.4	319540.4	297432.1	507428.1	301810.6	245969.5	326473.5	TRUE
82129.3	73230.4	86241.9	89357.1	101560.5	77275.3	70453.6	76202	TRUE
147911.9	144506.7	229264.7	121967.7	140390.7	261958.9	144911.7	92116.9	TRUE
420528.6	251270.8	301915.8	355096.3	720050	441001.2	308689.4	387188.2	TRUE
116363.4	85890.4	99312.7	85999.1	161656	94053.9	84202.4	87675.7	TRUE
1014587	856139.4	929552.9	1070265	955004.1	949332.9	921756.1	1033495	TRUE
427214.7	335911.6	368283.6	458130.5	398145.3	454772.4	386081.7	384343.6	TRUE
129753.8	98838.7	109445.8	120575.6	120655.7	139127.1	123022	107103.6	TRUE

810291.2	797664.7	687161.3	750201.8	735077	1043521	762516.4	813877.6	TRUE
34041.8	30166.9	29136.9	46161.2	41546.7	41695.4	34458.3	30650.9	TRUE
50050.9	42372.4	28041.2	45432.1	50650.5	37127.2	36518	53728.4	TRUE
93465.1	94671.5	56382.5	100897.7	83132.9	77343.6	109779.3	96932.6	TRUE
120297.3	97893.5	94181	157552.8	132253.8	135434	141370.2	179313.5	TRUE
21654	32941.2	26251.3	25279.8	16810.2	27215.1	42700.4	28861.1	TRUE
125494.1	112124.8	89620.7	128053.9	106924.7	188291.8	154925.5	158133.4	TRUE
95499.4	85691.7	55736.8	64044.3	79249.7	52649.2	78843.5	85032.9	TRUE
74928.2	76806	47038.7	65836.1	88865.9	64392.1	81721.8	83687	TRUE
168684.7	159091.6	153722.4	135897	132700.2	135698.3	168262.3	143315.7	TRUE
142215.4	135327.4	127001.9	152985.8	157351.2	127490.3	229865.9	153828.5	TRUE
86355.4	83481.6	77479.6	93158.4	104837.9	91379	82340.3	114813.5	TRUE
143489.7	144311.9	112893.3	152667.8	147147.4	131180.3	129894.9	160516	TRUE
180029.5	170329	160544.8	165079.9	181804.4	164081.3	173585.9	182628.2	TRUE
126630.7	86940.4	94011.8	87647.1	216812.3	105651.1	108924.5	124271.9	TRUE
57341.9	104648.7	179979.5	73675.6	84213.5	85031.9	62890.4	44336.4	TRUE
88427.9	103292.8	207420.6	118061.2	175072.5	80183.7	50986.9	97770.2	TRUE
273103.2	257618.1	355039.2	293145.7	321003.4	333877	337361.7	310161.4	TRUE
386295.1	317909.5	514053.2	335597.6	206144.4	547552.7	331369.5	201743.5	TRUE
211165.6	212048.2	319448.8	231197.8	189518.2	333390.1	211810.4	193884.1	TRUE
71108	76446.6	79677.4	70743.2	55423.2	92801.9	75337.1	52186.5	TRUE
104290.3	106830.3	146800.7	86019.3	72682.9	141170.2	72738.1	59965.7	TRUE
274562.8	193380.6	218225.4	224726.4	441470.2	223992.1	167558	232334.4	TRUE
35165.6	46718.5	59890.3	36298.9	36235.4	97678.3	57225	35086.5	TRUE
103540	87191.1	96088.9	99345.5	146631.3	111001.1	115136.1	105488.8	TRUE
67299.4	94408.6	104239.4	74384.6	79216.8	101151.5	104247.7	60119.2	TRUE
48817.5	50445.5	71177.1	41432	49253	66765.6	41279.4	31418.3	TRUE
130953.6	128346.1	132799.9	94031	158563.2	117832.8	108128.8	112441.6	TRUE
285399.2	294661	344408.3	220915.3	166470.2	315695.7	264316	195622.9	TRUE
1132366	639794.5	1037932	1025662	1919354	960825.4	723069.3	1009482	TRUE
948317.7	599654.4	964093.6	904066.4	1575930	954855.3	665821	985680.1	TRUE
594901.7	588073.8	897663.7	533289.8	421111.2	933925	604843.8	457888.8	TRUE
111254.2	80989.6	147426	77377.6	81857.9	185562.7	128648.4	75988.5	TRUE
418230.2	229954.4	406118.3	371604.1	965162.9	324761.1	246677.5	342039.6	TRUE
1601960	1357106	2837617	1448713	998784.2	3131156	1436522	1042742	TRUE
790923.8	582896.9	743684.1	1246860	1826388	468000.4	440515.4	572049.9	TRUE
1624937	693079.9	1286971	1224481	3480317	1042934	841366.4	1174607	TRUE
78042.7	80846.6	104448.1	73025.6	60573.6	103663.5	74753	68567.7	TRUE

224705.8	273939.3	318116	271419.5	209216.8	292063.2	274831.2	177600.2	TRUE
142362.2	101399.9	324123.2	121061.6	61626.7	315012.7	139907.7	84983.1	TRUE
126871.3	103261.4	180324.2	105151.8	82711.4	203461.5	113990	70863.2	TRUE
616476.2	358865.2	525811.8	549991.3	1178259	508597.6	427832	525645.1	TRUE
47787.1	22782.8	62751.5	23186.7	28553.8	73473.6	32345.1	35853.6	TRUE
20544	27515.2	38964.9	9775.8	7032.2	33692.9	9318.1	25653.3	TRUE
54975.7	61662.4	174882.4	33250.8	18555.3	149591.9	48387.4	39133.5	TRUE
31082.9	19958.1	39574.1	28583.6	20860.3	41578.6	22392.4	18721	TRUE
577895.7	256578.8	522542.4	415881.9	1350751	308421.4	264708.1	425296.7	TRUE
270069.8	111145.1	235189.8	197672	675530.1	181214.6	139552.9	189113.4	TRUE
229970.8	163552.2	344207.4	237185	202680.8	412593.4	249622.7	218001.3	TRUE
210955.9	154492.4	212213.4	204818.1	506948.9	172955.8	205657.7	204497.7	TRUE
79773.8	74949.3	102227.4	94528.4	64167	138793.1	112195.1	82969.5	TRUE
49595.9	56280.7	111789.5	47651.6	42634.6	136570.7	61982.3	36038.4	TRUE
18542.6	28501.5	36755.8	21904.2	18694.5	27259	41989.9	8788.4	TRUE
82253.6	88855.5	69981.6	85068.3	96355.6	82677.2	115157	77890.7	TRUE
209954.8	274934.5	219564.7	174844.4	161489.9	232190.7	251990.3	179038.5	TRUE
296111.9	234874.8	322643.8	323402.7	293754.1	269089.3	268450.6	260578.3	TRUE
729721.1	570298.3	923444.6	830955	707125	678951.2	536861.8	685322	TRUE
110118.1	134981.5	123650.5	114034	142423.4	115376.8	140613.1	107693.7	TRUE
114699.4	140061.2	143363.2	98034.8	101794.7	151364.5	161688.4	114924.1	TRUE
365176.3	338089.5	400875.8	380983.4	361463.2	333105.2	345373.1	315148.7	TRUE
168225.4	156646.3	185440.8	155033.7	144890.1	185235.2	187575.7	148718.1	TRUE
84722.7	98982.1	90489.3	79681.3	59604.5	93814.9	111674.5	74303.8	TRUE
289700.5	346056.6	245398.8	238266.1	184586.4	267412.4	289345.7	240772.1	TRUE
202376.1	141462.1	224028.5	243778.9	207795.4	159078.8	167344.8	194449.2	TRUE
48540.8	63017.9	53022.4	52665.1	55161.4	76167.2	76642.7	53313.6	TRUE
62217.8	69653.7	78058.6	85343.5	73997.6	65465.3	66983.8	80678	TRUE
31652.4	47759.4	34738.1	32683.8	8827.1	32780.5	11880.6	11202.7	TRUE
93733.3	83704.7	105259.2	100989.2	86518.4	86468.6	77553.7	63784.6	TRUE
212403.4	158841.5	281168.4	235958.7	221245.7	192278.1	156380	188745.3	TRUE
99857.8	136379.7	75902.5	96414.6	82171.9	95673.4	113566.7	111313.4	TRUE
81241.8	74259.7	75234.7	72629.7	33912.8	79273.1	56931.5	42204.8	TRUE
105709.1	91090.2	84338.5	87892.1	90620.3	69889.5	79959.3	85293.8	TRUE
17477.5	10181.4	29231.8	25305.9	20663.9	33916.9	14712.5	26429.9	TRUE
41837.4	30107.1	40034.7	41837.7	42675.8	31579.1	39548.3	40965.2	TRUE
218679.9	255071.8	300735.2	223526.8	251137.5	284415.3	192742.9	210252.9	TRUE
556620.6	531491.7	655741.4	483307.9	490090.4	698034.2	555966.7	508467.1	TRUE
999986.6	702004.6	982342.4	1040707	1348053	832604.3	760559.1	961280.5	TRUE
19741.4	25075.9	37187.7	30743.3	23543.8	31170	21552.6	23942.5	TRUE
99074.6	77210.8	105549.7	97675.8	122615.2	99030.9	129894	108389.3	TRUE
121698.2	106638.4	105434.5	98408.8	128928.9	137863.8	120506.3	152494	TRUE
34936.8	43906.7	40447.6	22547.8	42434.8	52494.3	44345.7	35000.7	TRUE

178463.8	148996.3	183424.1	160049.1	120401.2	184231.4	132940.5	145397.6	TRUE
191283.8	177635.9	359419.2	182804.7	173286.7	362903	210065.7	176117.2	TRUE
194054.5	145073	213333.1	197180.6	308166.6	190852.8	180241.2	200050.2	TRUE
51830.8	36625.9	63872.4	40567	51411.2	49947.3	38755.6	57613.3	TRUE
107415.4	127848.3	105941.5	138154.3	120121.3	114726.7	125537.8	134653.2	TRUE
105259.4	109559	102334	88144.6	100320	92830.7	112446.3	117104.9	TRUE
144831.3	158368.1	126751.6	121711.6	131110.5	116913.2	158389	121572.8	TRUE
172942.5	189460.5	119947.2	144844.4	141252.9	145722.6	179875.6	156628.8	TRUE
136619	141324	132717.5	142062.5	129393.1	116712.4	134454.7	117605.4	TRUE
104713.6	79586.2	73675.2	61180.5	86699.7	118062.5	81729.7	109720.6	TRUE
73727.2	79674	54783.8	70419.1	70850.2	54988.9	83822.5	82606.8	TRUE
152383.9	158808.7	126582.7	164997.1	149737.4	131844.5	178606.5	137635.3	TRUE
55014.6	69050.1	44672.1	63927.9	35641.2	52173.8	63808.9	67109.5	TRUE
94487.1	75062.5	57783.7	67264.7	59424.7	63138.4	77049.7	55136.3	TRUE
71463.9	50805.4	37369.7	64034.9	41746.5	39961	46986.1	45900.1	TRUE
65757.2	77247.2	83170.2	85238.5	86253.4	80406.2	87785.8	103723.3	TRUE
634430.3	594198.9	529341.8	558366	602676.3	651403.5	602796.1	603331.4	TRUE
438812.7	473488	414150.1	394996	432624.5	422232.9	431596.2	469192.7	TRUE
175699.9	167261.5	132680	149831.3	148468.9	146873.4	166659.9	172429.1	TRUE
394522.9	369097.7	334210.6	407811.1	363745.8	373877.4	404082.3	409839.9	TRUE
363734	336963.7	387103.1	367012	360788.8	380032.7	360163.7	399697.9	TRUE
308454.7	312930.9	338050	297531.2	299884.5	295237.6	320116.8	305257.2	TRUE
59027.9	55883.4	47131.5	75902.1	64431.9	55094.3	76685.7	67362.1	TRUE
181919.7	158297.3	135817.8	180593	183293.9	140282.5	202702.2	183267.1	TRUE
25114.7	16608.3	15336.1	21052.6	23049.7	26994.6	21875	31752.6	TRUE
118791.1	111800.1	112399.7	143701.6	130991.3	102160.2	116604.2	123378.3	TRUE
112958.6	116940.1	112942.6	133613.9	128988.9	130940.7	144201.3	121023.2	TRUE
206248.8	158072	211419.6	221216.3	206371.9	214495.8	222233.4	236640.7	TRUE
435948.5	370791.5	363892.7	397460.1	419144.2	413374	432717.4	417364.3	TRUE
374959.2	332224.9	330707.3	366862.2	389941.2	346251.2	383833	357027	TRUE
160722.2	129417	156549.3	182615.7	133884	140377.5	137991.6	144921.2	TRUE
164829.9	145665.3	169896.5	161298.9	177217.5	157960.6	155618.2	184622.3	TRUE
669323.5	690874.5	569174.6	640255.6	783684.6	634867	761166.8	696748.5	TRUE
225849	191973.3	244933.3	263035.9	254324.9	230465.9	229476.3	237977.9	TRUE
53961.2	67542.5	47139.3	53374.9	74714.8	52371.1	59793.1	54215.5	TRUE
20761805	14347319	21987839	21746841	22075302	21257302	15419051	21675326	TRUE

845580.9	543961.7	821088.1	786489.5	679497.4	820230.7	556356.9	849754.2	TRUE
510268.6	513569.4	475125	448038.3	370492.3	542898.1	520520.7	437356.4	TRUE
248277.4	207683.8	255846.2	288804.4	214458.1	254491.9	234050.7	227156.8	TRUE
144205.3	171018.5	161102	187244.4	181453.6	186320.2	215569.4	149490.3	TRUE
337009.6	384511.5	451857.1	486685.7	405407.1	517545.4	532474.1	408992.7	TRUE
184915.9	195800	207081.3	189273.1	160683.8	158592.4	147476	142598.8	TRUE
239844.6	228307.6	322976.9	258382.5	259599.9	290563.9	239242.5	266455.2	TRUE
240961.3	241209.1	212968.1	312046.8	241311.1	244300.6	256298.2	315115.3	TRUE
221027.1	187455.9	257834.6	272853.1	222615.8	304243.5	188236.4	226986.4	TRUE
324658.6	212182.2	469146.5	530359.7	258982.6	275989	207547.4	315584.6	TRUE
192332.7	210533.8	181382.5	210954.7	227185.2	185687.1	209559.4	195073.7	TRUE
411134.5	445978.7	367635.3	434269.6	371512.8	422428.2	449413	378603.6	TRUE
38874.4	38869.7	43360.4	48058.8	35163.4	43531.6	39846.6	35160.1	TRUE

65244.1	98077.7	51009.2	90742.4	60503.5	56786.1	91479.5	74531.1	TRUE
138655.9	153871.8	113237.4	138578.7	116468.4	120909.6	194850.6	130667.4	TRUE
29960.7	26890	22582	26910.8	11041.6	27055.9	24272.3	12848.7	TRUE
28084.6	20450.3	6033	27342.9	7442.4	20010.1	29729.9	28379.2	TRUE
5627.7	29418.7	15070.4	5547.5	16672.4	3938.8	7935.3	6791.3	TRUE
220442.1	202749.5	302312.7	323735.8	199635.7	220936.6	237798.4	218036.6	TRUE
85106.2	60774.3	59451	83535.8	84333	98659.2	104183.3	87909.1	TRUE
102494	110955.1	162214.3	110886.2	95191.7	109188	140277.6	106878.8	TRUE
20375	22363.7	24305.9	11575.1	24988.1	15193.7	28517.2	28042	TRUE
222044.9	264264.1	196172.2	217263.8	252418.2	207022.8	239428.5	231870.4	TRUE
177893.2	213449.9	160942.3	189362.6	147734.2	192589.2	188331.9	175884.5	TRUE
225465.5	228598.9	209484.2	220421.8	230514.9	239335.6	256006.4	232834.9	TRUE
120890.2	95481.8	127116.8	142837.3	127667.6	139461.9	121255.6	154373.7	TRUE
21156.8	28279.5	25038.3	8988.5	36554.8	30941	21217.8	20132.3	TRUE
109388.1	112932.5	66041.3	102026.6	76752.5	119766.9	138471.7	115691.4	TRUE
217805.8	203823	233270.1	204439.5	205492.3	270519.9	212956.7	227443.5	TRUE
277244.5	202267	261900.1	305099.6	245556.5	352427.8	288282.1	297851	TRUE
91301.6	63021.8	80266.1	99573.5	75623.1	98525.5	90049.1	96656.2	TRUE
166409.4	198711.9	180126.3	165816.7	146739.8	198218.3	215517.2	150843.1	TRUE
464553.9	362078.8	362332.2	513669.1	526058.4	436547.2	488525.7	523798.4	TRUE
51318.2	59840.6	47418	57137.1	49459.4	28534.8	43082.7	54035.1	TRUE

250264.7	221206.3	271683.1	314594.6	268078.4	245750.2	285615.2	289459.2	TRUE
245596	200276.1	215277.6	241431.2	235470.9	233500.2	222487.2	213796.5	TRUE
196111.1	155761.2	177008.9	185170.9	185898.9	175971.1	169348.1	230399.2	TRUE
1730723	1660646	1544176	1563206	1843497	2098904	1774418	2004812	TRUE
104035.6	114958.5	107322.5	147967.8	110530	105516.9	162985.3	116690.5	TRUE
463128.9	392144.3	334168.1	409969.1	379266.6	348561.9	340007.3	391207.5	TRUE
217548.3	163232.2	234487.1	207177.2	234880	213691.3	195490.9	212380.1	TRUE
165958.9	166672.6	168308.7	138300.1	182207.2	169643.4	179788.4	154571.4	TRUE
914248.6	847610.4	805272.6	786524.3	829452.6	852025.8	908749	890679.4	TRUE
121424.7	136180.4	135888.8	148667.6	154812.5	116652.2	136449.5	143952.6	TRUE

149564.5	138808.1	151797.3	169920.8	181112.8	124478.3	144377.8	156541.3	TRUE
437290.2	369783.7	406525	489330.7	350408.2	912036.8	451302.7	778966.3	TRUE
323128.1	376318.4	284230.8	316673.9	329769.5	257484.6	372018.9	237792.3	TRUE
391846.7	304492.7	406613.8	422026.1	357991.7	409787.2	340749.4	423663.9	TRUE
1028248	826533.5	1040886	1099329	948213.2	1102688	896329	1036941	TRUE
325364.3	279991.8	360352.9	354360.6	289892	377035.3	381626.6	266804.3	TRUE
104507.4	112290.7	97499.9	94382.1	104411.4	103794.7	125769	106515.1	TRUE
158425.9	165102.8	131433.2	171648.3	170567.8	138147.7	178249.7	139029	TRUE
249024.6	214643.7	261592.5	267664.3	258131.3	229970.7	225861.2	235409.3	TRUE
110534.7	97311.5	144172	121117.8	125249.3	131861.1	130205.9	119966.9	TRUE
436074	372949.6	370386.1	403680.7	271655.4	426764.1	397034.6	410576.7	TRUE
79474.8	69264.1	90477.8	71001	64337.2	84069.5	71892.5	91878.2	TRUE
26269.5	7645	32639.9	22244	16938.9	22860.2	11700.7	17356.5	TRUE
53868.7	23964.8	43791.9	33364.9	26216.9	21351.3	34585.1	10697.5	TRUE
31105	24510.2	25506.9	20367.4	22624.1	28874.9	22449.7	33189.7	TRUE
102345.6	115636.8	93076.8	108118.5	71104.5	101270.4	101847.4	88208.3	TRUE
609332.4	479363.7	671296.2	665647.5	510807.7	595946.4	500097.9	606679.3	TRUE
661678.1	475243.5	616136.9	719561.6	482125.7	540921.7	485657.8	599743.7	TRUE
149949.8	169770.9	141912.1	149091.6	139816.3	142261.7	193262.1	140880.3	TRUE
473871.4	435276.3	469376.3	497285.9	363220.5	471348.2	485279.4	356225.1	TRUE
502954.2	462004.3	566113.9	531984.2	466032.2	444617.9	478660.9	479586.1	TRUE
1502013	1311006	1623089	1783407	1289139	1493384	1504909	1424664	TRUE
56691.7	61715.8	62398.8	45437.3	48370.1	61188.3	34762.8	41604.6	TRUE
49157.1	38146.9	58747.1	59710	66760.7	80877.9	64489.2	77995.3	TRUE
33656.7	29366.2	31524.7	8235.8	19590.3	32162.4	30380	35341.4	TRUE
40280.7	52940.8	35409.5	50532.1	74863.8	33402.9	47131.2	58719.1	TRUE
68994.6	97011.4	97123.7	89396.9	77146.3	84768.6	125620.9	68291.7	TRUE
144572.1	169949.9	140571.5	120888.2	142543.2	124741.7	195292.6	117844.1	TRUE
96354.9	69440.6	137426.5	125890.4	88216.1	75615.8	81369.3	69345.8	TRUE
157347.8	126205.6	158408.7	168490.1	133208.4	151865.8	127723.8	144474.2	TRUE
28793.6	51921.7	29622.5	49907.7	38968.5	23428.1	34247.8	36021.1	TRUE
41602.8	33402.1	27835.5	41309.6	24790.5	39465.7	34843.2	38232	TRUE
143458.5	99281	84138.6	123829.3	130607.8	132866.5	184565.2	166299.1	TRUE
88104.7	70505.9	55050.5	90980.7	74343.3	129304.3	121826.9	138797.9	TRUE
102901.3	71154.8	68812	109004.1	114816.8	121716.9	121196.2	126986.8	TRUE
287299.6	274248.4	211693.6	294652.2	283922.2	254245.9	287400.5	328598.7	TRUE
127689	83369.3	204332.2	51984.9	52209.6	214192	65138.8	85785.2	TRUE
36353.2	31469.4	39189.9	27705.9	8759.4	45931	34957.2	24539.1	TRUE
43266.5	29381.8	29701.2	41616.2	58106.2	35091.7	32888.3	45041.7	TRUE
25985.6	51777.3	66869.5	46647.6	20668.3	41254.6	48206.6	28233.1	TRUE
67187.1	48153	87243.3	58109.6	32694.2	145633.3	61976.2	50015.9	TRUE
43967.6	25757.4	53340.3	40992.8	33502.1	60299.7	36706.3	35195.6	TRUE
203142.4	182233.9	253525.3	167752.4	150072.3	264579.3	160060.5	139247	TRUE

263145.1	276740	319459.1	263646.5	201784.5	343641.7	275522.7	222362.3	TRUE
242171.5	187173.7	384858.1	218850.4	141693.5	477298.7	197016.9	142346.2	TRUE
44030.3	63360.2	68480	81692.3	56219.5	72532.5	61482	50482.4	TRUE
124299.7	110458.7	171542	134793.2	137470.1	153620.4	134558	116841.7	TRUE
95066.4	83763.4	138392.2	101842.7	70502.3	136618.2	92384	75562.5	TRUE
30278.7	10112.8	32102.9	32982.2	22951.4	41634.4	16827.8	34702.7	TRUE
47014	64250.7	47800.5	30325.4	41325.6	41532.9	48357.6	36497.1	TRUE
50766.5	64281	51963	36990.8	43502.1	53674.2	40193	34865.5	TRUE
71171.1	37367.9	36318.9	28986.6	49743.2	34887.6	34326.9	41306.5	TRUE
263676.6	184105.9	214689.1	220693.1	286306.4	228452.1	202211.5	264259.1	TRUE
29934.9	34390.3	42872.5	30603.1	31004	53778.6	42686.4	32760	TRUE
379833.9	360061.8	395033.2	382225.6	289506.9	385466.3	344638.1	316372.1	TRUE
8266.5	3857.9	9959.9	7012.9	18155.9	11201.2	5448.7	19335.9	TRUE
365380.1	360322.9	379655.3	379718.5	315251.4	409781.2	337841.6	322778.9	TRUE
102017.1	94782.2	61115.3	71527.4	98246.1	103433.9	112497.1	111259.4	TRUE
38117.3	23124.2	47983.4	40869.3	35461.1	48284.1	39836.9	32422.2	TRUE
369263.2	334974.5	423354.6	314777	276822.4	441600.6	397619.2	345222.5	TRUE
177506.7	156156.2	187265.8	187437.6	137266.3	191526.9	186498.1	142211	TRUE
55250.5	35531	38397.9	58744.7	23221.5	54854.3	58745.4	41065.2	TRUE
242603.4	193960	204072.1	253758.2	181690.3	210732.8	208133.3	191090.8	TRUE
762430.1	795615.5	635205	776527.8	649254.7	706225.5	881510.7	654311.8	TRUE
76804.9	74057.5	79004.1	97432.5	72001.3	95182.5	91090.1	89169	TRUE
90903.3	75852.1	83518.3	79580.2	94049.8	92067	104190.9	93613.9	TRUE
599176.9	514721.5	749040.9	820411	603479.4	732937.3	589591.9	716772.3	TRUE
13344.5	21547.6	10891.3	29211	18098.1	33860.7	16569.5	25065.1	TRUE
97445.8	85363.8	122936.9	114307.3	99952.1	94101.7	101876.6	132767	TRUE
132733.5	98491.7	112143.7	115350.6	77294.5	198283.1	138562.8	120968.7	TRUE
167308.4	170990.1	154049.1	192143.7	169729.3	176401.5	169185.4	162178.8	TRUE
122659.6	112638	150515.2	118434.3	135658.6	134885.4	133449.3	123856.1	TRUE
1362004	1432253	1109493	1319876	1347987	1210853	1491459	1456505	TRUE
301320	267884.9	238375.8	267911.3	276960.7	248798	282722.6	260280.5	TRUE
572411.4	613287.9	619768.8	704251.2	520326.9	612044.2	574964.3	634152.2	TRUE

553370.8	569043.2	583982.4	676458	463925.9	591366	591244.4	542756.4	TRUE
121112.4	122277.5	75780.6	89766	107476.4	63890.4	100054.7	100957.2	TRUE
62525.5	50302.4	39498.3	48816.9	43553	41147.7	62788.4	63027.8	TRUE
103692.1	102909.9	110830.3	111380.3	104461.1	132742.9	112329.3	124556.8	TRUE
119207.1	95418.1	63829.4	143747.3	93999.8	103854.8	133626.6	121826.9	TRUE
172949.1	176946.1	208688.5	374034	292193.7	230387.8	246838.8	181503.6	TRUE
57186.5	57408.2	73822.1	84660.3	45536	70971.4	87212.7	62153.6	TRUE
61964.8	58581.5	65288.6	71300.2	56365.7	57952.5	51753.3	46928.5	TRUE
124632.8	134210.8	66822.7	75534.4	100696.1	71126	108909.9	95053.4	TRUE
23428.7	21357.5	26617.6	31687.6	9793.4	35022.7	31908.8	19799.3	TRUE
108838	64183.3	80314.3	76859.7	77049.1	69842.1	83487.2	79244.7	TRUE
172149.7	178086	222237.7	169524.3	189811.4	172275.9	159448.3	162657.2	TRUE
961345.4	909447.3	885197.4	1087489	1035765	946413.5	1025814	1018289	TRUE
823692.3	692198.7	729617.2	883693.6	868637	741843.3	764786.4	812958.5	TRUE
1162505	1151377	1050941	1042415	1142382	1195773	1248568	1236007	TRUE
40138.9	61399.2	43066.5	48056.3	25828.6	42306.5	41614	47143	TRUE
79354	81642.1	84817.8	119041.8	103295.2	88829.4	77343.6	104746	TRUE
108045.2	104712.8	131514.7	129511.9	127498.9	144190.1	134380.2	143333.1	TRUE
128711.8	101835	132055.3	115405	125712.8	106572.8	89134.7	122274	TRUE
449442.6	401977.7	436576.1	491837.5	479659.3	405568.4	451442.8	435755	TRUE
395913.5	300675.8	285519.1	245920.5	283849.9	255012.5	237780.3	266553.6	TRUE
2301469	2127621	2216999	2161028	2101331	2461156	2269963	2340252	TRUE
115962.9	128791	82278	104133.7	176774.2	94065.4	130914.3	175392	TRUE
65981.5	47915.2	34170	55813.2	69914.2	44499	77009.5	88654.1	TRUE
99708.6	80826.5	65942.4	62782.3	90660.7	58131	125385.6	112786.4	TRUE
172766.6	194309.4	145737.5	232611.9	177029.8	198565.5	223994.5	196554	TRUE
208337.6	241094.8	176053.9	199366.6	234331.5	195660.6	241373.1	241708.9	TRUE
172366.8	143910.5	160051.6	201063.7	124696.8	159396.9	219282	157398.9	TRUE
92661.8	100777.9	73732.7	98809.6	68829	93336.7	87191.1	97085.8	TRUE
1028833	1126922	1175460	1152978	765372.4	988521.5	1189818	974197.8	TRUE
466358.6	498544.7	496251.3	515505.6	343612.5	396541.3	530245.6	430738.9	TRUE
703333.4	736596.8	705844.5	782038.6	664118.2	560063.1	630362.5	567886.4	TRUE
1500913	1514367	1540677	1553891	1519306	1568668	1722754	1570642	TRUE
95499.4	94429.7	70132.2	92042.6	98411.3	58973.9	122866.9	105289.4	TRUE
395288.4	441574.7	317750.9	344375.9	459941.7	303724.1	397028.5	418065.2	TRUE
179919.8	208342.7	241993	229945.5	163689.6	180429.8	202183.1	171273	TRUE
267310.3	308876	332899.7	392754.7	247251.6	257518.5	360934.3	263646.9	TRUE
48647.9	51907.9	53107.4	40781.8	48018.6	63825.7	60344.7	46147.9	TRUE
91614.5	103971.9	95516.5	79777.9	81116.3	93316.1	94789.8	86240.3	TRUE
64162.8	57928.8	48152.6	49130.4	59659.3	60951.6	63687.5	69417.7	TRUE
150394.1	175517.4	163714.1	172651.3	154195.7	188464.7	190962	192333.3	TRUE
131306	111027.9	114132.7	117224.7	107271.2	109169.6	113639.9	117242	TRUE

22912.4	24303.8	22738.9	26588.3	19125.8	22648.3	15290.7	13560.6	TRUE
21312.4	19173.1	22674.2	25315	27997.6	12353	24064.8	19236.5	TRUE
92602.7	81451.1	86252.3	86501.6	84645.3	86469.1	93092.5	91787.2	TRUE
302547.2	347243.2	301307.2	319797.5	319311.6	287469.2	378467.6	315280	TRUE
25773.6	34045.7	21684.7	26834.1	38526.5	28691.2	26961.4	30460.2	TRUE
12072.3	7533.3	8347.5	10163.9	25775.2	8524.6	18052.9	15169.6	TRUE
76495.1	65035.7	82725.8	87696.3	83485.6	68505.2	67447.5	71826.3	TRUE
945745.6	913212.7	835883.2	908197.2	944965.4	935473.1	845125.9	898020.8	TRUE
216653.7	189818	244733.9	203956	216706	212493.6	201062.9	232143.4	TRUE
60476.9	65983.9	65472.5	63223	45355.2	77137.6	75880.8	53540.4	TRUE
60229.8	31056.4	53553	45945	74489.4	35164.4	37464.8	45500.8	TRUE
34549.8	16299	21431.3	31730.4	32898.6	21297.2	21698.2	10668.9	TRUE
58062.5	23987.5	58597.2	70461.7	98453.3	8986.6	35692.3	24075.1	TRUE
85173.3	59452.2	95085.8	84181.3	62418.5	106562.4	50198.5	134876.6	TRUE
595229.4	701597	898446.4	501052	280318.6	966454.8	764012.9	312559.6	TRUE
50596.8	57473.6	40637.9	58747.4	50041.7	56661.8	67185.3	50717	TRUE
26382.6	25028.7	31941.8	12155.1	10701.2	18551.3	37857.5	21887.7	TRUE
268891.6	270743.7	291689.9	256385.3	205515.3	324461.3	276235.7	235758	TRUE
143536.5	194574.2	152595.2	116679	137778.6	175275.8	233163.5	118165.8	TRUE
273666.8	361733	322597	197194.3	176882.2	347134.1	406739.8	182479.7	TRUE
65540.8	99389.4	110795.6	86872.4	70600.2	107548.1	88433.6	59223.6	TRUE
29613.4	39432.4	57830.6	45507.2	29964	85163.2	57558.9	29717.6	TRUE
109192.8	103536	109997.4	99513.9	82114.4	165611	143696.1	94698.7	TRUE
26291.8	35453.1	26929.8	9627.3	9892.1	47484.5	31635.3	13102.6	TRUE
58304.5	69304.3	88301.6	55614.3	35872.3	73076.9	69759	41272	TRUE
9896.8	8574.6	27978.8	8572.1	8402	27952.1	13092.7	11060.9	TRUE
314586.9	346225	355080.6	329247.6	261753.5	360524.2	364942.8	279046.1	TRUE
237405.9	225484.1	268218.9	223614.4	180943.9	309887.8	295909.1	216395.9	TRUE
86533.1	141028.3	365045	67682.4	96741.3	73824.6	85128.8	83612.1	TRUE
100011.8	83757.7	78669.7	90439.4	101432.9	54767.7	65340.5	65337.5	TRUE
14081.6	7241.2	23140.5	21530.3	16591.3	15905.4	7326.8	9273.6	TRUE
138025.1	109217.7	149824.3	158024.1	165856.2	135147.6	120220.8	149367.9	TRUE
79415.8	95604.3	86620.3	73992.7	58472.1	74348.1	87306.9	74214.9	TRUE
113343.1	113912	115676.6	106311	77397.6	130018.4	84792.2	102203.9	TRUE
61889.8	42309	41941.1	48912.6	64525.4	58609.7	48562.7	48170.8	TRUE
116990.5	88749.9	121479.5	124844.9	138464.3	97823.9	94108.8	93809.1	TRUE
149931.7	113004.3	182627.3	129466.7	133720.1	189392.7	141420	136096.8	TRUE
223554.4	256437.9	179365.7	211597	237114	207219.2	233359.2	276130.8	TRUE
126451.7	102586.6	84327.9	108932.5	133780.8	76865.6	122484.6	117003	TRUE
567331.1	579096.3	632973.5	689662.4	481294.7	592272	645198.1	600195	TRUE
200436.9	210759.9	198635.2	233801	185299.2	185256.5	258988.6	173783.4	TRUE
28006.2	34055.3	26814.4	23564.5	30482.7	34243	41872.7	32545.7	TRUE
375304.8	379572.3	514427.9	478611.8	391243.2	387563.9	446437.7	391094.6	TRUE
29419.6	45302.8	24642.2	27229.9	32666.7	27214.7	50676.3	40383.8	TRUE
13140.1	22547.8	4741.2	8801.1	4660.6	16684.7	26397.5	30344.2	TRUE

214785.5	254250.3	221430.1	169041.3	172810.9	230758.7	221082.1	174453.8	TRUE
520604.5	533753.8	414137.9	483148.9	510376.6	433597.7	563724.9	506760.9	TRUE
471908.6	488496.4	356447.6	450004.5	446423.6	388105.3	474667	443541.8	TRUE
278592.1	281024	282155.6	310602	272937.9	231904.5	307146.4	275454.8	TRUE
458519.4	476766	468986.9	506565.6	395844.8	389890.9	437957.5	409427.1	TRUE
39289.8	29218.8	46323.9	28510.2	24332.2	37231.2	32758.6	28155.6	TRUE
328928.2	268028	583655.4	236074.7	212222.4	647277.6	290405.3	193186.2	TRUE
66772.3	46342.9	72313.8	35444	33838.6	86999.6	53114.5	50302.6	TRUE
184927	184942	249022.6	159870.6	153888.9	207403.2	201828.8	148372.8	TRUE
160802.1	210058.8	193548.4	177064.9	154201.5	203546	171771.8	185434.1	TRUE
278521	254571.5	263600.1	319206.1	426328.5	256805.4	251724.9	264369.4	TRUE
441277.3	306532.5	404090.3	451543.3	815502	394551.7	298899.2	354194.6	TRUE
54374.6	55154.4	45905.5	40764.3	42304.7	39783.5	56211.8	40357.6	TRUE
160530.6	158245.3	272358.3	140794.1	129416.3	283261.2	174435.2	140900.4	TRUE
46897.9	45766.3	112845.4	57455.5	44014.6	117696.9	68364.1	35693.8	TRUE
701699.5	520514.5	824324	889074.9	636505.5	1735483	495630.7	1537673	TRUE
64847.1	38129.8	67263.9	19394.8	44351.9	101502.3	61295.3	72123.7	TRUE
203982.1	241662.7	146718.1	226958.9	244642	175389.7	228545	268589.2	TRUE
291797.2	251257.9	212415.1	295893.3	248767	211277.9	314884.5	295942.4	TRUE
301857.2	309612.1	337270.6	311737.8	238103.2	297879.1	368538.7	355402.9	TRUE
100884.6	99933.2	62155.6	101432.3	80289	107190.3	121289.9	140115.3	TRUE
124060.2	90933.1	67435.8	126741.8	109879.4	118766.5	155402.7	144666.1	TRUE
182872.2	162193.5	165044.7	144918.4	163373.5	159505.9	185164.7	155780.7	TRUE
250338.2	312271.6	225131.2	254359.5	263468.2	236900.2	301111	255165.7	TRUE
138647.7	140021.9	130731	149311	142169.2	141996.8	153669.6	141960.4	TRUE
228884.3	274608.2	179973.4	206867.3	184502.6	195749.7	245256.3	226439.8	TRUE
111314.1	107590.2	97231.9	112618.9	74987.7	91304.1	113762.1	90428.9	TRUE
20003.1	27747.4	44262.5	31992.8	33171.2	44679.9	22320.7	24818.7	TRUE
92797.4	90549.5	142885.5	65980.8	77050	135935.1	99510.8	69698	TRUE
141903.8	129666.9	221820.7	122874.3	132280.5	206590.4	134163.1	131481.4	TRUE
237307.8	235388.5	243574.5	189335	215771	266421.1	229035.6	218909.3	TRUE
42873.3	31771.8	46209.5	46588.3	67114.6	64988.8	32477.8	49450.5	TRUE
146164.9	132294.2	132621.9	133693.1	105044.7	252667.1	165956.6	145234.2	TRUE
102367.4	107586.1	133282	79813.6	75849.5	133448.5	92991.6	80009.2	TRUE
66141.1	124533.4	128994.2	102583.5	109415.9	69836.1	73649.7	55052.4	TRUE
76115.4	67810.3	85822.3	85953.7	80942.7	85739.5	79766.7	75473.6	TRUE
177274.4	146412.6	168210.7	169490.7	212807.7	187455.7	151800	196892.8	TRUE
155629.9	131826.9	136990.9	185578.7	177568.1	154212.7	175005.4	171717.2	TRUE
68288.6	61946	43780.4	61911.8	68999.1	65737.5	82719.6	82157.5	TRUE
50162.8	43695	29069.3	35576.3	37384	44719.3	60438.4	42807.6	TRUE

153191.6	141884	150498.1	168850.6	156395.1	161843.4	152242.7	164286.9	TRUE
99304.4	117790.1	91548	102308.3	109936.8	80165.8	123740.5	98864.7	TRUE
137437.8	130303.8	128176.9	139576.3	123917.3	127187.8	140536	124216.2	TRUE
101928.8	81743.7	94266.8	101190.2	84920.3	88292.9	85668.6	88194.2	TRUE
104112	122985.6	115837	85790.9	131493.9	111307.3	125917.9	115686.5	TRUE
86831.6	93821.3	82398.6	70575.6	82665.8	71433.8	87460.3	90833.3	TRUE
205398.3	218458.3	219849.8	250178	217888	258757.4	211830.3	227150.3	TRUE
277629.4	242078.1	257644.4	277514.6	264830.7	216977.9	269989.2	238729.4	TRUE
19490	7351.2	11777.5	11104.4	17966	14771.5	13296.4	12744.3	TRUE
144164.8	125061.4	152024.7	114605.2	131521.2	125754.1	151054.1	146539.6	TRUE
20471.1	8600.1	19494.3	18452.7	15019.9	14727	9336.3	18208.2	TRUE
190087.6	169594.6	161434.2	162595.1	207766.3	174427	160057.5	214715.6	TRUE
257628.6	299476.1	762866.6	341752.4	276020.6	254515.5	267429.3	259227.1	TRUE
305154.6	294114.3	285625.7	274208.2	247071.6	296138.6	305249.7	262511	TRUE
45210.7	45923.3	56414	60488.6	51974.5	48731.1	53391.5	37898.5	TRUE
35242.9	32016.7	30917	27499.6	31575.1	27085.3	19645.3	24781.9	TRUE
90158.9	71452.2	105753.2	125799.5	108581.2	113067.8	83293.5	75001	TRUE
115158.2	70931.4	152109.9	111300.6	105307.9	145047	123143.9	108302.8	TRUE
38688.8	31876.8	42681.1	29192	40244.8	57695.2	52247.6	39116.2	TRUE
11548.1	36097.8	33227.4	39586.8	25010.7	26147.5	14591.3	23184.5	TRUE
31286	26571	10039.7	13481.4	31312.3	33209.1	29021.2	15258.2	TRUE
47103.7	44655	28463.8	52719.5	55177.5	66827	50566.2	56373.6	TRUE
130917.8	80090.2	129512.6	139156.3	123174.5	119399.5	136200.1	110641	TRUE
244305.2	218614.9	224349	263054.2	184597.9	244535.5	205985.3	187333.6	TRUE
193130.4	168446.5	160717	153025.3	186799.3	199360.9	107828.4	195163.8	TRUE
48578.7	54374.5	46745.9	52374.1	40601.8	46225.6	38732.1	34300	TRUE
153977.6	71776.1	111763.9	173963.7	127643.7	191464.9	143841.3	146761.9	TRUE
116684.8	110435.7	132073.6	115441.5	80545	113645.1	104419.4	96335.6	TRUE
135919.2	153311.5	145932.1	160387.3	110447.1	173003.9	136405	133131.1	TRUE
185650.8	170120.8	173787.8	199695.2	137511	224046.8	148933.5	170411.1	TRUE
106255.6	117153.5	116533.7	120954	152701.9	128544.5	124250.7	155412.1	TRUE
146863.7	152350.8	184907.3	166322.6	165679	195394.1	197062.1	199780.8	TRUE
36292	64139.7	30789.9	54339.9	51737.7	48697.7	53679.5	45790.7	TRUE
74215.1	63953.1	47509.3	72228.5	89313.7	73154.7	54979.2	94644.7	TRUE
79975.6	67412	69326	67222.3	61293.9	94125.9	80231.6	87943.5	TRUE
46410.5	34765.3	30493.1	35948	39416.8	33443.1	41360.2	66136.1	TRUE
74203.6	75209.8	105687.3	81677.6	81313.6	103484.8	83932	70516.3	TRUE
304585.1	267548	449177.3	270634.4	192663	476834.4	280262.9	205275.7	TRUE
48698.7	48837.7	44458.7	19685.3	34575.9	54444.7	26071.3	37441.5	TRUE
102027.6	89829.1	201020.1	81629.8	58877	190754.6	105875.7	79655.9	TRUE
70623.1	55260.3	64657.9	44143.5	60030.1	69367.1	74021.1	64164.1	TRUE
206442.7	131223.6	187180.5	182550.5	261544.8	183711.8	177065.5	178199	TRUE
300369.5	260711.9	279004.4	302935.9	460212.4	286694.9	299282.9	301005.2	TRUE
296412.1	274378.7	412309.2	214081	200767.9	377966.7	267372.4	209515.8	TRUE
420442.1	404383.4	495077.8	287983.6	251073.6	449374.7	311371.2	298721.5	TRUE
350685.8	253562.9	345405.7	323802.5	497846	328743.8	291744.2	334686.6	TRUE
821881.5	722367.1	843646.8	760092.1	1006692	704684.5	700822.7	766359.9	TRUE
15972.2	8557.4	6776.7	10181	4070.5	20682.2	29248.2	8844.4	TRUE

105922.6	85097.5	129191	123052.1	115614.1	122941.6	115204.2	112518.1	TRUE
44447.5	57269.5	48410.1	71089	52553.6	49728	50284.2	61096.5	TRUE
294030	263588.4	242718.4	313848.9	293992	313145.5	291611.2	292321.7	TRUE
63775.6	44720.6	56770.7	88574.1	72894	60970.7	54465.5	69957.7	TRUE
220264	199442	172271.2	294079.9	241752.6	218072.8	252812.3	257187.1	TRUE
383111.3	335245.9	353338.7	362979.6	313942.8	368428	353933.3	340295.3	TRUE
366973.3	339744.2	361803.3	362675.6	383804.8	391470.3	346930.6	397944.5	TRUE
530584.4	437186.1	518242.7	493409.9	521062	535547.2	439449.5	608291.2	TRUE
42482.9	21003.3	28687.4	51223.7	29614.8	46945.4	41863.1	55831.1	TRUE
611607.8	553459.7	648662.5	635113.6	678434.6	714115.3	609599.9	671962.4	TRUE
784924.9	1045141	772097.3	929207.2	803315.6	827029.5	815017.7	836322.4	TRUE
164835.8	173929.5	143671.2	140197.8	142854.3	163774.1	157228.6	149372.1	TRUE
131002.8	118417.1	143116.4	131502.5	163125.3	109250.6	116781.9	136084	TRUE
126017.3	73397.1	69383.3	59776.2	89966.7	59490.1	78643.7	110462.6	TRUE
524521.3	518553.6	535174.7	425550.4	376929.2	539565.4	508490.7	383003.9	TRUE
36154	46220.6	70145.9	57691.4	41178.7	69636.7	54653.2	44497.4	TRUE
59061.4	58998.4	45814.2	50316.7	71688.8	42268.3	49353.8	49427.9	TRUE
49316.5	47753	55905.8	27023.4	33411.3	49094.3	42937.4	41167.4	TRUE
57215.6	63937.1	94588.8	38745.9	65377.6	97385.3	69621.8	62056.1	TRUE
131580.2	94668	110684.5	143531.3	182581.7	105872.7	117026.3	117559.6	TRUE
295185.7	225885.4	288516.2	308681.5	216820	171903.4	221127.7	155906	TRUE
84929.2	168565.4	117556.4	68753.7	104793	136075.4	183587.7	103700.4	TRUE
65300	67502.1	54081.3	47132.4	46403.5	61333.5	64612.1	59487	TRUE
88144.4	90659.4	110011.3	60269.8	65555.8	104197.4	111931.2	78593.9	TRUE
231074.2	330261.9	303429.5	198614.7	201695.3	293912.3	367859.9	223398.2	TRUE
237990.4	340229.2	227224.5	180218.5	214421.1	251700.8	315606.9	207379	TRUE
135182.6	169180.4	145408.7	134684.9	122677.4	161544	199391	114150.6	TRUE
78894.1	71507.1	92098.6	78263.4	81808.5	82669.8	89020.4	81788.1	TRUE
220808.9	270933.2	162173.7	118645.7	146538.7	178234.5	189051.9	144447	TRUE
230224.6	260665.4	214190.3	210365.4	194616.6	245381.9	251399.7	205840.8	TRUE
169633.6	172591.3	159839.7	198077.6	180079.2	145291.1	170638.5	164114.2	TRUE
132488.6	144047.5	107994.4	155309.8	115652	140599.7	137661.7	116997.6	TRUE
118905.5	140142.8	136495.4	127654.4	99113.2	104888.2	132533.3	126165.3	TRUE
119944.5	143864.4	104381.1	142127.6	119931.4	113956.4	142159.6	122803.3	TRUE
20214.4	7410.9	6695.4	24895.3	18490.4	18809.2	27986.5	24575.8	TRUE
109183.9	91258	60298.2	124348.3	80840.1	111815.1	126165.4	111055.9	TRUE
85911.8	66741.8	60718.3	63462.9	66672.2	73848.9	84016.3	94249.9	TRUE
42593	9362.8	20927.5	12029.6	7076.2	31931.4	39338.6	18166.4	TRUE

144406	158762	117837.8	164745.7	133294.7	120428.6	163837.3	154933.4	TRUE
118905.5	140142.8	136495.4	127654.4	99113.2	104888.2	132533.3	126165.3	TRUE
65738.5	77541.4	96819.1	69672.5	57403.4	93295.5	78780	57780.6	TRUE
131105.4	133175.1	145465.5	125346.6	94301.1	161107.9	138656.1	93162.7	TRUE
90517.8	116333.9	95277.8	81368.4	65161.9	91336.7	112535.1	70645.8	TRUE
670499.8	676196.8	671010.6	426821.6	457896	703176.1	627729.5	436320.7	TRUE
76502.5	112315.4	102236.2	82941.6	67458.7	91890.3	102921.7	54834.3	TRUE
239645.3	176035.3	217928.6	313902.1	285918.4	234923.9	205370.1	223416.8	TRUE
85141.5	77765.4	101872	95119	92484.7	87776.9	63592.7	78592.3	TRUE
268008.8	340654.5	192846.7	251727.9	236879.5	226471.8	307788.7	231208.2	TRUE
1479429	1166461	1825832	2459136	1308441	1385583	1252869	1368079	TRUE
41500.5	28479.2	29262.3	56857.7	35321.4	49720.3	51681.8	38273.5	TRUE
24127.6	19400.1	45812.3	29378.5	24007.4	10016.7	6814.8	6618.8	TRUE
70412.9	78604.8	94972.8	79953.6	72760	99824.3	89417.5	73733.4	TRUE
618298.8	803563.2	588435.1	583058	454338.9	559622.8	854427.3	446057.9	TRUE
60570.5	67976.7	43772.4	68883	65168.7	79456.4	94600.4	58145.4	TRUE
33421.6	26274.4	39476.7	30992.2	34989.7	30601.5	37720.3	50823.2	TRUE
60281.2	67528.2	36189.6	51281	48955.5	50876.4	65123.8	42838.7	TRUE
354660.8	534662.8	269436.1	323730.7	368774.4	252956.1	433579.5	380265.8	TRUE
699579.6	735565.8	1054102	1038153	506769.8	660303	664789.6	650240.4	TRUE
383127.8	386917.6	466361.4	433199	338101.6	368908.5	336160.2	328529.7	TRUE
23486	31605.8	30124.5	25361.2	29038.1	21077.9	33349.7	26381.7	TRUE
66708.4	60839.7	76476.6	68578.2	51755	67806.3	75551.7	64897.2	TRUE
15136.3	16779.3	19327.7	28142.8	16941.6	7605.1	18398.6	9694.7	TRUE
87551.3	110181.4	65650.5	82146.1	76347.3	57448.3	87532	92272.8	TRUE
591316.1	670407.9	403348.4	492214.5	514270	427393	693657.8	531743.3	TRUE
19785.6	26631.2	7878.7	14333.6	22358.5	6621.9	35520	24291.6	TRUE
368666.8	371297.3	482957.6	501795.3	306734.5	343356.1	414447.1	327048.9	TRUE
66372.9	98676.2	126609.2	71576.9	79805.8	52852	83055.6	55271.2	TRUE
51177.1	47104.9	33627	51185	35653.1	51052	65516	50225.1	TRUE
295198.1	274350.8	290093.3	294330.8	277247.7	301903.3	264122.9	323027.9	TRUE
188658.6	235697.3	169639.6	184508.6	166673.4	184059.4	200371.4	163061.9	TRUE
123399.9	102352.8	110224.7	128782.1	110932.4	108583.4	121473.7	137755.7	TRUE
47624.5	56670.6	36904.5	40571.6	38535	33387.4	51250.1	34294.8	TRUE
241506.1	219391	274266.5	224790.3	188889.7	292657.9	248475.2	201425.2	TRUE
283548.6	248366.8	343034.2	326592.4	315623.1	304443.9	295915.4	293853.5	TRUE
41434.7	43412.5	45525.4	51021.6	37904.8	31137.4	35347	41934.5	TRUE
397203.1	361534.7	330423.8	345127.4	426115.3	398079.2	369343.1	366693	TRUE
159800.9	126378.6	126707.3	146303.6	138245.6	127507.3	122353.1	138454.2	TRUE
85882.3	69587.3	80573.2	70897.5	76255.6	77391	68253.1	91386.9	TRUE

226957.6	216830.8	318645.8	219446.7	209400.9	272165.7	233172.1	236990.3	TRUE
281508.8	249392.4	303740.8	273772.8	384961.9	293269.7	403060.2	319338.4	TRUE
16653.9	34472.8	26447.9	25206.1	17957.3	13192.5	25498.8	12350.2	TRUE
25350.2	37707.4	26368	41024.1	31494.2	36936.3	35503.4	41123.4	TRUE
38392.7	59132.3	33482	48974.9	54410.9	31952.8	51587.5	40545.2	TRUE
69543.1	57496.6	60839.4	81524.7	109649.7	77753.1	63414.4	96867.8	TRUE
246403	261319.4	221723.5	216754.9	310566.9	200993.9	237059.5	212835.9	TRUE
124993.5	70508.9	133266.9	77999.3	111127.8	108648.1	95388.9	132057.8	TRUE
429536.7	362047.6	384246	423973.2	265527.5	423355.5	325917.6	314496.6	TRUE
28872.9	22528.8	36625.2	19321.5	16240.1	25818.2	31244.6	20615	TRUE
41614.6	39162	34577.5	35541.7	36353.4	27569.5	25685.6	38655.8	TRUE
38210.5	41219.6	47783.2	48258.9	37237.9	36280.9	34242.2	28520.3	TRUE
86075.8	61067.9	87951.2	87691.6	93079.2	97466.3	77134.3	123857.2	TRUE
819591.3	600731.1	802381.6	790407.2	822778.2	879310.8	640978.8	888957.3	TRUE
63328.3	40381.8	65871.4	79039.8	49468.4	76637.1	44521.2	64297.3	TRUE
82212	63117.2	55347.8	50641.4	73214.8	77904.7	59064.2	71097.6	TRUE
11646.5	12767.4	36684.8	28355.7	26596.3	62456.8	7245.3	31551.2	TRUE
70566.8	58302.9	39968.7	48336.5	108942.4	108042.1	76161.6	98672.8	TRUE
270939.2	144793.6	314676.3	344633.2	260980.8	315061.1	152494.2	237430.9	TRUE
359016.8	321744.1	177325.5	185938	497586.5	716893.4	371132.7	551602.7	TRUE
56251.5	52253.6	74181.2	71985.8	62243.7	85146.6	44677.3	61220	TRUE
83809.3	59546.9	90052.9	116528.3	83339	149556.4	57907.1	85267.9	TRUE
9152.9	5593.2	12030.1	27171.2	10107.1	21203.2	6889.5	7953.9	TRUE
259480.9	216444.8	256868	281517.8	226164.4	286144.1	208932.4	256551.8	TRUE
100541.6	100867.9	96354.1	103688.7	87342	103575.2	101605.9	86514.3	TRUE
99557.1	75909.6	87431.4	85894.3	71922.8	79727.1	78680.7	67951.8	TRUE
405307.5	366288.9	387389.3	455904.6	427131.8	417257.9	356795	446599.3	TRUE
97262.8	115679.7	93347.3	101990.2	100792.4	169622.3	133280	107992.7	TRUE
50098.3	50683.1	59338.8	52972.6	44050.5	45040.4	44147.1	34656.5	TRUE
140577.8	163168.4	160300.4	146799	128254.3	145211.7	122627.7	156932.4	TRUE
5847	8040.2	7787.1	8733.4	17323.8	14184.9	9475.2	8085.6	TRUE
52902.2	46419	48725.1	70296.1	50168	70552.5	59336.8	53717.8	TRUE
81146.4	49799.1	64035.7	64068.2	88190.9	81269.4	50086.5	77754.8	TRUE
181486.8	188393.3	230752.8	151995.9	141928.2	223319.8	175583.8	136058.7	TRUE

392831.2	336535.2	404935.6	404428.3	369595.5	440203	345848.1	388518.3	TRUE
211310.7	199681.9	222697.6	249251.9	264148.5	242420.5	206188.6	281553.1	TRUE
63602.9	46772.1	76320.4	84910.4	76827	82498.7	41183.1	62702	TRUE
226826.8	193923.2	145579.8	135660.9	281398.6	329108	202605.3	298220.4	TRUE
80366.8	77075	77493	90375.6	93488.6	56816.3	71760.3	77577.2	TRUE
106152.2	124084.8	93809.2	94246.9	104954.4	100810.6	124928.4	103249.8	TRUE
148716.9	136057.2	129661.9	141369.8	122016.7	144581.1	134712.2	173551.9	TRUE
98035.4	128104.8	79836.6	104571.4	111485.6	86629.4	140827.1	105582.3	TRUE
241500.1	206717	148881	216396	207093.5	212879.7	311547.2	264787.3	TRUE
337805.5	316417.4	324408.6	352781.5	252846.6	352678.6	465510.4	430431.8	TRUE
21188.2	14167.7	4481.7	7279.6	12946.8	13349	20656.8	14571.1	TRUE
187254.1	150212.6	220035.3	182594.3	140006.8	173884.6	161738.4	172436.1	TRUE
52904.9	36019.5	52166.9	37277.4	40587	44633.8	40839	39913.6	TRUE
35714.3	30133.8	30399.7	34850.1	26572.5	47577.8	28990.5	43879.1	TRUE
52308.1	44557.4	42435.7	47936.6	48509.5	69030.3	42420.3	73733.2	TRUE
185242	138499.3	134841.8	143502.4	227237.9	218669.6	179198	186068.1	TRUE
24294	22706.6	10189	13986.5	24136.6	14511.5	26156.4	35049.5	TRUE
95036.5	104366	85868.4	128024	91042.4	103186.8	79165.6	70689.2	TRUE
97766.1	88205	87126.7	112250.3	80276.3	91871.1	104872.9	80602.9	TRUE
386338.7	364118.9	393513	275282.6	337934.2	457888.8	406710.4	361276.1	TRUE
98475.2	113474.8	75127.1	100350	87845	120716.4	103809.7	127099.5	TRUE
43539.1	58958.1	38679.9	49542.6	43793.1	45836.3	57941.5	43891.8	TRUE
74876.4	54204.2	70122.6	74777.3	87946.6	84270.1	82013.5	86256.8	TRUE
408043.1	356921.2	354510.9	326509.9	316898.2	398105.3	415349.7	311772.4	TRUE
387769	255605.8	393416	433012.6	368896.1	282661	289108.3	282465.7	TRUE
118054.2	123685	123183	72524.3	103170.4	124793.8	100695.5	104448.7	TRUE
26905.7	45970.7	48830.3	41231.7	51989.9	42458.7	43727	37348	TRUE
48628.4	65328.5	72118.7	47021.7	63077	74113.8	48762.9	48837.1	TRUE
115681.8	158940.2	129924.7	105245.8	92009	124255.6	149415.1	85748.5	TRUE
30389.2	36945	13516.6	10154.4	25849.9	21986.6	58439.4	8365.5	TRUE
41434.7	48731.3	40890.9	32887.7	24535.3	51198.2	58517.7	29604.4	TRUE
82658.5	88180.9	74730.2	53731.1	60104	128778.7	106451.1	80393.8	TRUE
31722.9	30271.1	31695.5	7871.5	26781.1	41797	31053.1	9196.9	TRUE
38600.6	46310.2	44829.4	20252.2	31930.4	46934.8	48153.9	35285	TRUE
136287.8	146027.5	148985.4	150589.5	145472.3	173501	145830.4	133207.4	TRUE

155310.1	136974.6	141941	153613.5	188006	141732.4	137747.7	124911.3	TRUE
135696.6	128889.8	147512.3	154932.5	117268.3	154355.2	127089.3	136285	TRUE
112336.8	94627.1	131376	95808.1	99204.7	148283.4	103638.2	105333.9	TRUE
57394.7	67728.7	62479.6	72240.2	57520.8	80778.7	68134.4	59226	TRUE
109245.5	118985.2	143564.6	122308.3	97507.5	151519.3	114909	118900.6	TRUE
199996.8	654222.8	179883.2	396566.2	755621.4	80086.3	88918.9	118003.7	TRUE
301618.8	1321984	292943.8	728579.5	1366207	75475.4	121082.9	177202.4	TRUE
839592.3	1027993	493564.2	619225.2	1150571	468161.1	1026266	1002225	TRUE
1979224	2387717	1060235	1541841	2604377	1083171	2351000	2455999	TRUE
449401.3	555861	230668	293794.8	593851.7	288247	537507.7	690988.3	TRUE
2045948	2524159	1057040	1472747	2770244	1268568	2700854	3094177	TRUE
2963184	3859968	1621263	2283285	3996443	1796734	3800726	4286093	TRUE
3148518	3787430	1787483	2198819	3867286	1928050	4000634	4191330	TRUE
52958.6	197881.5	104084	177527.3	108184.4	28707	30325	32370.2	TRUE
74273.8	74400	92315.1	96784.4	64164.5	67837.5	103459.2	88043.3	TRUE
210949.7	228050.1	182866.9	216136.1	168914.7	199630.2	260644.7	202918.6	TRUE
239263.6	325384.2	292384.6	344809.9	138780	497477.1	302902.1	201833.4	TRUE
2180294	2792704	2058718	2626320	1252725	1425704	2582700	1717033	TRUE
290520.9	364365.4	244343.9	280172.3	310975.8	258456.9	395113.7	352056.8	TRUE
97878.6	281100.1	136780.7	187134.4	291299.2	74901.4	85137.9	77152.3	TRUE
99011.8	86717.4	80994.8	80518.8	120557.7	116593.1	115096.7	157609.9	TRUE
286041.7	597130.2	471552.8	557639.1	432977.8	215586.5	243290.3	223742.2	TRUE
55564.2	171809.5	110844.2	170134.2	111259.8	32468.4	38696.3	35601.5	TRUE
69169.2	48075.5	54874.5	45501.9	47440.3	50859.7	41366.9	58338.3	TRUE
152678.6	164793.9	141730	202682.4	148656.2	174040.4	201049.8	187219.8	TRUE
109539.5	123506.6	69783.7	100581.3	88388.5	55687.5	108618.1	92520.7	TRUE
82728.1	58653	28546.2	41437.9	43145	31500.3	66359.5	59118	TRUE
62649.4	65807.6	47732.6	30701.6	55612.1	46893.8	72068.5	62176.7	TRUE
23222.8	9309.3	16990.4	2854.9	21481.1	6586.5	20586.2	22741.9	TRUE
62292.1	83386.5	69052.4	97973.1	93291.7	49609.4	95576	88797.9	TRUE
616689.7	577253.2	468823.4	1009871	1011850	542502.3	816788.1	958722.9	TRUE
44785.1	43481.1	48629.8	29801.5	67995.4	34226.9	37597.4	55260.2	TRUE
194370.8	185540.5	173818.7	193672.5	416859.1	206266.2	267460.2	437894.8	TRUE
41079.1	28366.7	33155.8	24299.1	57036.4	31828.4	47679.2	65673.1	TRUE
108277.2	124227.8	109228.6	89283.7	174364.3	99200.4	156287.8	173516.6	TRUE
75633.2	60254.9	62591.7	48612.2	83684.9	51170.4	76729	95596.5	TRUE
59713.9	36566.5	41511.2	63644.2	32864.8	56007.4	53246.3	66773.1	TRUE
97783.7	126003.3	109601.6	131229.5	76790.3	163456.9	135341	141479.1	TRUE
50690.3	65043.7	54881.1	60898.8	32324.1	32060.6	60519.4	31561.8	TRUE
58178.7	85007.3	67127.8	81856.5	38076.2	31881.7	109697.8	39209.1	TRUE
166025.5	296138.4	217620.4	261311.6	128658	75245.6	323307.9	85239.4	TRUE
124104.1	95532.3	110354.6	128019.3	128669.4	119935.7	116771.6	129356.2	TRUE
19798.6	40158.1	21515.4	23173.1	17436	16087.1	39974.7	11066	TRUE

49131	51392	43625.9	10810.7	47844.5	28696.6	53644.9	63913.5	TRUE
31205.2	27259.9	31472.8	18506.7	69253.5	23980.5	51364.3	55589.6	TRUE
261193.2	286930.9	249705.7	223250.8	492360.2	237200	382457.2	512139.1	TRUE
58581.9	61630.4	65947.1	60544.3	141340.1	59296.1	117156	159381.5	TRUE
254861.8	316096.8	243347.3	306184.7	174189.6	137791.9	399969.3	152692.1	TRUE
1814602	2910350	2070610	2261989	1271987	770441.6	2905136	1009998	TRUE
84436.9	114608.6	129414.1	142406.6	103014.7	70864.6	149008.6	73352.3	TRUE
46012.6	48170.4	29976.7	30268.8	87024.5	40361.7	53116.1	68072.2	TRUE
813541.9	755741.4	543854.8	519960.9	1389616	558011	969145	1450215	TRUE
311840.4	311198.1	201320	245750.3	565702.5	180374.1	397033.3	580039.1	TRUE
45014.5	43131.8	31846.5	23714.3	65800.9	39149.8	57381.6	74139.2	TRUE
33025.3	37922.7	25764.2	21730.1	39436.5	20820.8	32080.7	38615.8	TRUE
17835.8	22808.3	6094.9	24098.8	28138.1	15323.1	25516.7	25469.5	TRUE
9699	4868.8	7254.7	8582.3	8700.7	8802.4	11567.5	24000.5	TRUE
155370.7	180571.6	129385.2	142395.2	200184.7	139807	153620.7	172121.7	TRUE
72065.3	51035	78062.5	81103.8	58294.3	91489.7	74292.7	85042.4	TRUE
58466.8	71472.9	54412.1	47485.2	69594.4	35673.7	58039.2	73669.5	TRUE
51307.1	45337.2	46148.5	50255.2	94143	57609.2	63348.7	81347.6	TRUE
363486.8	304726.4	299070.7	344692	401720.7	298491.5	350131.5	393071.4	TRUE
192631.2	218410.8	182193.4	199239.8	245301	163119	249607.8	263910.3	TRUE
1300363	1326150	800074.7	1051321	1640386	985907.4	1390987	1660030	TRUE
204678.8	203202.4	138836.7	153531	254774.3	134606.8	241116	233873.8	TRUE
340457	308210.4	231803	267955	441231.1	258534.7	338842.7	426725.6	TRUE
100675.2	91032.7	103523.5	99772.8	150143.1	145810	116974.7	145809.7	TRUE
88962.3	102641.8	70674.9	98221.6	140092.2	84222.7	106492.1	119343.9	TRUE
59425.4	70995	56807.2	65067.7	75870.6	56981.9	78386.3	87381.5	TRUE
75666.1	97889.9	63927	81245.8	141362.8	54229.2	79149.6	66733.3	TRUE
78372.7	88723.4	75149.2	90065.8	72671.5	73000.8	80689	72169.3	TRUE
133536.1	109843	97069.2	85455.8	157158.6	84294.8	121647.7	164216.4	TRUE
91463.3	96267.8	54948.1	77924.6	126163	62216.1	110511.4	122568.9	TRUE
1865876	2006366	1268356	1726820	2279404	1351529	2256628	2372560	TRUE
82430.3	101102	115085.4	116666	84415.6	66339.4	64809.5	71444.9	TRUE
55507.4	81769	91017.3	75642.7	113094.3	50980.7	65649.8	83828	TRUE
46695	63049.1	62368.3	48406.3	63171.2	42266.8	38893.1	45009.4	TRUE
7547.4	9432.2	26693.1	8740.9	17570.2	23690.1	10846.4	10505.6	TRUE
247192.7	223053.1	188306.3	220305.8	254676.6	176203.5	234830.9	287387.7	TRUE

59674.2	58619.2	26693.2	40897.2	63822.7	34185.5	51679.4	84026.8	TRUE
272822	282448.5	214191.9	175702.7	278738	195186.3	243963.5	313261.9	TRUE
41716.4	56771.9	60286.6	47418	107488.3	38988	28962	47900.7	TRUE
51789.3	48193.8	75772.9	51922.6	55035.8	58344.6	62546	68755.8	TRUE
92790.9	73899.1	65457.1	65572.3	127600.4	102191.4	116377.5	138673.5	TRUE
70900.9	80200	74853	72720.8	73279.9	76337.7	92649.4	51827	TRUE
195015.6	273464.8	211222.8	314189.2	183542.5	186309.1	327612.2	175142.6	TRUE
209592.6	307179.7	180570.7	293320.5	182691.3	160620.7	420759	153639	TRUE
171602.8	316492.1	332361	234849	156625.4	180351.4	342015.8	138198.5	TRUE
71809.7	49814.8	37938	64604.1	27630.3	64974.6	79849.9	45087.1	TRUE
106868.7	98297.2	107295.6	106167	79963.9	89689.6	127007.1	106398.8	TRUE
150657.2	172966	122397.4	144575.9	118273.4	119495.3	185223.6	159490	TRUE
85612.6	74968.6	85871.9	87174.2	54835.7	107195.1	99804.8	65572.3	TRUE
90728.5	81263	82494.6	71043.5	75352.3	88914.6	96589.4	95416.3	TRUE
198069.2	402643.6	247306.5	488274.7	280402.3	236049.7	636048.1	189380.2	TRUE
132992	230328.8	171619	271601	191269.9	177008.8	371184.4	137420.9	TRUE
114294.1	81003.8	88782.7	169283.2	75495.8	76038.7	107184.6	64611.7	TRUE
220338	159449.5	218882.1	179707.4	141761.8	290696.7	173792.5	160586.1	TRUE
130686.9	96094.1	134961.9	117426.3	118231.1	96398	88641.9	102447.4	TRUE
105238.9	58220.7	134422.4	86280.3	83422	156226.2	65888.6	90515.8	TRUE
58528.6	33412.2	81349.8	29375.8	40299	67614.6	47402.6	52524.5	TRUE
48661.5	30714.3	63105.7	6709.6	10829.7	68513.9	31423	15506.8	TRUE
57013.4	52355.3	74073.9	46239.3	54962.6	76639.7	49000.3	54539	TRUE
149867.9	70638.4	77394.8	63960.4	246120.4	38451.9	80477.3	36547.9	TRUE
164008.2	133838.4	133051.6	110717.2	92290.6	130267.5	122128.2	99888.6	TRUE
207625.5	133506.7	235191.7	234257	160554.2	228837.8	210206	160987.4	TRUE
349235.6	279613.9	295636.9	420536.5	259626.9	365090.5	320010.9	279258.4	TRUE
74744.1	88329.8	79223.2	89145.7	63888.4	102097.7	81046.4	81298.5	TRUE
51658.8	84866	68444.4	100069.8	75947	49429.3	57835.5	38691.1	TRUE
150477	101713.2	152814.4	144525.2	167842.2	153592.5	117491.5	155260.9	TRUE
142299.4	84376.5	141931.1	138876.1	90666.3	177361.9	113290	97353.5	TRUE
331704.3	245441.4	388034	379927.3	227429.1	360605.8	279503.2	261448.8	TRUE
98480.8	57336.6	117210.2	111932.3	64665.4	127797.7	88075.3	73338.5	TRUE
128397.8	122675	124148.5	128626.7	71570.8	126966.8	107014.2	81140.5	TRUE
57395.8	38631	71855.4	55940.7	64985.2	38602.8	46530.3	51481.8	TRUE
244766	180356.5	269125.6	259329.1	183879.6	242786.1	196317.7	163836.2	TRUE
143164.5	130942.1	142704.1	170145.2	110780.9	174201.4	127343.3	124103.7	TRUE
112334.7	144177.1	111791.6	144415.7	96126.6	141872.8	112155.4	118882	TRUE
254445.3	431658.7	314664.1	437905.3	351301.3	187934.1	214688.6	205514.1	TRUE
39403.5	31994.4	42941.5	47672.1	29716.6	38321.9	39917.8	14562.2	TRUE
46735	67190.5	75290	92629.1	74629.9	46406	39060.2	36779.8	TRUE
40373.2	49288.5	43497.7	35942.9	40260.4	33530.4	49536.1	37973.1	TRUE
43818.5	53032.1	38834.4	47754.1	44816.9	35638.8	42504.2	34940	TRUE
145144.9	109494.6	101075.7	124371.9	90868.9	121761.5	129064.8	118200.4	TRUE
204284	185344.8	308808.8	278258.5	245627.5	277759.6	235210.1	269483.4	TRUE
57996.8	41770.1	82404.2	71473.7	90035.7	98246.9	56820	94074.4	TRUE
80969.6	58742.3	69657.5	87685.3	47380.7	116636.5	56294.7	86311.1	TRUE
24680.3	9630.9	28580.3	11300	7861.5	52568.1	14316.6	12664.5	TRUE
255362.7	180231.8	194627.7	184260.7	234267.1	261323.6	246640	275608.9	TRUE

45429.4	36062.4	41091.6	51012.7	42135	55260.8	37536.5	53974.8	TRUE
217016.3	131954.3	100717.9	115291.6	170103.9	200594.4	138202.7	220959.4	TRUE
116789.5	80956.8	87398.3	106763.2	126877.1	154371.7	92340.9	137183.2	TRUE
167419.4	101464.4	110223.5	162095.6	161008.3	170752.5	123480.4	169948	TRUE
55364.8	95751.8	75832.7	129235.4	98786	39083	36947.6	40263.7	TRUE
226244.7	234141.8	301177.1	323913.2	262029.7	280092.3	262901.5	238987.6	TRUE
73237.6	57576.4	114747.5	107469.3	96090.6	124017	102407.9	82521.5	TRUE
114872	103657.8	152685.7	167186.7	134164	182302.6	147907	158582.8	TRUE
259792.4	297961.4	296751.6	338055.2	276764.4	329585.7	310854	303347.6	TRUE
290583.8	605137	433304.9	728433.8	883200.9	150510.9	131271.3	173369.8	TRUE
305037.5	679865.4	425192	611702.2	759615.7	153921.7	118302.9	154550.2	TRUE
37296.1	22422.1	29347.1	28815.8	34311.7	37677.5	23263.3	43753.4	TRUE
910634.3	700325.1	998374.9	1249057	1591487	1300390	880866.9	1300804	TRUE
19940092	15700372	21027021	21128373	19571855	26169665	19498295	27007957	TRUE
698947.4	1549534	1172990	2035155	1847047	498130.9	488345.5	562465.9	TRUE
759645.4	520647.2	677827.1	862170.7	639028	1037252	701197.3	913021.1	TRUE
1740867	1472033	1539197	1776704	1297307	1692205	1496099	1280756	TRUE
1577412	1438930	1512058	1744664	1257646	1628548	1376371	1173564	TRUE
211547.2	183061.8	188124.5	211878.6	143574.6	181960	166367.8	151220.6	TRUE
645609.7	516832.6	616548.6	632461.9	469756.3	605516.5	498451.3	476439.1	TRUE
426738.3	393212.1	473985.2	423193.4	326703.2	451099.8	406166.8	312762.1	TRUE
1134577	856779	1329194	1570034	988821.9	1399225	1048266	1008535	TRUE
848589.8	798443.2	979127.5	1169522	790608.8	1057463	868063.1	828640.4	TRUE
14618381	11591901	17165506	21958002	13119991	18241890	15422517	13995499	TRUE
94646	92068.7	94453.2	111462.8	81003.2	86736.7	95822.8	70388.8	TRUE
63442	57076.4	63408.5	84884.4	69658.6	65172.5	57369.3	46027.4	TRUE
16886428	14128508	16984318	19259308	14878152	17120215	15020594	15641347	TRUE
4572945	4219626	4321069	5577237	4116801	4540274	4458727	4322222	TRUE
523682.3	528590.8	504357.7	589223.3	480301.4	508027.1	553768.1	449268.1	TRUE
240950.7	213956.4	199618.9	237281.1	205518.5	240433.5	225937.5	210060.4	TRUE
225274.4	231653.8	229589.6	234442.1	191682	218025.4	228872.8	219114.5	TRUE
41330632	33610975	39454781	40093808	41615630	45872123	35857739	48640008	TRUE
1059020	934767.7	1046752	998050.8	1076435	1199348	1016227	1268495	TRUE
586132.5	501505.1	616269.1	577983.2	610671.4	650988.8	513122.8	628973.3	TRUE
203336.4	157753.7	201914.7	202689.7	206402.6	215674.9	182493.8	231778.1	TRUE
151125.4	159975.8	98270.2	169085.8	133693.5	108942.9	149381.8	141915.2	TRUE
274949.1	228196.6	303472.5	310104.8	262837.9	284538.9	288166.8	278903.9	TRUE
52726.9	64128.6	69962.4	81296.3	56544	66841.3	60963.2	69329.7	TRUE
132230.1	99955.5	161333.6	160351	149994.8	156179.4	127559.9	147963.3	TRUE
53005.9	103283.5	64896.1	90052.1	128908.4	42023	26607.7	43845	TRUE
116426.4	111949.2	120638.2	113071.8	116850.6	96896.7	118684.2	104845	TRUE
76119.5	80364.7	75273.6	58025.5	72191.2	79787.8	66049.8	59673.3	TRUE
248651.4	210908.5	225590.8	204650.3	217411.9	229168	211993.3	223794.4	TRUE
217353.2	209913.9	223239.1	180019.7	221342.9	248083.6	235092.8	238290.1	TRUE
136761	146594.7	132211.5	139535.6	142198	133409.2	135522.6	150425.3	TRUE
377054.4	355370.9	404690.3	372862.7	443924.2	361379	410783.6	446433	TRUE
613078.3	587764.3	819867	994050.8	890155.2	866544.6	805996.5	926927.2	TRUE
461303.6	466051.1	592757.9	692265.8	680152.5	640166	569183.8	688460.7	TRUE
108642.1	102697	95418	104391	86173.2	101257.3	95150.2	99161.6	TRUE

1234524	1164398	1211145	1174655	1241421	1393357	1337421	1214622	TRUE
563400.1	613790.4	574208.7	596884.9	542548.5	612564.2	576059.7	627810.1	TRUE
271354.9	289007.9	282515.1	275406.7	321829.9	375476.8	321270.3	306886.4	TRUE
328534.8	317616	349230.5	378099.5	392507.9	427713.1	381093.7	457476.1	TRUE
350400.6	326425	251298.1	269742.1	228408	254712.4	235110.7	248158.9	TRUE
125877.5	117334.6	125664.8	143297.4	124935.1	121973.6	107815.1	113524.2	TRUE
10112.9	31918.7	2882	44498.8	14180.6	11143.9	20177.6	32140.9	TRUE
20624.7	19069.8	15840.5	23915.2	21780.5	4916.6	13034.7	9466.4	TRUE
10281.3	29571.7	28505	23453	29898.6	26547.6	8900.7	13252.1	TRUE
5961.5	10074.2	4647.2	9094.4	17652.2	9169.5	7908.5	6075.1	TRUE
178714	121300.5	119324.5	745125.2	165962.6	223696.1	182278.8	252896.9	TRUE
28959.1	33810.7	25295.5	43658.5	33820.2	37157.5	33184.3	26639	TRUE
15006	9476.2	5390.1	12702.4	16243.4	14809	18285.9	12196.6	TRUE
220773.7	189827.4	175588.3	224665.5	172096.9	314190.1	219700.3	272974.6	TRUE
23495	25962.4	25844.7	3401.4	27752.6	30218.9	10905	22144.3	TRUE
30817.7	35870.9	19195.1	15470.5	31989.6	28021.3	30217.8	41407.4	TRUE
1486196	1256652	1887161	1690836	1197614	2032842	1352675	1224890	TRUE
72918.4	67025.8	95185.5	130492.9	99657.2	80901.1	67975.1	80248.4	TRUE
234624	211787.3	160467.6	237558.1	236578.3	219296	238994.1	257318.9	TRUE
27890.9	19231.1	26000.7	33239.1	25370.6	30683.1	10121.8	23353	TRUE
358784.5	433919	327872.2	348699.9	303581.1	505671.7	468284.1	508496.6	TRUE
245929.5	195333.4	158870.3	154586.6	213695.1	278753.8	215787.7	286549.9	TRUE
17543.9	18180.2	31619.7	16872.8	22822.4	33818.9	17813.1	30479.2	TRUE
30056.8	49883.7	41022.6	31783	36655.8	25772.9	30432.3	34998.9	TRUE
351902.5	341335.8	213936.8	319942.4	319635.6	202336.4	279705.1	352431.8	TRUE
70458.4	56693.5	31006.8	52817.4	76930.4	45176.7	63812.6	72250.6	TRUE
81773.3	66468.9	47660	39052.7	69302.5	46613.9	57338.3	71348.3	TRUE
451448.1	573082.1	329154.3	426322.9	483059.1	270054.4	477511.2	496118.6	TRUE
438483.3	519504.6	477666.7	511757.2	539375.7	414810.7	531116.4	535588	TRUE
494636.1	573853.2	313769.4	628468.8	716007.9	331306.5	621602.4	733860.2	TRUE
62120.6	119209.9	83746.4	104349.4	135107.2	46843.7	59245.2	60271.1	TRUE
407337.6	359990.7	337112.1	390048.3	454036.6	308512	372942.3	389654.9	TRUE

623605.2	568536.5	473770.6	588397	685500	476285.4	597973.6	662438.2	TRUE
107115.6	97053.3	95687.3	107776.5	106697.8	80560.6	113043	112916	TRUE
87660.4	138598.2	84097.6	141424.5	172221.8	74036.1	72118.6	78682	TRUE
43765.3	93273.1	61629.9	79199.4	123200.6	22038.2	24338	34480.7	TRUE
442065.3	437914.8	498752.5	471776.9	394115.4	446402.4	500637.6	427679.8	TRUE
2273808	2453531	2217769	2264631	1897923	2245033	2713618	2324767	TRUE
1187428	1224147	1185150	1200825	1015216	1258412	1369892	1200201	TRUE
720560.7	660529.5	707126.9	725662	725655.1	784222	747812.3	733643.5	TRUE
318822.5	317119	255807.8	275079.1	285020.9	246898	275944.1	292077.6	TRUE
194619.1	178017.6	150578.5	154855.2	152320.7	127916.8	148964.8	185751.1	TRUE
119243	110110.7	114260.2	120272.1	133500.7	107019.7	106987.4	101389	TRUE
1063172	1052702	803146.8	995015.1	1043992	865347.8	971910.4	987541.6	TRUE
277448.2	289175.3	260820.8	310131	333129.9	290174.7	322163.4	324173	TRUE
115154.6	182468.5	187083.1	164034.7	223202.4	138128.7	96254.1	125480.8	TRUE
63949.4	128664.7	76555.7	115864.5	123880.7	26190.7	36616.1	39400.1	TRUE
307564.5	284133.9	438582.3	378583.3	344555.9	410811.1	401069	423768.3	TRUE
763862.4	745396.5	871688.7	888917.8	859083.8	917745.8	946278.6	1006343	TRUE
375537.8	313736.7	318010.8	341071	373675	298019.4	356201	347826.6	TRUE
149397.9	144930.2	118661.9	146252	166680.1	147514.9	137785	134054.1	TRUE
1299056	1161701	850869.4	1065701	1248546	946405.2	1110312	1347656	TRUE
160792.1	148545.8	133707.8	188885.8	161020.4	136378.8	140051	177021.8	TRUE
353238.2	315896.2	394760.2	428994	448573.5	391082.7	376777.6	401677	TRUE
90893.9	178272.1	92068.3	135600.9	173459.9	67943.2	64330.8	63966.6	TRUE
87795.3	172447.2	94940.8	129474.7	160237.5	65764.8	45397.3	49649.7	TRUE
892760.7	833020.3	792590.7	965263.6	961630	844886.7	867597.2	882419.7	TRUE
1630791	1487896	1320626	1582149	1621432	1462099	1512482	1599968	TRUE
2055910	1958050	1910233	1992774	1775194	1986941	2029526	1965790	TRUE
820599.9	769050.7	748192	782589.9	776301.4	889335.7	832353.5	894728.5	TRUE
407563.6	405731.4	405531.4	415259.6	380599.2	453904.6	450402.4	414909.1	TRUE
536140.5	456441.6	431363.6	376597.2	390518.4	438457.4	393843.5	408429.2	TRUE
119701.6	146544.9	106968.4	137954.9	124450.8	105256.2	123395.1	146800	TRUE
107558.5	135617	109463.3	139258.3	131698.6	114298.6	127088.2	122052.9	TRUE
995377	915454.4	842056.6	1169700	1117457	877640.1	1022577	1140842	TRUE
82147.1	75084.4	56714.4	70602.5	90656.2	55155.8	66560.8	71798.6	TRUE
105322.4	95566	99217.3	120788	108211	104976.7	118926.9	147264.2	TRUE
119139.9	110129.6	118160.2	176543.5	152103.7	115641.1	133461.1	133396.1	TRUE
99434.6	74101.6	60355.7	106954.9	90877.4	90651.1	89691.3	102267.7	TRUE
50026.2	41647	50388.2	61668	42364.8	44089	44034.4	44910.3	TRUE
37586.1	28873.8	39086.1	31312.6	31642.5	29859.1	35957.6	30961.5	TRUE
41570.3	104744.6	135080.7	94738.7	101375.3	20782.7	8884.1	34812.9	TRUE
200037.2	200199.3	201039.3	211003.2	178292.8	263654.9	234583	218240.7	TRUE
361628.4	304263	375500.3	348958.3	333922.4	397157	357758.7	391650.9	TRUE
40432.7	126497.9	81957.2	140295.6	133148.3	32328.1	10711.4	29173.6	TRUE
300853	256899.8	270752.8	245455.9	247025.3	263446.2	209792.9	249302.4	TRUE
312598.2	269949.4	306423.8	323708.5	299655.5	346387	277887.4	306977	TRUE
440683.7	343405.4	400164.9	449671.1	404884.8	469449.9	337689.5	447114.6	TRUE
517466.2	427413.4	547909.3	622250.4	547304.6	582888.8	435423.9	543709.6	TRUE

200771.3	147600.2	243095.7	276599.1	212989.8	260434.9	211459.8	219162.9	TRUE
130731.3	113713.8	131692.7	143028.3	151185.3	122161.8	112888.4	151244.7	TRUE
763601.9	690325.3	540169.6	646378.7	876528.1	772187.2	721938	811822.9	TRUE
1209745	1136502	1001826	949758.1	1312778	1244426	1164863	1247284	TRUE
156096.6	135509.2	152257.4	172357.1	167744.7	160546.3	157481.1	169744.1	TRUE
56247.2	64768.6	75475.9	69687.8	79251.9	75576.5	71009.1	79411.8	TRUE
159046.3	143220.5	159054.1	191665.5	176597.7	177256.2	162188.7	198395.1	TRUE
167474.5	148405.2	157700.9	189847.2	180906	187401.1	141004	192045.6	TRUE
45119.4	41598.4	45681	40089.7	50080.5	32189.6	38154.2	36051.2	TRUE
29415.1	47619.1	34522.7	59021.9	64871.3	15960.9	13638.5	23539.5	TRUE
25040.2	22328	14788.1	11287.8	17562.5	20858.1	23343.7	26176.3	TRUE
314879.4	366968.3	356879.7	297148	342618.2	406004.8	342420.5	360024.7	TRUE
73281.7	93337.1	84932	94322.5	74047.8	86870.2	109629.5	65534.4	TRUE
21663.8	52758.4	31554.1	37274.4	41779	13994.4	22815.7	14680.6	TRUE
29044.9	33091	21474.7	44160.9	27768.1	26760	33982.6	33802	TRUE
88543	76921.8	76767.7	106055.9	96888.8	96791.1	92804.8	102946.8	TRUE
19390.3	6865.3	24840.5	14494.6	11046.5	23955.2	36403.2	11236.9	TRUE
87293.2	76066.4	99756.1	103802.4	88064.4	95952.8	89037.2	87567.6	TRUE
29781.7	29644.9	12744.2	39000.7	34695.7	37114	33267.7	31218.7	TRUE
34331.1	26062.1	20418.3	41356.2	18854.3	14433.6	24156.6	34573.4	TRUE
46323	27022.3	50855.6	31845.7	44230.3	39339.8	35871.5	43997.9	TRUE
336167.9	243869.3	350863.9	345443.4	353579.2	368394.9	292797.1	357433.8	TRUE
128530.1	90023.5	106206.3	128641.4	140968.6	129439.2	100670.9	130916.5	TRUE
105306.6	96164.5	59277.8	71673.2	95473.2	103656.5	119085.2	132440.5	TRUE
98323.3	70385.2	89763.6	89270.9	107120.7	113888.2	104130.7	106579.3	TRUE
85577.6	73724.1	75307.9	70186.9	50841.4	60216.5	76704.2	69159.9	TRUE
308756.2	307809	285767.1	242663.5	249094.2	288547.3	329516	279559.7	TRUE
391427.8	355524.5	329193.5	310819.9	337602.9	321454	393726.8	322001.7	TRUE
1655911	1669057	1275843	1372892	1220536	1267138	1606925	1309583	TRUE
490368.2	549163	252955.6	397330.8	482482.8	249685.5	452148.2	465336.1	TRUE
142462	181319	75789.9	145759.1	147892.5	98140.3	152907.5	155501.9	TRUE
761861.2	844673.9	333654.4	556714.6	729736.4	373948.8	660114.6	753525.6	TRUE
561413.7	639824.4	346960.8	538679.4	632067.5	407802.8	623508.4	640401.8	TRUE
115003.9	113291.9	98829	130157.3	146512.1	81227.9	149389.9	143373.9	TRUE
96854.6	108075	77634.3	111012.8	142372.7	80075.5	136698.4	130439.2	TRUE
134426.3	138603.7	118930.1	163114.4	192707.9	132758.7	172953.9	181592.6	TRUE
121390	140312.8	93942.4	186486.2	202853.2	112779.4	189421.4	208784.9	TRUE
227076	240792.3	156137.2	231165.2	258711.2	193950.2	269025.6	289984.5	TRUE
53877	48268.2	52093.8	85269.5	76621.4	55712.2	79669.5	63846.8	TRUE
50113	141325.4	52118.8	94408.8	115907.2	38857.3	36573.4	43444.5	TRUE
529477.9	594914.4	746424.2	700660.6	396960.2	668693.5	742986.4	606584.8	TRUE

249791.5	309197.1	311232.6	343117.7	198711.1	295578.1	308792	266185.5	TRUE
177230.4	212437	184479.4	232831.9	176991.7	198740.1	198408.5	219645.8	TRUE
77574	110912.1	93047.7	81460.3	71760.4	87617.3	111634.7	78552.8	TRUE
165858.4	167904.1	197872.9	149625.3	139211.7	169634.3	177909.8	172715.9	TRUE
66919.6	81325.4	93665.3	76000.1	62004.9	61636.5	58413	63249.5	TRUE
60585.7	104806.3	93724.9	113765.2	87210.8	64955	44658.8	52466.8	TRUE
53176.2	59011.1	88106.6	51250.4	49147.8	77558.6	61448.7	68351.8	TRUE
8182.6	7971.2	11115	9580.4	7266	5394	7971.5	7922.1	TRUE
91711.6	212610.7	123477.3	160925.5	233890	40270	39451.4	54630.1	TRUE
82754	218175.3	104933.8	189089.6	217468.2	55026.4	56069.5	57111	TRUE
554390.2	479058.8	427389.3	444977.1	473202.4	410868.5	543732.9	521695.7	TRUE
182157.4	189474.7	115247.1	143276.3	136249.5	146162.9	166630.9	155376.6	TRUE
880045.5	533690.8	2254488	636807.3	447038.7	2310358	548176	504653.3	TRUE
205308.6	120482.1	427592.4	115566.6	102030.7	434188	123761.4	131310.8	TRUE
959906.3	690302.4	714670.3	740733.4	2101412	735702.3	638815	913923.8	TRUE
531570.3	288761.4	380614.5	396298.9	1383431	399774.8	323913.6	491877.3	TRUE
4496549	2536250	3058000	2703624	10487692	2638903	2541282	3022896	TRUE
48056.9	63299.7	53931.1	59531.1	52600.4	52016.6	49270.6	43289	TRUE
62244.8	45417	60187.3	49241.1	40063.8	50197.8	30018.3	55642.5	TRUE
62143.4	117926.6	164022.7	51416.7	61431.2	98984.4	72069	44944.4	TRUE
30716.7	6707.1	39062	11966.3	24919.5	50468.3	30365.9	34097.7	TRUE
89945.8	105387.5	133501.8	121403.5	146562.1	105757.3	47384.4	73053.2	TRUE
118748.2	95340	122513.7	133564.4	126330.1	106591.5	88583.4	86369.3	TRUE
176274.4	169627.5	207197.1	165051.1	162475.5	288302.8	205028.1	192085.5	TRUE
77295.7	71015.3	106371.7	96232.7	79529.4	104250.1	88160.3	99444.9	TRUE
78442.8	85468	173162.4	109275.2	89691.3	116174.6	95565.3	80922.9	TRUE
48132.2	32311.3	77039.6	65353.1	38812.1	112754.4	56563.3	48476.4	TRUE
84994.2	59947.9	66140.7	63685.8	83494.8	78216.4	83543.6	66120.6	TRUE
206366.4	138551.1	176666.3	175140.8	208502.8	214811.7	175873.2	223788.1	TRUE
170470.9	89267.9	82305.7	136849	337851.9	157479.3	109094.9	144706.3	TRUE
26320.9	11303.4	24731.8	6133	8979.2	42530.9	31518.4	29272	TRUE
56687.4	27428.5	45736.1	24790.9	31070.3	66917.6	36422	37145	TRUE
56190.7	39288.6	77118.7	57416	46831.6	115428.3	57307.3	64722.9	TRUE
80349.1	63908.3	94739.3	82312	84585.7	157350.7	108489.1	120909.1	TRUE
85880.4	32997.4	72006.5	53845	44523.1	150756	64435.6	53214.4	TRUE
66817.6	27909.5	45309.1	25832	28410	80848.6	47686.3	41368.5	TRUE
97589.7	76204.3	164591	105146.7	101997.4	249837.6	108842.2	111522.8	TRUE
181283.8	159082.9	325578.3	226420.7	139254.5	510201.3	232748.7	243979.6	TRUE
22862	9406.4	58783.2	14398.3	3282.3	98047.5	15411.4	12907.6	TRUE
215424.7	171521.8	152449.5	190381.4	623249.5	194623.9	189647.3	252887.8	TRUE
766763	667385.2	980400.3	687299.5	604685.9	1012236	624255.2	660034.2	TRUE

191711.4	164794.7	256389.6	200588.5	160192	273201	191203.8	173264	TRUE
591080.6	532560.9	672536.2	516945.3	473142.3	701056.9	563184.9	478441.3	TRUE
93610	66625.1	165785	61784	64084.6	150366	81938.4	66053.2	TRUE
1253733	850966.1	882177.5	861944.6	2740277	917418.7	761519.4	933717.6	TRUE
263772.7	169077.9	227682.8	225313.7	733279.9	233059.4	196456.7	251705.3	TRUE
409773.1	341284	419791.3	338832.1	691707.6	386659.2	334350.6	394471.6	TRUE
233418.7	209841.8	434209.2	243986.2	193096	453021	218225.7	211921.5	TRUE
182369.4	137496.6	158525.6	149046	379611.4	185931.1	160636.7	175071.1	TRUE
30474.8	8985.3	11210.2	21205.6	66645.2	38488.2	25020.1	35871.8	TRUE
72374.2	57746	52811.2	60788.9	55780.7	66463.8	61455.2	54269.8	TRUE
107319.2	131909.6	81455.9	101185.9	73902	83458.4	116543.5	79867.1	TRUE
85147.6	70293.9	74359.9	101805.7	81394.6	101759.3	108566.6	102119.3	TRUE
32821.4	27723.5	24495	24192.8	24277.9	38027.1	27928.1	37567.6	TRUE
260797.1	232439.7	175144.2	233363.5	200761.6	278265.6	276689.9	268724.7	TRUE
59937.1	48589.4	42718.4	60486.5	47849	74995.9	63799.8	74581.2	TRUE
105208.9	140202.6	124702.9	159567.2	95586.1	153816.1	147341.7	109253	TRUE
142098.3	121869.6	106819.1	126053.6	113940.2	150877.1	149079.5	117338.2	TRUE
156369	178306.5	194615.3	194847.7	255449.3	124737.9	136426.5	148827.9	TRUE
2580456	2269983	2795667	3062100	2119286	2987371	2899203	2319871	TRUE
134644	168875.8	92803.3	157002.3	194139.1	100317.1	175649	184660.2	TRUE
337274.4	300254	234307	186556.8	187391	217686.8	214615.5	207975.7	TRUE
389037.6	372027.5	424123.8	438308.7	359066	445012.8	404630.9	336359.7	TRUE
486443.6	503128.6	491911.8	521238.3	420485.9	534563	461901.4	423026.8	TRUE
147400.2	117187.7	109707.1	128357.4	112879.8	126035.3	136573.7	125944.2	TRUE
925570.2	711349.8	890023.8	819944	932316.1	876133.2	779391.3	789137.6	TRUE
1530244	1208685	1472928	1520412	1407812	1538931	1225505	1431875	TRUE
63697.7	38469.5	38072.1	60869.7	43945.9	70999.8	63919.6	74214.1	TRUE
361718	286681.2	342530	279270.5	208852.2	527918.5	390218.1	299887.1	TRUE
139175.1	82324.8	120608.4	131086.1	109839.5	127935.1	121348.2	155278.5	TRUE
627901.4	390734.1	616695.9	644070.7	909353.3	587121.3	534792.8	663353.3	TRUE
52633.6	44131.1	36838.6	55755	34172.7	47329.3	81161	56217.1	TRUE
36026.7	32415	22159.2	24696.7	33386.2	33862.1	40148.1	30661.8	TRUE
59736.5	57753.4	47569.7	50619.9	35051.9	53751.5	46364.1	41055	TRUE
52316.3	45844.9	31626.9	60569.7	63415.7	71156.5	65200.1	70458.9	TRUE
22233.1	19647	17065.5	23733	18782.2	9807	25898.7	8100.1	TRUE
112576.3	130636.5	102259.1	83383.4	110211.2	92882	118038.2	113535.1	TRUE
33180.7	30476.9	25967.6	12868	35572.9	27959.7	25726.7	32034.3	TRUE

103726.1	78151.4	53063.5	65314.4	76361.2	56279.4	81172.8	89536.7	TRUE
964340.9	865901.9	1026278	1301623	1469038	1132284	1305096	1359900	TRUE
2113148	2012893	2270553	2853859	3029737	2365787	2879827	3081840	TRUE
55238.2	108653.6	66644.3	77202.7	100857.6	43132.9	51384.9	42976.8	TRUE
76685.7	105658.7	75025.7	106496.6	94210.7	69185.7	103907.5	82227.6	TRUE
75266.2	83142.3	60465.9	103465.3	88148.2	49471.2	75337.8	80174.3	TRUE
40589.4	97859	57625.2	107621.1	119951	17399.8	21692.4	28470	TRUE
78711.9	95142.6	68837.9	101390.9	105761.4	56166.2	58482.2	70073.5	TRUE
26067.2	22957.1	23427.7	33921.3	27359.2	23361	34492.6	22602.9	TRUE
47286	77998.8	70697.6	81935.9	79327.2	52236	35283.8	49048.8	TRUE
30019.3	78486.3	69696.1	63678	78808.7	34717.1	12206.9	16054.4	TRUE
46452.2	27712.3	40155.8	43200.5	35305.2	48143.3	40620.7	43536.9	TRUE
215535.2	194412.5	245396.3	252990.6	323754.8	233663.7	273401.9	252273.4	TRUE
130337.6	128411	129944.1	119531.2	103919.8	160773.5	148466.1	95824.8	TRUE
165177.1	201390.5	181186.6	164993.5	186443.4	192150.1	208851.7	186023.5	TRUE
159080.6	158632	134806.2	171952.2	148184.2	163343	170387	168634.8	TRUE
157423.1	146970.6	154898	178335.3	169455	153640.9	161816.6	184133.2	TRUE
131691	115899.2	148066.7	158808.7	190370.1	149688.8	162618.3	182401.6	TRUE
47065	74204.5	52514.2	62014.4	76173.3	63700.1	78676.2	62509.1	TRUE
170672.3	177513.4	137833.1	182049.5	177814.6	116738.7	130283.1	130486.8	TRUE
389014	312116.7	428102	434005.7	372460.2	436078	410531.6	401647.3	TRUE
319953.1	310776	318769.2	379928.8	320878.8	379655	374202	355315.1	TRUE
19690.5	20218.6	11251.9	10167.6	21444.7	26203.6	10227.3	20007.3	TRUE
138981.1	114925.1	127489.2	165097.4	155108.7	121789	99601.9	114168.8	TRUE
140915.7	155823	130525.9	162357.4	153983.8	141330	172262	168718.5	TRUE
275210	256562.8	245416.5	227794.3	282786.6	231612.8	315498.9	253303.5	TRUE
84981.8	105079	78939	92361.9	123351.3	80983.7	99979.1	108539.9	TRUE
85260.5	73318	67700.2	70095.5	91191.8	66189.2	61092.5	78165.4	TRUE
134452.3	132942	98952.8	135490.6	141217.3	101527.1	118635.9	110892.2	TRUE
479072.7	408374.9	381396.4	379259.4	473058.6	363565.2	389123.1	480462.5	TRUE
92635.2	92525.9	99220.5	93266	95471.1	90414.7	103807.8	101512.5	TRUE
21199.3	31767	23875.6	25953	24970.8	23125.9	36409.4	28015.8	TRUE
28875.7	31013.4	20078.3	28716.9	22294.4	26778.2	34115.3	37753.7	TRUE
134642.8	165932.1	152720.3	166346.8	148233	158103.5	201031.3	142822.4	TRUE
154893.2	159045.6	197987.8	181207	119010.3	189431	209092.4	122294	TRUE
235217	217218.4	290447.6	216440.2	149763.9	318289.6	251474.6	163135.1	TRUE
195663.9	201224.9	246493.8	180836.7	140954.1	254855.1	194967.3	154494.6	TRUE
259465.8	247285.6	188693.7	241899	169865.4	249633	351076.8	227579.3	TRUE
188314.8	190835.4	149560.1	185063.6	142688.2	212746.8	224697.1	218123.6	TRUE
252881.7	172447.4	229234.6	278298.6	260316	279883	217391.6	295910.6	TRUE

28628.4	4512.8	16350.2	31441.3	21007.9	25141.4	29018.7	20175.9	TRUE
275111.8	279028	223243.8	224057.2	174251.7	259471.6	289720	245517.6	TRUE
221261	254511.1	252707.4	246716.3	238107.8	378694.2	295092.6	235359.6	TRUE
469343.4	481413	480003.5	479637.5	478277.8	736700.8	608309.5	474946.4	TRUE
255203.6	213082.8	253913.1	343743.1	298552.6	258246	280108.4	256200.6	TRUE
1045091	873952.3	1071602	1394916	1207136	1072459	1013851	969720.1	TRUE
47134.1	40825.1	66998.2	55241.3	47883.1	54189.3	51278.7	48979.1	TRUE
35589.5	23852.4	39191.7	41208.9	33886.8	25239.8	30579.5	12260.7	TRUE
16922.2	18039.4	25978.8	8146.7	16455.7	23589.5	18844.8	11133.7	TRUE
57542.6	61096.1	81907.8	111040.7	81478.1	96963.5	84379.8	82627.6	TRUE
32361.2	21115.1	32225.5	22249.4	27702.7	30721.7	32763.7	23985.8	TRUE
27870.8	30223.4	27777.7	25672.4	25099.7	27770.8	27240.1	21066.6	TRUE
89799.5	98845.6	88467.1	90728.6	79824.8	100293.8	86973.9	57655.9	TRUE
719977.6	675070.8	996590.1	639507.7	504724.4	1182432	766833.1	509508.1	TRUE
628161.9	682686	722568.4	598476.1	452832.8	777244.9	739663.6	438558.6	TRUE
3607790	3539518	3953238	3126821	2318725	4090781	3673420	2391258	TRUE
111932	86114.8	118751.9	109429.2	98132.9	135925.5	138826.8	96208.9	TRUE
183512.9	190188.1	176922.9	147573.7	137902.1	155314	167991.4	109792.4	TRUE
164395.4	155779.7	177197.6	149878.5	115748.2	153845.2	187804.1	151629.7	TRUE
893321.8	493088.6	1022622	954750.9	1120795	760948.9	630707.4	739371.5	TRUE
62573.4	29047.4	58786.4	35556.6	47131.9	35114.8	34136.6	44891.1	TRUE
57362.7	77188.9	55432.7	64650	55402.5	52984.9	66101.5	58009.6	TRUE
187983	188826.7	138303.6	168835.5	148280.9	142458.4	189517.7	158519.2	TRUE
156021.9	179318.2	116293.4	129053	153960.1	106193.2	164511.6	162674.4	TRUE
151933.6	174823.5	148494.2	132421.5	139181.7	147968	190861.2	141638	TRUE
148351.2	158864.5	154773.2	159535.4	134744.8	141839.9	132089.6	126895.8	TRUE
168091	157823.8	195682.3	192022.7	188246.1	205139.9	214071.4	191775.3	TRUE
200947.3	173867.9	147829.4	187340.2	174102.7	142040	198216	186967.3	TRUE
56666.1	55325.7	55443.6	63312.4	62022	59731.8	75153.7	59531.5	TRUE
47576.7	41760.1	42906.4	45816.7	60065.9	55507.1	60697.6	43912.7	TRUE
193180.3	248645.9	162564.3	237277.1	269578.5	216230.2	241478.1	260034.4	TRUE
86099.5	87910.7	97711.8	109868.1	89528.5	74322	113265.4	107204	TRUE
109927.2	104442.7	87440.1	132634.2	116585	119792.1	131238	135201.3	TRUE
142952.8	137745.1	130118	149451.3	158950.1	157395.9	127102	162706.7	TRUE
154564.8	142983.6	184755.3	175113.7	202539.9	167620.3	147681.5	156917.4	TRUE
55704	67098.3	36605.3	33733.6	53230.8	45583.9	48479.6	52899.9	TRUE
165881.4	214357.8	143972.2	162369	206604	167196.9	236889.2	224315.3	TRUE
79123.9	76670.4	60335.8	70759.5	117356.9	74617.4	88375.6	104255	TRUE
47595.1	45975.1	64034.8	89039.7	52558	60744.7	63801.5	48459.4	TRUE
92083.9	112430.7	112685.7	110579.6	92554.5	89570.9	104165.2	89181.7	TRUE
738939.4	939693	984208.1	1023869	582051.6	764587.7	935459.6	699407.8	TRUE
130644.2	152051.6	97290.9	127292.7	136820.3	112296.6	126610	121861.7	TRUE
192811.7	230358.8	134787.4	158770.9	219794.8	124420.3	225733.6	196809.1	TRUE
107429.3	128496.9	66370.5	111958.4	118732.7	91861.3	100841.4	103412.9	TRUE
372863.5	426338.1	433448	446844.4	427487.6	449526	508492.7	439063.9	TRUE
158986.2	192703.1	150029.5	201801	254580.2	190726.6	204415.2	223336.3	TRUE
74613.5	121019.8	77825.2	100731.3	120761	54218.1	53975.5	69842.9	TRUE
32899	47638.1	30174.6	35808.1	39807.8	18028	33959.1	29077.5	TRUE
512757.9	457323.2	534419.2	522574.9	551411.7	476737.3	505471.4	471073.7	TRUE

558377.7	561641.2	686210.7	714005.2	618002.8	584800.6	626312.9	573781.9	TRUE
57675.6	76470.3	70802.5	95432.1	67186.8	52937.2	35629.4	29670.5	TRUE
52581.8	82132.4	85114.6	96206	68106.8	55369.4	39419.1	64344.7	TRUE
44198.5	43963.9	46602	56221.3	57017.5	60282.9	56594	60468	TRUE
143411.8	164275.2	145130.5	159518.6	164097.6	164139.8	148019.5	143953.6	TRUE
106504.6	97427.3	77677.8	102276.6	91352.9	72046.5	111445.3	110477.7	TRUE
2209793	1893664	1948171	1962207	4268415	2146958	1965088	4520803	TRUE
188553.9	203369.1	181370.9	210597.9	212998.8	226817	212135.6	229880.8	TRUE
62037.9	59867	67076.7	56739.3	77320	66945.3	63389.8	70944.3	TRUE
62140.3	147766.5	80555.7	126109.4	167687.5	35843.7	46294.4	55642.4	TRUE
193313	199825.3	219050.3	227667.8	189117	225523.1	250072.5	239419	TRUE
132291.4	144172.9	120947.2	150441.3	105976.2	162442.4	161607.5	157634.9	TRUE

56774.2	100629.4	65424.8	82984.4	69196	51563.5	67585.3	71207.6	TRUE
199758.5	186920	148823.2	175519.1	194726.6	159234.9	226481	225400.5	TRUE
50319.9	61275	42845	71075	50029.7	38371	58514.1	57210.7	TRUE
63861.9	55961.1	58053.6	66287.9	79812.6	40088.1	59691.3	53899.4	TRUE
420334.9	388406.8	344210.4	394055.7	383600	342770.5	401156.8	411416.9	TRUE
251418.6	258406.9	228266.6	231812.8	240144.4	231734.4	244168	271602.2	TRUE

63659.9	68056.6	59707.5	87217.2	66228.3	68652.3	65788.7	104792.9	TRUE
12583.6	14105	8109.6	12311.1	29625.6	22181.1	32534.8	35701.9	TRUE
39561.6	11439.1	29471.3	42508.7	31983.3	40161.2	35493	51015.8	TRUE
316296.5	217118.1	174833.3	285991.7	271755.2	257763.8	313375	345186.4	TRUE
629913.5	562998.1	403407.3	578077	459155.6	570930.9	680927.3	687266.8	TRUE
181795.4	221440.2	168138.4	256760.5	183061.6	189421.6	191134.5	207511.3	TRUE
136921.3	195819.6	191991.1	219607.3	217414.2	174592.8	131320.5	124031.6	TRUE
170013.3	169516.6	145272.8	176664.8	175538.2	166854.5	150028	151821.9	TRUE
751189.8	689912.5	526422.2	688399	723815.3	606334.3	780772.1	826444.5	TRUE
114877.6	100031.1	89534.7	110117.3	89500.8	128440.2	129684.7	134346.4	TRUE
1393851	1272041	950589.3	1480051	1426465	1015544	1235599	1190400	TRUE
141429.6	171099.8	114494	154493	145453.4	110142.4	159135.9	163897.5	TRUE

204235.4	360762.6	263619.7	371057.8	337186.2	133672.5	139058.5	172313.2	TRUE
211350.4	236360.9	176088.1	231369.7	110280.8	146525	164218.3	162477	TRUE
2023079	1801027	1437723	1733325	1432856	1774240	1951975	2137594	TRUE
143019.1	131054.1	166470.4	202494.1	179182.1	193998.9	177110.5	209256.5	TRUE
93822	96900.6	107433.6	119998.9	107537.1	93511.5	93037.5	87576	TRUE
223182	276386.6	116738.8	120274.7	196379.7	110328	159161.7	186775.7	TRUE
52861.2	62824.1	45680.9	47631.9	72375.9	35686.7	57370.6	77490.9	TRUE
143451.2	164848.8	137552.5	174538	101717	147431.4	178091.4	120913.4	TRUE
875479.1	878294.7	717035.8	820622.3	1038835	696073.6	955539.4	901163.4	TRUE

26946.3	22484.7	21051.2	18159.9	19278.2	17854.7	18516.3	20565.8	TRUE
6058.1	18415.1	19585.2	7615.5	5793.7	11891.2	9299.6	19751.1	TRUE
60328.4	51389.8	75722.1	42280.6	66637.2	86528.8	80097.5	93150.3	TRUE
120527.1	135182.2	162360.2	95589.5	134699.7	159619.3	119751.4	118264.1	TRUE
270496.5	316736.5	353159.7	166320.3	283866	489616	310065	410046.7	TRUE
263773.6	439525.9	224429.8	323885.7	378861.4	179721.3	300266.7	194657.8	TRUE
110377.4	109832.2	93015	75026.4	96818.3	85728.1	103635.1	101279.4	TRUE
39745.5	26224.9	15952.5	43463.2	28875	32364.7	35344.4	36111.8	TRUE
32897.5	45132.5	28357.4	36643.1	36121.8	50152.6	53361.3	56364.2	TRUE
44891.6	41609.8	43620.7	40745.3	32982.7	34202.4	41890.4	31527.6	TRUE
62832.1	80624.1	69570.9	68435.5	69779	51479.2	45641.1	62683.4	TRUE
56936.8	40263.6	28434.1	35363.5	28986.8	41366.6	44953.1	44159.9	TRUE
71994.3	73277.8	80777.6	81190.9	79641.6	92627.2	93024.9	70900.3	TRUE
218452.8	201227.3	177573.9	226330.4	230347.8	196538.3	202093.6	204483.1	TRUE
566763.1	484870.4	485844.3	623479.4	596396.3	501414.4	531254.8	576426.8	TRUE
232227.8	200771.6	220839	182021.6	235887.6	213427.2	198127.8	222723.9	TRUE
264146	247936.4	290493.7	247011.1	289011.9	321668.7	301198.6	297337.7	TRUE
356330.3	338454.9	339189.1	328151.5	355801.4	364198.3	360427.1	347884.2	TRUE
376320.2	339586.4	363565.4	368695	329931.4	374870.9	400676.9	351160.9	TRUE
28572.5	62167.8	95912.5	41491.8	40904.9	25483.2	21729.9	28980.3	TRUE
1061342	970658.9	840860	974518.6	1079737	893331	1022605	1198864	TRUE
273080.5	269371.9	226883.8	286420.9	226711.6	247569	265435	251944.5	TRUE
241530	219039.4	238603.7	280470.1	282852.2	248246.7	257485.6	271031.8	TRUE
165253.2	146049	184104.7	283824.4	227724	200937.3	227145	238707.9	TRUE
265485.8	200976.1	271301.1	220937.5	234679.5	297524.1	231426.5	271871.2	TRUE
169178.3	104132.2	95145.3	111194.6	100314.6	97272.8	98415.4	106558.1	TRUE
96492.4	50117.1	59020.6	89621.8	69970.4	102174.3	66369.6	95646.3	TRUE
162288.3	138485	119968.2	105768.5	110797.9	137661.6	157157	182765.9	TRUE
45199.3	50640.9	48471.6	50417.3	57209.4	64875.9	55325.6	64646.8	TRUE
70887.1	57995.7	51547.7	42892.1	100395.7	68615.2	66616.3	101184.5	TRUE
28889.9	29327.7	36170.7	38640.6	50154.9	34181	35803.7	31647.1	TRUE
711227.5	705289.9	576471.5	669702.6	683794.3	622655.9	689105.6	711631	TRUE
343402.7	290183.9	371686.7	351478.4	334133.1	370029.4	346063.9	331706.6	TRUE
785333.3	954450.7	807070.7	784399.6	795066.8	754928.6	760824	800389.6	TRUE
300203.1	336672.5	288364.6	296909.2	209246.4	274897	221183.3	235863.2	TRUE
364213.2	390420.3	370510.8	401337.7	440694.6	362487.2	361375.9	361959.5	TRUE
350098.7	318095.8	407602.5	429910.2	350147.6	440549.7	398643.3	347518.9	TRUE
442393.3	505997	449784.8	486196.8	455359.5	490679.9	591989.4	491518.8	TRUE
190810.2	185046.4	208724.7	163761.9	156607.3	200415.6	175855.3	171452.8	TRUE
152679.6	105168.4	92400.3	126918.7	126914	141629	131454.7	175977.6	TRUE
102346.2	71287	57998.2	108605.1	73709.4	98054.6	103754.3	150542.4	TRUE
268673	215950.9	186785.7	264995.4	261875.2	245233.4	278844	346671.5	TRUE
119156.5	92977.2	70630.1	120992.4	122757.5	100010.7	127072.6	163722.9	TRUE

405008.9	330590.4	294232.8	364505.8	335219.5	434536	442698.3	424384.7	TRUE
180000.7	173819.3	155625.6	191119.1	160412.2	206737.8	188940.7	241479.8	TRUE
183069.8	195303.1	143415.4	198838.8	189080	224916.2	188341.4	228561.4	TRUE
30222.3	27844	21684.6	33155.1	24510.4	31014.3	32608.2	11089.3	TRUE
86276.6	79549	79371.6	106274.7	78674.5	70252.1	66684.1	82758.3	TRUE
55388	64466.4	76999	62448.4	54979.7	46093.5	66752.4	53889	TRUE
174452.2	187526.9	143255.7	198653.9	151038.8	186055.6	207442.8	202486.2	TRUE
33849.5	73638.3	110923.1	54214.2	63230.2	51783.8	44930.4	47480.4	TRUE
68843.2	57307.7	61407.9	64980.7	46187.8	70997.8	74268.2	68641.7	TRUE
56524.2	43598.5	51203.1	44857	49888.8	47991.5	47495.4	54018.4	TRUE
369085.7	525384.7	267574.5	307283.9	278153.4	280367.4	296516.3	366337.7	TRUE
244865.7	308065.2	271693.5	284450.3	237099.8	311503	334799.8	234497.8	TRUE
378306.7	298093	499684.2	493292.4	328527.3	367010.7	339147.2	344466.6	TRUE
712807.2	566719.3	874326.2	954669.9	596500.9	763866.3	642150.8	632195.7	TRUE
22926.9	39078.9	22120.5	41716	23554.6	31615.8	28296.6	16731	TRUE
240995.6	221135.4	275153.4	285828.1	200355.9	392540.1	229754.1	214495.2	TRUE
79326	79678.7	48505.5	73214.7	57962.6	66926.3	118282.3	72458.1	TRUE
103822.5	103879.9	57246	106368.3	69685.8	81057	140886.9	101083.9	TRUE
198701	126077.5	174929.6	220505.2	189659.3	188288.6	159239	227788.3	TRUE
466241.5	345647.1	532019.6	608525.1	350083	496307.4	397502.6	523684	TRUE
201235.2	164230.3	216427.6	246007	153921.5	224075.6	194086.9	222306.7	TRUE
78362.2	59088.2	50246	64271.5	72575.1	81725.4	101069.5	89152.9	TRUE
194970.4	132911.1	190547.8	250644.6	152595.7	225177.2	224842.7	217731.7	TRUE
58472.4	62643.1	51783.7	72199.4	50626.2	57656.2	67183.7	74881.3	TRUE
167034.2	124390.8	229717.2	272822.1	138899.7	191523.3	187097.6	217402	TRUE
496876.2	503519.9	338327.9	420490.3	378628.4	355340.8	437932.7	380103	TRUE
906253.5	862906.1	888608.8	944327.3	743293.8	832495.1	782817.5	793170.9	TRUE
647558.9	505417	712816.9	652715.9	518674.2	646822.7	495140.8	640833.8	TRUE
341868.3	275821.2	376658.9	371610.5	295386.2	309193	265475.8	343876.5	TRUE
2620048	2374735	2032129	2369695	2224843	2429537	2475132	2405783	TRUE
201517.7	183206.5	172036.2	184496.3	179394.9	228325	205661.1	213492.9	TRUE
114260.9	335578.6	175717.3	332923.5	361179	52492.3	56067.5	69793.6	TRUE
13140655	11499461	10998626	12285273	11584240	12405951	12277331	13110401	TRUE
454140.2	420318.1	423231.4	431469.7	438056.7	453495.2	464114.9	459575.4	TRUE
1332474	1138228	1209768	1281427	1177461	1306357	1159336	1283335	TRUE

91965.3	116540	62199.3	67100.8	79974.9	70222.9	112892.2	82568.9	TRUE
193263.7	156928.6	313668	302435.5	150818	178541	163021	189530.9	TRUE
429452.4	378544.4	537391.4	559492.1	368751.9	393151.8	387486	387624.5	TRUE
55869.2	77380.8	62659.9	78003.1	75226.1	53442.5	62745.2	68742.2	TRUE
205715	234184.2	182865.4	254082.9	227173.8	175756.6	241693.7	273874.3	TRUE
272203.5	276408.7	200411.8	294329.5	286085.9	214274.2	322136.5	305761.1	TRUE
252584.8	273486.9	174805.1	280813.1	300113.8	195992.9	299041.6	292656.3	TRUE
91644.2	82391.3	64832.4	89210	103616.2	63117.7	109824.1	107759.4	TRUE
39102.3	47308.8	37826.9	31024.9	46014.7	20543.8	41376.1	37158.6	TRUE
37712.9	30764.5	38887.2	25623.5	42658.4	30794.9	44305.7	32834.3	TRUE
66951.6	110745.1	70673	94544	76973.8	54850.5	64424.9	56303	TRUE
30468.2	44120.5	27686.9	32221.7	47219.2	14873.3	12950.4	10936.9	TRUE
19460.3	4755.1	7251.4	9888.3	13824.9	10909.6	11949	12338.5	TRUE
232606.9	227020.2	182508.9	216460.2	226120.8	257059.5	241313.4	266936.5	TRUE
255807.3	173061.3	179083.6	238265.6	230662.9	234143.6	276716.3	264791.7	TRUE
41100.3	23161.4	9856.5	31507.5	19364.8	44873.8	45618.7	46154.6	TRUE
70538.1	73422.4	54590.8	88723.7	67060	61204.3	86822.4	79791.4	TRUE
78648	43975.2	73049.4	62691.2	43347.6	64730.2	49886.8	61504.3	TRUE
204952.3	259073	158349	193870.9	175815.2	155975.7	225780.3	182218.6	TRUE
356154.3	422955.7	588801.2	379132.6	336338	303629.4	338829.1	356458	TRUE
104997.8	103731.5	111272.1	115693	109730.4	108707.2	91665.7	105075.3	TRUE
184463	184771.6	156386.6	186727.3	166731.3	181018.3	150558.4	180632.1	TRUE
135887.9	125073.2	127730.8	124924.3	118864.9	148773.1	168427.8	142901.5	TRUE
404223.4	366243	394023.7	398680.1	385523	435845.8	399722	442017.1	TRUE
339408.6	333931.7	241289.2	308013.8	372204.2	307591.7	366041.4	331242.4	TRUE
136114.7	147380.2	135014.5	163613.2	152549	145116.8	192165.3	182059.2	TRUE
92792.7	82519	102567.7	144808.7	117211.2	125553.1	130264.3	151889.6	TRUE
70086.3	79781.9	80100.7	108393	109739.3	86145.4	94583.1	117208.2	TRUE
327385.8	401154.3	403279.9	387110.7	377204.6	381677.2	402658.2	410644	TRUE
282757.4	233328.7	289378.1	345652	284053	333988.9	299801.2	355442	TRUE
53463.5	55244.8	50235.6	50272.4	55352.7	76676.8	66069.7	66068.8	TRUE
366398.9	382903.4	289893.5	366015.7	395236	315100.8	409458.6	360530.6	TRUE
303707	261069.5	307306.1	340582	265438.5	269430.4	286778.6	269924.3	TRUE
542733.3	441252.9	538905	509663.6	543477	493838.6	471930.1	476467.1	TRUE
325214	369701.8	297832.9	304973.8	405105.3	304791.1	409275.4	389040.6	TRUE
103147.6	83691.4	75939.5	85626.4	93682	99064.9	83293.5	94562	TRUE
70453	105192.6	82214.7	86817.5	78389.3	89729.6	85568.4	79551.2	TRUE
35027.4	13973.7	37404.9	39339.7	39741.7	46372.8	46676.4	27796.3	TRUE
99041.6	107304.6	95588.8	137344.4	129625.1	100021.8	97947.7	94536.5	TRUE
158845.4	150459.4	96825	160907.3	144938.3	145181.5	163876.4	142400.7	TRUE
172408.5	173104.9	168650.4	185097.1	179081.9	180574.7	202586.4	191817.8	TRUE
37124.1	48854.7	39778.6	50030.5	61813.2	48074.1	67208.3	63611.1	TRUE
61443.3	48389	53125.1	71281.1	63365.6	58183.1	62940.9	56409.2	TRUE
63955.3	69114.5	58594.8	62342.5	61187.3	74813.3	69873.9	91358.1	TRUE
64597.1	72530.4	54888.5	52682	55347	56409.4	74199.5	78986.8	TRUE

92202.7	91315.7	94064.6	92748.5	88531.6	96119	89128.8	93171.2	TRUE
68100.3	67720	67997.1	51878.8	59620	72997	54494	57591.6	TRUE
219381.4	209784.1	212269.5	247404.1	217501.2	228268.4	238163.6	244620	TRUE
486754.7	442972.7	369186.7	505536.6	428495.3	392054.8	446808.1	430624.7	TRUE
181297.2	170127.6	199629.6	221926.7	178207.1	190742.6	169677.1	190544.2	TRUE
187808.3	157994.1	147618.3	199217.5	193344.9	203400.6	178093.1	192443.6	TRUE
52325.4	55746.7	49432.3	56434.2	70204.6	51970.5	64806.7	60054.2	TRUE
54207.3	48008.2	62738	70218.1	68674	67739.5	58159.2	68117.7	TRUE
292361.6	277377.3	297200.3	313234.6	289445.4	359331.6	318979.1	345729.6	TRUE
20273.7	18495.9	9217.8	24826.9	8429.9	8533.2	9561.8	30078.5	TRUE
354307.1	328367.2	296267.8	275050	345227.2	325125.4	287130.4	355768.2	TRUE
1047982	654587.8	785000.3	819785.4	1118706	1073217	736197.7	1023082	TRUE
76903.1	70159.4	99986.1	74023.5	70858.1	101024.1	69289	49417	TRUE
271161.7	189967	300752.9	242907.9	200508	339913.6	244258.4	216019.5	TRUE
154108.1	133090.1	184381.6	142493.7	141311.4	172963.6	148090.5	130361.5	TRUE
60829.7	47692.6	106439.8	92314.2	72755.9	108955.1	80785.7	84303.1	TRUE
37095.8	26004.3	36110.6	28406.2	24301.6	40032.9	31877.1	33455.6	TRUE
43898.6	66115.3	68490	70239.9	84816.7	41081.6	34621.6	30633.5	TRUE
79342.3	59078.2	76522.9	99456.2	108628	89060.9	102427.2	87363.7	TRUE
82219.8	74822.2	69439	83814.6	61143.4	76035.3	57030.7	87442.2	TRUE
63352	48326.1	65382.4	60830.9	62705.1	72663.5	51982.9	50302	TRUE
33563.3	26106.9	35236.7	29769.8	22956.8	45533.1	41296.5	31940.9	TRUE
102056.1	85930.9	93990.7	130273.4	98885.2	109218.6	104563.5	112006	TRUE
88988.8	77704.7	79432.1	79263.5	107061	114338.5	78374.4	95041.6	TRUE
348724.7	320453.5	433339.5	368484.6	277625.3	477303	325338	245520.4	TRUE
434143.4	329472.9	538308.1	346643.1	237865.8	527081.1	266896.9	246121.6	TRUE
495896.2	319657.7	718566.6	665703.4	485168.4	806123.9	495554.5	491857.1	TRUE
254908.5	194483.2	397684	341782	263895.8	427630.1	248842.5	225174.2	TRUE
130989.8	111889.4	99360	126283.5	148213	137998.6	127562.5	144625.9	TRUE
250587	170054.9	200190.5	161807.7	155659.4	188617.3	157797.8	203565.2	TRUE
350390	350352.1	308583.3	292252.4	284788.6	364871.6	277707.3	279187.3	TRUE
178339	129850.7	179789.3	166942.8	165464	203542.2	135719.2	169885.8	TRUE
367167.5	327660.3	270539.2	301747.4	349795	424310.8	338749.6	432782.2	TRUE
574456	418991	429276.6	477941.4	497489.1	480288.3	407973.8	516050.7	TRUE
129114.4	121637.9	167335.6	162532.3	142705.6	154105	127548.2	162989.7	TRUE
71507.5	122592.5	83710	105785.3	99797.5	67965.6	74887.6	71845	TRUE
29757.5	34917.7	36889.3	41844.9	42592.1	48408.7	41114.3	53300.1	TRUE
122955.6	113623.5	79874.3	103916.6	96538.6	119463.8	120749.7	129699.7	TRUE
71220.5	58069.9	71279.7	54621.4	75749.9	77468.8	75356.9	75436.3	TRUE

195149.9	134928.7	290083	244975.2	172573.7	305494.2	147583.2	206792	TRUE
25116.7	22175.9	31851	33561	22764.1	25249.9	30747.7	33171.4	TRUE
24373.5	25020.1	25826.2	30334.5	25803.2	28505.9	23661.6	25161.6	TRUE
83094.7	68702.7	77889.7	75430.5	66910.6	69770.9	64215.7	77163.3	TRUE
265678	236347.6	229001.5	233629.8	214112.8	234104.9	198456	210284.4	TRUE
289185.3	252645.4	325488.4	359419.6	304410.4	364261.1	288172.7	312775.3	TRUE
518734.8	438774.3	497216.2	489534.4	497738.4	564162.2	499053.6	551430.7	TRUE
78248.8	58878.8	53980.5	80065.7	44737.3	88266.9	78961.7	80730.4	TRUE
61778	52328.5	41077.7	80812	35107.6	67738.5	67564.4	76620.8	TRUE
33859.7	33119.8	26032.2	47653.2	26306.9	51290	46950.9	35459.1	TRUE
68955.2	58294.8	79656.1	58090.1	57536.9	89347	75076.3	62201.4	TRUE
36787.6	40986	35778.5	41945.6	36540.5	45933.5	39496	39841.8	TRUE
89863.7	75031.9	104884.4	91919	89180.4	118938.4	84014.1	108155.7	TRUE
61714.7	59212.5	58431.6	72089.3	47811.2	78037.8	78252.9	58352.6	TRUE
471546.2	423938.3	377633.6	401082.9	315367.6	364592.7	356690.2	318717.2	TRUE
148922.4	127052.1	173909.9	220884.9	161760.9	171928.5	178124.6	166258.2	TRUE
421273.1	455854.2	491368	563151.7	433899.3	482693.5	610866.8	462699.8	TRUE
77261.2	101032.1	81941.1	142406.6	137678	61671.5	52836.5	87150.3	TRUE
395028.6	316652.9	396451.8	405513.7	410941.4	440710.9	341247.5	406218.8	TRUE
1364049	1050187	1227971	1301608	1393038	1561821	1156997	1502566	TRUE
188350.9	162530.6	195548.6	203234.5	191395.8	252048.9	196312.3	265674.1	TRUE
35716.1	34035.2	28464.1	50281	26662.9	33699.6	42741.6	29464.3	TRUE
10667.9	12915.4	16813.8	25908.9	23001.9	39595.6	27891.5	28975.8	TRUE
25768.6	10062.8	17673.4	37235.4	8823.8	39288.5	35005.8	34608.2	TRUE
67916.9	36232.9	59410.9	41165.6	54730.3	91687.6	52139.4	80811.3	TRUE
31829.4	11810.5	41211.7	18289.3	26578.7	44026.2	10787.2	12349.7	TRUE
32701	26275.2	25478.2	32140.1	48948.2	29682.6	40409.8	42150.1	TRUE
18746.9	37433.5	28098.9	30800.6	37620.5	35019.4	14996.3	37687.8	TRUE
43271.1	46551.8	40653.4	50827	50060.1	40905.5	37667.1	57062	TRUE
767340.8	643682	729147.7	764016.8	762226.3	739159.5	667779.6	735553.7	TRUE
228186	182668.8	229910.7	234699	174669.4	204128.1	172028.7	176772	TRUE
268286.8	221496.8	238759.5	269042.8	290206.5	319159.8	218251.9	292885.8	TRUE
704545.4	667677.1	587123.3	558765.2	670906.3	749441.8	608657.7	734805.6	TRUE
197208.6	163962.8	134739.1	183989.6	134027.3	248102.7	218684.9	197103.4	TRUE
95281.5	82381.8	77917.5	101508.9	109972.5	124127.5	102985	116023.3	TRUE
30417	20622.4	16975.2	10384.7	25657.6	33035.8	28715.3	34219.1	TRUE
488884.8	412564.2	339221.2	440791.9	425181.8	581863.7	537809.6	716613.2	TRUE

427984.3	350381.4	436070.6	574859.2	482379.4	401074.6	373545.8	430099.7	TRUE
1221021	927067.4	1141770	1429506	1358380	1205413	1053856	1363096	TRUE
82011.7	67577	80708.4	112147.5	91611	86914.9	93647	97017.9	TRUE
137486.9	147617.6	140339.1	140874.1	147255.3	92202.3	117190.6	139729.3	TRUE
428104.2	335585.3	309912.1	387277.5	344523.7	325423.5	332739.1	349610.9	TRUE
493007.9	502721.6	404541.3	446861.3	447698.9	411576.6	440947.3	401286.4	TRUE
103962.2	92466.7	138238.2	139391.9	117584.8	127969.5	114789.6	110208	TRUE
337547.2	270491.4	329058.1	300077	354927.9	361137.4	304649.1	346098.5	TRUE
1001818	836155.3	809095.7	1103095	871868.6	846100.5	961350.3	854734.2	TRUE
1055453	921594.7	1076149	1013322	860252.2	1172893	917114	1090063	TRUE
1318059	1143359	1279472	1206672	1184958	1284397	1058045	1314791	TRUE
207594.9	216987.4	183082.6	226269.3	196406.5	215422.3	203273.5	222289.8	TRUE
746796.6	625960.2	641144.6	698340.6	708981.6	856817.9	715275.6	750603.3	TRUE
275172.6	221460.5	126317.7	459606.4	208985.7	227633	268901.9	264688.1	TRUE
186457	141177	129315.1	165482.8	175393.6	195517.9	197931.8	210188.3	TRUE
642386.5	495371.2	521769.2	649218.6	455053.3	1374245	534585.9	1291552	TRUE
576068.4	379836.4	309543.3	432584.3	469355.5	533328.7	566981.1	620195.7	TRUE
46253.4	28870.6	36338.9	38966.4	47844.6	57527.8	50551.4	61201.1	TRUE
70326.2	45561.6	45856.7	50413.7	58258	58206.8	73553.5	76821.2	TRUE
220941	237462.2	163976.6	172296.3	237015.7	182319	270665.7	207261.7	TRUE
847954.8	946005.2	565806.8	547781.2	701672.2	508609.2	761845.5	722472.7	TRUE
237530.2	237462	136291.4	160812.3	196293	138496	171940.3	187948.2	TRUE
610874	617619.4	309126.4	353699.5	448082.2	322281.6	466206.9	430910.5	TRUE
916530.7	836413.9	710646.7	885973.5	1014684	750749.4	1001454	965723.7	TRUE
340431.5	409830.2	276663.5	381027	375236.3	322461.4	453166.6	398016.2	TRUE
416681.5	422189.8	514545.6	513948.4	312786.3	433428.7	479743.4	419998.7	TRUE
42924	74026.7	82028.9	100180.3	67064.8	41941.9	40845	44290.1	TRUE
9525.1	18856.5	7691.5	15759.1	14444.2	9395.3	18910.5	10503	TRUE
89343.9	97542.6	67387.5	71489.6	91547.4	58631.4	86668.5	79319.7	TRUE
361471.1	391862.7	249671.6	302982.6	353018.8	249114.3	351425.8	333300	TRUE
279187.5	256329.4	259011.5	316978.9	314576.5	258981.3	321046.1	324097.3	TRUE
317341.2	289154.3	377988.1	376257.2	272566	348856.4	355918.7	309259.2	TRUE
559612	646532.8	727166.3	690876.1	538404.2	605757.1	716922.9	648659.1	TRUE
34715	37432.2	26393.2	9838.2	22946.9	33480.5	36145.4	28068.2	TRUE
68659.8	79485.1	73385.9	74322.2	84513.6	96130.7	60389.5	99917.3	TRUE
119331.9	135387	104345.2	100325.6	66458.4	111546.8	144389.1	88706.8	TRUE
81550.6	88380.9	74207.2	111039.9	81683.2	90194.3	100204.6	75136.8	TRUE
118943.2	112372.7	113472.2	124793.4	147267.7	118427.6	126609.3	139291.1	TRUE
2330023	2348224	2098472	2287616	2462303	2139817	2675498	2358329	TRUE
1119191	1214400	1043982	978380.8	1404149	1020127	1294236	1314424	TRUE
257135.9	286598	222709.7	222059.6	323078	238193.2	330607.9	360030.9	TRUE

2859103	3387367	3241696	3284424	2729649	2481141	3649047	2709948	TRUE
64173.8	71402.3	57175.2	62255.3	62050.8	60958.4	75298.8	59899.8	TRUE
103328.9	146930.5	133658.1	154851.5	111544.5	79607.8	171888.4	113490.3	TRUE
1114593	1134775	809592.2	1048251	1108546	874435.5	1182634	1126407	TRUE
138490.8	151757.4	120064.6	136962.9	181846.3	138285.3	153595.2	154781.4	TRUE
350620.1	345009.7	303714.8	352840.6	376170.6	331651.4	392400.4	396993.7	TRUE
69986.2	56622.5	64197.8	60894.2	55665	61896.5	66829.8	76312.1	TRUE
48038.2	38899.4	37712.9	52592.6	50619.4	43166.7	58311.1	62809.3	TRUE
91268.8	76169.6	56238	69885.6	93574.4	95299.9	77167.7	106701.6	TRUE
69442.6	60428.4	55039.9	53226	54329.6	81159	93928.8	72520.3	TRUE
27005.7	32131.3	35836.4	27062.6	36380.1	34575.1	47592.8	38799.1	TRUE
157480.5	147888	102875.6	152132.9	144349.3	144524.3	161041.7	174156.5	TRUE
91552.7	104739	60669.9	101059.5	93976.2	88914.6	126902.5	131554.7	TRUE
451435.1	379669.7	392206.6	511342.5	345306.9	414584.9	439912.2	439500.3	TRUE
181757.3	177335.9	181147.4	213364.8	167933.3	267147	221495.3	246789.4	TRUE
3044542	2649034	2611398	3425109	2184721	3154208	3382037	3231451	TRUE
12361	17713.5	9018.1	13947.1	23766.7	22546.8	14634.2	27150.6	TRUE
165893.1	179733.8	203096.6	196396.7	199433.7	184333.8	203729.2	182812	TRUE
194652.3	191558.9	190232.1	205309.5	195753.3	191610.9	231870.5	247523	TRUE
123026.9	143729.9	141835.7	132178	97426.1	109455.2	141367.1	119584.1	TRUE
427802.8	471259.8	360725.2	439093.8	541481.1	434195.7	489269.6	529098.7	TRUE
76404.7	89295.4	67840.4	95324.8	88097.5	87298.2	84621.3	97731.4	TRUE
101390.4	111688.8	97120.4	117702.6	109137.6	104552.8	105783.7	119746.7	TRUE
203398.8	207612.9	236101.1	256979	237142.1	200881.1	223546	209922.5	TRUE
59228.2	56153	70541.4	68791.6	46477.8	81949.2	50258.7	65166.7	TRUE
68305.2	88204	56766.3	55194.8	79088	61026.3	86837.5	77248.6	TRUE
191370.2	156481.1	144552.9	132892.9	197546	156421.7	199602.8	197003.8	TRUE
362205.5	364329	249458.9	335372.9	354507	300103.8	358255.9	335863	TRUE
548238.5	478817.2	598240.3	626572	488243.9	497067.7	546929.9	467332.8	TRUE
24403.4	31301.9	4650.5	25911.2	28670.2	7591.2	13019.3	26529.2	TRUE
19647	32413.3	8474.2	30345.9	5473.1	10846	31379.7	11386.2	TRUE
457124.9	812621.6	619356.1	622116.3	227527	444127	851029.5	408780.2	TRUE
209591.3	204201.3	207073.1	211722	220284.8	199259.6	231310.1	190633.1	TRUE
79884.1	70708.5	64798.1	73018.3	69040.9	80896.6	93909.4	86192.4	TRUE
1003063	847090.9	979259.6	988118.9	833992.8	1244800	1219098	1247333	TRUE

1828178	1926553	1631183	1972731	1515960	1857070	1736122	1728060	TRUE
443369.3	318792.7	430734.3	444477.4	351097.7	424456.2	356586.6	425902.2	TRUE
809356.1	928489	630561.1	810271.8	705263.5	659771.2	954147.1	663929.4	TRUE
312795.9	345157.3	214695.3	304458	241443.6	245007.3	295437.8	234705.9	TRUE
320226.9	382387.3	316083.5	311899.4	288169.7	329603.3	316502.7	267367.1	TRUE
430121.5	440277.8	480818.6	407770.6	386218.9	438985.4	470825.4	392817.5	TRUE
191773.5	202731.3	256129.3	232427.4	238425.7	241437.9	246402	238017.1	TRUE
662119.2	561491	719751.2	643960.7	618273.3	690620.3	557178.7	690791.8	TRUE
1001818	836155.3	809095.7	1103095	871868.6	846100.5	961350.3	854734.2	TRUE
1055453	921594.7	1076149	1013322	860252.2	1172893	917114	1090063	TRUE
1318059	1143359	1279472	1206672	1184958	1284397	1058045	1314791	TRUE
207594.9	216987.4	183082.6	226269.3	196406.5	215422.3	203273.5	222289.8	TRUE
746796.6	625960.2	641144.6	698340.6	708981.6	856817.9	715275.6	750603.3	TRUE
186751.4	143780	165250.5	204583.6	163430.3	147167.5	143768.9	155543.4	TRUE
275172.6	221460.5	126317.7	459606.4	208985.7	227633	268901.9	264688.1	TRUE
186457	141177	129315.1	165482.8	175393.6	195517.9	197931.8	210188.3	TRUE
642386.5	495371.2	521769.2	649218.6	455053.3	1374245	534585.9	1291552	TRUE
576068.4	379836.4	309543.3	432584.3	469355.5	533328.7	566981.1	620195.7	TRUE
46253.4	28870.6	36338.9	38966.4	47844.6	57527.8	50551.4	61201.1	TRUE
70326.2	45561.6	45856.7	50413.7	58258	58206.8	73553.5	76821.2	TRUE
104392.4	85824.3	62151.8	114320.2	129532.6	75726.3	105712.5	130935	TRUE
432834.4	364153	472799.7	445685.7	388811.9	504233.7	402875.3	494121.9	TRUE
443433.7	452599.1	451789.9	485119.5	405255.1	562746.2	566206.1	586972.2	TRUE
55505.3	47808.4	71033.6	45248.2	39921.1	64338.4	60692.4	76642.3	TRUE
65196.8	95773.4	91266.7	86700.3	61651.9	129777.7	125490.5	131559.1	TRUE
296899.4	270147.7	283798.1	299420.2	310491.5	272108.2	275581.7	292880	TRUE
220028.3	213056.1	238991.9	255939.2	241905.6	244211.7	202997.6	263193.3	TRUE
606374.3	413629.9	547347.7	553022.3	627166.7	588786.9	496715.1	595973.2	TRUE
434403.7	445170.2	355286.8	316810.1	418284.7	466644.4	442260.2	432681.1	TRUE
75792.8	75850.2	80721.3	90141.6	95007.2	70429.8	75077.9	81328.1	TRUE
253999.2	192367.7	254376.4	286052.9	285867.9	272038.4	241073.9	285485.5	TRUE
41679.2	57521	44366.8	38273.3	62639.7	57546.2	56557	59787.3	TRUE
67980.8	84052.7	45216.3	62869.9	53803.5	67439.1	61599.2	64680.7	TRUE
159731.1	215593.1	136366.3	172954.5	176796.7	165432.3	239656.4	159889.8	TRUE
134400.3	108270.7	147536.2	130456.2	136213.2	138249.3	132432	126393.6	TRUE
196431.8	185689.8	175121.7	191801.1	207594.7	192463.5	187979	187642.2	TRUE
425594.8	411147.2	389139.3	417998.8	385111.2	480827.2	471666.8	490105.2	TRUE
612636.9	721218.2	588692	596856.5	546569.5	717981.4	732334.3	723352.3	TRUE
78655.3	78547.5	59671.6	92435.3	71904.9	63586.3	83272.5	88854.9	TRUE
134807	111466.8	42910.6	137063.9	116712.8	58319.9	149712.8	128955.2	TRUE
56149.1	41089.8	41546.9	72375.6	65869.5	48781.9	75530.6	59259.8	TRUE
30303.5	31007.1	35289.8	24059.7	39903.2	46370.5	27952.5	40142.1	TRUE
523275.6	486159.2	421543.5	483749.4	459056.7	411869.4	445039.5	473920	TRUE
1378781	1488649	1010226	1227610	1713231	1121958	1632644	1777128	TRUE
261656.1	292511	291251.8	296177.4	246508.3	269042.1	293053.8	266703.3	TRUE
151168.2	159552.1	204597.6	206537.9	199058.7	175053	209825	185878.1	TRUE
158092.6	179164.6	164493.8	192656.2	190726.4	169223.5	193134.6	209373.5	TRUE
223420.8	224840.6	212274.1	245403.2	239665.5	251996.5	218828.5	258697.2	TRUE
423753.5	366419.7	445233.2	437359.9	400513.6	459292.2	415975.4	518914.2	TRUE
113196.7	148310.3	124290.2	129738	176916.7	147752	120461.3	146947.4	TRUE

198713.5	146010	149375.9	221970.3	185393.5	241081.7	233216.7	266848.8	TRUE
66307.1	71488.3	50775.1	67354.5	70559.5	64314.7	69756.3	77759.8	TRUE
30768	25444.8	21514.1	27255.5	22118	31336.9	39684.8	42216.6	TRUE
203867.8	142750.7	161586.8	234065.8	184522.2	202606.6	244282.9	253038.4	TRUE
708527.6	735541	736624.2	792268.7	659776.6	867570.3	800238.2	865073	TRUE
70540.5	80307.9	81651.8	98879	88826.7	94708.5	98726.3	98562.1	TRUE
8762.6	6541.9	10561.4	24803.3	14059.6	6539.4	20241.6	12378.2	TRUE
20521.6	10820.3	19667.7	9840.1	9410.2	21469.8	14538.8	26032.6	TRUE
147779.1	122957.8	104333.7	137296.6	138144.5	167383.2	166132.1	156581.7	TRUE
231378.8	256774.2	193259.6	210248.8	233815.3	180919.3	223409.7	222669.4	TRUE
109022.2	100383.9	94472.4	98033.4	127741.6	97574.8	119572.3	111631.2	TRUE
225314.1	228312.4	176665.4	177856.2	146124.6	167223.7	172720.2	191278	TRUE
115683.1	102593.6	94688.9	85545.2	81964.6	82296.6	118600.9	91039.3	TRUE
17633.2	39126	14117.2	26482.9	29138.4	21642.7	14728	31676.1	TRUE
18879.6	6970.4	18250.4	20693.1	16741.2	23918	24941.9	26115.5	TRUE
80195.4	88966.8	93536.1	91892.8	75974.3	100305.8	98883	108593.3	TRUE
7750.8	10175.9	16932.1	8785.4	20612.5	2980.9	20707.1	20821.1	TRUE
627360.8	602173.8	499894.7	459261.2	576799.6	583835.6	541610.2	525020.6	TRUE
152277.6	132099.3	128957	144678.5	154327.4	191401.8	147000.2	172386	TRUE
59705.1	78684	85113.7	62911.9	82273	81991.4	66609.9	60189.2	TRUE
132041.1	121429.9	114832	118332.3	116566.4	117549.3	113020.4	118952.4	TRUE
67362.5	59653.4	72549.2	50795.6	69504.8	87256.5	52432	61901.6	TRUE
39378.2	41260.6	34136.6	37205	34622.4	34230.7	45191.5	75539	TRUE
186648.8	139465.3	217112.9	206229.1	223752.4	256803.6	187936.9	206673.6	TRUE
177502.6	153623.4	291160.1	295592.8	253432.7	328205.1	208393.6	241313.7	TRUE
154464.5	135089.8	120701.1	132230.6	156067.8	144499.6	140404.9	160798.6	TRUE
144799.3	153127.4	131158.2	144073.5	159968.1	157833.3	170592.1	150805	TRUE
229651.9	207545.5	251259	251469.4	223358.6	279103.9	251323.3	241164.9	TRUE
149723.9	102132.3	168787.8	160032	159523.2	151722.5	129120.3	175023.9	TRUE
37985.1	40497.1	42034	24939.4	38328.6	39404	34430.2	50463.4	TRUE
309428.2	337631.7	288086.8	299176.5	433406.8	387789.4	381606.8	349945.8	TRUE
58990.6	55743.4	68837	55280.9	47760	61862.9	48662.2	47296	TRUE
123170.2	122894.1	111794.4	138155	161986.3	110358.2	77866.3	103051.2	TRUE
79802.6	71198	97358.9	74151.1	66736.7	84395.1	72430.3	73560.7	TRUE
117885.2	102380.1	88900.2	116782.2	110827	111604.4	124333.7	141407.2	TRUE
329258.8	288618.6	238026.7	262905.4	234478.3	250182.2	265822.3	265246.7	TRUE
668969.8	669890.3	676464.9	694382.3	670457.3	753960.1	836006.6	780284.9	TRUE
561741.3	535267.1	517878.1	629866.9	515370.5	545384.2	598696.6	578039.5	TRUE
47244.1	37016.1	40911.5	34780.5	52379.9	44928	49833.8	50830.5	TRUE
432381.9	443765.8	315325.6	424120.8	446878.8	372983.2	422253.2	423502.1	TRUE
38076.8	47186.2	101924.1	49633.3	49903.2	44057.8	34826.3	39576.9	TRUE
61185.7	83849.6	117700.2	69720.9	62020	69147.6	74762	69471.9	TRUE

27441.9	20317.2	18309.5	23635.5	28426.8	22207	25486.8	26384.6	TRUE
21286.3	24936.4	17750.4	26166.5	25604.2	10285.7	16205	27651.8	TRUE
71910	59058.4	35833.9	58924.1	62920.9	64736.3	66445.9	83623.9	TRUE
425141.5	359136.2	368661.5	495954.1	411514	434221.7	385892.8	448670.3	TRUE
233418.9	215964.6	177505.3	218926.3	223973.7	189714.7	251139.1	237090.8	TRUE
296965.5	256273.8	249269.9	283985.4	302246.2	264426	338045.4	275410.9	TRUE
138352	142756.8	119072.5	109209.7	119208	109691.5	132687.8	138182.5	TRUE
490795.3	467760.7	377549.2	341925	392987.1	475921.6	490894.6	437349.1	TRUE
760928.3	643305.5	682282.6	812868.8	700019.9	741887.6	703646.5	708240.8	TRUE
623949.6	527622.3	495968.2	483919	510660.3	590873.7	535238.3	516791.1	TRUE
12191.8	10196.9	9951.6	12455.6	14488.1	9957.2	10542.2	12796.1	TRUE
78979.5	97034.7	79720.7	76441	91519.5	87093.7	97834.6	89634.2	TRUE
23353.3	32396.3	21780.6	29903	10445.2	19739.1	15223.2	24615.1	TRUE
26844.5	30329.3	11864.7	12052.1	21668.2	14671.5	29595.4	40094.8	TRUE
5750.6	10792.6	7967.6	7519.7	4807.7	5081.4	7418.4	8695.6	TRUE
27988.8	28676.7	16371.7	49018.5	25371.2	18179.8	25369.9	37870.8	TRUE
93449.9	103965.2	98831	115750.7	71924.3	219200.2	151193.3	212283.1	TRUE
73609.4	78531.1	49923.6	60721.8	59399.8	57087.9	64665.7	76924.8	TRUE
139815.6	130007.3	93030.7	107431.8	138103.6	92350.5	115361.3	113965.3	TRUE
227895.4	197882.1	208010.2	169873.3	258642.2	236516.1	218540.6	235515.6	TRUE
153808.8	102387.9	185125.3	160159.8	145607.7	178622.3	141162.8	156629.6	TRUE
103365	100629.8	128067.4	111090.1	90716.7	144766.6	84571.4	104386	TRUE
191079.5	148199.9	253286.3	161101	156479.1	255679.2	174178.2	181097.8	TRUE
30196.2	4887.5	41534.1	29738.3	11875.7	42288.9	16218.8	29961	TRUE
109255.6	102174.7	85790.6	106246.1	89233.4	87958.3	81646.1	96593.5	TRUE
360447.3	344516.3	352410.5	280153.3	385528	419542.3	381274.4	396561.1	TRUE
479866.7	426841	368818	379126.5	539919.1	547273.9	447867.8	498435.2	TRUE
69021.6	62253	50013.4	102892.8	87769.8	58389.2	77135.7	81587.9	TRUE
19442.5	27172.7	20686.3	25954.3	23157.6	28155.6	23450.7	27022.4	TRUE
48780.6	58952	38626.6	45487	29452.8	46202.4	49480.8	50680	TRUE
834290.4	663891.6	838971.7	829603.1	753936.4	871689.8	699810.1	711436.7	TRUE
1600125	1312729	1392992	1468952	1796248	1661320	1339558	1573226	TRUE
48272	46341.1	70428.6	64918.1	62617.6	76665.9	45040.7	55197.1	TRUE
157161.3	117172.9	209252.4	209966.6	179809	236782.2	134580.2	193168.7	TRUE
114834.9	115619.2	96520.9	84513	149462.3	155656.3	121676.2	117590	TRUE
237944.7	350146.5	243877.6	291951.2	353418.6	271303.7	382639.3	364563.1	TRUE
389851.2	472218	393945.1	438660.2	520858.7	383674.9	537112.5	508176.3	TRUE
579409.4	705077.1	893601.2	904473	597661.6	591788.9	715244.4	584217.4	TRUE
376230.6	334514.4	369053	353506.1	328452.4	367158.2	344799.1	349078.2	TRUE

752476.5	1060247	617955.4	596417.7	476216.8	457177	528600.4	445393.5	TRUE
24152.5	27554.7	21802.1	11381.4	31609.7	20777.7	46366.2	43528.2	TRUE
43434.6	48938.1	34919.7	35899.3	61163.5	48831.5	55852.6	63870.7	TRUE
8964170	10440555	5154310	8039500	9547243	5529167	10357480	9166081	TRUE
1232945	1287787	1443263	1469593	816134	1204273	1381191	1304105	TRUE
201595.6	250809.5	177115.3	157124.3	243128.4	182994.1	232633.6	268326.4	TRUE
430534.2	398559.8	357168.6	426692.5	337651.7	274481.1	379844.3	298674.6	TRUE
85068.7	91118	68940.5	115385	83840.8	100022.5	99745.7	88167	TRUE
170410.1	189656.4	100135.9	157803.1	161527.2	125065.2	178956.7	155705	TRUE
112958.6	127222.3	132228.4	150341.5	143603.5	129138	161655.8	151072.7	TRUE
37356.6	33164.6	27234	29475.1	27945.4	25174.2	23732.2	29948.7	TRUE
33058.1	39138.6	35985.1	24561.2	32575.4	41199.3	45941.7	48814.3	TRUE
31911.5	34991.1	44949.9	50949.1	36977.3	20438.1	24958.8	49446.3	TRUE
15436.4	33415.3	23872.1	34784.8	32417.7	5526.3	10889.9	8075	TRUE
60813.7	60689.4	62167.1	75682.2	60684.1	56601.5	63064.2	52263.3	TRUE
1747624	1722297	1130838	1539951	1429625	1240471	1718986	1363326	TRUE
134911.3	120917.9	186995.6	140426.2	82622.6	203977.2	108322.8	90438.9	TRUE
378393.4	231071.5	352929.3	367861.4	637054.1	322614.9	298771.2	346196.7	TRUE
17075.9	8944.7	39527.2	9034.8	19479.6	27535.1	23781.9	19716.9	TRUE
24091	34812.8	28889.6	5963	5733.6	28499.5	8784	8207.9	TRUE
67495.1	49622	64709.1	60581	93922	38831.3	43329.4	44581.7	TRUE
169890.1	124110.2	167722.4	162799.4	321790.4	77606.6	127533.2	110880.6	TRUE
32808.7	13746.6	42501	5963.2	9685.7	54800	41822.1	12230.4	TRUE
26079.7	37417	51319.8	11927.4	17260.1	50529.8	36181.3	27943.6	TRUE
159275	145891.3	192837.7	128455.1	108026.6	185782.9	153633	119693.5	TRUE
93222.3	87429.4	118930.5	103391.2	80130.7	125586	108154.5	88035.3	TRUE
286010	288352.1	290362.1	242962.6	215267.5	315905.8	277742.7	239635.2	TRUE
140253.3	108212.1	234802.9	160924.1	79708.1	229770.1	194188.2	98981.4	TRUE
185587.9	106100.7	180288.6	179257.4	303594.1	127516.7	119712.1	173603.7	TRUE
123280.1	109605.2	176559.2	129381.7	119604.4	187038.1	126609.4	128710	TRUE
725042	518828.9	680727.3	631672.2	1093114	626555.8	549630.3	636916.2	TRUE
97062.3	177902.4	78285.3	156202.4	154457.2	61105.6	172546	133352.6	TRUE
119951	137174.5	124018.2	184039.3	175984.9	133105.6	171309.1	147339.9	TRUE
37093	31796.4	36540.3	28098.9	33641.1	33856.8	49190.9	38916.2	TRUE
45794.3	42344.1	28288.8	43134.8	34575.5	34271.1	55044.7	36989.4	TRUE
49567.1	48354.2	38254.1	38634.3	49806.7	52516.4	67561.1	54993.1	TRUE
28218.1	29093.1	19807.7	26242.4	22278.3	35660.1	24756.5	24989.5	TRUE

33863.7	30141.3	26593.4	24239.7	24455.1	31549.9	43317	31630.9	TRUE
60223.9	47592.5	52649.8	41630	56185.1	52431	59859.9	51109.3	TRUE
18548.6	4369	11850.3	5205.7	17772.1	17059.1	11369.3	6449.2	TRUE
30757.1	30955.2	27704	19234.3	26449.7	40964.2	29112.4	40979.1	TRUE
126214.4	158075.8	113162	157188.7	143444.3	112458.3	138146.2	124176.7	TRUE
150269	126096	143033.9	204876.8	134443.3	186685.8	151788.5	198810.5	TRUE
103332	93254.9	121525.9	106588.1	91529.5	116675	98743.5	117246.8	TRUE
42732	47398.2	31930.6	30190.3	43602.9	44972.1	36665.3	49302	TRUE
206943.1	253472.6	218816.3	256853.9	264451.9	301872	252094.5	245045.4	TRUE
215660.3	213859.4	220021.6	216870.6	233086.3	217765.9	212422.6	241145	TRUE
451206.3	498178.2	541838.1	449341.5	401808	415787.5	492504.1	418189.1	TRUE
27898	21984.2	27848.8	35178.1	23563	28787.2	41123	30282	TRUE
665217.6	637058.3	491014.1	343566.5	318460.4	400121.9	365961.6	389432.4	TRUE
313186.8	252067.3	217024.1	178715.7	140408.3	176556.5	134983.1	186114	TRUE
270150.3	222798.1	211286	235647.9	236093.7	287941.1	231329.1	311705.6	TRUE
177515.3	165662.7	168866.4	140289	190745.3	167513.7	153176.2	160361.9	TRUE
353492.3	299725.2	307121	429421.6	400538.3	316995.3	381090.3	380935.5	TRUE
578596.5	501487.7	521478.2	727768.2	688845.8	555865.2	590277.1	672065.2	TRUE
1687461	1800125	1516138	1592791	1419226	1693479	1689025	1673284	TRUE
157610.1	152486.6	169127.1	162904.8	168607.4	205869.5	169186.8	163117.1	TRUE
305021	304563.6	294001.7	367240.1	313450.4	359263.4	353307.8	332310.6	TRUE
310166.9	319158.1	264571.6	267113.2	287326.7	298703.9	268525.8	311725.1	TRUE
447147.7	406615.2	455427.5	450788.3	437132.9	439975.3	453797.2	454343.4	TRUE
329161.3	321479.7	313077.4	330317.3	289607.4	291617.2	353238.4	317655	TRUE
608993.5	532851.1	548217.3	574198.3	534195.3	607445.8	561868.4	622023.8	TRUE
247461	250316.4	291864.5	274307.1	255860	274298.5	249221.9	248205.4	TRUE
112946.6	103853	137735.6	122676	128473	127042.8	124956.2	120119.2	TRUE
432625.1	462396.7	387780.6	507807.3	430935.5	433957.6	491895.8	445345.8	TRUE
65456.2	54722.1	53395.4	76639.4	44934.8	37206.1	52885.5	65485	TRUE
35450	26721.6	21441.2	28114.4	29065.5	30523.5	27806	30007.6	TRUE
296270.5	316488.4	263503.3	237387.8	304196.8	308309.9	285475.6	312757.9	TRUE
329771.9	285933.2	328218.9	304395.7	341346.6	309323.2	302829.6	355440.2	TRUE
541867.7	488975.2	491090.3	492208.9	463540.3	456065.8	541249.6	486179.6	TRUE
520964.2	439922.8	418530.4	439555.2	435344	396124.9	476433.9	427470.8	TRUE
138445	100889.6	122708.7	116516.5	120640.4	139448.4	102042.8	118691.5	TRUE
140475.5	148650.7	133368	125773.7	130550	127896.3	147620.8	113004.5	TRUE
194933.5	177207.9	217395.4	272698.7	258480.5	218210.4	205971.7	248972.2	TRUE
59563.7	48450.6	57394.6	62410.2	72194.5	56589.1	48085.1	67724.6	TRUE
58243.8	65300.6	68924.3	53720.8	68209.5	67360	63631	80602	TRUE
102805.1	109464.3	103665.6	124036.2	103358.6	107702	112757.6	124037.5	TRUE
78848.5	85282.3	66047.6	76350.4	81715.7	85713.4	78952.9	78911.5	TRUE
378298.4	303681	328989.5	377370.6	302662.2	315780.4	307322.6	303122.9	TRUE
66388.7	52607.1	76284.3	55715.4	55041.2	57892.8	49014.7	60461	TRUE
91797	88637.3	96598.4	92357.4	92319.4	96132.9	83649.3	81690.3	TRUE

91264.3	103734.5	95542.5	70478.7	101601.3	80340.2	75445.5	84792.9	TRUE
174792.6	150170.3	112689	136273.5	105565.8	148044.8	119188.1	114592.3	TRUE
44537.1	37081.8	41845.2	35348	33777.3	59128.3	53195.2	51343.4	TRUE
17175.3	9251.2	11331.1	22574.5	28393.1	24313.1	12699.7	11023.5	TRUE
65545.2	63191.3	84333.1	83456.1	53250	96649.3	74658.2	66295.7	TRUE
73296.1	77572.7	87776.9	81774	57052.1	88189.4	99128.1	55304.7	TRUE
107324.9	88345.4	118540.5	135173.3	156434.6	155023.6	88360.8	123770	TRUE
25011.2	31042.2	33232.4	45735.4	30889.6	45522.5	33320.2	23323.9	TRUE
31530	44646.9	57644.3	26966.4	36161.9	32542.2	52381.9	35518.9	TRUE
217845.6	159970.5	216795.8	240078.9	221198.8	161719.3	184318.1	168154.6	TRUE
30739.8	27297.4	23945.5	29372.9	36681	35143.8	34872.1	30038.3	TRUE
300719.4	315192.7	355098.7	290594.5	235420.9	385524.7	326748.5	239895.4	TRUE
319225.8	231871.3	377684.2	353599.9	411575.3	265166.4	238676.2	306817.9	TRUE
389565.6	363167.1	433668.7	326293	290157.6	470438.8	373118.7	299189.8	TRUE
133572.8	167410.2	181370	154113.4	205316.9	178478.8	183937.4	142209.1	TRUE
461914.6	385897.3	491234	492958.5	627686	393774.6	414151.7	384042.5	TRUE
91258.7	122053.4	93678.8	90240.8	107690.1	105100.1	123201.5	96258.4	TRUE
140235.2	108975.7	129899.7	132671.9	298791.4	169684.6	179463.7	159663.7	TRUE
276775.4	241296.2	236681.7	290851.4	243027.7	244017.4	243962.3	275695.4	TRUE
278766.3	339994.7	250214.4	285279.9	316647.6	264940.7	387240.6	309141.1	TRUE
56723.4	57821.3	54945.6	74804.7	52722.7	48832.7	57091	68317.3	TRUE
383625	445321.4	288676.5	420267.4	406459.6	322871.3	429644.2	402270.7	TRUE
407448.8	442569.1	609249.6	638607	367934.5	438590.7	483222.6	458506.6	TRUE
67405.1	68543.4	75031.7	96073.1	60123.1	69944.3	79440.4	71495.9	TRUE
132004.3	129587.1	136793.8	166138.4	130937.8	152166.8	149676.2	141057.7	TRUE
136424	101004.2	118215.4	121070.9	122976.6	97059	118682.2	99240	TRUE
111402	91881.7	138899.2	149224.3	101655.7	81010.9	108045.5	93181.6	TRUE
650441.9	793951.6	461826.1	587034	685862.7	522878.5	865231.6	663336.3	TRUE
1001779	949525.7	1167422	1221977	913965.1	1072915	1046984	1062292	TRUE
969929.7	962890.6	1013558	1094066	839513.6	962715.7	969334.7	906522.1	TRUE
23047.8	36499.7	14830.4	9889.4	16340.2	11154.9	30180.4	21162.1	TRUE
942324.1	1351106	492394.9	630936.8	861940.4	495852.2	1335723	825997.3	TRUE
66096.3	89216.5	51670.4	68467.2	70833.6	45143.7	113174.5	64376.4	TRUE
384188.6	604370.8	318136.3	362787	472361.5	289717.1	710217.1	439866.4	TRUE
1786910	1587733	2835025	2890101	1140368	1368577	1736435	1399521	TRUE
42691.3	52240.2	23385	45902.2	78735.3	50892.6	92856.9	51022.6	TRUE
32027.7	21381.6	24943.2	42912.4	8158.4	16217.9	11671.6	27556.2	TRUE
425387.2	306339.3	400327.2	530161.3	220243.8	332518	409285.4	329610.9	TRUE
106182	136580	75685.7	64219.7	78043.6	73294.1	112359.5	98328.8	TRUE
152147.9	245855.6	136390	123664.9	194991.7	128359	222909.6	172625.5	TRUE
207565.2	290235.2	109170.9	168426	187640.5	113618.4	241391.3	153472.8	TRUE
179482.1	162008.1	202376.6	223300.7	98326.3	128259.7	153592.2	137932.2	TRUE
217624	175318.2	333415	351775.6	110340.5	163890.2	182048.5	165638.7	TRUE
92861.2	105079.1	58632.1	66276.1	77113.9	66958.9	109531.4	72440.7	TRUE
129226.1	129282.4	131299	114167.7	125631.7	155718	102389.5	116642.6	TRUE
102602.1	101204.5	90611.7	77805.7	88002.4	101424.7	90499.6	87978.5	TRUE
607872.6	489872.5	661215.7	691652.1	883067	1497275	963850.5	1033449	TRUE
735660.6	611461.1	852498.2	672243.4	557589.1	930271.8	699433	626378.5	TRUE

80792.4	60656.8	102260.8	54764.8	69154.2	134397.8	78612	71439.6	TRUE
1159119	1039867	1540727	1174248	889755.5	1693206	1042038	923185.1	TRUE
49118.9	44558	63193.7	61393.2	43732.7	61761	44478.2	44210	TRUE
67774.9	65995.9	53605.9	81768.8	69274.7	81107.3	84131.7	71479.9	TRUE
208337.7	199861.3	200169.2	206687.8	262044.7	194207.5	201341.7	191138.7	TRUE
310481.9	253742.6	409739	235723.9	223934.5	415490.1	309125	300916.9	TRUE
538543	566021.5	542103	507591.1	437550.3	684583.4	606845.8	418389	TRUE
70840.2	90620.3	81614.3	78751.3	79362	65943.8	71627.4	75071.5	TRUE
290939.2	225174.1	372326.6	268433.9	238306.2	401195.7	283937.8	261854.2	TRUE
341345.2	273138.5	352363.5	336284.6	270128.2	424503.4	323531.2	279853.5	TRUE
198628.3	144052.8	158230.7	169343.2	260409.4	181381.9	168214	203093.7	TRUE
38711.9	36782.8	32288.7	31991.8	30960.4	39458.7	28618.8	41720.9	TRUE
1551944	1318141	1484213	1548582	1415072	1412629	1462535	1447980	TRUE
120817	119642.9	67861.7	107730.1	135012.7	65864.6	110538.6	119462.5	TRUE
96767.2	133458	73616.6	112263	110374.3	78512.5	130828.2	117565.5	TRUE
102448.9	98569	108511.3	96964.4	90616.2	75717.3	104722.8	100152.7	TRUE
53032	80457.7	28317.3	61583.9	51170.7	35768.2	57410.8	67981.8	TRUE
110130.2	140875.6	152485.4	181752.6	97990.6	124358.5	154636.2	123321.2	TRUE
143028.4	154244.1	179290.8	164038.3	124345.9	162595.5	156555.1	149712.3	TRUE
26676.9	40960.8	23911.8	28299.5	31716.1	32380.4	35961.2	35342.2	TRUE
129641.4	165407.6	120275.1	125558.1	143569	140896.1	160071.5	160261.5	TRUE
92619.4	102615.9	61668.6	74899.2	97559.7	69106.6	121298.1	95472.5	TRUE
140556.1	145430.7	104385.5	132422.9	113080	105990	156327	140601.4	TRUE
243038.1	233829	170728.9	232933.1	231467.3	193682.8	235964.6	222589.1	TRUE
33180.6	38027.6	29810.6	32092.5	46102.3	28527.2	48587.6	45331.1	TRUE
58930.3	55309.2	43844	75772.8	52533.9	43037.7	49726.8	51440.5	TRUE
58544.1	62351.8	51250.6	58219.9	67141.7	59573.7	70003.3	88987.6	TRUE
124167.5	107395	107043.8	104397	93899.5	106776.3	105972.3	103648.4	TRUE
77021.6	76689.6	58261.1	57041.6	67318.6	79203	73797.7	73439.1	TRUE
6026.6	6965.4	8297.1	7198.3	6670.1	9408.8	7224.1	9085.7	TRUE
52263	53155.2	31597.4	87243.5	58039.3	47529.8	72130.7	51181.2	TRUE
34679.8	42005.8	37315.7	24497.8	58565.1	25703	38961.9	42901.3	TRUE
84713.4	102881	106205.9	109708.4	100671.5	119403.7	137801	96174.4	TRUE
109296.4	105854.7	95975.4	84557.2	134282.5	90639.8	115846	116328.4	TRUE
248265.7	251336.7	211647.5	230259.9	242919.8	260359.2	233762.8	251551.2	TRUE
96198.7	113254.5	126447.8	95740	75348	119647.7	93611.3	71016.3	TRUE
172949.1	176946.1	208688.5	374034	292193.7	230387.8	246838.8	181503.6	TRUE
57186.5	57408.2	73822.1	84660.3	45536	70971.4	87212.7	62153.6	TRUE
61964.8	58581.5	65288.6	71300.2	56365.7	57952.5	51753.3	46928.5	TRUE

50122.5	37163.6	49499.3	54846.7	54650.5	98166.2	43889.1	53896.1	TRUE
52311.4	36301	53761.6	50644.1	64277.6	62043.1	41849.3	42044.4	TRUE
61619.6	68753.1	86770.2	73744.5	56870	94245.8	61478.1	56218.9	TRUE
290995.5	307804.2	349341	246085.1	294533.1	335144.2	334066.2	289044.9	TRUE
300175.6	207385.5	191691.8	267836.9	360019	255332.8	278570.4	270124.6	TRUE
48866	37994.4	51422	49971.2	49996.8	67503.9	53602.1	52017.3	TRUE
96104.7	85038.2	108939.8	89433.6	72805.8	128680.5	108648.1	103039.5	TRUE
11420.1	7945.9	21129.8	11550.1	8510.5	49412	9603.7	8030.9	TRUE
70265.9	56300.5	58033.3	59661.7	47226.1	76412.7	68329.9	73211.6	TRUE
403922.6	271193.9	467646.7	445228.7	572036.5	373941.3	310451.8	364829.4	TRUE
38283	28664.7	40122.6	30824.9	32038	43783.4	32040.5	50688.4	TRUE
75635.4	67955.6	91597.6	73611.4	74924.8	93148.5	65156.2	81833.2	TRUE
122315.1	138234.3	128805.4	106223.3	108211.6	161550.9	143955.6	143160.2	TRUE
224610.5	141012	214448.8	231397.1	334121.4	219776.3	216457.3	234714.5	TRUE
187512.4	223639.5	173181.5	192890.2	175591.3	223547.4	247928	194371	TRUE
295918	306567	286800.4	295925	282415.7	326728.6	348399.9	281750.2	TRUE
126530	129737.6	143284.4	146849.2	131734.7	109939.3	109478.1	138355.3	TRUE
198134.8	158903.6	271368.7	217510	199834.1	182547.1	197770.3	176262	TRUE
17429	32163.6	21101.9	24167.9	23328.8	28222.6	30058.3	38520.7	TRUE
80040.8	77437.7	81788.7	68467.3	55729.3	83713.7	81709.4	76086.7	TRUE
45621.6	47776	33265.3	59265.7	49774	38518	51188.9	60311.5	TRUE
238231.1	283470.6	228328.8	248751.1	258169.3	206276.9	291095.3	248554	TRUE
85274	131733.3	86716.7	69481.7	100697.4	87186.9	103022.3	102237.3	TRUE
93145.1	104270.3	89746	570695.6	65365.6	69141.7	101231.9	86180.5	TRUE
128106.5	151650.9	186081.3	173208.7	114582	154515.8	142541.9	132702.7	TRUE
16267.9	12541.9	8668.1	9579.5	6669.6	19268.4	11405.2	8561.4	TRUE
142754.4	150870.6	155691.9	125028.5	137299.6	170431.1	198756.7	150901.3	TRUE
58460.7	55381.2	35121.8	58437.7	81296.2	61729.5	86125	72308.4	TRUE
159442.1	123730.6	145579.4	176483.9	139808	194163.4	177358.6	187404	TRUE
228578.1	253308	200076.7	204113.8	220051.6	199270.2	252565.1	220885.6	TRUE
206754.8	214193.8	179725	192440.3	154160.2	191512.3	212465.6	178581.4	TRUE
800265.6	628403.1	887010.7	868577.2	805830	683265.6	605930.8	638588.3	TRUE
54881.1	57705	44747.2	43804.6	55964.3	48233.7	48502	51292.1	TRUE
739187.4	776959.2	735760.7	742582.3	707729.2	701386	804105.6	720308.4	TRUE
554052.8	451804.1	488670.1	567252.7	461530.8	444781.8	430900.7	457856.8	TRUE
278270.7	252535.4	338004.3	348407.6	326516.4	311308.9	300967.5	347802.8	TRUE
349882.9	383687.5	357341.8	395937.4	325528.4	330505.7	321247.9	316583.6	TRUE
691847.4	631917.7	627514.9	687846.8	639693.3	688379.4	678423.9	657132.5	TRUE
419738.5	446226	416812.4	443701.4	431412.2	405713.1	456760.6	459004.3	TRUE
57839.3	66934.2	64348.5	61723.3	51975.6	66643.8	76103.4	55766.7	TRUE
167952.9	189120.3	131436.1	170128.4	158866.6	157948.9	200302.5	161091.9	TRUE
70125.8	39175.1	35720.2	39355.3	58553.7	50459.2	63486.1	64058.2	TRUE
219579.3	158227.5	166908.2	195214.9	189833.9	202752.8	198470	205742.5	TRUE

982909.5	848308.9	731691.9	992565.6	881185	980625.4	1008346	1045554	TRUE
507427.1	517447.6	551243	519885.6	549597.4	485225.4	554533.4	515795.5	TRUE
192559.8	176797.1	191630.5	217964.3	176107.9	166924.8	197369.1	192151.3	TRUE
853503.6	843674.8	903607.6	853793.2	808107.1	832727.6	799065	864277	TRUE
96604.7	72299.8	65395.2	53531.2	71504.7	77995.7	96936.5	99572.4	TRUE
64058.8	64726.9	76608.5	61011.9	65800.2	90283.6	65711.9	60819.4	TRUE
40739	43476.7	32889	30069.2	29444.2	37722.6	34791.6	39010.8	TRUE
52365.6	53587.3	64250.6	47042.3	54303.7	92304	65082.9	67901	TRUE
14440.9	10361.2	10251.2	14380	15350.8	9298.6	10464.9	11336.9	TRUE
81392.5	76047.2	89658.4	76379.9	68751.9	103584.8	63505.7	73379.2	TRUE
62778.2	67976.5	74222.7	58703.3	50898.5	74206.3	59608.5	60844.5	TRUE
228053.2	195305.8	210811.3	225099.6	289629.3	217950	224985.3	250127.1	TRUE
126972	61034	146847.2	102570.6	94454.8	130510.9	61338.4	96532.1	TRUE
324071.5	251019.4	474497.2	459269.4	373364	527990.4	268743.3	371898.2	TRUE
78417.3	58479.9	91938.3	65917.9	86598	80672.5	54773.4	90576.5	TRUE
18139.4	19648.7	9259	4860.3	11799.6	6808.8	18744.2	9329.6	TRUE
278071.6	159862.2	352196.1	285509.5	243144.7	365058.2	178798.3	250803.7	TRUE
231104	215430.1	154351.3	139649.7	325906.8	312837.1	221715.3	290625.6	TRUE
21808.7	5414.3	20990.8	28412.5	22303.3	20822.1	10808.2	12705.2	TRUE
866819.3	641830.7	903124.9	834256.5	743737.4	976617.3	606523.9	790498.5	TRUE
1103760	1004054	741074.8	725739.3	1396270	1252851	1064203	1355280	TRUE
341150.4	199997.6	333426.2	266839.4	264096.4	327568	199060	307148.9	TRUE
230583	123419.9	269258.5	245491.2	195997.6	278109.7	143105.3	197368.5	TRUE
84361.6	66142.4	154346.4	100257.5	112569.8	142926	73595.4	100297.2	TRUE
56235.3	71437.6	48411.1	37953.2	49683.3	46515.5	51562	42653.8	TRUE
214936.9	155813	290869.7	306183.3	228397.9	249431.1	187833.1	225149	TRUE
314639.2	257284.6	307406.6	381426.9	295213.4	346248.4	298565.5	328865.4	TRUE
228118.4	226406	282044.5	315803.4	221763	225334.7	227640.9	238787.3	TRUE
110566.7	115688.2	95481.7	120961.6	96685.3	94061	99013.1	111718.7	TRUE
219358.6	205463.4	265808.6	261393.5	213449	235881.5	208955.9	193489.8	TRUE
695024.3	835740.6	566988.1	684561.2	656571.8	632508.5	865900.6	696541.3	TRUE
513152.9	539249.6	441986.2	460301.8	460658.2	465244.9	603369.8	476241.8	TRUE
144593.2	166642.9	120799.5	120476.1	116066.2	119000.5	184039.2	151285.2	TRUE
584749.5	485699.4	641072.1	609365.6	512093.2	535292.4	526354.3	516309.1	TRUE
270768.1	198444.7	276812.6	298640.8	244209.9	241374.4	217796.2	249929.2	TRUE
71884.5	62977.6	101320.4	97818.9	72330.7	98207.9	73439.1	67201.3	TRUE
120831.9	129092.2	58495.9	111679.3	92851.3	103398.6	118849.5	111299.5	TRUE
26660.3	38906.7	29154.7	28589.8	20161.4	31763.4	32208.4	28161.4	TRUE
33467.9	47002.7	48188.9	34027.4	53341.3	33339.2	34723.2	28996	TRUE
21521.6	9984	37088.4	13108.3	26334.7	32274.6	17531.6	12218.7	TRUE
159845.3	96806.8	182809.9	52945.2	46596.9	108912.7	134087.4	291193.8	TRUE

512573.2	913030.4	896996.5	1037507	1118619	214268.8	266365.6	241843.6	TRUE
88737.2	67097.9	105411.4	141645.4	151687.3	47742.8	26098.3	69652.5	TRUE
50784.8	40768.3	50395.5	49447.8	36742.9	64879.7	79231.6	56497.7	TRUE
72541.4	76238.4	69973.4	47375.5	34483.7	115114	73627.6	43742	TRUE
43565.9	63412.4	71754.1	59695	24052.6	78042.2	57309.3	37583.1	TRUE
37229.5	32168.9	36194.2	34691.8	38235.7	34859.6	34700.9	30030.4	TRUE
50887.6	33188.7	43224	42255.8	65340.9	46215.3	67384.2	61404.4	TRUE
64528.6	89157.8	71181.6	54093.5	90734.2	57827.5	60591.3	72639	TRUE
53378	54083.5	42580.6	58224	57149.3	34174.5	52620.5	56448.3	TRUE
172279.6	203054.6	162899.3	225829.2	225832.7	154246	133431.7	127837.9	TRUE
1406877	572906.2	497341.1	409778.2	432613.4	320304.1	476015.1	416181	TRUE
108687.9	104861.8	102943.3	114372.2	132000.1	118427.5	106505.6	132130.9	TRUE
93991.8	80896	132492.5	106424.3	91291.6	97552.3	89960.7	104659.4	TRUE
29863.4	24042.8	44446.2	22768.6	23630.7	36428.7	34162.1	28611.4	TRUE
56860.7	50061.6	47101.6	59139.4	52565.4	62829.8	60539.2	60660.3	TRUE
215996.9	176144.3	197659.1	202397.3	149470.7	178880.8	218083.5	179381.8	TRUE
156392.1	172818.6	189918.7	173764.3	133731.9	158198.2	150661.9	140262.6	TRUE
766426.1	722367.2	817055.8	659473.8	909557.1	626497.5	648809.8	677655.4	TRUE
445243.4	403876.4	411472.5	362663.6	379208.5	439966.7	379922.2	370091.7	TRUE
87266	90027.9	103465.8	87026.5	77604.9	108604.7	88598.7	83720.5	TRUE
276730.4	350787.3	289332.2	298197.3	373270	309430.4	355960.5	271761.9	TRUE
200231.9	168782.8	259776.9	247114.4	202783.9	300657.9	213347.9	191041.9	TRUE
97358	73549	65677.2	101025.6	85781	94863.7	85529.1	95800.7	TRUE
196624	190598.4	202889.3	248758.1	268643.3	221736.2	209651.4	211182.1	TRUE
50693.9	33849.1	28700.3	42456.4	49326.2	61516.6	58677.1	60977.3	TRUE
329314.9	313398.2	291288.9	337363.9	353500.1	296647.7	307048.4	356977.9	TRUE
492628.3	473875	528838.6	518892.6	528579.6	556283.8	519110.7	538242.9	TRUE
864579.7	782048.1	657584.8	860553.4	817549.3	746139.2	823614.7	871651.4	TRUE
738805.7	684627.6	661889.2	713138	737301.3	676771.8	680500.3	686745.6	TRUE
164938.8	142160	177793.7	169019.3	144657.6	152139.7	142900.5	171575.1	TRUE
203340.1	222233.8	148516.3	203921.7	245064.6	153933.5	208423.9	233892.5	TRUE
68914.1	68366.3	47749.9	76861.7	59257.3	57558.7	89274.3	79437.3	TRUE
681651.6	626440	1079479	612777.6	400930.7	1153661	555679.5	440165	TRUE
179248	154460.8	238400.6	179888.7	149137	224417.6	196219.6	144663.7	TRUE
628519.8	323075.2	480207.7	452771.3	977621	487326	343980.4	492190	TRUE
8030.2	7675.7	17178.8	4884.5	4063.5	14723	6135.8	4601.6	TRUE
1016006	1038586	873780.8	877071.7	1363228	692065.3	1044981	686276.1	TRUE
128128.4	112047.9	182064.8	117123.6	104433.3	211365.2	137161.8	117397.6	TRUE
211063.9	182303.8	404184.5	183775.8	108514.6	466981.7	193637.9	148525.6	TRUE

59425.1	54858.9	85592.2	46828.6	57438.4	72556	77176.7	73346.6	TRUE
97227.9	74098.5	87140.1	79436.4	191562.7	73806.5	57442.7	106488.4	TRUE
400129	325912.3	632595.5	280304.8	254334.2	923413.7	448364.4	316247.7	TRUE
33227.7	21325.1	44904.9	26398.4	23799.6	60595.2	35130.1	26102.7	TRUE
78821.1	55122.9	70059.6	60208.3	81006.4	105790.3	65935.5	78774.1	TRUE
161108.6	137473.3	145269.5	177457.3	246898	140485	186847.3	179153.6	TRUE
142627.5	106420.4	253364.4	99773.8	94770.9	271374.6	144374.4	112969.1	TRUE
118607.9	101908.4	264924.2	69254	80817.4	239739.1	139048.4	89731.5	TRUE
58800.4	67812.6	141263.5	32150.1	47556.3	150447.5	64725.2	47291.2	TRUE
198217.4	124380.6	159935.8	157240.4	355540.1	87887.1	114770.6	100878.6	TRUE
241715	206957.4	422818.4	187473.3	119791.4	475803.9	232250.9	140232.6	TRUE
232372.4	235949.1	337523	238821.1	234770.4	362875.3	288104.2	259521.3	TRUE
100315.2	84103.7	175083.3	51849.9	65674	159848.8	85905.9	60236.1	TRUE
29932.3	18368	26017.8	29648.8	47948	28062.8	27819.8	21847.7	TRUE
70559	44328.1	70663.6	119400.1	68980.7	69961.4	51405.6	66838.5	TRUE
205573.1	269357	132584.2	159620.7	112665.5	151521.4	243094.6	132480.3	TRUE
84344.1	79746.1	88665.8	63079.9	66279.7	74946.4	74610.2	63646.1	TRUE
178094.3	206149	139836.2	173609.6	123430	141965.7	200416.1	125582.2	TRUE
630570	365901.4	691886.2	792184.3	536247.2	644892.1	439993	578381.8	TRUE
342809.4	212509.7	398952.7	402850.5	293520.3	333576.1	259399.6	324170.2	TRUE
26256.4	12763.2	8552.1	16196.1	47777	16030.7	26504.1	37170.7	TRUE
98448.2	78359.4	97226	103209.5	128772.8	70216	82165.4	68065.5	TRUE
108611.9	74247.9	97678.9	114329.4	141367.7	84042.1	115103.9	104267.4	TRUE
30058.8	28868	28932.6	24941.8	32801.8	20616.9	22733.1	11020.1	TRUE
44644.6	32959.4	50671.2	35735.4	23243.8	47632.9	41764.8	21838.1	TRUE
50611.5	240156	124013.7	47717.4	39556.1	130112.7	85913.8	40996.6	TRUE
16940.6	25543.3	30167.4	9132.3	17331.7	20278.6	9727.1	8297.3	TRUE
173979.1	177906.9	144492.2	170061.2	175609.5	165131.8	183252	128893.6	TRUE
130879.4	115889.3	140424.5	122896.9	72868.8	162472.5	152454	127407.2	TRUE
171866.4	152309.1	149688.8	174607.8	114679.3	192607.3	162595.8	135385.4	TRUE
74217.9	65127.3	64529.5	74796.8	62696.3	71215.6	63204.2	52630.8	TRUE
244233.1	215442.3	240955.7	293974.6	255470	263007.5	218254.7	218555.5	TRUE
66067.1	48732.1	51256.7	54924.4	48449.6	58535.9	50433.6	64862.1	TRUE
246700.3	249357.8	237334.4	242890.8	177597.8	233819.9	254130.3	182211.3	TRUE
325115.7	220923.8	295573	306509.3	429885.9	264330.7	217076.3	272504.4	TRUE
121143.1	90138.1	157461.1	104503	81265.6	158928.1	94176	91168.4	TRUE
178406	140140	170645.2	183678.2	113555	203839.6	138538.7	112062.5	TRUE
356753.9	343558.6	355605.9	339898.9	415362	368698	307231.9	361756.8	TRUE

54930.5	32979.1	52690.7	55309.4	41688.6	40066.3	59520	33683.4	TRUE
95480.7	80514.9	88670.6	95453.7	114347.9	100695.3	74739.2	104038.7	TRUE
49131.2	52674.2	52243.2	37371	61755.5	53630.2	43417.6	53749.7	TRUE
52933.9	57740.4	54467.4	47631	50389.6	43226.2	56924.2	36268.3	TRUE
223478	226460.9	217367.1	234622.4	212811.3	226951.9	270524.3	233776.3	TRUE
201450.8	196926.9	176329.6	186268.5	162586.9	189906.4	214468.2	185733.9	TRUE
607508.4	480830.9	638573.8	679281.5	586383.8	614759.9	531339.9	645662.9	TRUE
600877.8	679859.7	470309.4	511230	575145.7	724936.5	683674.7	688801.9	TRUE
120422.9	153033.1	127533.3	138136.5	143399.8	124909.7	139739	117813.4	TRUE
65179.7	61440	84381.4	92532.3	58275.5	84467.3	58540.8	79664.2	TRUE
395907.5	322456	436184.4	415129.5	419846.1	389483.5	321165.9	387387.5	TRUE
329439	297791	389642	434200.9	336329.7	375783.7	308594.2	369149.4	TRUE
156659.7	126047.1	183772.5	165433.9	119642.6	146675.3	132630.4	145498.7	TRUE
30698.2	18886.9	31540.7	23488.9	16575.2	23462.8	26051.1	24685.5	TRUE
1994432	1572196	2067198	1867560	1894015	2093250	1762708	2123105	TRUE
219253.6	228613.8	199547.4	215419.1	296858.5	299454.6	237582.7	301608.1	TRUE
27742.5	37271.3	31065.3	40697.7	59160.9	29360.9	42337.2	38601.5	TRUE
69005.8	94284.4	61017.8	90069.7	93877.7	66476.1	75536	68755.3	TRUE
124556.3	104462.9	121870.1	111282.9	120079.8	114632.7	121934.1	113110.7	TRUE
106584.8	137963.6	95132.9	117667.8	104021.1	76619.9	106059	84962.3	TRUE
408567.9	377033.7	370710.4	425046.6	321524.4	400744.1	431431.4	327815.5	TRUE
961272.8	747604.9	868131	995473.7	890583.4	1040493	767370.4	992816.9	TRUE
31010.4	27133.8	44439.2	29756.5	28829.2	43008	32700.1	41231.8	TRUE
33209.4	38120	43713.2	30639.4	34425.1	38229.2	36118.5	29368.7	TRUE
53087.4	38160.1	41441.2	29669.2	30184.1	38381.6	41607.8	19203.3	TRUE
39565.9	37256.7	30848.3	31393.8	18603.6	35172.8	28031.5	28524.5	TRUE
648725	490510	682555.2	637418.6	673652.9	715701.9	547292.8	647863.1	TRUE
58094.7	62794.1	68836.3	51239.1	34819.8	59298	50451	29659.5	TRUE
41832.2	51486.4	49072.4	53425	34709.7	37366	38359.5	21625.3	TRUE
255605.3	251131.9	246847.2	264247.4	204905	246951.6	238996.6	202011.6	TRUE
79940.1	95125.1	118248.2	45774.3	82531.5	106178.3	94736	57250.7	TRUE
295155.8	217975.3	457356.5	236789.5	200824.3	385539	277933.9	208389.1	TRUE
121614.5	92637	196606	100381.1	73419.2	177549.6	118855.3	88093.8	TRUE
166806.1	105075.5	181318.9	193195	341411.8	161525	131454.9	152447	TRUE
17075.9	8944.7	39527.2	9034.8	19479.6	27535.1	23781.9	19716.9	TRUE
24091	34812.8	28889.6	5963	5733.6	28499.5	8784	8207.9	TRUE
67495.1	49622	64709.1	60581	93922	38831.3	43329.4	44581.7	TRUE
169890.1	124110.2	167722.4	162799.4	321790.4	77606.6	127533.2	110880.6	TRUE
70833.8	48403.2	88736.9	46172.1	53451.9	129965.7	57639	61980	TRUE
73006.7	44581.2	79998.2	83564	141069	70670.9	70398.7	71028.2	TRUE
122947.8	171583.8	163670	151268.3	84067.4	181545.9	140172.5	89299.8	TRUE
311812.9	316116.3	299543.6	342753	280953.8	293023.3	311818.9	267434.4	TRUE
290668.6	246813	240823.1	280572.8	295512.2	314021.2	269211.7	313601.4	TRUE
310479	281491.4	316379.7	284975.3	298378.3	280196.1	264175.3	275065.1	TRUE

352969.7	363570.5	337604	341925.3	286982	340206.9	301763	318352	TRUE
277873.6	247924.4	281352.7	258620.4	267086.2	254722.5	239779.2	283488.9	TRUE
53875.4	44609.1	47296.7	44599.2	48986.1	49433.7	60102	50535.2	TRUE
54458.1	46284	41996.6	54191.1	40540.6	68875.7	57036.2	51625.3	TRUE
206747.8	187957.1	197860.4	163991.2	162252.6	244900.9	158620.8	198782.9	TRUE
83935.1	72578.7	54549.6	83625.3	71282.9	94065.8	91068.3	89314	TRUE
364267.3	401638.6	401115.9	636500.1	290762.5	428498.4	495943.1	320628.7	TRUE
75290.8	100661.3	42864.6	54289.4	71124.2	38794.7	101426.8	92579.4	TRUE
495418.1	661831.1	355019.6	573999.3	646373.6	357739.9	667077.9	619762.5	TRUE
121087.5	134331.4	118625.1	99217.6	121655.2	97062.5	142433.6	116832.9	TRUE
97165.6	125779	63798.6	84180.7	107634.4	56249.3	136641.3	92808.1	TRUE
50885.8	41334.6	23542.4	39258.9	45423.2	31850.9	59301	47995.4	TRUE
204688.1	225105.1	141341.4	194819.2	230481.1	175795	222528.1	229298.7	TRUE
130751.7	153815.9	92549	106390	153313.7	77416.9	153929.3	155799.6	TRUE
124650.2	151480.5	68450.6	104984.9	128681.8	84322.8	131348.3	139831.3	TRUE
459944.4	651183.6	400572.6	443078	525823.6	366595.1	647201.9	542459.3	TRUE
10900.7	14449	28767.4	10347.5	9591.4	9461.3	10291.3	14504.3	TRUE
92699.9	68655.3	93290.8	85669.8	86240.5	103519.8	92055.9	99122.3	TRUE
82061.9	71584.4	56752.5	74742	142998.3	82249	75657.7	100972.1	TRUE
262989.9	233277.5	268288.2	195223.9	167793.1	270692	195656.9	148206.5	TRUE
105113.1	102096.8	104362.3	85017.6	72810.3	126281.3	109569.4	80574	TRUE
100752.7	78287.1	108151	83833.1	77027.7	197452.1	114607.1	101623.1	TRUE
38622.5	26076.6	22606.6	36663.2	54100.2	40656.4	30069.2	45485.2	TRUE
335912.5	342383.3	410212.9	314558.5	247461.8	458634.6	325063.2	264654.6	TRUE
175636.4	143456	229911.6	148910.1	119833.7	230162.8	147124.2	125470.6	TRUE
378096.6	207173.8	338879.2	311012.2	585115.6	338108	240689.9	334084.7	TRUE
226000.9	226839.4	189103.6	206396.1	185408.8	209667.3	223284.8	248327.4	TRUE
104300.6	84812.4	76797.4	93031.8	67137.6	87892.6	74752.3	77768.7	TRUE
78027.4	79910.2	89581.8	101443.1	97517.4	105295.1	84918.3	80739.4	TRUE
191717	179321.2	225874.3	207317.6	168738.2	215172.2	192472.3	160908	TRUE
445008.4	470851.8	423103.2	464110.4	394916.5	485493.6	430589.1	360924.5	TRUE
221034.5	170159.4	186613.4	239837.6	213507.5	275165.3	194868.5	293627.2	TRUE
100214.7	96002.1	108508.1	108286.3	92439.2	112390.9	104866.3	88912.9	TRUE
291977.6	230083.6	259315.3	323016.1	271194.6	283228	310162.7	254665.9	TRUE
68756.2	72993.6	65191	73201.5	74803.7	77608.8	91083.8	69528.4	TRUE
102319.5	60849.5	101745.9	98925.3	103673	89304	101078.3	95197.8	TRUE
153669	176914.6	224719.7	193255.7	204119.6	185286.1	179335.2	187344.5	TRUE
189283.3	185014.1	216090.1	220933	198128.9	202851.2	233793.4	180690.7	TRUE
154736.6	176032.8	181811.1	166475.9	163574.2	160104.3	191070.9	170203.7	TRUE
103551.2	107650.1	124119.9	115006.4	104753.4	134680	120764.4	109201.8	TRUE
443411.1	374569.4	409858.9	431924.2	481710.7	408876.5	403717.2	417720.7	TRUE
65061.8	39062.8	61909.2	51362.7	43426.2	62044	43581.4	39269	TRUE
135073.4	108887.7	120182.7	137630.6	174020	144793.6	137972.8	129705	TRUE
103270.9	100862	104851.1	89012.6	103645.8	112734.3	100606.5	104599.5	TRUE
53420.5	46764.8	49780.8	62940.5	58574.8	78473.9	66775.5	71260.1	TRUE

223298.5	205951.5	239701.7	232626.7	195733.8	226897.5	230238.6	197034.1	TRUE
32607.5	23099.3	35005	34822.4	37204.4	27357.1	24805.4	32322.3	TRUE
36050.5	32173.9	43532.2	34366.5	36608.1	45072.8	33509.3	32962.2	TRUE
246507.1	247758.7	250245.1	254958.6	270720	238321	229123.9	273068.3	TRUE
76097.3	54792.8	57338.1	69186.1	72675.4	67887.6	77344.2	61234.6	TRUE
83561.6	69441.8	74272	101965.6	78270.9	88722.5	74697.2	94565.1	TRUE
222978.8	161851.9	196693.8	171932.4	172793	237652.1	187572.4	227236.5	TRUE
25360.1	28798	34235	32468.3	28780.9	37501.9	11531.3	37586.2	TRUE
99143.2	175805.6	167696.5	143626.4	114340.8	130999.6	89677.3	109999.9	TRUE
83904.9	151370.2	112378.2	55348.5	77105.7	32621.9	193735.5	35651.8	TRUE
70419.4	56917.6	77243.1	94198.1	76339.8	55167	42723.3	56345.7	TRUE
40349.2	51544.4	42424.7	35522.6	20730.6	30662.3	37575.5	23280.9	TRUE
196342.3	113669	350875	334809.2	148046.1	236641.8	179595.8	235909.1	TRUE
61411.6	61023.9	43159.8	68311.5	43984.4	55620.6	90973.9	53687.3	TRUE
91433.6	45953.3	92999	113765.3	44831.5	82313	63126.9	73418.5	TRUE
360910	466385.1	347317.2	444917.2	329317.2	353702.7	518280.2	332455.2	TRUE
64951.8	76394.2	57302.3	52915.7	46971.6	50298.6	76796.7	49794.4	TRUE
105187	126758.9	195140.5	96145.3	96556.9	203622.3	134958.9	101004.9	TRUE
334770.5	270698.3	822560.3	211850.6	162650	763721	361777	170637.4	TRUE
30273.5	31060.8	83991.7	7795.8	20778.8	66710.8	43724.7	23024.8	TRUE
785882.7	490738.3	734620.1	763565.5	1331524	476728.7	446678	560634.1	TRUE
314452.3	133431.1	303857.4	291185.2	706729.5	220873.8	180112.6	215476.2	TRUE
652676.1	567089.3	820675.3	610954.6	578068.7	840633.5	604599.4	603000.2	TRUE
62301.6	70872	100167.3	42025.3	48886.2	93160.8	43690.8	35870.9	TRUE
102768.8	98354.6	206538.2	73008.1	74111.3	229146.1	114743.7	72392	TRUE
102283.6	110886.1	183549.3	86915.8	106386.4	177390.6	119765	98582.4	TRUE
29604.7	44098	34523.6	15100.7	5478.6	30813.8	49565.7	7186.4	TRUE
304739.4	434253.6	318157	202660.9	184177.7	324433.2	475504.1	151607	TRUE
856622.1	424256.8	1077483	1143109	981138.2	876563.5	574187.5	837535.2	TRUE
87268.1	97153.1	73493.1	59075.5	75928.1	83865.3	107912.9	85739.2	TRUE
38167.5	36308.2	67152.6	33862.2	32415.9	61653.8	64303	33632.9	TRUE
82857.9	113772.9	87170.8	82284.9	57606.6	99739.7	139290.1	69768.6	TRUE
50309.6	47025.3	58378.2	59291.2	50213.2	60144.5	62617	45747.9	TRUE
212566.8	193430.9	250447.1	247721.9	323523.8	222424.4	205725.2	191465.9	TRUE
33002.5	44054.2	57275.1	21323.3	33433.6	48287.8	29826.4	39199.4	TRUE
20966.2	30838	42174.4	9667.4	11817.6	38854.6	14255.4	11728.3	TRUE
169855.1	182352.5	116663	120372.9	188248	107503.4	92784.2	88756.7	TRUE
73177.4	58083.7	132736	63093	55836.7	159406.8	85767.9	65020	TRUE
121969.2	117843.9	190134.5	96509.1	131128.7	184038.8	125821.1	104494.2	TRUE
123333.8	148058.8	126506.3	95387.8	111390.2	140205.7	115780.7	96498.6	TRUE
230888	223011.9	317055.3	194432.5	195130.7	322302.8	246979.8	191514.8	TRUE

282816.2	240984.6	228902.6	254536.4	331244.4	331249.9	252667.3	328986.3	TRUE
44227.3	43505.2	49796.8	61966.3	54085.8	49367.4	64208.3	50807.9	TRUE
38833.1	40435.3	35445.2	39307.5	30723.6	52197.3	50714.9	43898.3	TRUE
68883.1	81662.7	75038.8	81852.2	91053.1	67832.7	83130.5	89628.9	TRUE
632861.5	515954.5	576718.6	630588	684484.3	613615	523266.3	651455.2	TRUE
208176.4	192922.8	257461.6	233269.9	180211	233499	192664.3	207504.9	TRUE
197994.7	124265.9	160277.2	162254.3	220046.7	223796.4	150752	227982.2	TRUE
282204.5	257379.7	287412.8	291674.9	309367.5	326575.9	259997.3	299412.3	TRUE
95556.6	93962.1	111456.9	91995.8	112787.4	80566.4	98663.5	96034.1	TRUE
28295.6	39203.7	36238.7	27967.3	36225.1	33441	24207.4	27820.8	TRUE
16952.7	9646.1	17784.8	11032.3	16018.1	17841.1	18724.2	5688.5	TRUE
187551.7	189396.1	189808.1	173838.6	162136.9	167399.1	185578.8	170810.2	TRUE
150568.4	118209.5	129615.2	161963.9	119357	142272.4	169546.8	130788.8	TRUE
202395.6	236871.4	223340.1	202146.2	171741.1	221254.6	202781.8	191447.1	TRUE
74381.8	64115.7	43571	89977.3	70849.3	88649.1	73411.7	105588.9	TRUE
430501.6	485162.4	333865.6	442036.5	425873.3	369607.8	466137.4	391203	TRUE
33005.2	25340.3	22938	15290.4	31073.9	27309.4	20590.9	13377.1	TRUE
463739.1	546707.5	473167.6	329675	308533.8	489076.5	576564	322297.7	TRUE
60811.5	72872	61484.9	66009.9	64403.2	67043.7	64838.7	72260.4	TRUE
67823.4	82785.6	70559.7	68917.1	59844.7	67407	72636.6	73115.8	TRUE
76846.6	93668.8	78826.5	65962	64057	73573.7	99609.5	66333.9	TRUE
47032.3	48711.9	50230	73903.3	49843.7	47603.6	51951.6	51746.3	TRUE
74802.7	68855.3	69451	82609.7	72099.5	70098	81444.9	83876	TRUE
39147.9	37643.9	40807.1	29408.3	28903.2	55712.8	44182	49497.4	TRUE
50384.7	63034.6	49146.1	71907.5	65530	47615.1	58434.1	66195.3	TRUE
130850.7	129824.4	144825.3	161276.7	163758.3	147075.5	151270.2	138422.3	TRUE
370899.3	341417.8	339630.9	414841.7	371698.4	367195.6	358917.1	359107.1	TRUE
40689.9	33564.2	35481.2	40771.5	38354.8	30252.9	40497.7	44005.6	TRUE
43927.6	81730.5	48978.2	77346.9	61624.4	43401.2	43829	60978.5	TRUE
38107.1	40362.3	49408.7	56474.4	38298.5	43255	44510.3	43749.4	TRUE
127848.2	103480.1	133878.7	144874.2	108437.6	138227.6	132476.9	117209.9	TRUE
231437.9	212008.6	196371.5	244706.6	225911.8	226516.4	220602.3	233194.7	TRUE
130599.9	124625.9	101354.1	122006.9	145398.5	157749.6	149907.3	138522.9	TRUE
140582.9	162436.1	123279.9	120132.1	148742.2	122654.2	128958.8	119839.2	TRUE
266041.4	156324	150822.7	198315	218034	238680.9	192227.9	250403.6	TRUE
35254.8	36926.9	31391.5	36669	42357.7	31302	43412.9	40982	TRUE
145758.1	109412.9	126682.6	137153.4	144061.8	131817.5	143797.1	125517.6	TRUE
63360.7	62593.5	71005.8	83752.6	83989.7	82356.5	82026.9	82034.9	TRUE
37956.5	26904.7	46745.7	43846.3	34590.8	51601.8	36731.5	62755.5	TRUE
43227.5	32977.6	45052	43941.4	51126.3	50471.3	50180.7	47311.6	TRUE
159987.5	180632.3	138509.8	175065.7	123883	169124.8	193365.9	154146.8	TRUE
37632	41388.1	38496	47011.6	44970.1	45840.4	41975.1	24520.1	TRUE
226335.9	179400.8	218000.4	242301.6	206022.6	204999.8	175715.2	213370.7	TRUE
81162.6	81083.2	120142.5	80960.2	84302.2	115908.8	110933.7	84492.1	TRUE
153931.3	174828.8	185567.8	180261.3	159211	201467.3	181019.3	166551.4	TRUE
74409.7	71850.3	114215.2	70161.9	70767.5	112014	101145.9	70284.4	TRUE

105956.8	69627.2	127391.5	100303.2	168828.7	55581.9	74683.6	73002.7	TRUE
58183.7	60978.3	95974.7	64219.6	128405	52774.9	49144.1	59462.9	TRUE
123856.9	110042.7	134347.9	133086	109888.2	161447.4	124103.2	105023.8	TRUE
51635.3	42595.1	45489.4	50016.1	46338.4	76288.1	56324.7	64077.9	TRUE
32683	34095.4	39307.9	4956.7	27134.5	32894.6	32681.8	27610.6	TRUE
89751	57824.6	150280.9	51369.9	51641.2	241650.3	68244.7	62030.2	TRUE
246128.3	132357.1	156179.9	154900.2	579984.6	148407.6	137037.2	164674.7	TRUE
229393.3	180483.9	400517.6	154310.5	128281	399744.8	226114.7	161329.2	TRUE
95891.8	82816	156665.9	89584.1	71393.8	182085	83809.3	88909.9	TRUE
168718.2	170521.6	260784.9	84694.7	108765.3	260103	140650	106485.8	TRUE
308723	252310.4	263284.1	272185.4	564246.7	250405.7	250492.7	270441	TRUE
21835.3	25906.8	32748.3	20607.5	29431.2	45387.1	40441.6	28339.6	TRUE
214286.8	81988	167978.7	142898.9	536886.1	126810	92823.3	115959.1	TRUE
25934.7	23016.1	24571.3	31759.5	26889.3	16986	31026.2	20919.8	TRUE
34479.7	37100.6	26684.7	40899.9	30590.9	42216.5	51944.2	42809.7	TRUE
162503.1	121340.9	109619.6	136783.9	151822.7	142041.1	157217.2	139970.1	TRUE
25664.8	21485.2	8523	9219.9	11184.9	8780.8	13404.2	21423.7	TRUE
50789.1	66037.4	57679	79340.7	52622.9	61097.4	53951.6	62548.2	TRUE
188160.8	196419.2	155892.3	189990.2	261195.5	162982	215913.4	270577.6	TRUE
1168381	1134156	1062113	1173994	1258847	1012415	1265664	1205789	TRUE
197648	253818.7	196691.7	191525.8	195756.1	138532.6	206335.7	186520.4	TRUE
79586.1	78872.7	84521	83732.8	94936	62324.9	82897.4	77105.9	TRUE
38098	28838.4	21822.7	29515.1	36418	26764.5	31255.3	32845.8	TRUE
62261.3	48313.3	50194.7	46040.3	42145	63409.7	52485.4	62792.1	TRUE
71187.7	72625.7	92787.8	76025.7	60280.5	70444.5	70737	64461.3	TRUE
184479	157336.8	154311	164303.7	141140.2	139903.2	163860.2	137327.6	TRUE
81296.3	57823	67590.8	58797.2	81494.7	69142.2	63955.1	73563.5	TRUE
135413.9	119668.2	126004.9	134822.3	117756	148014.3	120930.8	124360.1	TRUE
266068.4	250450.3	227145.5	287462.4	296638.5	265080.5	259610.6	308530.9	TRUE
344610.1	507909.4	433572.6	416274.4	317180.4	299626.8	509931.2	327330.2	TRUE
16537.1	29044.2	6739.2	11268.8	22469.8	4375.3	27485	25778.4	TRUE
6809.4	5161.8	6330.1	4136.6	8183.2	6851.6	11429.6	8618.4	TRUE
441998	378796	491726.3	505021	340552.8	376020.9	434158.8	418048.6	TRUE
77031.4	107283	87976.4	57502.7	107387.7	87739.5	95532.1	102196.9	TRUE
90426.4	95502.1	130938.9	133456.6	88520.5	39315.3	113884.9	39756.7	TRUE
117543.3	105227.5	86412.5	65148.2	100028.9	94164.2	110494.6	88859.8	TRUE
37511.7	40342.9	28663.8	26123.4	35550.2	25125.1	33624.4	35992.5	TRUE
83755.7	97340	85998.8	107695	114022.9	83483	113425.6	109596	TRUE

38680.9	39038.5	30293.8	36242.7	38794.6	22887.1	41272.8	31739.1	TRUE
167598.6	167363.5	169151.5	144374.3	184668.6	132912.4	179506.7	187725.3	TRUE
22649.2	28431.5	8778.4	9515.7	25950.3	19062.3	9627	25536.8	TRUE
147814	176704.3	119965.4	150759.1	166240.5	110050.4	154472.7	139057.1	TRUE
158281.1	148951.9	167467.9	174644.6	152830.4	155336	169666.4	144772.3	TRUE
80867.2	96376.1	44646	67919.5	66632.1	34222.6	59959.3	81022.1	TRUE
158461.8	164697.1	153932.6	188659.6	98610	141923.4	155179.9	140369.8	TRUE
278457.5	187227	312018.6	296377.9	235785.4	235838	206753.6	250667.3	TRUE
35166.4	31933.9	37736.1	40432.8	38779	45878.7	36056.6	48157.6	TRUE
56585.7	36105.8	40309.3	42988.1	45826.5	32440.9	52510.3	39598.3	TRUE
17726.5	6922.9	12396.8	7774.8	15854.8	7667.2	9928.4	10599	TRUE
75158.4	79164.8	76205.2	86862.1	68999.6	81720.8	83181.9	71024.2	TRUE
354239.2	305609	329816.2	350932.2	317811.8	361369.3	326145.8	364695.2	TRUE
94538.2	108654.8	123039.3	86442.2	91346.4	123184.9	124395.7	67233.3	TRUE
133614.8	87131	119941.2	100853.9	87935.5	133150.7	97117.7	91555.3	TRUE
52771.4	52843.1	49119.7	38891.8	42042.3	42139.1	43102.7	30654	TRUE
241706.4	276676.2	232861.5	241305.1	283147.3	260327.9	318816.8	251010	TRUE
145844.1	123857.7	91027.7	130995.2	114511.4	147467.7	133299.9	164207.5	TRUE
237993.6	246192.8	157590.6	209058.3	211530.2	212771.9	263180	255339.6	TRUE
754237.8	610142.8	691020.9	948474.9	671089.7	875761.3	916770	809354.8	TRUE
238667.6	263912.1	172526.8	253857.8	266433.4	230339	300029.9	288416.1	TRUE
13696.7	6936.7	14295.4	5683.9	15647.6	12488	7595.8	8857.4	TRUE
59961.1	40631.7	74117.8	50705.4	42541.6	54150.6	37907.1	52106.8	TRUE
56387	54255.9	49769.4	47429.4	39274.8	54524.4	63299.5	44535.6	TRUE
25581.3	16892.6	20416.5	28950.2	20521.5	31223.3	16315	26109.9	TRUE
740616.9	721295.9	872282.6	795671.5	813298	709491.6	731546.8	680793.3	TRUE
173106.1	178485.5	148211.6	158487.4	116847.8	155067.5	156364.9	122844.9	TRUE
117561.1	130894.5	111943.6	148729.3	128937.3	140392.5	112162.7	126910.4	TRUE
446647.5	335011.1	392570	388270.8	393058.2	396258.7	338310.5	385376.9	TRUE
29896.3	37287.4	24036.6	36261.6	26063.2	30122.8	42116.3	26393.2	TRUE
208488.7	193476.7	161789.4	186026.9	177143.5	159880.2	207973.3	177905.9	TRUE
17452.9	9091.9	25661.8	18668.1	17000.3	21246.1	21195.6	30231.1	TRUE
388727.2	370728.7	332686.5	391530.4	291694.9	314745.2	366516.5	344527.6	TRUE
101094.7	95978.6	97717.4	85578.2	101704.1	97450.8	94541.2	98041.6	TRUE
62515.2	64172.9	51890.2	71086	88137.4	52141.4	69794.6	69791.6	TRUE

576277.9	565755.8	535031	510675.6	533228.6	649347.3	554427.9	582378.5	TRUE
195190.3	133572	148468	164738.1	170190.5	197434	176056	198236.5	TRUE
150472.5	141133.8	112000.3	158132.4	189352	138140.4	167600	195274.7	TRUE
226860.1	204126.9	156197.6	208720.5	226130	235752	303409.9	259035.1	TRUE
56337	94325	83150.2	97405.8	74660.3	91603.4	85431.1	76416.4	TRUE
39180	29830.3	30789.1	40663.7	36862.4	32517.7	30293.2	35856.4	TRUE
92406.6	90288.5	93210.3	99374.4	145868.9	92405.4	91155.6	86424.5	TRUE
211284	204347.6	184061.3	186296.7	196376.6	217632.8	182555.8	191418.9	TRUE
164581.8	162948.3	161913.2	163078.9	176113.5	161052.2	147419.1	159171.8	TRUE
170275.4	137989.8	133051.2	124967.5	159442	169573.6	139122.4	161129.1	TRUE
43280.7	50198.2	49746.3	44246.3	45044.4	37484.9	35238	54024.6	TRUE
176957.7	191024.9	174134.7	183661.3	194315.2	165980.1	172855.9	200896.6	TRUE
43359.7	43766.9	40194.6	45681.5	39996.4	35114.2	41452.9	40716.7	TRUE
67965.5	64367.1	44932.8	55944.5	63089.9	70927.7	82664.1	83973.1	TRUE
774411.9	509880.1	391454.6	763585	636389.9	678388.2	690789.2	941383.2	TRUE
35614	35051.9	21286.8	39785.1	42225	45564.6	44863.4	47001.3	TRUE
135946	96873.7	66662.9	88907.9	86194.1	107728.9	111480.2	142788	TRUE
197139.2	131307.2	158948.9	271814.5	207916.3	254818.8	246369.9	292682.8	TRUE
91073.2	66027.3	64194.8	93817.4	87394.4	108299.7	86225.6	108879.1	TRUE
1036254	740981.6	791310.1	1235703	1207112	1511598	1377543	1685697	TRUE
203124.4	151097.2	114963.2	167258	179907.3	198628.7	209955	216777.5	TRUE
61276.4	52043.7	43232.3	64729	59616.9	69508.6	51279.3	62685.6	TRUE
10071.7	15898	6757.3	9665.1	7023.2	13743	11421.9	13394.3	TRUE
223106.8	186459.8	193963.2	304962.7	268021.8	357527.6	349962.6	414677.8	TRUE
65826.6	76561.1	57477.8	38475.8	46445.9	54285.9	76117.5	51909.1	TRUE
88940.7	55013.3	56927.6	92683.5	99166.2	70640.7	52800.8	99611.2	TRUE
232126.8	208329.3	249266.9	215997.5	208627.9	285148.4	213908.5	229284.4	TRUE
82997.3	86523.4	85840.2	118889.4	96792.8	117819.3	69585.1	123941.1	TRUE
64695.7	120738.5	105927.6	118918.7	131697.8	54724.6	43924.1	63287.3	TRUE
4357478	4210376	3583362	4643208	4888399	3990615	4255326	4815308	TRUE
19709940	17245913	17032225	20057479	21621108	17082202	19808152	22070252	TRUE
92413.4	84779.7	84726.5	88295.9	104967.4	90210.2	85865	94850.9	TRUE
102401.7	98570.6	112176.9	105281.6	127293.7	112092.9	108819.4	118808.1	TRUE
222778.5	216874.1	196092.4	238926.7	240001.1	203382	213052.7	271872.4	TRUE

39877.6	34997.2	30492.1	40821.5	29574.2	38573.4	39464.3	42533.2	TRUE
109754.9	90318.2	107178.4	107121	120919.8	125659	111809.5	123649.6	TRUE
794636.6	788330.6	672712.2	890477.4	731503.3	863320.2	795042.4	916354.8	TRUE
40544.2	41124.2	19658.1	23638.9	32761.5	33878.1	29896.7	22187.7	TRUE
739585.1	760296.1	565611.7	770060.3	698824.3	792010.5	820411.8	918433.8	TRUE
176445.9	148729.5	140112	159291.9	141534	224479.9	144044.8	204136.7	TRUE
246874.4	191852.6	236700.5	189236.4	200290.9	285084.5	177329.6	218979.3	TRUE
218023.8	196207	185164.5	199563.3	315823.8	209349.3	206611.7	195714.3	TRUE
185250.9	149459.7	154499.4	181861.9	132940.2	163999.2	146355	163637.3	TRUE
3863309	2719448	3024364	4254706	2798044	3407458	3351994	2816636	TRUE
271412.5	233019.1	270553.6	315154.2	261689.3	304581.7	267097.5	280724.7	TRUE
216140.3	187607.1	188935.1	213578.2	190637	218764.6	203551.2	219456.1	TRUE
208049.5	178366.9	194493.8	216124.8	192684.4	204996	191700.8	208755.2	TRUE
197627.2	158997.7	161931.6	193083.6	187946.4	171859.9	181009.8	196326.9	TRUE
32409.6	30162.5	54675.9	51398.4	56029.3	41120.4	44605	31459.1	TRUE
127423.7	100921	143637.1	135601.3	156662.5	126490.1	130408.5	127589.7	TRUE
33504.7	36953.8	22176.8	42310.5	27322.8	33854.1	15997.4	28274	TRUE
55291.2	64038.8	61713.4	56758.5	77416.5	29934	32736.5	45408.4	TRUE
94833.3	125896.1	85339.3	166193.3	150984.6	58251.6	79515.7	72484.4	TRUE
34565.1	46670.4	30126.8	61064.5	44629.5	48986.3	48088.4	54438.8	TRUE
55896.9	40103.6	36526.1	43443.2	40675.1	51057.6	40343.9	50839.1	TRUE
120352.3	89796.1	107545	123165.3	124879.9	102062.2	118392.9	131283.3	TRUE
531648.4	406952.3	411924.2	461713.3	464281.6	543773.8	468162.7	545380.4	TRUE
322634.2	239749.4	268218	249436.8	331577.9	362295.5	236787.2	333800.2	TRUE
176506.6	220453.5	173057.3	164360.4	178100.2	172523.4	169295.9	178688.9	TRUE
113707.8	121763	118125.7	137791.5	132733.5	123839.7	125715.1	119003.7	TRUE
39448.4	63139.5	48908.7	63916.5	76945.4	40226.3	45092.8	36650.9	TRUE
209420.4	129942.5	159423.5	146993.8	148702.7	176436	147221.5	224063.8	TRUE
99535.3	61617.1	70684.6	63004.2	72121.4	83998.3	63782.2	108291.8	TRUE
172533.3	156169.8	137498.1	153056	148278.1	161151	169422.1	214763.7	TRUE
762829.7	497705.5	560462.9	713343.7	581965	615094.1	438304.1	621423.1	TRUE
175594.1	157329.2	135927.4	165841.7	125751.4	139760.5	107889.6	140163.3	TRUE
603864.2	456053.9	721052.6	745430	504104	780685.8	521770.4	489624.8	TRUE
203388.9	151074.5	190529.6	223518.5	172364.3	215321.8	192523.7	162054.6	TRUE
224233.1	225169.1	220153.7	264345.6	237053.6	246176.6	214732.3	210977.8	TRUE
77537.3	49039.8	74841.5	103232.1	62630.9	79941.6	60352	49934.3	TRUE
49285.6	101767.2	79000.8	114636.4	107938.2	17176.3	19023.7	20077.4	TRUE
35622	25447.2	33783.6	25411.9	21676.9	43492.9	25024.1	30233.2	TRUE
44271.5	83318.8	116307.9	128777.7	96822.1	18972.7	12424.8	19392.8	TRUE
31166.5	24150.4	17576.5	25266.3	17191.3	28610.1	11208.6	19386	TRUE
2268855	1752414	1756229	1669357	2465111	2859680	1945409	2572836	TRUE
5025598	3409839	3232214	3367384	5268352	5990204	3925772	5898957	TRUE
252050.1	232340.9	182963.4	197252.6	278073.7	302670.5	208475.2	315302.1	TRUE
28443	36090.9	27340.6	24587.6	35141.1	51813.7	33636.5	52419.4	TRUE
33408.5	33993.9	22626.4	22820.9	30046.4	46907.3	33456.4	38375.6	TRUE

164008.2	133838.4	133051.6	110717.2	92290.6	130267.5	122128.2	99888.6	TRUE
207625.5	133506.7	235191.7	234257	160554.2	228837.8	210206	160987.4	TRUE
349235.6	279613.9	295636.9	420536.5	259626.9	365090.5	320010.9	279258.4	TRUE
74744.1	88329.8	79223.2	89145.7	63888.4	102097.7	81046.4	81298.5	TRUE
51658.8	84866	68444.4	100069.8	75947	49429.3	57835.5	38691.1	TRUE
150477	101713.2	152814.4	144525.2	167842.2	153592.5	117491.5	155260.9	TRUE
142299.4	84376.5	141931.1	138876.1	90666.3	177361.9	113290	97353.5	TRUE
331704.3	245441.4	388034	379927.3	227429.1	360605.8	279503.2	261448.8	TRUE
98480.8	57336.6	117210.2	111932.3	64665.4	127797.7	88075.3	73338.5	TRUE
128397.8	122675	124148.5	128626.7	71570.8	126966.8	107014.2	81140.5	TRUE
57395.8	38631	71855.4	55940.7	64985.2	38602.8	46530.3	51481.8	TRUE
244766	180356.5	269125.6	259329.1	183879.6	242786.1	196317.7	163836.2	TRUE
143164.5	130942.1	142704.1	170145.2	110780.9	174201.4	127343.3	124103.7	TRUE
112334.7	144177.1	111791.6	144415.7	96126.6	141872.8	112155.4	118882	TRUE
254445.3	431658.7	314664.1	437905.3	351301.3	187934.1	214688.6	205514.1	TRUE
39403.5	31994.4	42941.5	47672.1	29716.6	38321.9	39917.8	14562.2	TRUE
46735	67190.5	75290	92629.1	74629.9	46406	39060.2	36779.8	TRUE
40373.2	49288.5	43497.7	35942.9	40260.4	33530.4	49536.1	37973.1	TRUE
43818.5	53032.1	38834.4	47754.1	44816.9	35638.8	42504.2	34940	TRUE
145144.9	109494.6	101075.7	124371.9	90868.9	121761.5	129064.8	118200.4	TRUE
204284	185344.8	308808.8	278258.5	245627.5	277759.6	235210.1	269483.4	TRUE
57996.8	41770.1	82404.2	71473.7	90035.7	98246.9	56820	94074.4	TRUE
80969.6	58742.3	69657.5	87685.3	47380.7	116636.5	56294.7	86311.1	TRUE
24680.3	9630.9	28580.3	11300	7861.5	52568.1	14316.6	12664.5	TRUE
255362.7	180231.8	194627.7	184260.7	234267.1	261323.6	246640	275608.9	TRUE
45429.4	36062.4	41091.6	51012.7	42135	55260.8	37536.5	53974.8	TRUE
893460.5	835811.6	1097362	1432083	922483.1	1345384	1245735	1053943	TRUE
61487.1	70248.8	94691.4	113121.9	95033.3	101114.7	117256.7	95840.4	TRUE
222463.8	447572.9	297788.8	489344.6	526864.8	117843.4	116085.5	147928.4	TRUE
1707775	1244153	961679.4	1213665	1266292	1532149	1071106	1875020	TRUE
672897.2	473135	527895.1	633710.5	619639.3	742460.1	535366	768562.8	TRUE
285557.6	257335.4	330159.6	309014.8	326963.4	360589.6	225797.9	301084.5	TRUE
4536621	4354663	4420780	4851826	4380694	6962902	4905835	6311084	TRUE
116438.8	86282.2	106756	136407.6	87231.8	114536.2	96739.8	106413.1	TRUE
4065183	2628063	5662472	7068206	4366771	5902372	4210638	4616289	TRUE
54333.1	48640.7	62117.7	53629.8	49329.6	63816.7	49914.8	36245.8	TRUE
30678597	22573556	37040266	38596994	25851299	37872859	26455511	28915680	TRUE
146434.1	134135.3	155664.8	171393.9	140255.9	189239.3	133805.5	125900.6	TRUE
105793.3	84401	105646.6	81211.8	100021.2	85394.2	87532.3	96498.9	TRUE
237335.9	204285.5	151921.5	201139.2	182950.4	137660.7	183315	162044.5	TRUE
256541.8	282076.9	185591.5	269925.1	290893	217968.5	255470.3	328489.9	TRUE
433492	400210.2	381817.6	395894	430277.2	420228.3	449599.4	491957.4	TRUE
65014	93704.9	57706.5	109664.4	94779.8	43581.3	54377.5	66705.9	TRUE
112691.3	199029.8	167109	158589.3	160755.6	75598.5	102224.9	68641.4	TRUE
309823.2	312711.1	284332.7	296145.8	312796.9	322868.1	342682.7	290150.1	TRUE

348516.5	366665.4	320588.3	350360.5	330610	311272.3	336529.3	323468.8	TRUE
2329738	2240267	1671055	2356718	2247427	1788460	2312136	2273200	TRUE
39062.5	73912.3	54684.4	83535.2	91995.2	31726.8	12991	29463.1	TRUE
603265.3	536814.7	567894.9	581754.1	505876.6	587649.7	580111.6	565526.2	TRUE
1288213	1207864	1205035	1286136	1156295	1308357	1321781	1332711	TRUE
47630.8	51835.5	37222.2	39057.1	47854	45195.2	35465.5	46007.2	TRUE
33103.3	34441.7	33322.6	43240.7	27920.8	39577	33054.6	31613.8	TRUE
44271.3	50202.9	44184.1	34917.3	45226	41231.9	53861	44821.7	TRUE
55140.3	50641.4	46516.4	43078	47041.6	60553.2	47144.4	64854.8	TRUE
45389.9	49925.7	33519.2	55178.6	34279.6	33595.6	45851.3	50167.7	TRUE
42125.9	41269.7	31909.8	32550.1	36095.1	35875.1	33627.1	30721.5	TRUE

146318.2	142797.4	112691.2	148921.4	127213.5	168985.7	178999.9	149184.6	TRUE
110988.5	107808.4	71111.8	95081.6	104764	125867.5	106655.7	134132.2	TRUE
193781.8	157258.1	123807.5	194047.7	182221.1	249617.4	213227.8	270513.3	TRUE
19831	18876.6	4309	13960	21772.3	21962.7	25893.4	27200.3	TRUE
194325.9	143309.6	162431.5	202372.4	164815.1	230275.3	222020.9	232876.2	TRUE
98038.1	89721	98493.2	92633.9	83423.6	92995.9	111257.4	122557.1	TRUE
796189.6	615559.6	403340.2	684314.1	609873.5	708970.2	836757.2	905065.8	TRUE

151287.3	93594.2	111807.4	151401.4	121659.3	137782.2	133247.2	159059.8	TRUE
231452.9	151142.6	193002.2	178242.5	240121.8	253585.5	238041.2	259882.6	TRUE

55986.7	57284.7	57651.6	70574.4	65290.3	49181.6	53442.2	44707.5	TRUE
113582.1	126363.3	103021	183105	106068.3	87948.6	123527.9	86610.3	TRUE
316653.8	304108.2	125634.4	514137.9	232378.6	180091.7	305398.1	251742	TRUE
104834.2	83831.5	71471.5	57620.7	97875	75585.9	81616.7	102997.4	TRUE
340672.1	368281.7	268026	648588.7	379805	299481.1	463520.5	363852.3	TRUE
130448.9	125248.9	128590.7	129733.2	210860.5	174011	183638.6	213661.9	TRUE
546153	489114.9	613818.3	650859.2	387156.4	1172541	522706.7	1120809	TRUE
130509.3	160299.1	137652.6	129149	128620	106462.7	156125.6	101269.3	TRUE
23588.4	39988.2	31576.2	41028	32670.9	12017	23440.2	33026.5	TRUE

375110.3	381636.5	243364.2	246565.2	352333.9	285549.9	292103.5	375559.3	TRUE
83273.3	74686.7	54110.6	67655.8	75881.9	51058.4	59041.3	80279.1	TRUE
104803.6	106563.5	82524.2	61952.1	109673.1	94133.4	85957.9	85929.5	TRUE
276590.6	261755	264336.5	252191.6	376040.7	278026.2	337336.4	329414.4	TRUE
76472.6	74184.4	78234.2	52654.7	132888.5	79804.3	94071.5	131662.9	TRUE
74236.4	74644.4	87070.7	79941.4	112209.5	92413.4	75569.5	120050.5	TRUE

148246.1	185413.4	166151.3	158828.3	175900.9	99668	209584.1	116933.7	TRUE
164008.2	133838.4	133051.6	110717.2	92290.6	130267.5	122128.2	99888.6	TRUE
207625.5	133506.7	235191.7	234257	160554.2	228837.8	210206	160987.4	TRUE
349235.6	279613.9	295636.9	420536.5	259626.9	365090.5	320010.9	279258.4	TRUE

74744.1	88329.8	79223.2	89145.7	63888.4	102097.7	81046.4	81298.5	TRUE
51658.8	84866	68444.4	100069.8	75947	49429.3	57835.5	38691.1	TRUE
150477	101713.2	152814.4	144525.2	167842.2	153592.5	117491.5	155260.9	TRUE
142299.4	84376.5	141931.1	138876.1	90666.3	177361.9	113290	97353.5	TRUE
331704.3	245441.4	388034	379927.3	227429.1	360605.8	279503.2	261448.8	TRUE
98480.8	57336.6	117210.2	111932.3	64665.4	127797.7	88075.3	73338.5	TRUE
128397.8	122675	124148.5	128626.7	71570.8	126966.8	107014.2	81140.5	TRUE
57395.8	38631	71855.4	55940.7	64985.2	38602.8	46530.3	51481.8	TRUE
244766	180356.5	269125.6	259329.1	183879.6	242786.1	196317.7	163836.2	TRUE
143164.5	130942.1	142704.1	170145.2	110780.9	174201.4	127343.3	124103.7	TRUE
112334.7	144177.1	111791.6	144415.7	96126.6	141872.8	112155.4	118882	TRUE
254445.3	431658.7	314664.1	437905.3	351301.3	187934.1	214688.6	205514.1	TRUE
39403.5	31994.4	42941.5	47672.1	29716.6	38321.9	39917.8	14562.2	TRUE
46735	67190.5	75290	92629.1	74629.9	46406	39060.2	36779.8	TRUE
40373.2	49288.5	43497.7	35942.9	40260.4	33530.4	49536.1	37973.1	TRUE
43818.5	53032.1	38834.4	47754.1	44816.9	35638.8	42504.2	34940	TRUE
145144.9	109494.6	101075.7	124371.9	90868.9	121761.5	129064.8	118200.4	TRUE
204284	185344.8	308808.8	278258.5	245627.5	277759.6	235210.1	269483.4	TRUE
57996.8	41770.1	82404.2	71473.7	90035.7	98246.9	56820	94074.4	TRUE
80969.6	58742.3	69657.5	87685.3	47380.7	116636.5	56294.7	86311.1	TRUE
24680.3	9630.9	28580.3	11300	7861.5	52568.1	14316.6	12664.5	TRUE
255362.7	180231.8	194627.7	184260.7	234267.1	261323.6	246640	275608.9	TRUE
45429.4	36062.4	41091.6	51012.7	42135	55260.8	37536.5	53974.8	TRUE
893460.5	835811.6	1097362	1432083	922483.1	1345384	1245735	1053943	TRUE
61487.1	70248.8	94691.4	113121.9	95033.3	101114.7	117256.7	95840.4	TRUE
222463.8	447572.9	297788.8	489344.6	526864.8	117843.4	116085.5	147928.4	TRUE
1707775	1244153	961679.4	1213665	1266292	1532149	1071106	1875020	TRUE
672897.2	473135	527895.1	633710.5	619639.3	742460.1	535366	768562.8	TRUE
285557.6	257335.4	330159.6	309014.8	326963.4	360589.6	225797.9	301084.5	TRUE
4536621	4354663	4420780	4851826	4380694	6962902	4905835	6311084	TRUE
3866072	3364673	3662435	4894023	3599446	3813189	4352926	3703739	TRUE
140473.5	294806.6	197394.5	304316.3	308888.7	151847.2	137162	124872.5	TRUE
373873.5	337502.5	377828.5	443574.4	306667	484039.3	400544.9	447523.9	TRUE
94105.2	82745.3	90855.6	74517.8	66901.8	75943.1	75713	61723.4	TRUE
208630	180220.1	161853.2	147680.6	131624.4	176480.5	145801.9	155456.3	TRUE
253119.5	164947.1	204241	178389.1	159946.8	205626.1	180989	141243.5	TRUE
164008.2	133838.4	133051.6	110717.2	92290.6	130267.5	122128.2	99888.6	TRUE
207625.5	133506.7	235191.7	234257	160554.2	228837.8	210206	160987.4	TRUE
349235.6	279613.9	295636.9	420536.5	259626.9	365090.5	320010.9	279258.4	TRUE
74744.1	88329.8	79223.2	89145.7	63888.4	102097.7	81046.4	81298.5	TRUE

51658.8	84866	68444.4	100069.8	75947	49429.3	57835.5	38691.1	TRUE
150477	101713.2	152814.4	144525.2	167842.2	153592.5	117491.5	155260.9	TRUE
142299.4	84376.5	141931.1	138876.1	90666.3	177361.9	113290	97353.5	TRUE
331704.3	245441.4	388034	379927.3	227429.1	360605.8	279503.2	261448.8	TRUE
98480.8	57336.6	117210.2	111932.3	64665.4	127797.7	88075.3	73338.5	TRUE
128397.8	122675	124148.5	128626.7	71570.8	126966.8	107014.2	81140.5	TRUE
57395.8	38631	71855.4	55940.7	64985.2	38602.8	46530.3	51481.8	TRUE
244766	180356.5	269125.6	259329.1	183879.6	242786.1	196317.7	163836.2	TRUE
143164.5	130942.1	142704.1	170145.2	110780.9	174201.4	127343.3	124103.7	TRUE
112334.7	144177.1	111791.6	144415.7	96126.6	141872.8	112155.4	118882	TRUE
254445.3	431658.7	314664.1	437905.3	351301.3	187934.1	214688.6	205514.1	TRUE
39403.5	31994.4	42941.5	47672.1	29716.6	38321.9	39917.8	14562.2	TRUE
46735	67190.5	75290	92629.1	74629.9	46406	39060.2	36779.8	TRUE
40373.2	49288.5	43497.7	35942.9	40260.4	33530.4	49536.1	37973.1	TRUE
43818.5	53032.1	38834.4	47754.1	44816.9	35638.8	42504.2	34940	TRUE
145144.9	109494.6	101075.7	124371.9	90868.9	121761.5	129064.8	118200.4	TRUE
204284	185344.8	308808.8	278258.5	245627.5	277759.6	235210.1	269483.4	TRUE
57996.8	41770.1	82404.2	71473.7	90035.7	98246.9	56820	94074.4	TRUE
80969.6	58742.3	69657.5	87685.3	47380.7	116636.5	56294.7	86311.1	TRUE
24680.3	9630.9	28580.3	11300	7861.5	52568.1	14316.6	12664.5	TRUE
255362.7	180231.8	194627.7	184260.7	234267.1	261323.6	246640	275608.9	TRUE
45429.4	36062.4	41091.6	51012.7	42135	55260.8	37536.5	53974.8	TRUE
217016.3	131954.3	100717.9	115291.6	170103.9	200594.4	138202.7	220959.4	TRUE
116789.5	80956.8	87398.3	106763.2	126877.1	154371.7	92340.9	137183.2	TRUE
167419.4	101464.4	110223.5	162095.6	161008.3	170752.5	123480.4	169948	TRUE
55364.8	95751.8	75832.7	129235.4	98786	39083	36947.6	40263.7	TRUE
226244.7	234141.8	301177.1	323913.2	262029.7	280092.3	262901.5	238987.6	TRUE
73237.6	57576.4	114747.5	107469.3	96090.6	124017	102407.9	82521.5	TRUE
114872	103657.8	152685.7	167186.7	134164	182302.6	147907	158582.8	TRUE
259792.4	297961.4	296751.6	338055.2	276764.4	329585.7	310854	303347.6	TRUE
290583.8	605137	433304.9	728433.8	883200.9	150510.9	131271.3	173369.8	TRUE
305037.5	679865.4	425192	611702.2	759615.7	153921.7	118302.9	154550.2	TRUE
37296.1	22422.1	29347.1	28815.8	34311.7	37677.5	23263.3	43753.4	TRUE
910634.3	700325.1	998374.9	1249057	1591487	1300390	880866.9	1300804	TRUE
19940092	15700372	21027021	21128373	19571855	26169665	19498295	27007957	TRUE
698947.4	1549534	1172990	2035155	1847047	498130.9	488345.5	562465.9	TRUE
759645.4	520647.2	677827.1	862170.7	639028	1037252	701197.3	913021.1	TRUE
55466.6	32580.1	34558.1	58974.6	10594.2	56357.6	40351.5	51368.9	TRUE
44061.5	38976.9	75618.1	81696.5	51378.4	60130.7	55869	54528.3	TRUE
151125.4	159975.8	98270.2	169085.8	133693.5	108942.9	149381.8	141915.2	TRUE
127335.5	122742.3	157608.6	88323.9	97277.9	172568	101563.4	111306.2	TRUE
41648.7	36760.7	10645.6	15465.6	11644.8	23331.6	13409.7	10078.4	TRUE
1160740	1101513	890991	1183754	1208873	953957.4	1239948	1225271	TRUE
491394.3	474272.5	365494.4	492441.6	516319	372161.3	541657.1	536985.5	TRUE
118416.8	159408.9	136050.3	122975.3	186291.2	91524	89080.8	109781.9	TRUE
107139.1	157332.8	76541.8	98128.3	135189.6	78314.9	95471.3	90538.4	TRUE
269816.9	279200.8	194435.4	253240.5	296421.4	200260.2	345495	291333.8	TRUE
160162.6	208203.8	137778.8	163401.9	185995.9	128640	188407.2	179777.1	TRUE

2355648	705400.7	640023.5	454855	534636.8	363891.9	488492	467055.5	TRUE
47879.2	63902.1	43960.2	69655.8	81914.4	28503.4	38927.3	50824.7	TRUE
103844.4	116381	75198.9	104577.7	144581	90435.8	147658.8	121325.5	TRUE
116633.1	142052.2	94265.3	128453.7	123716.6	96670.7	145842	136771.7	TRUE
11601.5	16080.7	24961.2	7356.2	12036	24853.7	33274.1	11194.4	TRUE
145865.2	137812.1	173480.7	130015.7	208042.5	164807.6	173432.8	189264	TRUE
150517.6	148618	120404.6	154452.9	157760.1	124218.7	183508.3	147309.4	TRUE
800763.6	834534	591361.7	833982.4	855577.2	612283.1	879228.3	898720.2	TRUE
223196	201187.7	299425.2	261270	163990.6	209763.1	223586.4	200615	TRUE
487943.2	487441.2	603101.2	614126.4	441439.4	501241.3	520041.8	468407.7	TRUE
318635.6	327460.2	193614.7	204035.5	286934.2	201697.2	277541	273923	TRUE
734113.4	802965	319930.5	370049.5	562417.8	321544.8	599788.5	583728.7	TRUE
290816.2	309967.4	246534	261482.3	362083.6	242714	311068.9	331427.6	TRUE
210628.7	272827.7	201954.2	188220.4	257823.6	138963.1	240187.6	201550.3	TRUE
279992.2	307641.2	282827.7	258045.7	281008.5	320327.2	315578.1	279075.8	TRUE
117254.5	121433	119726.6	93416.3	143759.6	90721.1	90171	135665.6	TRUE
32327.3	42959.3	29453.5	30784.9	47729.3	14324.9	27583	34517.8	TRUE
1237679	1187655	1343904	1244185	1016669	1097687	1280213	997897.3	TRUE
1409168	1397402	1594436	1543799	1109606	1240490	1589607	1207975	TRUE
393589.6	450219.5	329853	315519.9	356312.9	336948.2	390230.5	385970.3	TRUE
132535.6	152935.7	120860.5	113583.7	117411.8	117306.2	150805.1	119644.8	TRUE
383826.5	346451.6	529641	425426.6	399139.4	491038.3	407057.6	379397.4	TRUE
30422.4	46412.2	36322.9	42336.6	42259.3	18585.8	26416.9	8744.3	TRUE
3169823	2848610	3649131	3601177	2755852	3025270	3039411	3016449	TRUE
515794.8	479110.5	521777.3	596693.2	414905.7	449419.5	544139.8	506495	TRUE
14854.6	6631.7	11024.8	22216	14046.3	5479.2	5602	20846.2	TRUE
171820.3	179015.4	175291.6	210569.5	191174.7	202851.9	221502.2	200207.8	TRUE
105842.2	120875.9	68735.5	89483	69421	65763	81363.8	82678.9	TRUE
282528	275926.5	241507.1	236263.8	276221	237536.2	295503.3	268620.9	TRUE
269768	260228.1	218563.7	233502.5	225164.1	246406.1	273034.8	239060.4	TRUE
386722.3	362688.5	396387.8	445367.2	353110	377961.5	392998.2	377165.5	TRUE
627754.7	576335.4	601850.7	563008.9	564673.9	587883.8	586741.2	591683.4	TRUE
959563.9	739686.9	953255.6	1040709	739536.1	820343.3	822492.2	739912.8	TRUE
1623226	1623466	1744453	1760708	1409718	1631724	1552118	1481698	TRUE
1412333	1435582	883340.5	1022678	1129193	887074.2	1257750	1098305	TRUE
1340272	1356105	1262956	1471563	1562535	1300304	1750594	1523834	TRUE
437842.3	446443.2	404101.3	517275.4	513605.8	440250.5	583885.7	544053.3	TRUE
1521061	1383407	1649745	1721166	1280102	1479654	1470747	1436172	TRUE
4183669	3660932	4390861	4631657	3477942	3978085	4019148	4014362	TRUE
314579.4	286666.4	260012.1	324682.3	382148.5	312582.4	324844.5	382206.5	TRUE

349286.8	305209.1	253550.8	301453.1	369905.1	253481.8	341003.1	439164.3	TRUE
78071.7	66270.8	69723.2	82508.5	112406.6	63539.9	99778.3	114772.8	TRUE
220636.7	285003.8	252425.2	296950.5	167773.3	305846.4	322810.8	266304	TRUE
48288.5	34092.9	37938.5	56803.2	55771.4	36510.3	57027.9	59416.9	TRUE
956518.2	894345.4	808349.6	1092802	956495.2	830779.8	922075.9	964739.9	TRUE
631778.9	631184.9	558268.9	699501.6	625108.7	577177.2	594854.7	681079.7	TRUE
66156.6	57503.9	56080.5	73705.5	86351.2	23709	27718.8	24975.5	TRUE
1060810	1053907	1193290	1064912	921181.6	1152667	1021717	1109256	TRUE
151125.4	141250.2	114181.8	127048.2	139378.4	112040.7	116166.3	140841.1	TRUE
141399.3	145668.3	90109.4	111672.6	122782.6	85607.2	103715.1	101827.5	TRUE
620466	530552.5	550788.6	747700.9	823893.3	608306.8	641486.1	802648.9	TRUE
169032.6	151875.6	158524.8	204256.1	181557.7	167723.5	199612.4	225027.8	TRUE
55200.4	62001.7	64213.2	77788.7	64940.9	53615	52159.7	62237.2	TRUE
48054.7	120349.8	55668.8	68775.6	82486.2	44497.9	35984.9	48338.4	TRUE
221929.6	228691.9	285732.7	252627.3	225849.4	265193.2	260640.5	252527.6	TRUE
147021.4	117690.4	173552	177295.1	173240.8	164950.9	157658.1	136183.5	TRUE
204958.7	274215.3	168478.6	210544.8	221548.2	206269.1	202751.3	243560.7	TRUE
151606.4	142313.9	162572.1	153447.2	133789.4	150378.1	167111.5	133651.8	TRUE
64516.9	63010.7	55487	55059.4	52571.3	38508	45957.1	56217.5	TRUE
82333.9	75712.6	93937.6	98066.4	88093	99381.9	85600.4	95479.9	TRUE
52719	47627.1	68396.3	60993.9	61729.9	84253.7	80797.7	57356.4	TRUE
75240.8	76652.4	80510.3	102709.8	82758.3	90640.2	92469.3	83731.3	TRUE
202748.9	206460.9	210353.9	197224.8	214427.5	204548.9	181545.1	180717.7	TRUE
162905.8	137647.3	91934.3	135878.2	187667	148777.2	173897.1	241576.1	TRUE
72607.5	74373.6	47360.4	71276.2	85347	81818.9	82184.9	146582.6	TRUE
122931.1	136342	95315.6	133436.9	96043.2	117965.9	188632.1	130033	TRUE
95518.9	116365.8	111341.1	100859.6	79412.1	102784.9	142418.8	137698.9	TRUE
76700.3	64821.1	55281.8	72169.1	60628.1	90581.6	75976.6	77312.8	TRUE
410417	342401.3	482370.5	357890.2	400303.6	456707.1	419596.2	360297.3	TRUE
41420.7	41924	48100.5	53145.8	50841.7	54096.5	62469.2	56666.9	TRUE
562904.2	444064.1	516460.5	573475.8	550312	555698	531303.3	519264.2	TRUE
521043.8	502028.9	531096.4	506862.9	532751.5	568037.2	475320.2	657022.3	TRUE
14761.3	9166.2	8656.9	13784.7	15877.3	18333	12390.9	8512.9	TRUE
54359.1	35111.1	63103.4	49220.8	37792.2	43239.1	38709.7	48321.1	TRUE
3289033	2369244	3410683	3269393	2906559	3549638	2168956	3019572	TRUE
2429015	2261125	1869514	1914855	2699274	2486468	2319815	2397508	TRUE

709453	717316.8	536568.4	619156.6	830030	743574.3	710998	797509	TRUE
34547.7	35926.6	31967.3	41992.6	42531.3	55239.6	43898	36513.4	TRUE
85297.2	53904.6	73594	88198.9	84760.9	81497.7	74483.5	89283.5	TRUE
43892.7	11310.3	40423.6	49270.2	41810.7	45975.7	27501.5	47306.1	TRUE
14471.6	20550.2	16118.7	7855.9	10519.7	12750.9	11213.5	20538.2	TRUE
128110.3	125665.3	103690.3	134364.8	105325.6	125370.9	135551.6	148966.3	TRUE
232106.5	215657.5	160127.9	296678.8	345623.4	162645.1	242764.8	309710	TRUE
23057	32019	17785.5	35618.8	33500.1	16061.4	36834.4	37055.8	TRUE
24527.3	21645	12257.7	27079.5	29922.7	16059.6	22664.1	31806.3	TRUE
55895.5	46139.8	49719.1	46453.2	61437.9	43777.4	55533.9	64676.8	TRUE
23553.3	35469	25201.1	32361.2	15266.9	43690	35998.9	27170.8	TRUE
264537.3	318235.2	273743.4	269230	156907.7	348114.7	370977.7	313576.3	TRUE
27585.4	34432.4	29852.2	10355.4	21152.6	29569	40134.7	38536.3	TRUE
146227.5	139124.4	121055.9	117779.8	127374.9	169747.8	163913.4	171142.5	TRUE
82044.1	136912.6	117218.1	90198.8	129181.3	90547.3	85968	73583.7	TRUE
103532.4	133002.5	90705.9	149842.1	143384.7	80249	102603.1	96539.7	TRUE
1497690	1456233	903572	1031922	1630154	1484436	1679944	1658249	TRUE
181730.1	161886.7	210753.2	232991.9	168735.1	202526.5	181905.8	180359.3	TRUE
184018.4	141844.8	126136.6	149100.5	170542.7	198691.2	136814.2	219149.9	TRUE
294768.1	215100.3	313380.7	334316.8	227540.6	319030.9	179610.9	212459.5	TRUE
346387.1	263622.4	334259.7	380856.1	270476.6	383435.8	243621.7	263470.6	TRUE
239685.8	166471.5	172702.7	184528.8	256903.9	295791.4	184640.9	297250.1	TRUE
196224.8	176600.7	164823.9	158261.3	215974.5	266330.6	194220.3	259912.3	TRUE
1045502	845577.9	809570.4	750766.5	1086033	1406063	902292.1	1338920	TRUE
139081.6	77946.1	81406.7	114734.8	101368.4	143066.1	108950.2	125892	TRUE
99017.4	44756.9	53851.8	92987.9	67316.8	111289.4	46511.5	102149.5	TRUE
132297.7	96346.6	98786.2	146721.4	110315.7	173998.5	128840.8	155896.7	TRUE
679649.1	404642.7	557698.4	985974.9	621729	1015276	707123.5	979179.8	TRUE
65482.5	70642.6	75817.4	94494.6	108131.8	63806.1	54070.3	66871	TRUE
4536621	4354663	4420780	4851826	4380694	6962902	4905835	6311084	TRUE
18990876	12860630	18402183	22229113	13332961	18933267	13591359	14975058	TRUE
188238.5	152653.9	194332.3	207739.2	178857.4	277612.8	189357.9	224092.5	TRUE
54333.1	48640.7	62117.7	53629.8	49329.6	63816.7	49914.8	36245.8	TRUE
30678597	22573556	37040266	38596994	25851299	37872859	26455511	28915680	TRUE
146434.1	134135.3	155664.8	171393.9	140255.9	189239.3	133805.5	125900.6	TRUE
950924.7	886145.7	943098.1	957369.5	997964.5	892513.4	955347.3	1010738	TRUE
25387.4	25059.4	26154.6	11128.5	33376.6	37499.2	25593.2	21865.5	TRUE
17747.2	24730	6806.6	22102.4	9317.2	15383.8	10669.3	8652.3	TRUE
38270.4	30861.8	17433.2	28658.8	27777.2	19713	30682	23509.3	TRUE
16835.1	8539.5	8788.5	26081.8	18321.5	16839.6	20899.1	9304.5	TRUE
222349	223556.6	183874.3	274960.2	281555.8	204522.3	254217.9	260664.4	TRUE
221664.9	239021.2	224226.9	232027.7	232799.5	213189.3	262459.6	223111.9	TRUE
52150.4	51631.1	21640.6	36020.7	32166.6	29977.3	44113.1	49552.4	TRUE

86810.4	90395.8	106093.6	131084	109172.2	118063.6	116392.8	137946.4	TRUE
40811.9	37425.3	54169.4	63022	60296.3	48138.9	58139.5	59375.2	TRUE
16931.3	10505.7	9858.9	9569.1	20348.6	13770.6	7907.5	17900	TRUE
57568.7	56439.9	72605	66028.6	51626.5	60123.4	74894.7	56602.6	TRUE
64791.3	61131.7	70678.5	63073.4	58704.8	51240.3	58446.7	60173.3	TRUE
261116.5	308991.8	264100.1	323985.9	308570.7	265698.5	281109.7	305228.4	TRUE
33136.9	30780.3	24110.7	28529	26502.1	19537.7	29304	29573.1	TRUE
200977.9	180468	147738.5	174109.4	147585.8	201928.2	164047	176096.9	TRUE
68174.1	70646.7	85829.9	95213.8	80820.7	81584.3	86195.6	65322.2	TRUE
65874.8	104587	85165.9	97088.5	97476.1	74618.8	95378.4	71793.2	TRUE
37598.7	57506.9	49477.3	61526.1	65668	41028.9	59259.1	47397.7	TRUE
748889.9	752526.7	766853.1	739501.3	692704.3	815564.9	813119.5	660084.5	TRUE
210787.5	252687.6	255263.7	239832.1	213439.3	313571.4	271017.3	233761.3	TRUE
465208.2	336749.3	449398.8	478668	550552.4	405697.4	383834.3	407323.6	TRUE
18831.5	12920.7	10509.6	29726.4	32565.2	17533.6	13999.1	29738.4	TRUE
390191.4	352327.2	544791.9	278989.5	224463.1	599713.7	379095.3	249841.9	TRUE
680042.1	716733.3	985590.5	592529.3	405443.5	1018909	792085.4	425836.5	TRUE
28056.1	42757	31386.2	35539.5	41861	24952.6	13127	9574.1	TRUE
20539.7	27499.8	17347.1	7190.2	20088.1	18206.5	13126.1	24492	TRUE
81706.2	84365.5	113307.7	87786.4	83633.6	97748.6	101709.9	88445.9	TRUE
55077	41126.6	56125.9	49606.7	34858.8	77827.7	72854.8	56653.9	TRUE
93358.1	97043.4	127754.5	84330.1	83818.7	126363	106357.9	69881.3	TRUE
53565.9	51069.9	70403.4	42234.4	40681.4	85371.8	63979.3	40899.6	TRUE
36625.4	35056	26964	25637	30000.7	33614.4	39001.3	35094.8	TRUE
247113.1	222534.7	286583.3	313649	311798.8	461082.1	300006.5	526798.1	TRUE
496876.2	503519.9	338327.9	420490.3	378628.4	355340.8	437932.7	380103	TRUE
906253.5	862906.1	888608.8	944327.3	743293.8	832495.1	782817.5	793170.9	TRUE
319189.3	375720.1	358853.1	197484.7	186248	391327.2	350519.9	204837.2	TRUE
269600.2	305030.5	426073.9	271751.4	264588.8	441486.3	422751.1	243188.3	TRUE
185521.7	185841.8	227126.8	150755.6	176896.1	222462	215697.4	168743.6	TRUE
202579	141825.4	257476.7	242916.3	247750.7	165140.3	159358.3	173369.9	TRUE
2620048	2374735	2032129	2369695	2224843	2429537	2475132	2405783	TRUE
201517.7	183206.5	172036.2	184496.3	179394.9	228325	205661.1	213492.9	TRUE
114260.9	335578.6	175717.3	332923.5	361179	52492.3	56067.5	69793.6	TRUE
13140655	11499461	10998626	12285273	11584240	12405951	12277331	13110401	TRUE
454140.2	420318.1	423231.4	431469.7	438056.7	453495.2	464114.9	459575.4	TRUE
1332474	1138228	1209768	1281427	1177461	1306357	1159336	1283335	TRUE

855056.2	938284.2	970259.6	695603.3	543015.1	1107929	979515.3	641328.1	TRUE
511146.9	395993.3	523263.6	520302.1	606356.8	436932.1	401545.4	460810.2	TRUE
585507.2	479417.2	694855.6	663366.9	700207.2	474162.7	440938.9	547588.9	TRUE
103268.6	121739.8	161606.8	107515.5	109899.6	95436.3	124940.4	119116.2	TRUE
53230.2	47512.5	32806	45920.6	45593.3	56593.8	41043.4	68351.6	TRUE
67687.4	89154.3	41084.7	52015.6	89073.3	68980.4	108337.3	106013.3	TRUE
791058.9	764352.3	570863.2	753619.1	713685.3	667836.7	756859.8	830534.8	TRUE
5802.4	10232.5	11248.9	3571.4	13165.7	6800.7	6632.2	9337	TRUE
25547.1	25924	16564.6	19666.7	26987	19828.1	30845.1	11655.5	TRUE
52866.6	45593.2	42185.1	49716.3	52618.2	61129	53042.4	55222.1	TRUE
22335.7	26538	23260.4	28111.7	14244.5	21361.4	28749	32978.7	TRUE
301714.8	249874.6	213857.5	321886.6	254095.8	253246.9	245989.7	261960.6	TRUE
47275.5	65542.6	32134.8	36886.2	37790.2	52596.5	41818.5	46030.5	TRUE
430241.3	382567	385590.9	403911.9	363830	486768.2	392978.7	501273.3	TRUE
68276.5	63828.7	41837.6	41883.1	40487.2	34604.6	38521.7	42236.4	TRUE
73788.8	76565.2	64059.5	72775.6	76600.1	78797	75783.2	68361.8	TRUE
81230.3	90911	84773.2	93606.8	104181.6	79089.7	117525.3	83458	TRUE
74351.6	97168.9	62353.8	83127.6	92208.6	93760.8	74336.1	93116.8	TRUE
35207.5	39645.8	35687.3	30197.4	41496.6	26102	47435.6	37717.1	TRUE
367635.1	384460.2	418237.5	424359.3	365752.2	459504	410091.5	409997.8	TRUE
1573765	1411899	1353067	2509142	1536561	1458597	1450080	1386487	TRUE
35461.2	28419.7	29130.7	14867.6	28770.9	19106.8	14215.8	30282.6	TRUE
31164.8	37285.7	31329.4	35953.5	42288.6	37608.6	39867.2	43453.4	TRUE
36939.6	9419.9	25982.5	37345.2	31781.9	31258.4	38679	39187.2	TRUE
20987.3	13465.2	22822.8	24894	16659.2	22801.5	13008	21983.6	TRUE
23782.8	26787.9	33934.2	32896.2	35061	20317.5	10670.8	22209.2	TRUE
21412.6	19196.2	4615.1	12199.7	19475.2	9050.2	10124	13895.8	TRUE
154126.9	176490.4	103832.8	151529.9	154100.9	108041.7	170038.2	186497.7	TRUE
2649275	2495854	2113954	2499363	2792563	2288143	2546639	2913892	TRUE
36876.3	37470.8	41015.6	44239.7	38406.3	34132.3	42109.2	35724.9	TRUE
6283606	5609516	6544413	6727967	7309711	6292119	5984001	7389750	TRUE
27727.4	31271.4	37170.3	40899.4	31987.2	40515.3	45691.3	29686.4	TRUE
27910.3	26611.4	24838.4	24195.2	22259.2	26294.6	35593.7	29770.6	TRUE
145434.7	110277.6	163864.7	112137.1	105670.8	156046.3	127601.8	90355.6	TRUE
195156	147530.9	232959.1	160738.2	129574.2	241914.7	166053.8	137161.9	TRUE
295486.5	216800.3	272145.3	294063.6	412775.1	250026.9	228072.7	267533.6	TRUE
224499	178679.2	244532.8	222147.1	374528.5	202622.4	188611.2	275641.3	TRUE
148026.5	188890.6	210142.5	139369.2	142900	237595.8	169205.9	131987.3	TRUE
243680.3	229819	329162.7	199613.4	179493.7	347851.1	292756.3	195696.6	TRUE
178908.6	121959.4	208392.8	201714.3	205495.7	144124.5	166071.3	152610.8	TRUE
290940.7	225439.6	410085.5	268201.8	348545.4	231437.4	226092.1	230240.9	TRUE
297643.8	223234.4	312667.4	309489.4	401979.4	266900.8	217199.6	276256.3	TRUE

216314	218326.7	270771.3	217540.2	326120.5	213646.7	203197.8	221774.6	TRUE
33813.9	39521.3	46324.6	36270.8	79866.3	27265	25260.6	24571	TRUE
793825.2	703988	1514750	690980.4	554138.1	1609905	825763.3	605798.8	TRUE
624902.4	590693.8	1153130	538885	430656.8	1256234	677973.8	520466.6	TRUE
1658145	1258440	1611164	1587849	2532533	1157532	1368625	1320654	TRUE
98294.9	95869.1	161730.9	104330.7	78102.8	173452.8	114760	87734	TRUE
51364.5	29513.4	35047.1	46206.7	40166.5	51022.8	39127.3	55676.5	TRUE
124721.4	114449.8	83277.3	117604.4	82592.8	134491	119124.2	117440.3	TRUE
174237.3	132819.8	130731.6	169493.7	161933.8	169608.3	159799	178864.9	TRUE
58407	100556.8	90353.8	121394.8	125652.8	48685.8	40364.9	53158.4	TRUE
87788.2	80026.5	61486.4	72125.3	68761.1	70068	71201.8	61227.5	TRUE
305151	318629.4	298811.7	337375.5	297046.2	338832.6	333645.1	292509.8	TRUE
526904.3	494352	514910.1	557124	433548.6	549531.9	543642.3	528821.9	TRUE
195107.6	145918.2	210756.2	195690.5	198570.9	198650.2	191525.9	210587.1	TRUE
139087	127839.1	124930.2	123451.7	123539.1	136897.1	142090.7	113528.1	TRUE
116127.4	123720.6	95483	112201.9	148979.7	102036.4	137088.6	138465.1	TRUE
49826.5	43604.2	41994.8	54461.9	38609.6	39219.1	38303.3	40125.2	TRUE
372407.6	471630.2	435727.4	299148.3	182772.3	474726.8	449347.9	230284.1	TRUE
318755.6	372604.9	383566.4	280982.5	189656.5	387343	444039.9	191748.4	TRUE
265848.7	154493	347752.9	326236.9	300677.2	240150.3	194193.1	226435.6	TRUE
704380.3	321585.8	927783.2	891882.7	865479	497732.9	428930.9	559918.2	TRUE
216747	160403	182415.8	208872.7	194131.1	206266.7	178502.1	169557.7	TRUE
56698.7	61782	47891.4	22736.5	29411.5	38717.5	66749.3	38172.9	TRUE
96101.3	154665.4	181712.2	94804	93345.8	202679	195985.8	66650	TRUE
85566.9	38074.9	71806	196726.9	116135.9	67257.3	68123.3	54637.5	TRUE
32020.1	30763.2	40290	45699.7	45405.4	24673.1	18223.1	30370.1	TRUE
16394.4	10803.3	12239.2	4916.2	3888.5	21726.5	13446.3	7544.2	TRUE
99660.7	99090.8	76113.9	65544.2	60394	118648.1	135710.5	73968.8	TRUE
15389.3	14999.3	10202.8	20671.4	17059	11686.1	6621.6	9274.3	TRUE
86970	95945.4	100653.1	88244.5	99147.5	108907.9	129420.3	67696	TRUE
133939	195565.3	187721	107503.9	79154.8	190875.8	237352.8	94137.5	TRUE
97403.3	46824.9	94786.1	99671.9	87351.6	70137.7	71125.1	89031.1	TRUE
90000.6	145521.2	101573.6	76045.7	58273.2	101496.9	120480.7	58845.2	TRUE
89946.2	97199	82472.4	88989.4	94703.4	86775.9	91630.3	76331.3	TRUE
63091	67952.6	54682	51254.2	61808.2	53260.9	46083.3	70378.6	TRUE
343001.6	310205.2	283105	371565.2	362814.2	308305.5	348317.3	300610.5	TRUE
95792.2	75309.3	94595.4	125617.5	112542.6	102661.8	87339.9	110102.2	TRUE
92938.5	62696.2	67942.4	92155.2	87566.6	69474.9	98537.2	109355.5	TRUE

81608.4	69311.5	81439	69235.8	78544	33778.1	70834.2	103751.7	TRUE
94736.1	76684.6	72053.9	63333.9	108837.2	67172.1	83882.3	138435.7	TRUE
98610.8	103773.5	121926.4	96309.5	113536.4	108655.9	94603.4	101921.7	TRUE
149045.2	144589.4	141699	147532.3	145585.5	143529.3	148961.3	165100.3	TRUE
375539.2	385214.2	333627.5	357759.4	360364.8	386665.5	430729.6	408365.1	TRUE
221593.8	291987.7	109002.5	275154.1	476818	134204.7	380196.5	461949	TRUE
86440.5	102973.7	41367.6	92601.1	187790.5	49490.4	147367.7	165809.1	TRUE
71352.6	95050.9	34019.4	60068.4	170284.7	49486.3	93398.7	162794.9	TRUE
49329.3	93511.8	25627.9	63182.2	131734.2	25896.2	88812.1	132771.3	TRUE
43195.5	78262	29471.2	66087.7	153504.5	33272.7	85273.6	132506.1	TRUE
21547.2	39715.6	21567.9	28845	46347.7	4803.5	44443.8	49329	TRUE
758131.1	927812.5	376278.3	675068.3	1206747	348192	913627.8	1159516	TRUE
2955053	3586065	1849959	3740378	4650492	2002432	3827447	4405788	TRUE
90858	93080.4	57336.4	60522.7	67829.5	54938.8	60722.8	72419.5	TRUE
239790.2	230251.2	231288.7	289898	539385.7	327082.8	309036	333894.1	TRUE
93275	84496.8	89863.3	92382.3	82645.3	83072	96500.4	82825.7	TRUE
159879.9	156620.2	262979.6	160091.4	133816.1	162625.7	198180.5	154819.8	TRUE
191110.9	276158.8	193542.4	270784.3	213510.4	184132.9	283309.9	145603.4	TRUE
293937.9	307834.5	299166	319889.1	212655	289941.5	315044.3	254943.8	TRUE
276384.4	241226.9	286380.5	252574.1	228517.1	281326.8	272995.4	235817.9	TRUE
335402.6	332404.7	303263	330125.9	278742.4	311186.2	357303	280399.3	TRUE
95367.9	115114.9	112321.5	124217.4	95374.2	123520.5	99451	113217.9	TRUE
133521.6	104044.8	114101.1	160338.3	133337	140735.6	153724.4	127478.3	TRUE
281938.3	274159.1	249528.6	238947.6	217927.9	215710.3	253022.1	237570.5	TRUE
188963.8	145947.1	213156.3	231947.4	259333.3	237607	182371.3	226334.4	TRUE
1399433	948115.8	1363851	1391413	1472285	1362934	1018541	1308121	TRUE
178064.1	140813.7	136598.8	119308.4	132108.6	136451.2	132441.7	176628.5	TRUE
94256.1	70510.6	94304.5	117902.1	101112.5	117960.6	110471.6	116574.7	TRUE
172435.4	152573.3	193238.9	214508.4	186934.9	189370	138890	194013.2	TRUE
1283765	1351503	1327114	1468322	1263110	1505160	1431141	1247377	TRUE
80059.9	65098.5	71314.8	50641.5	66701.8	58831.4	80618.4	65853.4	TRUE
327964.3	347868.9	353473.9	342590.4	248258	367335.2	385741.6	297707.8	TRUE
24196.4	47204.2	61732.3	31238.6	35686.4	37279.9	33232.4	34955.7	TRUE
109073.8	91365.7	214993.8	110687	107494.4	233754.8	103465.7	83558.7	TRUE
445151.1	382122.5	253636.9	287446	501042.8	342184.4	279150.6	383913.6	TRUE
199592.7	156844	309964	157466.3	125975.2	388390.4	205024.6	158688.5	TRUE

50557.8	40560.3	67335.5	35936.2	20464.7	93841.6	45112	24016.7	TRUE
295003.1	239563.1	410868.4	305997.4	192541.5	584889.6	334422.2	308311.7	TRUE
65619.2	49860.3	50346.2	58778.7	111122.2	52075.8	52080.2	64162.4	TRUE
37392.7	46222.8	55207.2	64014.1	38223.4	62411.1	55339.7	37452.5	TRUE
65208.4	66114.8	94118.3	110908.2	60811.6	90850.9	58604.3	49798.6	TRUE
220613.8	205153.5	241988.7	224209.7	184140.3	303122.6	190672.8	207122.6	TRUE
977041.7	644794.3	815462.9	801231.2	1285258	976702.4	686941.4	909041.9	TRUE
135966.3	79170.5	95013.9	75690	185792	142574.8	91931.4	155161.5	TRUE
55570	51156.4	66564	63378.4	42334	75401.9	44577.9	41046.3	TRUE
87291.9	96637.1	143511.1	105087.2	67276.4	162831.9	72932.9	46469.3	TRUE
125530.6	98251.5	89931.9	128984.9	188453.8	119615.1	109200.8	138512.2	TRUE
36242.4	34209.2	58982	33761.5	37614.6	56800.1	41878	32231.2	TRUE
60807.1	53865.2	87421.8	69713.2	61555.4	100088.9	75577.9	69736.2	TRUE
34359.7	32467.3	73585.3	48812.5	20088.9	84532.8	51697.8	32229.8	TRUE
42511.3	38850.3	66910.1	42995.3	35591.8	67859.4	48598.9	35263.5	TRUE
150312.5	111242.1	213645.2	105397.1	107345.3	224853	128779.4	100471.5	TRUE
84722	61902.1	112298.1	54577.5	70608.3	103415.8	66539.6	58488.6	TRUE
50054.4	24211	78923.4	66545.7	44421.5	83947.8	58989.2	51707.7	TRUE
14937.2	9439.3	38066.1	11877.2	7730.4	36228.5	28843.4	18994.6	TRUE
20004.3	23575.8	21558.1	30720.8	18405.6	26385.6	22096.8	16944.2	TRUE
25269.2	30585.3	35813.7	22279.6	23913	29297.8	30794.5	30216.6	TRUE
40500.7	26916.4	41604.3	43731.9	27969.7	50099	36379.6	26350.7	TRUE
47676.7	46403.5	79855.1	37062	34414.8	100636.6	48481.2	43733	TRUE
332391.9	356065.6	240038.8	344313.3	440152.9	256114.3	395147.8	509206.6	TRUE
368353.9	345444	347032	388176.3	358683.1	364431	367489	409317.3	TRUE
217245	215209.4	228221.6	271702.7	262139.9	196216.9	247181.3	249874.3	TRUE
111174.5	112554.7	76331.5	98843	114619.5	109626.6	85827.1	135959.7	TRUE
580470.9	658822.7	548541.4	531972.5	532891.5	548602.1	604190.1	602851.2	TRUE
89270.9	75665.3	94065.6	112948.6	100804.1	116937.5	128298.7	135798.9	TRUE
87464.3	56813.5	33854.8	66643.7	65782.2	61240.2	64315.2	77717.8	TRUE
80177.9	69457	37694.3	49898.9	60331.3	55423.4	68525.9	85094.4	TRUE
35241.8	34178.7	25337.9	29151.6	36285.9	27206.4	35081.3	58242.2	TRUE
292520.2	195005.4	177059.8	329036.1	322924.1	338349.1	348408.9	462261.9	TRUE
7125.7	23186.6	13329.6	5729.8	18643.4	10247.3	14759.3	16219.3	TRUE
12386.7	5001.4	7337.1	8256.9	22113.3	11551.5	17660.5	21599	TRUE
28005.3	55344.8	26613.1	28038.6	19095.1	20881.8	55091	24248.5	TRUE
137622.1	114695.9	118301.4	126533.1	119054.9	199127.3	188716.7	170783	TRUE
224095.9	190216.5	219325	209032.9	230961.3	242191.3	227775.7	233270.6	TRUE
210941.4	229452.1	230381.3	244400.1	231097.2	237825.5	242301.1	236307.9	TRUE
431274.8	459072.1	359176.4	492507.7	435701.4	432290	508811.3	425288	TRUE
453924.2	477090.6	402815.3	475655.8	389563.4	391316.7	465175.1	372721.4	TRUE

38874.1	70316.5	41805.5	81278.1	72765.9	37871.5	17015.2	16005.2	TRUE
566515.6	498361.5	617238.9	625740.5	565700.6	646236.6	525032.5	638292.8	TRUE
878644.2	694321.3	855325.8	858448.9	893661.8	814381.6	782436.4	911822	TRUE
284684.5	280308.2	277659.4	295594.1	247073.5	261852	306592.2	236823.9	TRUE
248951.1	282927.9	240590.7	214459.3	221503.6	241667.8	257961.8	227434.4	TRUE
574297.9	422386.8	586394.1	665341.2	464133.1	528717.2	409174.6	518874.6	TRUE
257849.8	254294.3	300174	287847.3	235473.4	235430.6	212594.4	257043.9	TRUE
31533.1	52282.5	15538.7	22484	41766.5	32607.6	26464.8	37977.7	TRUE
196805.9	188071.8	157367	172072.7	158013.5	193465.5	192539	153785.9	TRUE
309603.5	393095.7	292528.9	356387.8	399158.3	327326.1	365343.7	419153	TRUE
122446.7	118149.1	135932	128025.1	129176.3	135593.8	151646.4	167308.9	TRUE
316937.2	319411.7	307692.4	354932.9	388480.6	283737	337089.2	311718.9	TRUE
1086948	1151068	855751.2	1110655	1063090	916244.5	1056025	1119891	TRUE
85192	72159.3	63499.1	84760.1	77578.9	80238.9	108680.9	94425.5	TRUE
118074.5	87394	72801.7	123968.4	102693.5	133675	124130.7	110640.8	TRUE
110814.2	100631.3	92918.1	99437.8	102236.5	112712.6	102210.4	119088.9	TRUE
105931.1	114743.6	87909.3	115052.2	82990	122364.8	97363.5	120726.6	TRUE
145908.8	115129	125856	151301.3	122706.5	180969.2	161325.7	168507.5	TRUE
193437.4	226152.7	126749	192956.1	257124.5	124808.1	220110.8	195222.4	TRUE
135952.7	182286.7	80859.8	147978.3	161403.5	99967.6	155771.2	170150.5	TRUE
38560.5	46605.4	39919.3	57735.6	58148.2	37706.2	64782.3	60305.8	TRUE
159486.6	201783	166365.2	200004.9	115774.6	187751.4	188800.3	190825.9	TRUE
178003.6	186924.3	201207.6	224929.3	117327.4	196971.5	189769	191099	TRUE
240429.5	273451.6	172643.8	136760.4	150672.4	188175.1	234389.8	148936.7	TRUE
261288	315572.6	207336.5	175249.2	167615.3	232907.3	236458.8	171598	TRUE
425150.2	536337.3	487901.6	438893.6	379319.6	521362.7	621418.3	401461	TRUE
415350.4	517016.8	494751.1	424980.5	367846.4	521032.1	582804.8	384119.4	TRUE
401718.4	327513.8	467990.9	487977.3	521357.7	380081.4	354930.6	389335.1	TRUE
304360.8	519988.3	357881.1	297506.3	247075.5	337750.8	393750.9	245702.2	TRUE
1197802	1123501	1353508	1259413	1128252	1206717	1235903	1236181	TRUE
1021231	1056804	1219057	1214728	1024935	958952.3	1120690	990194.8	TRUE
53013.2	44669.4	37452.9	35245.1	34185.3	58526.1	90725.4	71848.9	TRUE
353988	383876.5	219760.8	273160.7	241162.3	370627.6	539662.1	332424.9	TRUE
1033789	696272.1	1302312	1506931	1030286	899826.3	968020.1	1193736	TRUE
116151.2	65056.4	148288.9	133850.7	96282.7	115252.6	105569.6	115474.2	TRUE
59142.8	80258.4	55328.8	47608.1	62337.7	49247.6	65474.6	57896.6	TRUE
59529.9	74106.3	57749.4	47855	67660.4	78941.7	85134.1	46631	TRUE
61882.2	91232.5	142590.6	91484.1	76066.4	97037.2	69776.1	55443.8	TRUE
75793.8	41901.7	46588.7	38433.9	50558.3	70193	63182.8	70078.9	TRUE
159556.9	140525.4	129685.9	142783.8	158133.8	159893.8	171418.1	186774.8	TRUE
34834.4	31364.5	38253.2	29409.2	25756.8	35325.1	30576.1	32310.4	TRUE
6377.7	7739.9	14774.9	18966.6	6445.7	17105.3	7172.2	17881.2	TRUE

361007.2	393022.9	284090.3	355951.8	266461.7	341189.3	421393.5	303954.9	TRUE
47556.5	47524	44255	47727	31058.6	47790.6	38821.3	33730.9	TRUE
95224.4	69550.3	136610.4	123220.2	81982.1	122686.1	103736.6	92305.8	TRUE
118404.2	140659.7	140282.3	124386	102446.1	136553.9	149355.3	90271.4	TRUE
34102.1	33188.5	38255.7	36727.6	34765.1	43445	32929.9	31859.7	TRUE
78664.1	62072.7	76118.6	71841	78230.8	68804.7	77323.4	70819.3	TRUE
238800.6	261264.8	221671.8	197933.9	216474.8	213395.2	249821.2	252042.1	TRUE
602035	509762.7	679035.4	692829.7	572834.9	554359.9	580413.8	539122.5	TRUE
1712671	1523719	1949354	1984999	1657193	1675037	1595192	1697949	TRUE
59343.9	47825.7	61923.3	60913.3	61044.6	66021.7	61619.1	57562.3	TRUE
1537062	1457203	1370790	1403479	1636173	1714039	1448186	1686352	TRUE
348368.1	324300.3	326037.8	398873.9	371532.7	341519.4	349575.3	387627.3	TRUE
148496.7	111708.5	128738.2	126012.4	127431.4	127387.9	123877.3	142537.1	TRUE
345677.4	240710.1	253742.4	291623.1	273088	331066.9	318116.7	352672.7	TRUE
940963.9	819676.7	730822.9	1009583	1116388	1022843	922590.9	1040713	TRUE
224837.4	212357.6	199576.2	213284.8	201141.6	219285.9	193573.9	240775	TRUE
225947.7	219220.9	219030.4	195061.8	221664.7	239151.5	199019.5	256192.1	TRUE
17747.5	7058.7	33943.8	23869.6	9900.1	22381.2	8984.2	9867	TRUE
86698.9	90942.6	129853.2	72539.2	74442.1	139832.7	77891.7	72771.8	TRUE
210477.5	174165.8	316431.9	174120.2	162557.2	298156.3	149645.1	152824.4	TRUE
711823.3	753028.1	524770.8	621264.2	694897.2	570374.8	711363.6	673608.1	TRUE
1520954	1347976	1797178	1783499	1379197	1206546	1574225	1318371	TRUE
854512.2	829564.4	902465.3	957199.7	734975.4	741871.1	864004	748693.1	TRUE
57837.9	48062.9	52301.4	59822.8	51861.6	49701.8	44839.7	52598.2	TRUE
65416.3	112375.2	31107.5	74094.1	121368.2	45648.5	97864.4	105078.2	TRUE
64405.8	111685.5	47811.6	91967.4	107170.4	50159.9	104001.5	108771.8	TRUE
243578.6	276866.5	303541.2	279729.5	226028.2	271377.9	248793	259388.8	TRUE
56511.7	62494.5	81174	52391.7	51821	74457.6	71775.4	57362.4	TRUE
95891.3	98874.1	76634.6	60121.4	80708.5	97723.5	103135.7	84124.9	TRUE
15853.3	26474.9	21681.7	14226.5	22059.7	23093.4	23143.6	11726.4	TRUE
50177.7	52209.9	52108.1	48237.2	63013.1	42117.6	48717.8	45527.3	TRUE
113861.9	135175.5	95959.5	103689.8	100065.4	108600.9	160464.2	101378.8	TRUE
151144.9	143248.3	234799	212427	178224	202771.3	167543.4	181152	TRUE
28406.1	32658	24385.3	31550.6	31823.9	29684.9	34355.7	33378	TRUE
39832.8	41273.9	53737.5	33984.9	29174.3	34490.4	32112.2	28357.8	TRUE
292482.6	333115.3	265621.3	254812.5	240963.6	321726.9	321268.9	239733.9	TRUE
109945.3	115932.6	134181.2	122537	90807.9	145442.4	125334.3	120268.2	TRUE
263532.9	250351	276078.5	295091.5	256672.1	222963	220876.6	252608.7	TRUE
35954.6	67673.9	56484.6	41708.9	44974.5	40133.6	44204.3	34901.4	TRUE
85754.9	89515.8	72219	82249.8	80721.4	83766.9	113453.5	87137.4	TRUE
88445.1	83922.4	124465.5	103287.3	90034	76742.7	79967.3	71582.5	TRUE
141837.8	163663.9	191391	160753.3	157930.2	139748.6	131411	128134.5	TRUE

145346.2	124338.6	140860	122374	92215.9	176483	168532.8	105288.9	TRUE
87383	80585.9	70405	103108.6	61766.6	75373.7	89122.9	89526.6	TRUE
37531.2	30892.5	50246.7	55511.1	44963.6	33608.9	37594	44458.5	TRUE
443369.3	318792.7	430734.3	444477.4	351097.7	424456.2	356586.6	425902.2	TRUE
268323.2	273409.1	302517.5	321757.8	303975.7	304256.6	268377.6	287601.3	TRUE
112969.9	109112.7	106075.8	125866.7	102325.6	102933.9	118453.8	110365.4	TRUE
1001818	836155.3	809095.7	1103095	871868.6	846100.5	961350.3	854734.2	TRUE
1055453	921594.7	1076149	1013322	860252.2	1172893	917114	1090063	TRUE
1318059	1143359	1279472	1206672	1184958	1284397	1058045	1314791	TRUE
207594.9	216987.4	183082.6	226269.3	196406.5	215422.3	203273.5	222289.8	TRUE
746796.6	625960.2	641144.6	698340.6	708981.6	856817.9	715275.6	750603.3	TRUE
275172.6	221460.5	126317.7	459606.4	208985.7	227633	268901.9	264688.1	TRUE
186457	141177	129315.1	165482.8	175393.6	195517.9	197931.8	210188.3	TRUE
642386.5	495371.2	521769.2	649218.6	455053.3	1374245	534585.9	1291552	TRUE
576068.4	379836.4	309543.3	432584.3	469355.5	533328.7	566981.1	620195.7	TRUE
46253.4	28870.6	36338.9	38966.4	47844.6	57527.8	50551.4	61201.1	TRUE
70326.2	45561.6	45856.7	50413.7	58258	58206.8	73553.5	76821.2	TRUE
445442.9	436577.6	450903.5	379681	367526	460479.1	431634.3	341110.6	TRUE
126813.7	109206	140339.4	118876.6	155433.7	125663.9	114539.2	139990.8	TRUE
50735.9	56591.8	35805.6	42119.2	45840	45044.4	58757	47401.1	TRUE
43242.2	40294.1	41810	50981.5	32589.1	57138.6	40921.6	44583.3	TRUE
410417	342401.3	482370.5	357890.2	400303.6	456707.1	419596.2	360297.3	TRUE
41420.7	41924	48100.5	53145.8	50841.7	54096.5	62469.2	56666.9	TRUE
14761.3	9166.2	8656.9	13784.7	15877.3	18333	12390.9	8512.9	TRUE
54359.1	35111.1	63103.4	49220.8	37792.2	43239.1	38709.7	48321.1	TRUE
35044.3	31004.3	25432.1	40453.2	30838.8	24916.5	14654.7	14035.6	TRUE
136403.6	149221.2	141598.6	154193.4	119395.1	137004.1	162062.7	130980.2	TRUE
51735.2	35925.1	36449	54260.1	59436.2	77517.9	57270.2	60036.1	TRUE
29638.5	21186.5	21642.1	30961.4	41528	26463.4	16836.3	45137.2	TRUE
75344.3	41030.6	45400.3	58110	52388.1	70579.4	66393.5	71324.4	TRUE
20546.1	10345.8	15413.7	31361.3	22950.9	29075.1	30220.4	34536.9	TRUE
34245.3	28521.6	25807.9	26908.6	31943.8	37635.1	30041.7	34943.1	TRUE
18041.4	36982.9	38066.5	34006.6	25676	31843	23787	28114	TRUE
45973.5	33893.4	39328.3	13188.1	36616.3	34761.3	26553.2	37926.5	TRUE
80779.5	71037.7	89457.5	64435.7	67234.8	82993.4	62698	74873.1	TRUE
77791.4	80743.6	75679.3	101269.3	87695.4	92399.2	100550.9	75315.6	TRUE
12172.3	11601.1	8187.8	9367.8	11509	21579.6	14193.8	18214.6	TRUE
114326.8	100737.1	108479.4	123365.9	97900.3	123251.2	110449.3	98936.6	TRUE
99177.1	137093.4	114586.6	136803.3	69678.7	79113.3	154318.4	87002.7	TRUE
239774.2	223467.9	154354.2	163517.2	130792.9	154929.1	175218.7	150530.8	TRUE
189832.1	199030.5	141188.4	152509.9	225774.1	132316	227112	225657.3	TRUE
146306.9	178001.4	126570.9	154111.2	204764.8	131577	191898.4	216830.6	TRUE

100884	151697	117209.2	112068.4	147282.4	107338.9	148900.1	137459.9	TRUE
111484.8	141251.5	102499.3	94852	145698.3	135123.7	155208.2	145488.9	TRUE
37650.4	84179.6	38539.1	41833.5	106561.7	45220.5	50107.6	38371.3	TRUE
353854.2	450704.8	410081	459553.1	376011.6	287755.4	464777.3	321202.9	TRUE
197912.2	252976.1	252393.9	230840.8	158405	163924	291057.9	163210.9	TRUE
5076.5	23503.6	3088.6	13912.8	23180	4688.7	9910.2	20260.3	TRUE
397377.3	469652	251686.2	329142.2	509597.6	254795.5	500762.3	556185.8	TRUE
117982.1	98330.6	96734.4	117758.2	76155.7	77530.3	125698.4	77612.2	TRUE
51621.9	50588.4	32608.1	41878.6	53129	50427.3	57281.6	45393.3	TRUE
17850.2	10714.8	17123.5	26590	23252.7	10347.6	13171.3	11440.7	TRUE
42634.1	43902.8	38323.1	40683.1	57441.6	53652.5	50436.4	53411.4	TRUE
46264	60765.6	33427.3	52251.1	45147.6	46066.7	49563.9	54214.1	TRUE
67964.8	73636	49751.8	66623	69356.8	108189.7	79796.9	81065.6	TRUE
96329.2	112188.5	93083	106358.1	103036	97528.1	110468.2	104226.5	TRUE
123653.5	104150.1	96944.3	98451.2	104195.5	233616.1	137107.4	147439.9	TRUE
126654.6	113341	134090.5	120405.8	95112.2	144090.6	148009.7	112194.4	TRUE
40810.3	25690.1	30827.9	35101.1	46880.8	50185.9	32752.2	38439.5	TRUE
23533.6	43568.5	29695.8	20549.6	21000.1	24162.4	28015.8	33587.2	TRUE
176500.6	187871.8	138520.1	143884.5	151275.1	169409.1	149730.2	164900.4	TRUE
350658.9	356219.9	476740.5	317213.9	230347.2	487128.9	431359.7	283064.8	TRUE
956970.7	586920.1	1052252	1029799	1229991	812312.7	652780.6	844252.4	TRUE
424684.7	569187.3	414798.6	250282.1	244005.3	373637.6	385427.9	229502.8	TRUE
597206.6	625757.5	787067.9	539176.2	397552.3	898814	764226.5	423614.6	TRUE
434645.9	380235	548287.7	441302.7	550476.3	413990.9	335610.6	405871.7	TRUE
645232.1	414279	766157	782435.4	928858	528255.3	348554.9	541142.8	TRUE
390191.4	352327.2	544791.9	278989.5	224463.1	599713.7	379095.3	249841.9	TRUE
680042.1	716733.3	985590.5	592529.3	405443.5	1018909	792085.4	425836.5	TRUE
28056.1	42757	31386.2	35539.5	41861	24952.6	13127	9574.1	TRUE
118834	75117.2	127089.1	145427.4	167201.4	96516.8	74125.3	107011.5	TRUE
115056.5	82253.8	146094.1	134736.5	171951.1	80805.5	76611.5	82253.4	TRUE
137004.7	126494.7	199967.9	92325.3	89993.5	217437.4	139615.7	106763.5	TRUE
312305.6	325956.3	389424.9	315780.6	322977	408262.6	397441.4	318705.9	TRUE
90374.3	79859.6	109320.6	100705.6	122503.1	89362.6	93146.9	84843.6	TRUE
31306	29879.7	46484.8	32949.7	22604.5	44146.9	39514.4	23105.3	TRUE
593641.7	687642.2	969077.5	394646.1	361691.4	1018790	643617.5	435895.4	TRUE
982683.6	637392.4	1058681	991426.8	1696483	673915.3	707359.9	819286.6	TRUE
151360.3	157377.6	192108.1	125668	101658.9	238014.7	156759.6	123520.7	TRUE
1195569	860768.2	1002472	980836	1676780	1098443	940834.6	1509202	TRUE
25894.8	12187.9	21722.9	6449.2	19523.3	42179.6	12621.3	16552.9	TRUE

31524.1	30886.3	24154.8	27633	29780.8	41713.4	15705.3	33034.9	TRUE
228741.8	222462.3	200685.4	204987.9	202315.9	236939.3	251940.8	224940.8	TRUE
246304.6	204044.3	235299.8	271821.4	264390.6	319967.1	296618.4	291796.1	TRUE
85141.8	76666.1	84636	69307.6	77456.6	96892.8	75804.1	81978.9	TRUE
157397.9	116034.9	102200.2	122243.5	108357.3	229381.1	152627.3	136160.3	TRUE
257561	187674.3	256811.4	266664.9	324855.8	215359.1	231623.9	241114.9	TRUE
107238	141021.1	115454.2	142661.3	102538.8	130925	120726.5	111368.8	TRUE
471803.2	534682.2	428284.2	423607.7	392584.7	414534.6	599197.6	435462.2	TRUE
396200.9	466137.2	376323.7	398854.4	357669.6	434769.3	506309.2	418745	TRUE
92862	99602	84837.1	107969.7	123224.6	81871.6	94826	98481	TRUE
33747.3	49986.6	79149.7	34463.7	45682.3	30769.1	43225.9	33885.5	TRUE
42812.5	86552.6	222045.8	47503.1	51448.5	48444.5	57944.5	58341.8	TRUE
27773.8	12205	6827.9	36737.2	19613.9	22501.5	11076.9	12837.4	TRUE
45055	141207.2	207399.2	35814.5	29547.6	31166.8	29916.2	32121.6	TRUE
219178.3	228374.6	191537.7	237550.8	180598.3	196447.8	236734.8	200315.3	TRUE
259142	251275.2	268833.9	333741.2	270141	267880.2	235507.2	293978.4	TRUE
50462.9	60967.9	44931.9	37488.1	38248.2	50878.2	49734.3	37737.2	TRUE
244390.4	217921.9	232881.2	216094.7	239798.8	229960.9	254847.4	218865.8	TRUE
124279.9	158237.8	122523.1	119689.5	121255.1	148661.9	144663.9	126714.2	TRUE
124501.9	124611.9	188677.3	127100.5	101778.7	180711.1	116961.7	97013.3	TRUE
186796.8	227245.7	300548.6	229526.1	170535	340327	257477.9	185492.6	TRUE
20838.7	20217.4	20650.5	6830.2	3906	14782.7	8851.3	9633.9	TRUE
200071.5	190483.9	249328.8	120163.8	157232.4	313985.1	192589.5	149831.2	TRUE
151262.2	156695.2	241669.4	126776.5	134127.3	229566.2	166760.7	109798.5	TRUE
87060	84739.3	107842.4	74717.4	87752.7	134393	88897.6	81827.4	TRUE
51041.1	56977.4	101977.1	53104.9	62081.2	107340	76971.6	56185.9	TRUE
119238.9	126869.6	136304.2	119524.8	105550.7	149312.2	131334.8	102147.4	TRUE
94752.1	74702.3	126946.5	112868.6	73538.3	139473.2	107247.1	104183.8	TRUE
59524.2	56521	103991.7	53893.1	52993.7	92030.7	77146.8	70226.7	TRUE
328019.1	381936.8	470604.9	265793.5	262721.5	534302.2	405290.9	275584.2	TRUE
562757.2	449816.6	647222.5	618373.3	989311.5	488280	480148.6	471234	TRUE
31269.5	33318.8	51411.7	9544	20260.3	66965.1	14574.4	10707.6	TRUE
220583.1	176329.6	306532.7	193073.9	136066.8	324606.7	214343.2	146766.4	TRUE
113984.6	128527.5	142818.8	103980.1	101944.7	144535.9	136192.3	77933.2	TRUE
45929	37834.3	63510.4	33299.8	19137.8	62729.3	47474	31227.4	TRUE
175081.3	205979.3	219955.9	141351.7	150232	208372.6	185214.2	144691.7	TRUE
66703.8	77035.4	107124.9	63628.8	54927.7	107349.3	92424.6	55835.4	TRUE
155448.2	157417.5	249083.1	57036.1	124250.1	285549.6	156357.4	130069.4	TRUE
235538.1	147689.9	201418.8	190111.9	494031.5	70252.5	172870	118118.7	TRUE
24929.4	34431.5	45515.7	34746.3	27367	33537.1	21738.3	27914.8	TRUE
56395.6	48549.4	41569.4	94242.5	38670.2	63945.9	66859.8	49620.1	TRUE
26516.5	10088.3	29304.4	6229.1	11726.2	23919.7	23707.9	26552.2	TRUE
342993.4	410711.5	280899.5	328372.4	378168.3	277526.7	431064.4	386513.2	TRUE

56907.1	59595.8	67004.4	63709.9	60242.9	59663	64031	54205	TRUE
50276.8	49468.8	52250.4	57295	40746.1	50405.3	48726.6	42432.9	TRUE
75995.1	75297.9	67889.5	76658.8	60487.7	79629.5	71393.2	63351.2	TRUE
2130152	2024748	3258706	1331745	1377263	3196801	2041951	1344522	TRUE
349413.7	386420.7	300754.6	336674.6	374557.4	298162.8	375642.4	326916.9	TRUE
1121777	1095314	1750761	825590.9	793346	1726048	1088617	760269.1	TRUE
401874.4	401522.4	364993.9	431036.1	351855.6	365378.5	393218.6	368285	TRUE
849216.2	672891.7	975555.2	905991.6	1445278	664945.5	632181.8	694412.9	TRUE
944113.1	777887.2	889339.7	938591.7	1506485	770136.4	718900.8	736049.4	TRUE
569838.8	607463	471700.9	627574.5	631733.5	519885	614411.4	637188.9	TRUE
128027	119895.4	116724.9	140392.2	117895.3	99655.6	147593	146893.8	TRUE
428291.7	401513.4	487414.1	453550.8	384434.5	425244.7	422066.5	443748.3	TRUE
76847.6	63070.2	79166.8	63776.5	57865.2	78881.6	98615.6	90349.3	TRUE
54216.8	58833.8	62950.7	46942.6	48342.6	63204.3	55939.8	59849	TRUE
583051.8	569814.6	513029.5	628416	500645.7	539989.9	562579.5	466745.9	TRUE
1565656	1606847	1205672	1713893	1528124	1301733	1642231	1399361	TRUE
424588.7	328849.3	410792.6	435885.5	340049.2	443866.6	391100.4	434975	TRUE
486883.9	426789.7	429769.3	469571.1	338865.6	407190.7	422950.7	370002.8	TRUE
372710.6	273986.4	397386.8	400766.9	343502.8	358683.8	306902.5	373191.4	TRUE
190165	205127	128615.5	175864.8	171487.4	164482.8	183287	162451	TRUE
44739.1	57177.6	36630	39731.7	50862.6	36078.3	44140	48045.1	TRUE
168329.3	175974.1	144861.3	158536.4	163228.6	157739	174244.3	185156.7	TRUE
52421.4	52818.9	64118.1	46846.4	69586.3	70742.1	69553.6	72861.8	TRUE
229378.9	208547.8	273629.4	209752.7	225821.9	242087.8	205710.7	224691.1	TRUE
88534.5	72406.3	90485	122212.7	86301.9	99147.4	82231.3	96141.9	TRUE
64696.9	74966.8	72345.4	55453.8	80367.6	60022.4	66750.8	76561.9	TRUE
49998.5	64307.1	56681	91971.8	123011.1	34752.9	46587.8	51561.3	TRUE
54807.1	60904.5	46838.1	49091.2	43850.7	55181.9	83530.5	42700	TRUE
448509.5	234129.5	250322.2	298690.7	305012.5	433721.2	270386.5	503772.8	TRUE
258510.2	240636.8	255546.8	299535.7	238169.2	255612.9	262775.7	257765.9	TRUE
763494.4	681640.8	757765.6	708143.9	713639.8	851343.8	764765	830373.9	TRUE
252533.2	245659.4	273494	175699.3	229714.8	262896.5	249831.7	195095.3	TRUE
125821.2	110160	129306.3	86973.4	108494.9	120835.7	133728.3	106184.3	TRUE
209748.7	278456.6	230913.7	195953.9	208972.2	230825.6	248049.7	220026.6	TRUE
68507.6	58991.1	60126.3	56860.4	61741.7	76966.1	45454.7	58238.9	TRUE
531529.1	510155.8	620738.5	393885.4	389275.6	645857.8	494692.2	396712.7	TRUE
208125.4	192951.4	217632.9	186146.5	165254.2	234558.9	202853	210988.1	TRUE
60466.3	48367.4	60689.4	61392.1	76253.4	50982.5	45283.1	55487.9	TRUE
73199.1	65461.9	67433.6	87930.9	43625.1	118051.8	112388.9	73403.7	TRUE
97405	95184.2	94439.6	89801.6	89685.3	167906.4	139635.7	100517.6	TRUE

131060.7	151109.5	110905.8	160195.6	129075.2	117014.5	151143.2	106579.8	TRUE
83765.4	80569.1	90404.6	79769.9	73273	91713.8	68214.6	87107.2	TRUE
59385.1	45620.1	54709.9	51174.9	37180.9	55152.9	64716.4	64265.7	TRUE
41489.6	60630.8	36151.1	62367.4	44349.1	48437	57620.2	58602.1	TRUE
170221.9	142854.9	144603.3	159957.7	127578.8	162603.5	144039.6	161071.5	TRUE
55469.9	43633.6	63812.6	56978.9	30388.7	70483	69070.3	47987.3	TRUE
41145.4	29474.9	30649.2	40155.7	27273.8	33342	36927.3	28739.9	TRUE
86269.2	73976.8	82673.8	120754	91506.4	75585	84643.5	66819.9	TRUE
287386.1	301818.9	245162.2	272117.7	254098.2	248687.8	289125.1	230489.8	TRUE
231394.3	169232.8	276489.9	263463.8	239794.5	261528.1	171373.6	226160.3	TRUE
77303.2	66759.4	60817.1	69525.2	70898.5	59765.8	67081.4	65340.9	TRUE
92040.4	71213.8	77652.6	91835.1	95990.2	86878.7	89121.9	94627.6	TRUE
134240.2	101235.4	149121.8	161175.4	138374.4	141843.5	118133.7	148950.4	TRUE
159265.6	146154	149809.3	153282	189079.2	186504.3	191820.3	208769.1	TRUE
524844.3	398794.2	473548.3	425478.3	878346.1	528435.4	435972.4	867216.9	TRUE
336182.5	350605.2	301927.8	362408.2	338828.6	315188.8	308433.8	358908.8	TRUE
325734.9	324451.9	261753.3	277104.9	313632.4	327006.9	321003.5	358130.8	TRUE
703130.2	706475.9	665837.3	603462.9	628830.7	738039.2	729756.7	733745.2	TRUE
19314.5	8778.7	21812.5	8395	19905.3	16636.3	7634.8	10277.4	TRUE
69129.9	72094.4	64031.8	87948.4	75074.3	71707	75924.7	76044	TRUE
78636.2	52911.5	48825	51692.8	44615.2	59837.6	46146.3	41924.4	TRUE
118889.5	98325.2	146753.6	113004.7	128204.6	129681.3	116390.9	128195.9	TRUE
120016.9	145772.2	121831.9	177333.4	166460.8	148394.5	220047	168338.1	TRUE
72716.3	74674.6	57803.8	91528.1	86174.6	54682.2	112173.6	88386.7	TRUE
536528.3	550508.7	469222.1	465193.6	384005.9	508204.2	536859	406297.4	TRUE
319967.8	279602.9	332246.7	271553.2	162572.1	390361.2	269956.4	178796.8	TRUE
17875.5	16231.1	20454.9	19479.4	20188	6928.1	14228	19237.3	TRUE
389499.2	478839.5	473429.2	425181.4	446032.8	479965.1	543831.6	427449.5	TRUE
58658.6	64677.3	46105.1	47424.6	30459.3	44279	54517.8	34614.9	TRUE
175752.7	155232.6	181066.3	156113.9	135704.9	198826.7	162563.3	136030.9	TRUE
199431.3	148377.2	230136.1	261831.7	253260	196843.5	162319	190708.6	TRUE
66089.8	61600.9	70456.4	86561.4	81784.2	69552	67957.8	68488.7	TRUE
238420.6	176249.3	236432.3	252954.7	273582.9	242601.7	220071.4	262746.4	TRUE
85402.4	103523.2	144628.1	73497.7	83560.7	118657.5	84381.1	136203.9	TRUE
32792.2	48467	36490.8	37323.1	42023	56369.5	33362.8	42256	TRUE
117013.2	106815.6	81904.5	106185.3	157905.4	78924.2	111362.9	174066	TRUE
120945.3	109772.5	95076.3	111951	102874.1	153509.3	107326.9	146670.7	TRUE
451938.5	399770.5	294961.2	377485.8	404764.9	407499.2	481005.8	443960.6	TRUE
179446.9	137080.2	164140.3	190963.2	222416.9	202766.8	177187.6	237805.6	TRUE
802506.6	765513.3	624159.6	732817.7	714774.8	725163.2	993251.5	771883.8	TRUE
157181.5	142092.1	117310	130381.9	149046.7	147439.5	197669.6	172725.6	TRUE
564065.3	389292.5	592179.9	474067.5	516948	455646.4	414223.3	559125.4	TRUE
359083	395960.5	365992	361549.3	366142.1	413194.8	396974.2	408340.9	TRUE
29637.2	31938.7	41571	48057.2	42114.4	38861.5	35339.6	39343.5	TRUE
43547.3	32985.1	34091.3	41840.7	35583	37502.3	63100.2	48828.5	TRUE

251851.5	176257.7	185492.2	299789.4	226551	297816.1	212921.3	289084.5	TRUE
297470.7	279496.1	291405.3	319696.8	333423.7	364942.2	331294.5	357197.3	TRUE
50462.4	28740.5	28269.4	40333.9	41329.7	57636.4	39144.8	55102.4	TRUE
35328.5	22424.7	40826.9	48875.7	43391.8	38371	38225	42258.7	TRUE
38150.8	33591.7	49841.8	38972.3	32003.8	35225.6	37345.9	47292	TRUE
293079.9	271008.6	319079.7	394309.7	310414.2	334043.7	289626.5	259746.7	TRUE
615430.5	694888.9	611260.9	544014.3	543137.2	612143.9	542848.4	568367.9	TRUE
321186.3	316135.1	218061.5	329002.9	342361.4	326731.5	377694.9	380287.4	TRUE
90599.7	78978	70795.9	81597.1	64024.1	125589.4	99925.2	94006.3	TRUE
118372.1	103065	86910.7	105509.8	96946.4	102037.1	120592.1	86791.7	TRUE
50322.5	45031.7	35752.4	40197.3	37430	36048.4	44786.6	23763.4	TRUE
108602.4	112077.9	104390.4	102744.7	95036.6	121131.7	109195.9	108076.1	TRUE
114641	105121.6	115370.7	149945.3	137633.7	145895.7	122449.1	119167	TRUE
345034.7	283430.9	378450.4	370949.4	381749.4	360344.8	315135.1	359450.2	TRUE
256670.6	257276.3	250196.5	273161.8	271818.6	253049.4	205157.3	246456.1	TRUE
7811.5	9936.9	10239.3	12536.4	23890.2	20922.6	18034.8	13598.1	TRUE
90229.5	93203.5	94621.3	117165.8	57353.9	108411.4	113655.6	94189	TRUE
221339.2	152764.3	180949.1	186779.2	203371.9	210676.9	170906.4	205989.9	TRUE
138249.5	167223.9	120406	143698	114796.4	179454.1	190079.7	125481.2	TRUE
727449.5	485250.5	890378.8	923777.1	1002875	625734.2	497838.3	618361.1	TRUE
598681.9	274146.9	820153.6	775055.5	807973.5	448727.1	293014.5	458525.1	TRUE
90851.4	61678.4	84384.3	104661.5	97286.4	96831.8	65705.6	103253	TRUE
60799	67988.1	77727.9	48287.3	28053.9	84296	80790.5	33617.2	TRUE
118184.9	67829.2	130771.6	142339.6	192318.9	59896.8	56882.6	69650.8	TRUE
69320.9	120507.2	95146.7	54558.6	52150.4	102212.5	119879.1	51873.5	TRUE
140527.5	191826.2	146117.5	115433.8	121338.5	195242.9	165544.7	118141.2	TRUE
141528	179961.5	223293.5	162504.6	144552.3	202691.9	193475.1	158607	TRUE
364596.5	262946	502427.5	471137.8	518239.6	296154.1	272600.3	356085.8	TRUE
162419.9	103108.2	205030.1	227859.4	232344.6	146137.8	140276.8	155546.7	TRUE
45936.5	38854.4	41714.2	48434.6	39267.4	83077.2	46863.7	75291.8	TRUE
335364.2	187101.8	216748.9	229794.9	371010	325467.4	253375.2	379228.5	TRUE
115420.6	137495.5	216941.8	170787.8	129909.6	256124.7	146657	125749	TRUE
117029.3	198867.1	135193.2	113322.3	192302.4	152110.4	154667.2	159700.2	TRUE
380712.7	411883.9	432304.1	531679.2	636207.6	515570.9	415001.5	494131.3	TRUE
93340.8	59069.4	63715.9	79630.2	107259.5	104221.2	73462.1	90849	TRUE
30506.3	27693.8	41960.9	27842.7	19637.3	57148.8	15389.4	31685.5	TRUE
124680.8	102505.3	146539	127004	104013.5	154930.1	112783.4	87549.4	TRUE
115769.1	110744.7	151287.6	111066.2	80208.4	156346.5	111737.1	79534	TRUE
213075.1	372453.9	202286.1	341549.7	409199.7	147540.3	151176.4	152742.8	TRUE
61386.5	115264.7	83567.6	95105.2	98265	43413.5	51146.5	46730.4	TRUE
166355.3	184701.9	128375	164809.9	141118.4	145364.8	157146.6	137215	TRUE
20331	12695.2	19831.3	14887.3	33391.9	9722.1	11122.9	32306	TRUE
93553.6	84796.8	67859.6	93837.4	75838	91121.2	100081.9	95266	TRUE
61074.5	35537.4	38521.6	44043.9	51515.1	52669.8	61274.2	90492.5	TRUE

336870.1	276985.4	192187.9	300190.5	284528.1	323441.3	345775.2	383478.7	TRUE
433295.8	329732.1	371349.2	419345.7	383998.3	482881.4	515599.7	510126.5	TRUE
107061	102900.5	89273	101558.7	83609.2	91304.6	134760.1	126346.5	TRUE
358577.7	289251.7	342954.1	397443.1	336183.8	361632.7	328471.3	333266.8	TRUE
81672.6	116434.7	93977.5	65819.4	67594.7	76313.9	80215.6	60206.1	TRUE
50449.9	43132.9	35519.2	40075.4	38560.6	32991.3	48060.5	47535.3	TRUE
73185.3	96309.2	58677.3	66635.5	64343.3	69345.7	78624.3	45563.3	TRUE
155151.5	91221.1	145042.3	159685.9	163056	154637	111019.3	159443.6	TRUE
53546.8	57979.7	42588.7	49048.3	18554.7	51908.9	53695	36259.2	TRUE
47367.3	46220.7	41738.4	39510.3	29794.9	73213.8	76418.9	51493.6	TRUE
20855.5	35252.9	14570.7	26587.2	8989.5	37666.9	28954.9	34165.6	TRUE
124225.3	135971.7	102258.4	110156.7	120389.4	126744.3	143180.5	119547.6	TRUE
41061.8	28739.4	33227.2	38438.1	30583.3	35995.7	44843.7	41772.6	TRUE
297621.3	236807.7	235908.3	232189.8	205274.6	250498.8	303153.7	279315	TRUE
141146.6	111880	129167.1	136284.5	123601.3	174761.9	127976	199073.7	TRUE
11665.1	10003.1	24874.5	7420.4	9924.1	40707.4	15058.8	31936.1	TRUE
44891.7	29861.9	41354	44202.4	39183.2	37720.2	49750.7	43164	TRUE
37495.1	45658.3	37174.4	46623.1	45777.5	32775.5	44465.7	43481.6	TRUE
68463.8	94503.3	78582.9	72027.3	67501.5	66573.6	70402.9	71635.2	TRUE
17358.7	8634.6	8271.2	10463	6114.9	6464.9	11468.4	11042.7	TRUE
166847.3	142990.2	141083.5	135224.4	151226.7	176726.2	187181.5	169471.5	TRUE
350658.9	356219.9	476740.5	317213.9	230347.2	487128.9	431359.7	283064.8	TRUE
956970.7	586920.1	1052252	1029799	1229991	812312.7	652780.6	844252.4	TRUE
424684.7	569187.3	414798.6	250282.1	244005.3	373637.6	385427.9	229502.8	TRUE
597206.6	625757.5	787067.9	539176.2	397552.3	898814	764226.5	423614.6	TRUE
434645.9	380235	548287.7	441302.7	550476.3	413990.9	335610.6	405871.7	TRUE
645232.1	414279	766157	782435.4	928858	528255.3	348554.9	541142.8	TRUE
118834	75117.2	127089.1	145427.4	167201.4	96516.8	74125.3	107011.5	TRUE
180755.1	191489.9	170156.8	148487	208344.2	135087	196393.2	177872.5	TRUE
52542.9	72146.3	50639.1	54686.8	52520.4	84242.7	84210.7	229701.9	TRUE
348319.3	357403.1	258330.6	345101.4	400073.4	281914.8	366903.8	411078.6	TRUE
266879	271843.2	191621.9	266765.6	282761.7	216895.8	297430.8	288490.8	TRUE
196637.1	192764.9	230459.2	220861.9	179644.9	194725.6	235208.2	189136.9	TRUE
594756.1	579430.3	624738.6	610046.2	687379.1	548289.2	584087.3	576114	TRUE
29392.3	27376.3	22679.4	32039.7	29312.9	18280.4	26945.3	20361.5	TRUE
123492	143468.7	123406	141628.3	131235.4	124519.2	139941.1	119226.7	TRUE
107999.8	96658	123722.1	107407.4	93065	142887.6	102889.9	131863.6	TRUE

46480.5	40563.3	33147.1	58499	59945.4	47421	57431.2	49357.7	TRUE
194831	138960.5	144438.3	137518.6	145130.5	183576.9	185633.8	221894.1	TRUE
1200233	1181049	1095732	1206240	1029474	1135709	1322671	1080922	TRUE
327496.8	265545.8	312313.3	359323.7	288567.1	339664.6	311627	309358	TRUE
868724.1	692635.9	849166.9	1010984	890137.2	868014.8	722560.6	868644.1	TRUE
16035.6	8715.7	18949.2	12620.2	7284.8	10163.6	7086.8	27126.7	TRUE
189192	194340.4	186031.7	141046.6	116809.4	204987.8	213694.6	115475.3	TRUE
543338	663154.5	718087.9	472592.1	357139.1	810684.5	677326.8	370574.2	TRUE
981260.1	610405.6	1135274	1052345	1240993	796394.3	611779.5	830114	TRUE
615848.1	409878.8	721851.5	679302.8	816941.9	523790.6	467220.9	518823.1	TRUE
444649.3	256305.8	540753.6	507069.3	620463	414017	284492.1	406797.3	TRUE
239938.8	262531	275692.1	195891.9	155714.8	290150.2	253689.4	160031.6	TRUE
275689.7	147085.2	297840.4	310169.9	317095.9	184661.7	179284.9	202496.6	TRUE
54889.2	52894.8	95225.6	58047.1	41812.2	111934.2	48463.7	49804	TRUE
40163.1	48302.5	45329.3	45734.5	47734.3	27329.8	25210.1	42253.6	TRUE
180174.3	142002.3	174401.1	138998.7	182796.2	166283.8	152468.4	157007.5	TRUE
47273.1	38568.7	37161.8	44842.9	37196.7	41792.2	44367.6	41337.8	TRUE
59499.6	47167.3	40234.9	65131.6	47977.2	68923.2	47980.5	57218.6	TRUE
102290.6	70968.4	73230.1	98108.8	73648	108521.3	68137.6	109766.2	TRUE
102398	90837.8	107522.3	95011.1	99922.4	105878.4	106408.8	124210.4	TRUE
25212.6	23967.9	29250.2	34188.7	26968.5	34656.8	19884.1	28599.1	TRUE
55707.9	43846.5	61664.2	59643.3	54152.3	61823.4	55796.2	49440.2	TRUE
73371.6	101098.3	71710.9	85707.8	83026.7	96387.8	99616	74640.6	TRUE
37721.4	36415	40320.3	32017.7	32947.5	30735.3	27645	32526.8	TRUE
60702.7	51085.8	41042.4	63012.4	65161.5	46705	59454.2	80471.6	TRUE
165256.7	160123.3	140642.8	157900	139689.5	175043.7	222505.3	199880.2	TRUE
64465.4	96275.5	60035.9	109731.6	88134.9	69192.7	83086.7	102178.3	TRUE
110077.1	120784.8	104598.3	143028.1	139647.9	99734.9	135888.1	143759.1	TRUE
172500.7	127973.2	139905.3	167866.2	147006.4	172803.7	192925.4	220454.2	TRUE
27851.3	24024.4	30353.7	26852.1	35331.7	25210.1	36672.1	30427.3	TRUE
75516.5	69145.8	63846.7	78864.4	66813.2	75827.5	85543.8	63317.2	TRUE
251737.3	196793.4	217717.1	243642.5	183159.2	242832.7	241358.8	201410.6	TRUE
122915.1	127693.8	125186.2	108009.3	121709.8	119875.2	130871.2	141338.3	TRUE
172860.7	145032.8	165176.9	170705.8	163356.4	198660.6	158099.6	184813.9	TRUE
123888.7	105490.4	111164.7	120428.9	116555.1	129967.5	112667.9	136778.3	TRUE
231295.8	162218.2	172845.5	180696.2	192345.6	202761.8	223579.8	233428.9	TRUE
20928.1	19897.1	21914.9	30829.1	18881.9	10606.1	17335.5	12634.7	TRUE
625743.5	443186.9	475794.7	503215.8	476849.3	638650.9	445635	633348.7	TRUE
893433.4	781439.8	828952.9	815910.7	753729.9	849303	810862.1	922481.2	TRUE
49779.4	45948.6	42091.1	40773.4	48324.4	44768.2	49459.7	28279.9	TRUE

196528.3	201766.1	160384.7	205018.6	194066.2	155529	213678.1	183505.4	TRUE
89193.4	101875.7	100317.5	92787.7	97146.8	104116.5	89921.8	86726.4	TRUE
165712	117846	140845.7	134895.5	173264.6	134090	137607.5	162644.6	TRUE
61319.1	77448.2	68678	61373.9	52329.3	57630.8	77059.7	78588.4	TRUE
47170.4	87443.2	54239.8	59726.2	73469	59592.8	49294.5	65155.6	TRUE
98590.5	99763.6	197415.4	84178.1	109470.4	65491.8	81872.6	89696.1	TRUE
199610	251157.3	241847.8	132519	112736.8	124042.2	135697	127528.7	TRUE
59096.4	67437.8	56056.2	69892	75648.7	48458.8	51236.1	56392.8	TRUE
184392.5	136793.2	190430.3	192358.1	138570	196748.5	153292.3	144059.4	TRUE
119743.3	105635.5	127472.4	143578.9	101576.9	126618.8	99710.7	111815.6	TRUE
145010.2	117831.4	169472.9	133537.1	200998.3	236753.2	141700.5	223646.5	TRUE
41331.5	40257.2	29064.1	42100	36966	47237	29495.9	41455.9	TRUE
55769.4	40494.9	45546.7	66340.4	49992.9	76495.8	54978.7	62068.8	TRUE
105888.2	80962.1	89314	83892.1	91053.5	92692.7	84971.6	114472.5	TRUE
109203.5	73913.4	54171.7	81601.6	89743.6	123920	91482.9	127058.7	TRUE
14259.8	28887	30449.2	23849.2	27373.6	22606.9	22539.6	18645.7	TRUE
40318.6	45333.2	39491.4	12480.6	27527.4	53908.1	38379.3	36454	TRUE
369150.2	380697.6	309265.7	416069.1	454447.4	349840.1	417391.8	510297.5	TRUE
513824.5	509485.2	470699.2	473161	423991.3	494565.7	537609.4	533059.8	TRUE
364761.7	344853.4	332694.1	297844.4	292003.2	305074.6	354922.6	323287	TRUE
272532.1	233869.1	316282.3	292164.1	237534.3	324609.3	286904.2	294372.2	TRUE
344979.6	397557.7	316832.3	314289.1	303683.7	298414.5	357640.6	324258.7	TRUE
117897.4	133880.3	110699.8	123143.2	121093.2	100872.8	117496.3	115863.9	TRUE
251534.8	242190.2	282036.6	286664.8	240601	279050.7	231057	217495.8	TRUE
345558.5	274275.6	341519	319751.3	388339.4	357898.2	301495	360010.9	TRUE
193783.5	213881	278956.6	245356.6	148947.4	362120.5	191781.7	199938.9	TRUE
441485.8	369332.9	396226.2	297572.6	670643.1	525983.7	348141.4	544107.6	TRUE
119268.8	100392.1	135662.6	143136.9	98806.4	169878.4	101007.8	84832.2	TRUE
90598.4	59843.8	148918.7	130443.5	66258.3	164391.4	61933.4	74793.8	TRUE
964148.1	741259.4	902771	975775.7	988398.7	881195.5	762683.2	856900.1	TRUE
2066200	1493730	1893320	1872123	2213040	2031602	1608272	2024580	TRUE
40092.4	7360.4	29902.8	28045.4	24006	41072.2	26382.8	28337.5	TRUE
108905.2	112382.6	63859.2	113790.6	85110.2	88115.8	123386	121208.2	TRUE
202787.2	163984	161348.6	189103.8	143760.7	188909.7	190536.9	216462.1	TRUE
67225.5	58380.1	45335.3	41030.1	52749.1	58190.3	53496.3	51059.4	TRUE
32524.1	28680.1	20246.6	23226.9	26771.9	17855.7	24055.5	31443.1	TRUE
582417.4	566112.2	545194.9	516539.7	517933.6	596517.1	577454.2	598971.5	TRUE
150878.5	144278.8	152126	146684.1	166774.2	153558.6	175106.6	175091.7	TRUE
195686.8	182225.2	171189.7	218302.6	153524.2	181259	196406.3	180243.3	TRUE
24139.2	33336.4	27439.2	23986.8	31875.7	24293.7	28958.6	28440.5	TRUE
141310.5	130646.3	111386.9	113275.8	118968.3	154273.9	139024.7	147354.8	TRUE
70559	44328.1	70663.6	119400.1	68980.7	69961.4	51405.6	66838.5	TRUE

205573.1	269357	132584.2	159620.7	112665.5	151521.4	243094.6	132480.3	TRUE
240504.4	307452.5	213562.6	249238.5	178134.6	222572.4	331684.9	188438.5	TRUE
630570	365901.4	691886.2	792184.3	536247.2	644892.1	439993	578381.8	TRUE
342809.4	212509.7	398952.7	402850.5	293520.3	333576.1	259399.6	324170.2	TRUE
114480.5	106007.8	130829.8	130072.2	115307.4	121304.9	150957.5	144230.1	TRUE
606924.5	537668	650969.7	625997.7	914537.5	544800.1	469692	553040	TRUE
137296.1	113532.8	126187.2	146246.8	96401.8	227824.1	196110.8	134330.1	TRUE
17476.3	9945.3	6476.5	23990.3	7932.2	27188.4	14090	8814.3	TRUE
17641.5	6211.2	8063	10633.1	7796.2	29559.8	10010.4	8475.5	TRUE
100206.2	105878.6	100888.4	95811.3	88605.8	104640.7	86806	104569.7	TRUE
116290.6	121750.4	116355.4	112479.6	89952.6	137028.4	117345.9	90034.3	TRUE
838749.6	714519.6	947142.7	892513.9	803567.3	867808.2	702285.3	848170	TRUE
118249.2	120135	87091.2	88026.7	78978.4	118272.9	112075.4	84523.3	TRUE
176038.9	176601.5	158741.1	171431.2	125519.5	164248.7	168624.2	156411	TRUE
105741.7	114030.8	91431.7	128086.3	90291.5	125868.3	120518.5	92783.8	TRUE
118604.7	130549.4	111472.9	129691.7	93600	127299.1	138600.9	106671.2	TRUE
121187.1	100116.4	105517.1	118157.5	118223.4	123794.7	93793.3	107078.7	TRUE
306578.9	249332.1	341570.1	308796.3	288035.7	313430.4	285440.6	311855.7	TRUE
29825.1	31275	8880.7	38408.9	21137.1	23796.1	28863.4	25202.8	TRUE
50559	62486.7	51167.4	54775.8	55228.8	47271.7	65028.1	61249.9	TRUE
179047.6	152577.6	151785.6	201074.9	187940.8	144208.7	166396.7	198790.3	TRUE
400096.4	392552.2	432655.3	395784.9	362395.2	428469.6	423516.8	379085.8	TRUE
30615.2	28424.9	30112.2	17636.2	34175.1	26868.1	29564.1	27506.5	TRUE
101222.3	102149.4	67522.4	78407.7	61090.3	67206.9	76204.6	60231.3	TRUE
47315.7	39886.7	38324.7	32267.5	30773.5	47477.6	35007.6	42902.1	TRUE
59311.6	53569.7	50979.9	55993.4	44987.2	40490.4	68502.2	47089.4	TRUE
37182.2	25158.4	27402.5	31142	22289.5	30743.7	26591.2	32779.7	TRUE
20383.1	13274.3	18195	25984.3	18669.9	30156.1	25760.7	26595.2	TRUE
243430.9	294448.6	187701.5	229753	215500.2	199940.8	281658.1	219296	TRUE
32265.2	27960.5	28582.4	40753.3	33649	34715.8	50542.1	40930.4	TRUE
23348.8	18290.6	16763.9	8925.3	19024.8	23539.9	20586.9	26941.8	TRUE
78706.8	61056.5	90337.7	67737.3	99804.5	75370.5	84154.9	88102.9	TRUE
65756.2	61966.9	59258.8	76138.6	75330.1	59376.7	75575.5	72134.8	TRUE
220256.3	171458.8	241841.8	247453.8	225223.8	186441.9	157089.8	199025.1	TRUE
19794.6	25738.7	32550.7	9713.2	10087.4	29366.8	30274.4	21105.3	TRUE
659278.7	759048	661898	532150.7	578863.7	569756.2	735776.7	527529.7	TRUE
99263.1	81388.4	118905	87000	86602.2	102837.3	92504.9	81536.4	TRUE
67064.5	70010	57111.3	89091.3	58026.2	42334.4	67119.2	54606.5	TRUE
216989.4	269090	225278.8	201650.2	178565.8	210472.1	289824.7	201580.4	TRUE

723377	703153.4	640913	684151	681353.9	647844.6	775816.6	656762.5	TRUE
78562.2	76900	76395.7	75715.7	82426.5	60341.3	66870.6	64345.3	TRUE
43773.1	37986.4	44185.8	41646.2	41730.6	35390.1	40401.4	28286.7	TRUE
62267	69804.5	49160.6	57475.4	65684	56781.5	62001	54842.3	TRUE
138315.7	131724.2	126287.3	140533.3	133716.4	149505.4	131995.1	130824.4	TRUE
199182	97694.7	118529.2	142757.2	142494.2	127981.1	106659.1	99553.2	TRUE
25099.1	23584.3	37766.2	34718.3	23975.5	31112.6	21964.1	19531.8	TRUE
223870.9	248551.9	220009.7	249139.7	231461.3	246097	240930.4	227420.5	TRUE
53322	43718	42223.8	50475.2	46097.9	73662.4	61549	50933.9	TRUE
53591.9	77240.6	27756.1	63669.2	63471.6	42092.7	50588.9	72580.2	TRUE
944840.5	981349	990092.1	1159484	944103.3	866966.9	1049438	899763.9	TRUE
39807.4	30567	22313	38995.2	34368.3	30734.3	48307.5	44456.2	TRUE
70493.7	89906.1	70610.5	80649.8	89467.8	70177.2	76755.3	70836.8	TRUE
237477.1	239044.3	161942.4	195336	253350.2	174467.3	240740.1	232956.8	TRUE
160718.3	152049.9	119928.4	175669.3	159604.2	123812.5	169788.6	182575.8	TRUE
37805.5	31904	25513.3	31890.6	36492.2	31005.8	33688.7	24811.7	TRUE
33409.4	40308.3	26495.4	52509.1	41177.1	25340.1	33852.6	43029.2	TRUE
155957.1	165527.1	129477	149683	117983	155460.3	150895.5	180539.2	TRUE
46313.5	51838	55721.8	61355.5	50540.3	46052.4	63669	44053.4	TRUE
137093.2	142323.8	130724	145855.8	110970.7	139451.8	140757.7	109715.3	TRUE
298938.5	219982.1	349479.4	334464.1	293337.1	288087.5	257570.1	325862.7	TRUE
134904.6	179830.6	150990	124901.3	116389.1	153866	150834.8	108699.9	TRUE
270470.2	350728.1	313811.7	341037.6	282166.2	339428.7	335871.3	346087.6	TRUE
76876.8	77955.6	75087.1	77454.5	78920.6	73127.4	93500.2	88556	TRUE
56988.3	65500.1	41784.8	77642.4	72004.5	50591.1	47009.6	60386.3	TRUE
39446.6	34403.3	49236.9	38396.8	34426.2	47333.9	46528.3	47309.9	TRUE
189164.7	90411	104786.6	123140.1	170348.3	138229.5	120904.3	161284.8	TRUE
25379.6	33440.2	26704.5	26070.7	29542.2	30966.6	32846.1	24213.9	TRUE
36211.8	47342.6	58866.3	82471.8	42790.2	50665.6	69404.8	43365.3	TRUE
159200.5	173994.9	179000.7	198281.2	208944.4	198182.2	225393.1	197469.5	TRUE
191025	175104.6	187746.3	175484.2	159934.1	190743.1	180791.4	148851	TRUE
87956.7	100219.2	89550	104447.9	105262	101669.2	113309	96484.3	TRUE
28326.8	26793.4	37017.7	30789.2	22851.6	33795.8	33558	28838.8	TRUE
36765.8	35100.1	31197.5	7620.4	34256.9	31355.2	33832.3	33185.4	TRUE
431825.7	414451.8	287559.1	361797.3	456685.3	288648.7	479672.6	439813.7	TRUE
187604.2	158990.5	135760.3	176102	146412.3	145400.4	169947.4	155745.8	TRUE
164275	117468.1	176428.7	145763.5	128930.4	148869.3	142762.9	153632	TRUE
210887.9	192976.7	142171.4	230489	205155.7	161934.8	216465.7	227371.2	TRUE
132137.4	127796.1	119792.7	105149.2	127528.8	116405.8	103967.4	105395.7	TRUE
52046	52961	61950.7	43614.5	67537.4	71711.5	55102.8	73217.9	TRUE
51260	46455.1	54634	57331.4	66833.7	70011.2	65322.4	72290.6	TRUE
22592.3	19227.9	15328.7	9086.3	31115.7	15647.3	25961.7	22490.7	TRUE

33930.3	36891.4	30142.5	32045.9	33726.4	46921.8	33054.2	35585.2	TRUE
131282.5	74371.1	36547.7	80909.6	67816.4	68264.2	118884.5	69752.5	TRUE
1579291	1352892	1938183	1863727	1648862	1517096	1447567	1564479	TRUE
48341.5	54718.2	43818.4	42468.4	44031.9	45709	54585	33383	TRUE
161552.4	206426.4	133410.9	146617.2	156966.8	160084.9	211722.4	159351.4	TRUE
13696.7	6936.7	14295.4	5683.9	15647.6	12488	7595.8	8857.4	TRUE
50178.2	66385.1	39244.5	45103.9	34236.4	46056.1	59548.8	43640.4	TRUE
39779.6	61776.3	30357.5	40197.5	24689.6	30105.3	51457.5	22795.9	TRUE
200332.6	246560	200695.4	173673.3	160743.9	164280	212628	154525	TRUE
299207.2	189308.4	386137.8	415146.8	246111.1	294156.6	202566.6	304958.2	TRUE
127706.9	91606	156271.8	191832.2	107274.5	131970.1	96013.6	130817.4	TRUE
871278.4	882422.3	678507.8	858162.1	696176.5	687507.9	895161.8	670161.2	TRUE
749055.8	612691	865457.5	817063.9	725326.1	719290.4	637283.5	767926.8	TRUE
139539.9	108591.3	133003.8	153917	112586.4	150615.6	117939.5	125080.9	TRUE
120283	90067.2	87982.8	89105.3	89120.6	106418.5	92025	89327.9	TRUE
41955.9	49041.7	48059.1	45745.1	45374.1	39976.9	53004.4	31687.2	TRUE
66403.8	69157.2	60005.8	58061.4	61825.3	65012.8	64314.7	58775.8	TRUE
31078.3	18410.8	24548	24971.9	36844.1	33285.6	26325	31618.8	TRUE
159704.3	158663.2	162146.4	128025.8	173921.5	156993	174120.9	174489	TRUE
21703.4	5327.9	26552.9	24281.8	14565.3	22930.8	8504.4	19822.3	TRUE
21793.2	21481.7	27814.5	27261.6	29298.9	27640.5	22916.7	36652.6	TRUE
154763.2	182108.6	176874.3	183020.7	170114.6	179713	161230.2	154616.2	TRUE
70956.7	72743.4	56462.9	69372.5	68753.7	60038.7	70754.1	66253.1	TRUE
141846.9	221433.5	99841.4	133603	156795.8	105340.6	254698.6	143050.1	TRUE
400875.3	550609.6	308898.6	368020.3	379995.7	303340	491859.3	353025	TRUE
78823	104834.3	78564.7	68338	72576.5	66665.4	102244.2	77099.2	TRUE
197692.2	222366	110553	174047.2	173336.1	155757.2	233942.3	165905.5	TRUE
246624.2	250172.8	334343.9	345046.7	191544.2	258825	212870.8	239666.3	TRUE
155290.7	142392.4	241520.6	231750.9	162609.7	133315.3	178032.2	150887.1	TRUE
226722.2	136468.7	166364	204170.8	325879.6	203720.6	187490.7	235338.1	TRUE
35402.6	27484	49816.4	21882.7	14818	56591.8	31650.9	22187.9	TRUE
330806.8	289844.8	524221.3	269124.6	231504.5	468425.3	277871.3	233037.3	TRUE
503605.3	455293.8	974437.6	344006.6	299167.4	1040591	442790.6	307021.7	TRUE
265244.8	257610.1	379087.2	213496.3	204091.2	409983.3	247159.3	231856.7	TRUE
145992.1	127023.4	265132.1	119657.1	100591	296370.7	165463.7	119349.7	TRUE
27120.6	21298.6	32918.2	24334.5	25008.8	33592.3	30155.6	29664.1	TRUE
147709.3	157758	306772.3	150196.8	110656.2	324301.8	153920	141400	TRUE
94659.3	65741.7	109218.1	127419.7	71703.6	115552.6	78427	78580.4	TRUE
35056.4	36278.6	46161	29070.6	38745.2	46480.2	42655.6	40728	TRUE
142934.6	151455.4	209311.4	148943.3	142148.6	148441.7	157276	156137.7	TRUE
173151.3	253909.4	167267.2	181144.4	180009	166500.8	166208.9	164839.6	TRUE
516322.5	450474.1	542474	568239.4	505022.4	522014	470465.8	487562.3	TRUE
214032.4	226772.7	197832.7	193750.5	238385.7	236243.5	212725.3	245424.1	TRUE
46870.4	79187.8	114015.2	46737.3	44904.2	62827.5	68398.6	56092.3	TRUE

91330.5	89572.2	104653.8	100778.3	105965.8	62758.6	94352.4	90251.5	TRUE
43078.6	56350.9	35348.1	50431.3	36912	44931.8	57960.2	38034.2	TRUE
20098.9	6278.7	19875.4	9654.7	23183	17932.3	13674	14317.9	TRUE
27410.6	32310.5	7538.1	26679.3	19743.9	32903.3	12134.5	12371.1	TRUE
89013.3	89871.5	96708.6	103360.9	61126.5	81383.5	93535.5	79832.5	TRUE
78636.7	59240.6	94762	68993.2	71201.2	78122.3	169404.7	57050.1	TRUE
178083.1	157134.6	160951	190694.6	188401.7	202570.2	188115.7	231279.4	TRUE
289746.2	272101.9	254526.3	310235.2	276784.5	286500.9	281493.5	303192.2	TRUE
31182.1	27015.5	39709.6	29129.6	26438	28107.4	39009.9	26805.7	TRUE
170118.9	187528.1	168151.6	130726.3	146418.5	147997.7	153932.4	125834.4	TRUE
80917.7	54967.2	52648.3	65627.9	55003.6	67418.3	49464.6	75618.1	TRUE
59198.2	59360.5	47258.8	61880.3	48576.9	70511.4	93492.2	60361.2	TRUE
90235.2	98268.1	71275.2	77618.7	87045.1	78274.3	127965.8	87468.2	TRUE
30052.9	31215	23066.1	27353.4	29094.1	18762.3	22305.3	24175.9	TRUE
196301.5	178665	108135.5	154880.6	131436.8	163733.5	218857	165737.5	TRUE
7451	24858.5	17294.6	8927.8	6007.1	19079.4	8617.4	9514.4	TRUE
63214.5	62513.2	51484.3	56833.1	43550.8	61546.4	74902.8	49965.7	TRUE
73361.9	83193.1	69886.1	88639.5	79853.9	74741.5	98977.1	76656.1	TRUE
166559	188930	156747.8	152093	122181	141198.9	171664.8	126823.3	TRUE
57171.4	45417.6	50024.8	66347.3	34314.2	53128.7	71586.9	53636.4	TRUE
36479.4	41536.5	34834.1	36439.9	38488.6	37996.9	54554.7	36721.2	TRUE
426021.4	293579.8	397648.7	388587.3	453201.5	407995.3	346648.5	397565.2	TRUE
167965.3	237194.3	181952.2	179943.6	189226.6	157861.5	162510.9	181873.8	TRUE
66000.7	67656.8	72920.4	74691.8	75365.8	70447.6	74041.3	96253.4	TRUE
48985.7	57045	34885.5	51991	38772.2	46275.8	49281	44791.7	TRUE
106073.6	126210.7	118917.6	104899.3	136269.1	109335.4	122159.8	125547.8	TRUE
38182.1	41931.5	38130.4	41908.9	43659.9	38352.5	48575.7	51803.1	TRUE
418241.9	409081.8	478041.5	505580	368959.4	429583.9	450843.7	413363.5	TRUE
139372.7	154227.4	114150.3	131207.7	159519.3	149760.6	158497.9	192668.8	TRUE
58458.3	56255.5	58960.8	58662.3	72213	62258.7	77722.3	77771	TRUE
71708	84244.1	66997.5	62761.8	58263.8	63402.4	64542.6	70850.7	TRUE
21453.7	36454.2	24947.4	27224.3	26009.8	23918.6	39671.3	18989.3	TRUE
261497.7	313494.6	310586.8	332929.9	237958.8	240100.9	248301.4	251803.3	TRUE
130984	167553	125307.7	134060.3	188543.7	106095.3	154129.9	182917.2	TRUE
107101.4	117617.2	102843	97576.6	125486.3	104568.2	128716.8	117250.1	TRUE
119781.1	140935.1	99811	145957.6	160099.3	99263.1	148991.7	151835.2	TRUE
511071.8	499517.3	450171.1	443752.1	424907.6	535462.8	503792.6	546482.7	TRUE
42790.5	56948.4	40538.2	27151.6	36384.1	32894.1	54690.1	35268.2	TRUE
61962.9	57174.4	74382.8	53953.2	60419.1	80504.1	68971.4	57944.8	TRUE
42003.1	53708.8	39814.9	50149	48859.7	42878.8	53694.2	45683.5	TRUE
60181.7	54924	62796.2	65447.3	52409.7	65567	60321.9	44449.6	TRUE

80998.2	116937.4	111500.4	106022.3	201668.9	120205.6	100670.7	101274.9	TRUE
81288.2	72325.7	75178.7	53726.3	66562.1	74908.4	68449	57254.6	TRUE
315462.1	296107.8	221828.3	304290.8	232853.7	241803	355572.1	257734.4	TRUE
131830.9	136209.6	176591.9	160471.8	98828.9	154564.2	193150.8	162921.8	TRUE
46785.7	45252.9	43857	41867.7	39725.3	27160.9	39958.7	39110.1	TRUE
84543.4	103783.5	131646.2	112606.4	102320	123350.3	74418.4	129500.3	TRUE
127453.1	105972.8	103757.3	119898.9	91206.3	133991.2	126009.3	114127.9	TRUE
79246.8	60522	135100.7	45946.4	35864.7	129164.7	76998.2	37939	TRUE
131774.9	80087.8	101485.8	117109.5	138349	107506.8	79402.5	105567.8	TRUE
134285.6	67118.5	125275.3	110538.7	171708	102764.7	112558.5	91775	TRUE
270643.2	148191.5	221887.4	258355.3	496774.6	195672.9	174487.8	249191.6	TRUE
124497.2	93635.6	112255.9	109478.3	122665.3	103989.4	103895	125022.2	TRUE
27138.1	8171.6	43659.6	37626.3	28363.6	20790.8	43231	34645.2	TRUE
80844.7	93259.4	54683.3	69432.6	76360.2	72692	82686.7	80522.4	TRUE
199216.8	224192.2	154644.4	198318.2	159147.3	151312.6	228243.1	146228.9	TRUE
70106.6	65678.6	84836.9	111980	85958.2	97551.2	70201.7	111103.4	TRUE
69441.1	69483.8	62598.1	76836.9	88786.4	76574.4	68872.4	66262.7	TRUE
253406.2	265801.1	265784.4	289018.6	269370.4	290638.3	271506.6	235367.3	TRUE
123802.1	128431.7	131455.9	157066.3	142525.1	150640.9	143910.6	142441.2	TRUE
356638.4	309414.6	308226	337790.4	374476.2	387924.5	336757.1	383876.2	TRUE
164008.2	133838.4	133051.6	110717.2	92290.6	130267.5	122128.2	99888.6	TRUE
207625.5	133506.7	235191.7	234257	160554.2	228837.8	210206	160987.4	TRUE
349235.6	279613.9	295636.9	420536.5	259626.9	365090.5	320010.9	279258.4	TRUE
74744.1	88329.8	79223.2	89145.7	63888.4	102097.7	81046.4	81298.5	TRUE
51658.8	84866	68444.4	100069.8	75947	49429.3	57835.5	38691.1	TRUE
150477	101713.2	152814.4	144525.2	167842.2	153592.5	117491.5	155260.9	TRUE
142299.4	84376.5	141931.1	138876.1	90666.3	177361.9	113290	97353.5	TRUE
331704.3	245441.4	388034	379927.3	227429.1	360605.8	279503.2	261448.8	TRUE
98480.8	57336.6	117210.2	111932.3	64665.4	127797.7	88075.3	73338.5	TRUE
128397.8	122675	124148.5	128626.7	71570.8	126966.8	107014.2	81140.5	TRUE
57395.8	38631	71855.4	55940.7	64985.2	38602.8	46530.3	51481.8	TRUE
244766	180356.5	269125.6	259329.1	183879.6	242786.1	196317.7	163836.2	TRUE
143164.5	130942.1	142704.1	170145.2	110780.9	174201.4	127343.3	124103.7	TRUE
112334.7	144177.1	111791.6	144415.7	96126.6	141872.8	112155.4	118882	TRUE
254445.3	431658.7	314664.1	437905.3	351301.3	187934.1	214688.6	205514.1	TRUE
39403.5	31994.4	42941.5	47672.1	29716.6	38321.9	39917.8	14562.2	TRUE
46735	67190.5	75290	92629.1	74629.9	46406	39060.2	36779.8	TRUE
40373.2	49288.5	43497.7	35942.9	40260.4	33530.4	49536.1	37973.1	TRUE
43818.5	53032.1	38834.4	47754.1	44816.9	35638.8	42504.2	34940	TRUE
145144.9	109494.6	101075.7	124371.9	90868.9	121761.5	129064.8	118200.4	TRUE
204284	185344.8	308808.8	278258.5	245627.5	277759.6	235210.1	269483.4	TRUE
57996.8	41770.1	82404.2	71473.7	90035.7	98246.9	56820	94074.4	TRUE
80969.6	58742.3	69657.5	87685.3	47380.7	116636.5	56294.7	86311.1	TRUE

24680.3	9630.9	28580.3	11300	7861.5	52568.1	14316.6	12664.5	TRUE
255362.7	180231.8	194627.7	184260.7	234267.1	261323.6	246640	275608.9	TRUE
45429.4	36062.4	41091.6	51012.7	42135	55260.8	37536.5	53974.8	TRUE
893460.5	835811.6	1097362	1432083	922483.1	1345384	1245735	1053943	TRUE
61487.1	70248.8	94691.4	113121.9	95033.3	101114.7	117256.7	95840.4	TRUE
222463.8	447572.9	297788.8	489344.6	526864.8	117843.4	116085.5	147928.4	TRUE
1707775	1244153	961679.4	1213665	1266292	1532149	1071106	1875020	TRUE
672897.2	473135	527895.1	633710.5	619639.3	742460.1	535366	768562.8	TRUE
285557.6	257335.4	330159.6	309014.8	326963.4	360589.6	225797.9	301084.5	TRUE
3866072	3364673	3662435	4894023	3599446	3813189	4352926	3703739	TRUE
140473.5	294806.6	197394.5	304316.3	308888.7	151847.2	137162	124872.5	TRUE
373873.5	337502.5	377828.5	443574.4	306667	484039.3	400544.9	447523.9	TRUE
94017.4	55880.6	163080.7	95047.5	54952.2	164407.6	91113.5	74201.2	TRUE
349355.1	244920	542932.7	330218.8	241482.7	546581.3	268732.9	189909.5	TRUE
1902020	1073910	1297964	1273967	3046789	1633004	1227842	1724832	TRUE
44078.7	35091.4	31124.7	26702.4	36105.7	38496.5	38893.5	23838.4	TRUE
82111	76034.3	81852.6	96720.3	69326.5	129565.8	105974.3	78506.1	TRUE
152451.5	98511.3	171879.8	133108.3	108038.8	211926.2	123429.3	105097.4	TRUE
238883.9	207975.8	266064.3	193808.5	161728.3	414353.5	234572.7	222566.1	TRUE
113232.1	71319.7	125345.4	100693	60435.3	203846.3	101644.2	98168.2	TRUE
163220.6	125263.1	142341.5	119189.6	90401.5	272754.8	154163.8	145859.4	TRUE
184549.3	193151.7	238209.6	207198	151661.4	253844.2	194926.8	147786.8	TRUE
112558	92430.1	103674.8	106158.3	89025.7	156339.4	118392.4	122131	TRUE
92071.3	75922.2	91432.3	88828.9	66900.7	122735.2	77233.7	81969.1	TRUE
290060.8	204644.5	231532.1	235530.9	419974.5	278732.2	234567.4	276791.3	TRUE
379742.9	258433.7	272890.3	315289.1	578140.6	349946.5	312533.7	338240.7	TRUE
579713.5	409981.1	411856.5	454150.5	755825.9	495753.5	511440.8	634459.3	TRUE
213433.6	170755.7	133367.6	201469.5	289588.1	227451.4	193974.6	242856.6	TRUE
106813.4	93565	89993.5	107786	126522.6	106972.4	96517.6	106718.8	TRUE
134575.9	90194.2	134624.9	156004.1	234689.4	148151.7	119670.8	149677.8	TRUE
114564.8	82586.7	238521.7	118536.7	93722.4	245287.8	113042	115095.8	TRUE
97271.4	63381.3	140948	98775.6	76330	151985.7	87859.1	73026.1	TRUE
36180.6	41101.4	51699.2	36073	38320	64163.4	30254.4	41164.1	TRUE
51445.9	42543.9	63687.1	58620.8	39603.1	91309.4	53806.4	48028.8	TRUE
95070.6	115202.4	159080.7	101988.8	102377.8	115224.8	109266	89440.6	TRUE
55950.8	32692.6	53917.6	30682.8	30258.4	68896.1	64401.9	49648.4	TRUE

74339	99272.7	319746.7	59646.2	50841.3	148035.1	78359.4	88554.8	TRUE
104049	66225.9	109121	88722.8	69937.5	145058.7	79449.8	103823.7	TRUE
35409.6	8354.7	28870.7	30035.4	11137.3	52534.2	13842	31291.4	TRUE
118873.6	65542.9	75548.2	72010.4	149905.9	119891.6	92182.5	113084.8	TRUE
332444.9	199387	182246.8	213818.8	406293.7	295957.1	273444.8	317236.3	TRUE
35476.7	14052.2	17986.7	12405.2	72931.4	40013.7	48878.5	50924.4	TRUE
560211.5	493880.9	780711.9	583323.5	536271.2	871936.9	502271.9	497965.9	TRUE
35332.3	90028	92226.6	62783.4	72532.4	27455.1	18333.8	10847.8	TRUE
99023.8	91589.7	128964.7	95676.2	85312.9	108327.2	106404.8	90375.2	TRUE
4138161	3188428	3572162	3785889	6319166	4089102	3561109	4100386	TRUE
73899.6	101432.4	109915	106956.8	160843.4	44771.5	45004.3	39594	TRUE
51362.2	44690.4	41758.5	36760.9	48360.4	39180.5	35411.5	41812	TRUE
12587814	12386845	13901167	14748983	9880263	12004698	13073563	11975098	TRUE
372769	431664.7	271204.8	326051.3	392978.8	315105.3	426294	396583.2	TRUE
39535.1	68191.4	46967	54908	78590	43036.7	69115.4	63161.1	TRUE
133605.5	163570.4	132618	115377	143396.1	120165.2	149395	137984.3	TRUE
260249	364133.9	224032.2	247263.4	263683.4	213565.3	291010.1	263274.1	TRUE
46619.7	89146.4	46514.2	64967.5	77657.4	28654.7	29000.3	31120.9	TRUE
83740.5	93530.1	91224.2	64196.3	79401.7	66048.2	70500.9	86684.5	TRUE
42903.1	62336.4	47596.7	44174.7	39196.5	29267.5	48336	48431.9	TRUE
63584.8	162631.2	62736.6	136299.1	152352.3	36141.9	42370.5	42662.7	TRUE
66023.7	74785.8	59855.8	75181	74341.8	62382.3	96617.2	85516.7	TRUE
43560.8	43064.2	40226.5	43895.8	43917.5	42952.3	49866.9	29943.9	TRUE
45930.8	42903.8	43639.1	29643	47961.8	28237.5	44397	41983.3	TRUE
74075.3	97744.8	63180.6	80941.6	102600.5	56356.6	109321.8	101672.1	TRUE
372953.8	395700.6	266858.5	301028.5	386460.9	237985.5	426286.8	419551.2	TRUE
373260	388871.4	413930	439135.1	349405.9	350167.8	405188	359457.4	TRUE
451078.3	509774.6	541848.3	531516.7	367116.5	422983.1	468432.9	404163.4	TRUE
74525.2	175849.4	122438.5	161018.2	109926.1	59230.9	51646	47015.1	TRUE
81500.1	198123.2	127501.8	219361.7	152090.7	52988.6	52944.5	57334	TRUE
41623.5	58404.8	71764.5	52360	56533	60483.5	80764.9	58346.4	TRUE
225020	219127.9	253731.6	291882.4	171275.1	199602.7	264750	210047.4	TRUE
323395.8	337873	250892.7	283886.7	277945.5	280914.4	346811.1	289874.3	TRUE
234647.8	535405.3	332162.4	406742.7	586800.4	182129.2	174043.2	211703.7	TRUE
77324.2	75648.9	75269.9	86388.6	70228.3	85357.8	91588.6	81295.8	TRUE
143281	333397.4	294066.5	406151.5	312393	69997	103135.9	98648.5	TRUE
121299.6	135285.8	224942.6	125903.6	111810.6	134012.7	175246	177873.2	TRUE
223291.2	241482.3	185193.8	192856.9	217694.1	211365	225634.9	224359.7	TRUE
142660.9	163588	97666.8	151311.9	141630.3	87433.5	143282.2	149393.7	TRUE
150989.1	139189.8	145338.2	156198.1	127962.4	156460.7	182561.9	170688	TRUE
323378.6	294984.7	343450.6	344840.7	293152.9	307768.3	329908.8	295286.5	TRUE

66587.7	86459.4	40372.2	48350.7	50000.5	49721.2	59320.2	41609	TRUE
247821.2	231746.5	197589.2	227410.1	223210.1	207500.7	267486.5	212032.7	TRUE
1202309	1253509	877388.2	1162079	1147812	923083.9	1275853	1114128	TRUE
125649.5	126868.3	100655.6	138617.8	115422	88130.8	126963.5	139615.9	TRUE
506568.8	502941.7	581587.8	570860.7	490191.8	530579.4	556234.1	531316.9	TRUE
127000.3	188453.5	123148.8	156289.2	155780.9	102692	165321.7	94627.1	TRUE
612764.6	615437.6	506059.7	569983.9	487676.9	554777.7	652800.3	576512.9	TRUE
446033.3	435405.3	439081.2	417924.9	513830	455213.4	413111.4	507024.2	TRUE
172526.8	186722.6	151645.5	205461	211635	144200	165001.3	136178.8	TRUE
647144.4	1025658	1052454	1210547	634911.2	1107956	1392964	1022060	TRUE
47088.5	44857.3	34211.6	49369	36179.3	49294.1	45494.1	61443.2	TRUE
28888.2	44179.7	25028.1	31019.8	33788.7	32655.6	33499.9	50750	TRUE
24501.7	22129	20597.5	29139.6	14953.4	26038.7	38686.6	26253.7	TRUE
46745	31529.6	29734.5	30130.1	23255.2	38743.2	37766.7	55583.3	TRUE
30185.6	19901.4	18315.8	22860	25376.8	21925.8	26138.3	32879.9	TRUE
26134.7	42122.3	70266.9	31833.7	20313.4	27030.6	36015.6	47298.8	TRUE
8410.9	8838.7	5515.2	15583.1	14415	8538	13495.6	10757.7	TRUE

33386	25892.5	27940.6	34230.6	19570.1	33426.6	35753.8	34983.4	TRUE
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318136.2	267166.9	278633.9	352667.8	296541.6	229143.7	268171.8	294836.8	TRUE
692299.9	616391.4	577449.5	826695.5	708577.4	660020.6	620366.4	661853	TRUE
186267.6	181569.3	139681.9	168865.2	165096.4	171364.5	185179.5	169982.6	TRUE
532463.6	468711.9	500042.5	475998.3	414533.4	545236.2	494243.2	507374.4	TRUE
2432050	2381775	2297442	2595707	1975616	2200753	2270472	2499363	TRUE
343219.7	310786.8	279704	361910.9	252333.6	374571.7	373112.8	266615.7	TRUE
186645	167897.8	149715.6	162053.4	199351.6	145667.7	204177.7	184890.8	TRUE
59145.1	69750.9	74009.4	60046.4	63783	59066.1	99913.1	64954.1	TRUE
93692.3	87361.2	76312.2	87784.9	57966.9	67527.4	95664.1	74205.9	TRUE
72480.9	65894.4	64268.8	75262.8	42198.3	74154.3	54821.8	45932.6	TRUE
71451	84374.2	56580.9	63536	68086.8	62529.1	64126.6	58391.3	TRUE
83854.4	74117.6	70351.5	73860.1	76059.6	88802.6	82124.2	63801.4	TRUE
193519.7	203256.8	230187.5	261729.6	239395.5	264845.7	212963.2	230108.6	TRUE
173403.4	140819.9	196030.6	198152	137886.6	193447.3	173122.4	173272	TRUE
133478	124929.8	157466.8	144896.9	123272.5	135493.6	152853	128957.4	TRUE
83484.5	76889.6	66381.4	80476.3	58612	92803.2	72754.2	69180.5	TRUE
57741.4	43260.6	55283.7	87179.4	61429.6	55797.2	72591.6	53666.1	TRUE
373816.6	324440.2	421081.4	452819.3	339417.4	396217	433222.8	388326.5	TRUE
25632.2	57782.4	39568.6	67121.3	43862.1	22906	13349.6	14565	TRUE

150714.6	136659.2	142544.8	149057.1	168902.9	135613.4	126065.1	128638.4	TRUE
893460.5	835811.6	1097362	1432083	922483.1	1345384	1245735	1053943	TRUE
61487.1	70248.8	94691.4	113121.9	95033.3	101114.7	117256.7	95840.4	TRUE
222463.8	447572.9	297788.8	489344.6	526864.8	117843.4	116085.5	147928.4	TRUE
1707775	1244153	961679.4	1213665	1266292	1532149	1071106	1875020	TRUE
672897.2	473135	527895.1	633710.5	619639.3	742460.1	535366	768562.8	TRUE
285557.6	257335.4	330159.6	309014.8	326963.4	360589.6	225797.9	301084.5	TRUE
3866072	3364673	3662435	4894023	3599446	3813189	4352926	3703739	TRUE
140473.5	294806.6	197394.5	304316.3	308888.7	151847.2	137162	124872.5	TRUE
373873.5	337502.5	377828.5	443574.4	306667	484039.3	400544.9	447523.9	TRUE
94105.2	82745.3	90855.6	74517.8	66901.8	75943.1	75713	61723.4	TRUE
208630	180220.1	161853.2	147680.6	131624.4	176480.5	145801.9	155456.3	TRUE
253119.5	164947.1	204241	178389.1	159946.8	205626.1	180989	141243.5	TRUE
475231.3	347621.8	406723.3	400132.5	333797.2	371615.4	375614.4	299537.2	TRUE
224700.6	121057.4	234715.7	311904.9	172797.5	242472.5	268943.1	187146	TRUE
426772.4	314586.7	455568.6	393832.9	406097.4	481961.7	323280.1	495437.3	TRUE
105745.4	131000.7	117454.5	116540.2	119743.7	111156.4	111023.4	126132.4	TRUE
31356.7	43799.9	23475.7	25558.8	23041.4	28067.7	24177.9	21457	TRUE
106625	85197.8	53498.5	56578.6	53884.3	57950.9	70103.5	69024.4	TRUE
103796.6	85263.5	88627.2	117867.2	93723.1	84447.5	88913.7	90180.4	TRUE
422703.3	396310.3	417586.9	496931.3	486191.7	419590.7	441993.9	441036.3	TRUE
2438045	1925743	2130192	2466355	2427832	2122868	2435408	2535051	TRUE
117376.9	103114.1	127727.5	115422	137591.4	97020.1	114486.9	105975.1	TRUE
102611.1	160921.8	115924	189175.7	198320.1	66037.2	99455.4	108098.5	TRUE
47005.5	101167.6	77541	85888.7	71262.9	35939.6	27425.8	35429.6	TRUE
149270.4	261794.1	214945.3	213883.9	229618.4	86723.8	99642.6	100370.6	TRUE
75092.2	62781.1	71611	75068.2	77414.4	67905.1	59906.1	60638.7	TRUE
47164.3	53161.9	50490.4	38889.5	48400.5	46619	36742.9	45043.1	TRUE
24626	40545.9	25360.8	30630.1	36904.1	29734.9	36297.3	37471.2	TRUE
55396	60212.2	65263.9	76095.6	70667.9	63975.1	69753.8	77249.1	TRUE
33588.8	46238.4	46359.1	43421.7	59162.7	25389	30663.7	37862.5	TRUE
53698.5	44752.8	55820.9	31796.1	27346.3	51035.3	33444.7	30233.6	TRUE
171706	132631	142342.3	178947.2	214005	131684.2	112220.4	161781.5	TRUE
67668.9	49379.8	60551	69963.3	65213.1	72897.4	80938.7	68953.1	TRUE
84652.4	69187	77485.9	129978.7	74319.1	127031.4	103704	104944.9	TRUE
33820.6	37271.7	40150	30214.1	39061	41916.7	33904.5	43920.6	TRUE

117707.9	103127.2	100059.6	107905.7	141950.8	143767.3	119038.6	129696	TRUE
178434	154520.7	140198.9	163145.2	211403	237010.4	189441.2	230328.2	TRUE
248607.6	290695.8	277316.9	397622.3	321876.7	300134.7	400054.9	310011.1	TRUE
58798.5	50816	106251.9	83025.7	54863.5	97245.8	47511.5	55802.3	TRUE
166145.6	208676.6	288107.1	239579.5	176532.1	245864.6	190581.9	157723.8	TRUE
250907.2	253759.5	264126.3	259292.4	169888.5	283139.2	200883.1	193714.5	TRUE
347843	246210.4	237929.3	315347.6	400238.7	475678.4	365001	440682.9	TRUE
150504.6	116094.5	207917.6	204188.3	138182	194261	159683.1	161949.4	TRUE
183756.3	133764.2	211300.5	192304	124438.9	220493.6	137881.8	142397.7	TRUE
455964	321653.4	459167.9	361436.4	326343.3	450738.9	290167.1	287046.3	TRUE
456072.7	370113.8	674504.1	611676.7	456029.5	770060.1	490616.7	505873.6	TRUE
198100.8	196877.6	195883.2	199347.3	274069.6	272486.9	225628.1	244279.1	TRUE
563397	591886.5	538121.8	560048	703569.6	603481.8	588899.3	612672.2	TRUE
54527.3	63665.2	43107.8	63713.5	40840.1	63880.5	64818	52079.9	TRUE
2665149	2381489	2776244	2444186	2668805	2444335	2388805	2388858	TRUE
80465.6	91904.8	67621.3	75956.5	102614.4	68406.6	81897.2	84018.5	TRUE
271042.2	293751.7	197123.6	236583.7	272016	209427.2	283813.2	308215.9	TRUE
108300.8	92494.9	87117.1	83138.8	137097.2	162124	127615.5	129683.4	TRUE
135858.5	100926.3	116427.9	116256.8	157953.9	197887.7	165461.8	197936.3	TRUE
38873.2	82990.4	64110.6	75134.4	75583.5	19914.1	29501.2	24062.7	TRUE
99486.6	137925.3	110724.6	109882.5	140258.6	112134.3	170980.6	98783	TRUE
1008584	1412976	1019802	1566724	1309013	1043570	2008332	896353.1	TRUE
158288.2	162216	132327.6	154627.1	164055.3	143386.6	187855.7	183994.4	TRUE
28480	33600.6	33798.6	37402.7	27812.6	45421.9	37648.3	32137.6	TRUE
44118.2	27045.3	47861.3	35039.3	43277.1	40875.6	47767.3	49866.3	TRUE
79007	74756	92577.2	103710.1	110808.6	113234.5	114910.8	99731.8	TRUE
26602.9	13900.3	37021.2	56895.3	44473.5	45200.5	45433.1	44371.5	TRUE
23243.5	50774.7	50552.3	42793.2	53106.3	17473.4	11878.2	31379.3	TRUE
254375.7	262728.8	197750.4	210917	172631.9	214281.7	213437	190473	TRUE
222538.1	185825.4	139486.7	162150.5	122188	147912.6	134711.4	133925.5	TRUE
61845.7	53914.6	61053.4	72826.7	54365.1	67837.7	61120.5	51938.7	TRUE
800549.8	653635.6	807320.7	1026215	696411.5	891031.9	834473.9	652024.4	TRUE
324300.6	229960.2	357147.9	363350.4	323576.2	333371.4	313423.6	373192.5	TRUE
3662210	3488398	3101844	3488360	3245114	4034102	3787758	4287698	TRUE
86089.8	97966.4	90727.2	115544.8	108609.3	56137.2	66314.3	58674.4	TRUE
222649.8	207253.1	207309.3	216567.2	225074.4	251014	215710.7	302671.3	TRUE
59195.1	62758.2	54271	61577.9	44555.6	66973.4	61804.7	49421.5	TRUE
59888.1	54658	71263.3	56459.8	44050.3	66242.2	73911.9	55559.8	TRUE
468987.5	373691.5	401625.1	469322	352931.3	384344.3	427169.2	360984.8	TRUE
178634.5	134069.8	170389.4	194035.9	145686.7	176661.9	154249.2	137766.9	TRUE
43816.9	92663.8	62899	57566.4	73153.5	34742.4	33857.9	25680.6	TRUE
654778.4	529231.9	684632.2	756834.3	488455	704949.8	631905	525020.8	TRUE
76236.5	81071.6	38190.9	92883	69908.4	42071.6	104447.5	90546.6	TRUE

100531.6	69103.3	64339.1	94432.1	50573.2	115858.6	137834.6	86760.3	TRUE
26428.1	34641.3	32937	24976.7	26423.8	26633.3	25850.1	29955.9	TRUE
50106.8	85604.1	45151.2	63845.8	93802.3	44612.8	50458.1	40828	TRUE
246383.4	264332.3	266742.6	287202.1	190175	225024.5	268484.9	227482	TRUE
79752	45225.4	83911.2	92729	59756.9	124305.6	68458.9	96892	TRUE
65469.5	61052.8	82154.1	70664.3	76253.6	80158.9	82694	118598.8	TRUE
163773.6	178366.8	195397.3	245990.3	208890.1	218893.1	240480	298248.6	TRUE
51088.6	67138.6	43344.3	60424.5	49431.3	42803.2	51125.3	52062.4	TRUE
27013.7	19918.1	23073.7	23669.6	25676	30948.6	22971.9	29852.6	TRUE
125755.4	118286	114814.4	150783.5	115039.8	142273	130088.5	130299.3	TRUE
132228.8	106965.7	105776.8	150197.9	114272.4	138743.9	111518.4	94247.9	TRUE
20761805	14347319	21987839	21746841	22075302	21257302	15419051	21675326	TRUE
308846.3	266275.4	269657.2	316994.3	301812.6	260333	269223.6	294064.5	TRUE
537885.3	418088.5	530147.1	542941.7	424689.9	572685.9	491712.6	429449.5	TRUE
112061.1	108415.5	119139.5	117974.5	123810.7	123938.1	123114.8	128034.8	TRUE
623046.2	444960.9	521569.2	536657	728230.8	588626.9	447735.2	606293.4	TRUE
1047484	790107.7	1000202	1007783	1112826	1196688	839999.8	1184756	TRUE
599951.3	588677.2	430053.7	482776.5	478349.4	452881.1	507253.7	491654.5	TRUE
341603.7	330291.6	369707	395680.1	338526.3	393592.6	342783.4	308590.7	TRUE
161799	177906	169855.2	170021.5	157890.9	162968.5	192707.4	155955.7	TRUE
46037.6	59193.6	29632.5	35151.6	51777.5	35401.4	60029.4	43529.3	TRUE
61669.2	69633.5	169233.9	53528.9	74936.9	66127	89818.8	61637.5	TRUE
2731088	2256391	2441366	2519721	2627554	2536931	2090035	2519132	TRUE
2249326	1829517	1873429	2001110	2114790	2091493	1687916	2158209	TRUE
112124.4	99335.3	132868.2	144262.9	115733.2	146920.1	121666.3	126890.9	TRUE
395030.8	313655.1	451222.5	510343.5	476019.9	481886.7	400437.1	412660.3	TRUE
24519.7	28668.8	18879.1	34859.4	28960.2	27298.2	33119.2	28764	TRUE
197361.4	149950	206127.4	206752.6	188534.3	191210.2	191719.6	184263.4	TRUE
71674.8	83449.7	73334.1	95377.7	94338.6	103209.9	69908.3	79385.9	TRUE
93622.6	94018.5	78375.5	79587.5	104569.6	100585	123960.7	93355.3	TRUE
16089.6	14529.3	6480.2	6921	12382.8	7276.4	16167.7	7568.1	TRUE
151212.7	127610.2	120167.5	126955.1	145157.1	134382	132351	150995	TRUE

152732.5	109815	135022.2	177436	195602.2	144521.1	127510	170286.3	TRUE
18518.4	26208.4	20319.4	25901.5	27362.6	19163	24782	27860.6	TRUE
116197.3	130685.8	133869.7	120134.1	128539	127993.6	110186.9	132789.2	TRUE
153758.4	131832.7	147878.7	169511.2	193488.5	139550.2	157012.2	202032.2	TRUE
1153525	1023882	949370.8	1042600	973352.4	1141641	1064950	1167370	TRUE
88221	58787.4	72277.6	75073.7	74866.4	83622.7	96089.9	91277.1	TRUE
21047.2	21821.1	12669.4	12267.1	7378.8	26113.4	19396.7	16989.5	TRUE
177728.2	154487.7	135878.3	175396.5	194929.6	227421.5	168966.5	232945	TRUE
72484.3	63012.7	57584.5	71332.1	67496.3	97910.5	86026.7	89109.9	TRUE
96670.7	116143.5	65700.6	112002.2	108965.3	120472.4	138018	114082.9	TRUE
836606.8	710077.2	594949.5	726150.6	734516.1	930797.7	895282.6	966588.7	TRUE
109000.1	112831.7	111300.3	101826.6	84156.6	110622	113409.8	109132.4	TRUE
109467.3	137717.3	125418.9	113452	124220.8	134703.8	140733.9	130912.2	TRUE
84726.5	101004.8	171726.3	40653.5	68362.8	181285.8	127335.2	76301.4	TRUE
133554.2	141318.9	176688	119583.9	105381.6	229832.8	157621.7	109438.1	TRUE
247743.7	134632	234630.4	201130.4	331728	147116.3	152611.1	149794.3	TRUE
46819.2	40714.6	56352.2	97551.7	134726.9	33262.6	47350.5	64530.8	TRUE
81662.7	49027.7	94797.5	72062.5	50512.4	127303.7	77468.1	63772	TRUE
55830.4	38682.2	51542.4	43824.6	54096.7	45587.2	41072.8	51302.5	TRUE
22409.8	27176.3	19504.8	29116.3	28721.3	23739.9	17907.5	35139.9	TRUE
90170.9	74649.8	73216.8	81891.8	105754.9	79773.6	76317.7	101826.5	TRUE
101404.4	101779.5	106663.9	128376.3	116294.1	106084	146000.1	96153.2	TRUE
294719.1	320367.8	323010.8	331892.9	254043.5	324036.9	360035.8	331357.7	TRUE
43000.9	11173.6	30788.3	53352.4	54837.7	28155.5	33924.1	49157.4	TRUE
52985.2	38453.1	48268.2	38136.5	32173.6	56673.7	48866.7	60849.3	TRUE
126026.2	147015.3	139621.2	165290.1	105667.8	161162.2	152375.9	166274.9	TRUE
20575.7	7750.4	36876.3	26390.1	29150.9	8012.3	28808.6	13579	TRUE
118789.9	103570.2	87277.7	126517.4	122611.7	88062	122588	128286.1	TRUE
268886.5	309104.9	227995.4	272136.6	279536.1	210531.3	278733.8	273179.8	TRUE
61977.7	59882.2	70164.5	74321.4	76605.6	86067.6	71347.4	99173.5	TRUE
29494	51816.5	36800	68129.6	70414	27056.9	34771.7	30788.2	TRUE
121451.4	159741.4	45903.3	83836	114846.1	53346.7	79070.4	105689.5	TRUE
92656.8	97420.3	64378.2	106165.2	100190.5	81727.8	119689.6	108606.5	TRUE
835334.1	1089831	967982.4	991260.9	472075.9	965558.4	1132013	945457.6	TRUE
649747.9	697377.6	465679.7	905469.6	883517.8	548565.2	861638.2	883494.8	TRUE
294813.3	288124.3	257794.7	271372.3	245317.1	278801.8	314227.3	309018.9	TRUE
518799.6	308362.1	225549.4	244502.8	395912.3	398469.2	299307.8	385594.2	TRUE
316534.9	270759	312285.3	390244.8	304844.2	346709.2	272031.9	330440.6	TRUE
34672.2	36821.2	55841.1	59457.7	58176.6	32312.1	8342.7	20954	TRUE
533211.8	473179.9	371886.4	343713.1	622857.3	593233.5	479451.4	591919.3	TRUE

524852.1	435776.1	343914	333100.2	687284.8	633005.9	455243.4	585012.7	TRUE
24466.7	34474.5	29904.7	37107.7	36400.8	6404.2	11178.1	13477.6	TRUE
178160.2	116592.5	100765.5	133151.5	96873.4	129594.9	85599.2	107165.4	TRUE
283274.3	177517.3	255939.5	260558.7	223086.3	251026.5	178707.4	223673.7	TRUE
327650.9	242831.9	363629	344858.5	314373.1	402524.4	236168.3	282447.7	TRUE
202527.7	132325.1	236481.5	245803.8	185322.5	241527.9	155272.7	184917.9	TRUE
91926.1	83501.8	83249.9	102196.8	82625.1	79772.5	54538.5	49861	TRUE
426123.4	372155.5	297718.3	273386.5	588243.5	606191.8	424018.6	611289.3	TRUE
95122	114735.9	94689	90350.5	179163.1	97184.8	88301.8	87209.5	TRUE
34568.8	18229.5	28656	32527	27370.3	26648.3	145203.6	31880.3	TRUE
16165.2	22696.6	21623	23867.2	19946.9	23328.5	29697.9	23965.6	TRUE
14383	10489.5	21156.4	21231.9	19604.9	27964.5	11294.9	5756.3	TRUE
78918.6	56996	74970	80439.9	66313.4	103644	52999.6	90204.3	TRUE
102386.7	108501.3	97104.9	134192.2	72350.5	105627.8	103921.2	86334	TRUE
335833.7	324857.1	245988.3	294712.4	283676.2	340735	343096.3	355428.9	TRUE
1105074	1297897	837876.1	1071263	997875.1	841579.6	1337225	961171.4	TRUE
1190750	1181013	886457.6	1144965	1164943	968414.4	1304888	1169415	TRUE
1095139	937673.1	1204009	1211994	1064378	1279406	1135129	1185959	TRUE
23113.4	32253.8	30620.3	47972.8	55252.9	18824.4	32905.4	12371.9	TRUE
34916.9	46971.1	35174.2	45668	37525.5	35277.2	47239.5	40243.2	TRUE
59630.9	44177.9	32486	31612.3	47828.7	39896.7	60505.5	43819.6	TRUE
162145.8	170629.7	128785.8	133560.7	198437.4	139383.3	175036.2	175574.5	TRUE
474827	481282.8	470977.8	434936.6	308359	359064.4	380415	338830.9	TRUE
520382.6	566526.2	544286.2	533616.7	431618.4	459224.4	498219.4	454095.3	TRUE
147941.4	143877.4	207802.6	188277	125529.5	149988.1	156524.1	135201.5	TRUE
825267	1036925	893892.8	937370	695544.7	885594.6	886595.1	722064.2	TRUE
155006.2	111098.1	162778.5	165301.6	126612.7	101618.3	135010.8	135701.3	TRUE
257677.3	247482.6	189014.1	223216.2	151151	183826.9	242269	217683.3	TRUE
674839.8	542870.8	404930.4	448841	339048.8	433140.8	536568	466980.3	TRUE
115735	86475.5	219042.5	92317	50301.4	215443.7	100085.2	59932.4	TRUE
127845.6	95356.6	184362.4	95224	62099.9	215613.8	103527.2	72887	TRUE
83590.4	50295	112073.8	97777.6	181531.8	105140.1	69329.1	71860.3	TRUE
360428.8	265427.6	711244.7	295800.9	261356.6	746795.8	343908.1	242822.5	TRUE
103215.8	120897.2	115402.4	86152.3	80211.7	130474.9	94146.1	78718.6	TRUE
19283.6	7494.9	28067	7415.3	4944.2	27572.5	12765.6	6953.8	TRUE
39291.1	34974.1	49250.8	35483.3	22868	55847.6	38187.7	24362.8	TRUE
77817.5	58285.1	88952.6	57586.6	96914.5	78145.4	57355.2	80597.2	TRUE
56238.3	39080.5	45230.9	50806.5	69404.6	43345.6	36043.1	41500.1	TRUE
28508.4	49062.9	59070.9	21764.3	26970	45101.7	30604.4	22296.4	TRUE
225268.8	259866.6	309518.8	281481.3	241576.9	307048.3	244197.1	202610.8	TRUE
56170.4	54499	69590.9	55117.3	40409.8	163979.6	74440.5	47097.3	TRUE
101347.7	132026.3	154562.9	110277	100690.7	157669	161448.8	95578.2	TRUE
207613	236749.8	217049.2	223846.3	212477.8	217621.8	261833	209913.2	TRUE
77151.4	76587.6	47589.1	85319.7	65088.5	62922.4	62695.6	85933.6	TRUE
219811.6	169674.5	196134.9	187280.4	178916.7	200791.5	205501.3	181946.2	TRUE
175156.5	199063.3	167142.6	165300.5	168576	198833.2	204687.8	165223	TRUE

241466	211893.6	220245	214247.2	251808.6	251766	273820.4	274139.4	TRUE
74788.6	63992.3	46274.3	75385.3	59513.6	71262.5	81558.5	81803	TRUE
33110.9	29669.7	19520.1	22161.9	21485.8	35373.1	31082.1	34503.2	TRUE
150290.9	165667	135482.4	130008.1	141545.5	121847.2	149341.2	163768	TRUE
142804.8	194359	260584	171959.9	161735.6	142161.7	146081.7	137953.4	TRUE
535528.6	385537.1	458762.1	581893	506538.6	697794.9	523689.5	678976.8	TRUE
395408.4	361898	406661.6	523992.5	393047.3	379047.5	445282.9	344832.6	TRUE
100119.9	98167.4	101704.5	112806.5	119404.5	107869.1	97266.8	103353.4	TRUE
238369.9	240026.3	228639.8	295455.7	302170.6	234876.7	220321.1	319119.6	TRUE
82567.1	59878.9	56929.5	76459.8	119298.5	80058.8	63244.5	113569	TRUE
232044.5	176536.8	167529.7	278011	209577.5	217238.7	246436.7	285280	TRUE
97986.7	76043	68618	97698.7	75834	103087.9	113048.2	124860.4	TRUE
146230.9	121343.9	109756	140545.4	140561.2	188848.8	184835	163688.7	TRUE
466025.9	444424.7	424301.1	461202.2	499044.2	471629.2	391228.8	453060	TRUE
155014.1	126212	159913.3	197112.9	191301.5	197617.6	156144.6	159723.1	TRUE
228297.9	77385.1	86319.3	93794.4	107669	119735.5	105110.6	114372	TRUE
39666.3	60040.7	45776.1	46131.9	56728.7	39183.6	31160.5	24716.5	TRUE
139811.5	134029.8	162906.6	167867.4	145904.8	160335.3	125598.7	162407.3	TRUE
131078.1	130535.7	137482.8	180476.2	154793.2	128633.2	157212.3	155417.7	TRUE
304845.9	318402.4	248315.2	258477.3	270959.3	311346.8	340027.2	325586.7	TRUE
43125.2	24937.7	38709.5	55654.8	38028	56475.4	47052.2	64113.5	TRUE
70535.8	67986.8	49318.1	64823.5	63126.4	60584.4	51419.4	59449.5	TRUE
85439.4	105817.6	89650.6	101662	97161.3	105277.3	112655.9	70077.1	TRUE
553779.5	450310.4	535539.6	674563.7	653237.6	591290.1	597770.8	662860.7	TRUE
75942.7	67502.5	55600.1	87990.5	77458.9	101068.2	94443.7	100794.6	TRUE
66926.8	35638.4	48207.3	87130.3	53845	63310.2	71197.9	83761.6	TRUE
359740.8	273896.8	239094	358472.3	305951.1	399775.4	378271.6	424688	TRUE
160612.5	155614.6	176188.4	169289.4	149783.2	159064.7	161332.1	178204.7	TRUE
774597.6	750145.4	689752.5	861064.8	732588	695679.8	746114.1	744804.8	TRUE
1557102	1229079	1587603	1573719	1460494	1569310	1362410	1611987	TRUE
39270.5	32648	33646.7	35047.2	21633.1	47790.8	46295.8	29979	TRUE
38073.7	29512.3	36290.2	32666.5	36002.8	56702.7	34842.2	55054.9	TRUE
135050.1	84157.8	133969.6	132378.3	146267.2	142067.9	101697.8	141613.8	TRUE
223672.4	254463.9	149592.9	195290.5	207142.3	151528.4	234410.1	228699.2	TRUE
84652.8	93901.4	108236.2	99467.1	87569.8	104621.1	99484.8	102463.8	TRUE
65813.3	57113.5	80202.4	77843.5	65475.1	85384.6	63468	78729.8	TRUE
101263.3	74121.4	85697.9	98337.8	89503.2	89276.8	75594.9	105589.3	TRUE
132026.8	111336.8	131983.7	129976.6	108491.9	128736	137292.8	100387	TRUE
100625.1	78657.9	93276.8	105468.5	98077	102291.9	74489	96160.6	TRUE

477710.9	479434.7	342033.7	350631.3	320811.1	364228.1	398904.1	334602	TRUE
198535.7	221988.2	169526.8	211724.8	179853	177496.1	203499	176112.8	TRUE
476566.2	538230	495843.7	517857.4	446810.4	528990.1	521103.1	443174.1	TRUE
504115.8	439735	608780.4	639441.1	489479.6	537449.7	443481.6	510261.8	TRUE
568372.4	582359.5	777582.8	859176.9	657338.2	686957.1	547519.4	664304.5	TRUE
189509.4	201052	181962.6	214929.3	214945.4	198100.9	208424.2	203587.8	TRUE
14578.4	23114.9	2791.5	7725.2	34137	5561.3	26599.3	50927.8	TRUE
19470.2	7410.7	18687.2	9814.5	8346.5	9043.3	11882.8	12564.7	TRUE
1131329	1162800	922187.2	1187499	1566728	961743.3	1168299	1453754	TRUE
659202.9	659938.8	479620.9	641459.9	824243.2	559223.1	668929.2	803707.4	TRUE
1444953	1700886	1437303	1492995	1164033	1594486	1856806	1575183	TRUE
333146.3	250572.6	200717	318870.3	309998.9	303075.4	364905.6	433074.9	TRUE
136836.7	86843.9	84879.9	102832.5	96156.6	126260.5	120642.2	130537.6	TRUE
287069.3	256275.8	234844.2	265478.1	245877.9	268523.7	362951.5	302816.6	TRUE
119341.7	133804	101012.6	105615.2	115260.4	130002.9	111656.8	120058.5	TRUE
73462.2	62143.2	66159.9	61991.3	51755.4	56130.6	73918.1	68515.2	TRUE
226462.9	188602.9	215565.8	268294.6	223925.7	223525.9	213807.7	204237.7	TRUE
550283.2	534959.1	483074.5	596177.2	505365.6	535216.1	525614	497004.2	TRUE
912280.5	761025.8	840301.7	926311.9	842421.1	910205.5	796508	909643.3	TRUE
78193.2	102835.9	81824.1	110665	85689.8	77590.3	67849.3	93700.3	TRUE
75412.7	67242.6	56266.6	70038.4	65562.3	87969.7	62690.6	89887.8	TRUE
142096.3	105604.8	128582.4	153897.5	132323.2	129046.6	113876.3	139934.8	TRUE
759754.4	728822.5	660099.4	853233.5	828859	750479.2	685660.3	789742.6	TRUE
34628.6	5746.6	36049.6	37418.8	34859.8	29346.7	36859.1	33209.4	TRUE
64752.8	66443.4	231949.1	69141.5	51399.9	54776.4	48179.1	59944.9	TRUE
34866.4	27965.2	36401.7	43948.2	40263.8	31148.6	34163.5	35753	TRUE
40611.5	38935.3	152668.9	33900.7	45335.3	53295.4	41654.4	37352	TRUE
353066	259900.1	365561.5	323427.9	309951.3	384603.3	261660.3	282326.3	TRUE
208247.8	141455	171938.7	176448.2	230900.9	204145.6	167276.2	223260	TRUE
7781.4	10969.3	17955.8	22376.1	21410.8	15898.5	10999.9	26309.8	TRUE
21355.6	33944.2	26528.1	26956.9	21406.6	34551.4	37226.6	31339.2	TRUE
46040.5	45071.3	50364.8	39816	59079	75817.1	61827.8	57572.5	TRUE
28139.7	45150.6	45379.9	49877	35193	52239.8	50004.4	60952.5	TRUE
70944.8	52062.9	63962.4	58362	72089.5	53368.8	65010.9	59408.2	TRUE
50756.1	37379.5	59426.1	69864.9	67406.3	54860.2	61576.1	53971.3	TRUE
298284.2	206716.9	281224.4	298930.7	209309.9	307761	236627.7	243961.1	TRUE
34864.6	30509.5	31788.6	42659.5	43351	44129.8	41715.5	67495.7	TRUE
34167.6	35007.5	23996.3	27111.7	27565.5	29757.6	37991.6	28732.8	TRUE
21958.1	21808.3	7931.3	27395.2	21617.8	32512.4	37181.5	27906.8	TRUE
28540.7	36866.4	18016.1	30149.3	23248.6	37963.2	35718	37754.1	TRUE
149284.6	120870.1	151794.1	142079.5	130305.3	161519.2	126651.6	163701.8	TRUE
428474.6	469705.4	408409	360603.1	449916.9	431339.7	431271.3	404171.6	TRUE
1396886	1560100	1211710	1236326	1498197	1463105	1406628	1463682	TRUE
99983.5	93543.8	80231.7	94413.8	89576.3	105693.3	100505.6	112644.8	TRUE

129456.4	119418.6	134411.5	123490.8	106932.8	141277.9	142922.6	134683.6	TRUE
87338.5	91163.7	58662.5	84393.3	69295.9	73968.3	119413.7	96199.8	TRUE
72028	73556.5	47728.1	56518.4	69389.3	75951	94023.2	94807.9	TRUE
54057.6	76187.1	46647.3	70973.1	91887.3	68280	65135.8	69057.4	TRUE
219235.1	280168.1	317070.7	269169.3	153140.3	221726.9	320257.6	229990.8	TRUE
96015.3	113303	95822	110898	65492.5	91968	114115.1	100670.6	TRUE
125455.8	104612.1	77045.3	122528.6	112534	120112.6	152611.7	149225.9	TRUE
83086.6	60441	56534	70881.6	83839.5	72163.3	113283.3	82936.2	TRUE
35438.4	11165.6	19821.1	34917.4	36971.1	25210.7	13650.6	43270.8	TRUE
216597.7	218986.4	191565	229190.8	169283.4	185563.4	231937.9	224821.7	TRUE
231098.7	171701.4	299547.9	225239.6	167159	216869.8	255181.9	252479.1	TRUE
278987.7	159114.3	313072	378407.2	242960.8	395043.8	271087.3	277049.3	TRUE
74224.3	93287.6	66319.6	75132.8	65682	73186.6	137836.5	75046.8	TRUE
131364.2	124130.3	74684.3	114468.9	65096.8	132204.1	152352.6	109102.1	TRUE
87458.9	75539.6	90283.6	101929.8	74894.4	121072.7	82476.7	96598.8	TRUE
74314.1	61529	51676.6	79350.5	39898.8	46024.9	74383.8	36135.7	TRUE
55479	49307.5	41909	70809.3	47074.8	57135.2	59504.6	64245.7	TRUE
100522.1	52161	53259.9	78722.6	79014.6	80749.4	56580.3	79775.3	TRUE
286233.9	337379.2	200965.3	308338.9	195278	231038.7	309915.6	237306.4	TRUE
359024.8	263270.9	456196.9	469780.1	264936.3	446177.1	251322.8	439629.1	TRUE
104056.1	171678.1	164241.5	159317.7	115642	138448.9	169499.4	113113.7	TRUE
164974.8	121906.7	202860.4	273903.5	149244	225237.7	153063.7	224953.6	TRUE
125392.5	101186.9	160469.6	191170.2	123885.4	152355.5	97425.5	118726	TRUE
97422.9	88984.3	77235.7	76147.1	74335.4	112356.5	93849.6	90264.3	TRUE
1069587	909284.1	691569.8	963362.6	879896.7	723212.4	760253.8	913512.5	TRUE
188484.1	172245	117908.7	178366.6	158279.3	132533.2	142830.5	158839.2	TRUE
418531.4	392785	432023.8	503552.9	473479.4	440610.8	423663.6	461165.2	TRUE
336574.9	278278.8	345927.4	377409.5	301528.6	375669.8	322869.6	347212.4	TRUE
119476.3	116146.1	91334.6	125738.9	120659.6	133177.8	119518.1	130737.5	TRUE
5866666	5538944	5126792	5142907	5112621	6394671	6143198	6494918	TRUE
176514.8	186943.4	181705.4	192405.5	281806.7	210200.4	203957.2	246549.4	TRUE
221094.1	225441.4	216205.9	283765.8	377843.7	249726.1	288463.5	350356.9	TRUE
212195.9	174148.6	225580.8	213542.3	142996.3	197795.6	196718.9	179485.3	TRUE
32773.7	9848.9	23475.8	29296.4	11240.6	30667.3	16695.8	22583.5	TRUE
61850.9	42631.9	64681.7	65720.4	60098	75063.9	54165.9	60854.2	TRUE
134976.5	167390	163305.7	162603.2	144166	176792.4	158093	149628.2	TRUE
71596.1	82213	59299.4	62156.6	43104.7	62640	57588.6	47897	TRUE
536496.1	526471.1	544581.4	534533.4	456171.1	523146.9	540947.3	490585.9	TRUE
648506.2	571579	776905.5	723782.8	664201.2	653263.8	600045.3	678800.5	TRUE
1607350	1273083	1917800	1851162	1767886	1723267	1382448	1535586	TRUE
36986.2	28117.4	30475.1	28838.8	35447.7	26438.8	34108.2	40512.4	TRUE

195842.5	185617.9	183395.8	199648.9	151030.1	216449.5	194295.6	146669.9	TRUE
319267.9	354329.6	291308.8	275126	268262.5	304710.2	330492	281896.5	TRUE
144693.7	122256.9	167537	118324	138608.5	180494.4	106706.1	147289.4	TRUE
211054.1	141784.5	183639.3	257748.1	243370.4	203761.1	208179.9	204620.3	TRUE
664714	563817.2	614087.3	649669	703366.6	651714.9	559559.6	673447.6	TRUE
60152.9	60675.6	63111.6	51960.9	48869.6	65809.8	73883.4	48759.1	TRUE
35964.9	29082.4	28696.4	31516.9	29867.4	25612.7	30611.3	34619.3	TRUE
114588.1	141381.7	104539.1	141930.6	128343.8	106308.4	136579.1	121125	TRUE
51653.3	73649.2	52008.5	60727.7	62898.8	50829.9	60212.2	56694.4	TRUE
155277.5	163745.8	157968.6	164864	137184.5	141515.7	166247.9	137610.8	TRUE
65245.1	77940.3	48237.1	53060.7	73114.2	61917.4	59326.3	47250.8	TRUE
132759.4	140776.6	149319.2	131959.2	119590.2	143608.3	120270	112942.9	TRUE
127932	144307.5	138531.3	122160.3	144958.8	128662	157225.3	157682.5	TRUE
55300.2	71294.8	37744.4	28820.2	48086.9	49025.2	31535.3	38263.5	TRUE
126592.2	112144	125292	113016.2	143615.2	124920.3	149607.9	143673.7	TRUE
41062.4	34203.2	34779.8	53993.7	55754.1	61312.2	56779.8	62125.5	TRUE
186660.9	176173.9	171015.6	180364.1	178272	190803.6	213396.1	204236	TRUE
16281.5	19821.4	16051	9132	24272.7	18294.7	10930.5	16430.1	TRUE
17711.8	32139.6	15881.8	22595	22183.9	17374.7	22548.1	20003.1	TRUE
3318191	2504762	2681680	3090428	3553716	4278924	2514920	3923971	TRUE
684338.5	551124	567087.2	757085.5	513995.3	758847.8	703061.2	625179.4	TRUE
106362.4	99242.3	98382.8	127842.2	76187	112802	104991.8	94509.7	TRUE
76292.9	53702.5	63725.5	54883.8	63690.5	59222	56085.5	87416.5	TRUE
82123.2	60846.5	63497.7	70111.1	73548.5	83382.4	62914.9	87367.1	TRUE
98265.3	68888	70729.9	97601	74441.3	112496	87231.9	109137.1	TRUE
198573.8	169369.7	138983.6	201309.9	176917.7	268043.5	197579.5	253603.2	TRUE
92296.6	80246.5	102755.3	84425.1	48686.1	125527.5	83844	66862.3	TRUE
63946	82438.2	73504.1	110146.4	61203.4	80908.7	84406.4	90897	TRUE
27562.2	24580.6	34117.9	36230.1	37497.6	32299.4	29024.6	27769.6	TRUE
101976.5	116001.3	107852.1	107214.4	102555.7	126357.7	125309.5	120861.2	TRUE
36625.4	35056	26964	25637	30000.7	33614.4	39001.3	35094.8	TRUE
247113.1	222534.7	286583.3	313649	311798.8	461082.1	300006.5	526798.1	TRUE
496876.2	503519.9	338327.9	420490.3	378628.4	355340.8	437932.7	380103	TRUE
906253.5	862906.1	888608.8	944327.3	743293.8	832495.1	782817.5	793170.9	TRUE
228637.3	207717.1	278168.1	244295.8	254295.1	204075.1	213131.8	209401.3	TRUE
2620048	2374735	2032129	2369695	2224843	2429537	2475132	2405783	TRUE
201517.7	183206.5	172036.2	184496.3	179394.9	228325	205661.1	213492.9	TRUE
114260.9	335578.6	175717.3	332923.5	361179	52492.3	56067.5	69793.6	TRUE
13140655	11499461	10998626	12285273	11584240	12405951	12277331	13110401	TRUE
454140.2	420318.1	423231.4	431469.7	438056.7	453495.2	464114.9	459575.4	TRUE
1332474	1138228	1209768	1281427	1177461	1306357	1159336	1283335	TRUE
68385.2	48983.1	55210.2	51202.1	49592.9	62416.1	56950.3	71795.8	TRUE
103217.6	102671.6	126210.8	109526.6	128653.9	127968.7	109461.6	117933.9	TRUE
57952.1	31427.7	56554.1	68292.7	72200.4	74295.5	57877	63313.9	TRUE
305714.9	224632.2	308717.1	343613	320718.1	361612.5	284258.9	328664.4	TRUE

186281.8	195674.4	180543.8	197013.3	229490.7	225769.6	200094.7	197078.9	TRUE
93124	59439.9	99505.5	96762.9	86091.6	97802.3	101158.7	83229.6	TRUE
616533.7	728672.4	554902	560433.1	541183.1	603568.3	634646.9	646879.3	TRUE
76696.5	51388.8	42029	78242	65300.2	69093.9	76558.4	86222.6	TRUE
72867.4	63680.1	97141.7	75011.2	95034.2	90023.8	83775.6	96334.5	TRUE
83286.7	76221.3	129071.9	85924.4	124019.4	99635.5	107897.6	115715.4	TRUE
201000.4	173299.6	112120.1	169811.5	155561.7	174713.8	164298.2	226720.3	TRUE
44041.6	62997.1	56011.6	70188.7	48786.3	45337.9	52965.1	53286.3	TRUE
26727.1	6924.1	9188.7	13056.9	21477.3	23686.4	9999.3	23638.7	TRUE
29092.7	35127.5	25140.1	27361	37937.1	28741.5	32472	41381.4	TRUE
30245.1	20988.3	27712.9	27659.7	26977	33358.5	27040.7	30365.3	TRUE
125558.2	113419.1	107723.4	84497.4	124730.4	108513.9	141408.6	127974.5	TRUE
61946.5	74838.9	65385	70970.5	72166.3	66801.3	75647.8	75340	TRUE
84449.4	81517.5	66148.5	112658.1	89660	97109.3	110292.5	112413.6	TRUE
129858	114129.7	97069.8	131976.9	114417.1	100500.9	132666.7	127470.2	TRUE
42031	44049	47161.1	27349.3	59990.9	42081.8	38714.7	42012.5	TRUE
88438.7	99351.2	101482.6	87499.7	79101.2	78499.7	132930.6	85837.8	TRUE
71289.6	105218.8	68545.3	45988	61306.8	68574.6	104055.7	48431.6	TRUE
189805.2	254879.3	132499.6	166416.6	180915.3	148617.6	277804.5	192726.7	TRUE
67142.9	45384.9	72685.6	108746.7	62131.1	45329.1	69065.5	60848.3	TRUE
299491	228701.5	267338.9	351515.9	314303.7	327212.6	285619	275143.1	TRUE
8868.4	29140.5	16315.4	26080.2	21803.1	18031.4	10976.8	12999.4	TRUE
143142.4	166079.6	128476.2	114890.6	115761.9	114925.5	162584	142468.7	TRUE
142964.4	178573.5	123435.2	117663.5	207487.8	141883	148450.8	212168.4	TRUE
201650.3	175039.3	219945.3	218383.8	165381.6	155319.8	168757.7	188685.4	TRUE
226624.4	223132.6	241913	312059.3	210011.7	258418.5	198269.1	251070.4	TRUE
41854.1	43816	28004.3	45388.6	46729.1	49728.2	40173.4	49915.8	TRUE
37825.3	23055.1	40232.3	26493.3	28472.3	42510	33675	37829.7	TRUE
46507.4	33267.1	29970.5	44602.1	53939.3	58379.2	49018.5	40599.3	TRUE
99101.4	145421.5	136084.2	180930.4	157634	110591.3	132776.9	97693.7	TRUE
53434.3	47553.3	39853.2	58354.6	36303.5	37582.6	44995.8	47558.2	TRUE
338969.8	300601.7	281726	335183.6	360508.2	298343.6	358803	349239.3	TRUE
314111.9	326937.4	293675.8	364232.6	362941.1	340082.5	328328.5	323246.6	TRUE
117576	80293.1	88838.5	104963.7	84878.4	97409.2	91602.6	88159.1	TRUE
2558801	2112858	2237065	2463823	2436077	2256396	2318033	2357470	TRUE
168451.2	167216.1	151861.2	162904.9	202135	140341.1	161157.4	171844.4	TRUE
80030.1	73703.8	64343.3	94539.9	76413.9	68425	76926.5	72862.7	TRUE
144715.8	139448.4	137822.5	158870.1	144082	154267.5	169194.1	145660.6	TRUE

426268.2	313049	567111.2	353942.8	457011.1	447895	385774.1	455294.9	TRUE
59064.8	51514.7	53609.9	50569.2	63687.2	42693.6	56517.6	46671.4	TRUE
193761.7	166703.2	171949.2	191496.1	210683.3	268604.9	188651.4	231658.7	TRUE
544980	555729.4	561696.8	548001.4	590810.3	629642.7	553608.2	611802.5	TRUE
56080.8	9708.1	33698.1	30550.6	30548.4	50070.2	32992.5	42227.8	TRUE
75106.5	79388.5	66085.9	59525.4	85715.9	68908.3	63846.2	92346.6	TRUE
594823.6	452549.1	533182.6	492135.3	718490	536579	477635.9	517203.9	TRUE
366336	290641.1	460497.8	330265.3	347588.6	473978.4	394678.9	349956.7	TRUE
166589	143141	207988.8	163502.2	126445.8	208866.8	157806.6	132949.3	TRUE
408653.5	372837.7	538069.3	344998.9	336713.9	639025.6	360603.6	346146.9	TRUE
139466.2	128304.9	225860.5	130341.7	142903.1	228447.6	154080.3	142769.2	TRUE
24251.8	47925.8	30659	42038.4	39410.6	19179.6	10913.8	18080.7	TRUE
787254.3	633266.6	962846.9	803152.1	657443.5	1089329	767426.8	676099.3	TRUE
82879.3	60436.7	120282.2	70086.9	73569.5	152500.5	75026.4	69451.3	TRUE
461781.1	395681.1	385695.7	439944.6	611256.4	457596.6	403301.9	467545.4	TRUE
41482.1	31261.8	41092.2	39548.6	59783.4	37408.6	46130.3	41920.1	TRUE
283803.3	276860.9	417348.4	321164.5	275217.9	459532.2	290709.5	279289.8	TRUE
78143.7	74536.8	95233.8	79748.6	63802.9	108925.9	69478.6	50417.8	TRUE
106199.6	91875.5	110813.5	92174.9	84747	111081.9	93174.6	102447.3	TRUE
44507.4	35600.7	51649.7	45537.9	39397.3	53516.4	40884.2	49346.9	TRUE
53350.6	44370.4	50350.8	43939.9	76127.8	42910.8	47555.1	49475.8	TRUE
213621.1	154383.7	344915	177260.1	141042.7	391937.3	168723.3	181583.3	TRUE
319519.5	299898	272643.7	252597.5	501426.4	304377.9	292961.3	384100.8	TRUE
91331.3	73612.4	103164.4	71684.5	72481.4	116987.9	75775.2	75194.9	TRUE
594823.6	452549.1	533182.6	492135.3	718490	536579	477635.9	517203.9	TRUE
366336	290641.1	460497.8	330265.3	347588.6	473978.4	394678.9	349956.7	TRUE
166589	143141	207988.8	163502.2	126445.8	208866.8	157806.6	132949.3	TRUE
408653.5	372837.7	538069.3	344998.9	336713.9	639025.6	360603.6	346146.9	TRUE
139466.2	128304.9	225860.5	130341.7	142903.1	228447.6	154080.3	142769.2	TRUE
24251.8	47925.8	30659	42038.4	39410.6	19179.6	10913.8	18080.7	TRUE
787254.3	633266.6	962846.9	803152.1	657443.5	1089329	767426.8	676099.3	TRUE
82879.3	60436.7	120282.2	70086.9	73569.5	152500.5	75026.4	69451.3	TRUE
461781.1	395681.1	385695.7	439944.6	611256.4	457596.6	403301.9	467545.4	TRUE
41482.1	31261.8	41092.2	39548.6	59783.4	37408.6	46130.3	41920.1	TRUE
123492	143468.7	123406	141628.3	131235.4	124519.2	139941.1	119226.7	TRUE
107999.8	96658	123722.1	107407.4	93065	142887.6	102889.9	131863.6	TRUE
40404.9	36468.3	45370.8	46788.6	25616	59183.7	45836.7	51249.7	TRUE
194831	138960.5	144438.3	137518.6	145130.5	183576.9	185633.8	221894.1	TRUE
1200233	1181049	1095732	1206240	1029474	1135709	1322671	1080922	TRUE
327496.8	265545.8	312313.3	359323.7	288567.1	339664.6	311627	309358	TRUE

868724.1	692635.9	849166.9	1010984	890137.2	868014.8	722560.6	868644.1	TRUE
30498.8	7921.9	9796.1	12950.8	11147.6	7509.7	17110.3	8668.1	TRUE
137825.8	163694.9	105487.4	175226	152895.6	126241.3	200434.5	167343.9	TRUE
72297.5	56772.1	60943.2	106634.9	64685.6	60851.7	93122.4	88394.3	TRUE
218674.2	215192.6	200972	237612.8	225063.3	197609.2	256229.9	210371.5	TRUE
34634.1	27012.7	31494.6	26006.5	8567.8	29675.7	36483	47049.9	TRUE
117904.2	73760.7	66941.6	96945.9	91186.7	103780.8	109688.2	112536.7	TRUE
41759.7	24496.3	39811.9	50043.8	30956.2	47014	60092	54922.2	TRUE
272129.6	245777.3	208422.1	323126.8	305164.6	329528.6	345351.7	379736.5	TRUE
106612.1	105891.9	94861.9	88005.1	96568.3	96231.9	81728.2	85825.6	TRUE
259486.5	242725.6	254203.3	266822.1	245212.6	314164.2	309184.4	319366	TRUE
411626.8	430148.9	335944.9	375325	353852.8	368370.4	365682.2	404787.9	TRUE
39074.2	17471.5	15361.6	15697.8	23353.4	29215	19497.8	30025.7	TRUE
829669.9	1298748	1318067	1361764	447279.5	998110.9	1390656	1063681	TRUE
154979.7	216126.1	185865.5	223389.9	104219.8	196026.1	215547.1	180177.1	TRUE
594908.7	501087.8	566998.6	578708.8	552789.9	548287.6	527218.5	555296.9	TRUE
42141.9	27643.8	24170.6	31007.7	24107.9	37568.5	46344.7	25415.6	TRUE
10430.5	8090.5	9776.2	8871.8	9763.2	10407	9541.3	10528.5	TRUE
61300.1	32513.6	40104.9	65349.4	37835.7	48856.3	55104	47459.5	TRUE
42310.6	47330.8	28775.9	38249.2	64558	33022.1	67938.1	67284.3	TRUE
18634.6	30820.5	31293.5	7270.1	17414.5	22853.6	18840.9	19750.8	TRUE
78158.7	81961.2	93506.4	68709.8	79690.8	105713.6	100279.1	96687.2	TRUE
605022.6	571646.7	628810.1	552597.5	587903.5	571056.4	541166.1	512280	TRUE
386890.3	305035.4	318784	347489.4	458877.9	362582.3	346443.4	442979.9	TRUE
83150.1	98493	44518.8	124621.6	106176.3	59397.6	90841.6	100341.7	TRUE
125692	115368.4	67217	155213.5	151805.8	72455.5	144234.4	154505.5	TRUE
133383.8	147138.3	155505.5	173702.5	79773.2	191612	152272.3	178407.6	TRUE
425402.1	394715	317276.2	429414.4	361689.4	368520.3	392739.3	375184.6	TRUE
539541.2	600923.4	626595.6	650171.1	564033.5	511216	488414.9	485495.4	TRUE
44379.8	112333.7	54447.9	109072.4	80999	22489.2	36036.6	29288.6	TRUE
123856.8	238743.8	144692.2	313313.2	249513.5	88109	54939.8	99242.7	TRUE
70594.2	105451.1	96282.2	145146	129214.9	49713.5	45926.5	53607.7	TRUE
13358.2	10862	6160.6	13696.4	28625	6903.4	13053.1	24040.4	TRUE
36924	18012.7	45651.1	39964.1	38823.4	30706.3	36646.3	28210.5	TRUE
204514	157046.6	201156.6	182633.8	167082.6	208793.1	184386.6	235921	TRUE
183494.8	174850	188821.7	184002.6	149536.5	233200	226044.6	242992.6	TRUE
235005.2	221806	287687.9	247115.9	200716.1	292823.7	238197	225673	TRUE
253792.2	209381.9	208082.5	215425.9	303239.3	274133.2	206937.6	238995.9	TRUE
224421.9	194303.5	198277.4	156523.4	281185.3	246925.8	204107.6	242539.5	TRUE
54489.3	41031.2	64375.3	46356.8	39594.1	66764.8	41160.9	37247.9	TRUE
68275.5	73232.9	97002.6	93638.2	84004.2	110693.8	67071.7	73265.4	TRUE
1645718	958591.1	1429901	1268987	2341570	1518988	1102344	1485630	TRUE

92630.7	82062.5	88973.7	73773.3	69301.1	101303.1	94068.2	85395.7	TRUE
110067.6	101489.5	93109.3	129710.8	151203.5	100358.9	95158.7	107357.1	TRUE
181633.8	138749	136269	136913.8	207973	176223.5	140608.4	165463.8	TRUE
75900.9	46799.6	51713.5	71552.5	110651.1	72569.6	45803.4	84784.5	TRUE
208880.8	177067.7	238969.4	197620.4	158459.6	305539.7	207930	197677.8	TRUE
50242.1	61691.7	59777.4	51058.1	29946.2	55956.3	57298.7	45474.1	TRUE
153421.2	94150.4	162665.3	145898.2	91183.9	236079	138064.2	131863.7	TRUE
219426.5	195859.5	171443.8	187070.4	300423.1	212570.8	189503.8	220752.7	TRUE
124658	100339	154475.6	129537.2	115076.3	148360.5	103875.9	121718.7	TRUE
229525.1	175708.5	139247.8	177907.1	213217.6	259790	193178.2	248849.9	TRUE
363017.7	311719	424495.8	389825.3	383162	425906.2	275741.3	396417.8	TRUE
257163.7	225094.3	182852.9	196568.8	250399.4	290973.2	246893.8	297271.2	TRUE
92401.9	89534.5	52392.1	66295.5	90144.4	117218.4	99404.8	107971.5	TRUE
31102.1	25323.6	34381.5	37493.8	29727.1	19572.6	13767.9	25136	TRUE
120631.9	73205	73018.1	108853	102565.8	124004.7	106344.4	144097.2	TRUE
34562.9	26831.6	35345.7	14700.1	19770	45254.5	29290.6	22268.9	TRUE
61383.6	42316.4	54450.1	53002	51961.5	104917.9	82909.2	60394.9	TRUE
10512.2	7896.9	7776.9	8907.1	21368.1	7105.7	16206.8	15883.9	TRUE
101673.6	82676.9	90123	100036.4	95629.8	105821.9	88329.8	74900	TRUE
151240.3	144600	157201.9	162296.1	156147.1	159278.2	162620.5	163092.1	TRUE
116739.7	101513.5	280353.3	84754.6	122515.7	83922	95176.1	113457.6	TRUE
305798.6	320473.5	266709.2	364610.5	363716.1	255173.6	343249.5	405065.6	TRUE
259142.7	207437.7	230778	226082.7	236724.2	210537.4	256660.9	237291.1	TRUE
1251511	1086340	1106075	1093372	1205191	1158533	1148782	1106015	TRUE
187508.8	217014.7	243802.7	217040.3	209810.8	200743.3	217435	238546	TRUE
18804.4	23534	4508.4	14088.1	21337.7	6654.3	23453.6	24486.9	TRUE
427447.5	421678.1	268613.2	311432.4	309856.6	283282.6	326816.2	341581.6	TRUE
325467.4	271521.2	300745.9	334657.2	368854.8	295874.6	311268.6	333293.1	TRUE
628986.8	554882.2	602175.9	725951.2	715571.4	602551.4	595793.6	655213.5	TRUE
191964.1	186313	184173	169472.1	144864.8	188923.9	210827.6	144399.7	TRUE
221230.3	150986.9	144416.2	166769.6	165107.1	241956	226369.9	226589	TRUE
156654.5	137837.5	152391.9	172267.9	173147.5	163700.9	180860.8	217732	TRUE
37203.4	22711.8	36474.8	29938.3	35896.2	37412.1	39850.1	51194	TRUE
69951.7	76093.5	67932.1	89809.8	82767.8	91873.5	86186.4	86370.6	TRUE
63861.8	63760.3	44409.1	43886.7	52843.6	51870.6	52414.7	42448.7	TRUE
29904.8	32564.2	41484.8	36757	24803.8	25253.7	35162.5	28870	TRUE
58297	46491.4	48528.5	51790.8	34744	68244.4	55693	61320.5	TRUE
84422.3	61623.1	53347.8	91644.4	87292.9	83081.3	85120	97296.1	TRUE
548434.3	327264.8	497772.9	487549.1	596816.3	589834.7	410593.5	628160.5	TRUE
166840.5	151911.7	107932.1	173196.7	154079.2	163013.4	132291.3	156704.3	TRUE
87684.9	58545.1	161401.4	67063.5	49414.3	151114.7	58089.3	50942.8	TRUE
245408.8	192026.7	381539	192046.1	168437.2	392093.1	196171.8	199750.2	TRUE
350157	215365	291772.2	325620	690786.4	279054.3	258501.1	277156.1	TRUE
514072.1	331454.4	979001.6	315754.7	237510.5	1142618	363200.6	273147.8	TRUE

108852	70309.4	90148.8	78957.2	147986.6	50060.3	87189.4	67503.2	TRUE
258071.1	111330.6	164886.5	200688.4	523414.9	210216.9	151640.8	234252	TRUE
129226.1	129282.4	131299	114167.7	125631.7	155718	102389.5	116642.6	TRUE
102602.1	101204.5	90611.7	77805.7	88002.4	101424.7	90499.6	87978.5	TRUE
607872.6	489872.5	661215.7	691652.1	883067	1497275	963850.5	1033449	TRUE
42083.3	37409.2	57113.2	53196.3	47888.7	55715.7	41733.1	40600.6	TRUE
1159119	1039867	1540727	1174248	889755.5	1693206	1042038	923185.1	TRUE
310481.9	253742.6	409739	235723.9	223934.5	415490.1	309125	300916.9	TRUE
538543	566021.5	542103	507591.1	437550.3	684583.4	606845.8	418389	TRUE
70840.2	90620.3	81614.3	78751.3	79362	65943.8	71627.4	75071.5	TRUE
290939.2	225174.1	372326.6	268433.9	238306.2	401195.7	283937.8	261854.2	TRUE
341345.2	273138.5	352363.5	336284.6	270128.2	424503.4	323531.2	279853.5	TRUE
198628.3	144052.8	158230.7	169343.2	260409.4	181381.9	168214	203093.7	TRUE
80030.1	73703.8	64343.3	94539.9	76413.9	68425	76926.5	72862.7	TRUE
144715.8	139448.4	137822.5	158870.1	144082	154267.5	169194.1	145660.6	TRUE
916973.4	948911.7	1006678	1045367	905337.5	1392658	1027896	1386010	TRUE
88140.3	100952.1	102065.8	82456.9	104754.3	98067.6	77223.5	133905.7	TRUE
264358.2	220718.1	195042.6	259391.8	227744.4	241983.1	320949.4	268044.8	TRUE
120013.4	121780.7	106376.6	119866.5	122177.8	118211.8	131038.5	113045.4	TRUE
109688.3	120926.4	120640.3	127944	132005.4	112102.6	130580.7	127545.5	TRUE
218674.2	215192.6	200972	237612.8	225063.3	197609.2	256229.9	210371.5	TRUE
34634.1	27012.7	31494.6	26006.5	8567.8	29675.7	36483	47049.9	TRUE
117904.2	73760.7	66941.6	96945.9	91186.7	103780.8	109688.2	112536.7	TRUE
41759.7	24496.3	39811.9	50043.8	30956.2	47014	60092	54922.2	TRUE
272129.6	245777.3	208422.1	323126.8	305164.6	329528.6	345351.7	379736.5	TRUE
106612.1	105891.9	94861.9	88005.1	96568.3	96231.9	81728.2	85825.6	TRUE
259486.5	242725.6	254203.3	266822.1	245212.6	314164.2	309184.4	319366	TRUE
411626.8	430148.9	335944.9	375325	353852.8	368370.4	365682.2	404787.9	TRUE
39074.2	17471.5	15361.6	15697.8	23353.4	29215	19497.8	30025.7	TRUE
443455.6	374500.4	507649.9	442923.9	455759.7	509470.5	383364.6	453299	TRUE
320754.3	273584.8	300872.1	368388.4	337202.7	313218.5	273535.2	327360.5	TRUE
380256.7	334056.4	308804.3	332700.1	431396.9	390252.8	377699.8	421196.1	TRUE
109742.6	120178.3	97318.8	94468.5	134146.8	80723.1	99392.1	120417.6	TRUE
442167.3	366555.1	437091.1	570806.5	439714.6	469309.3	385729.2	487083.1	TRUE
352534.3	290802.2	365106.2	371793.7	324699.3	372373.1	298960.1	312796.9	TRUE
471442.6	431579.4	339937.6	390104.9	515512.1	494859	460131.6	542488	TRUE
507765.3	494345.6	430178.3	337355.9	325446.5	405027.1	381120.6	320717.1	TRUE
311942.5	180091.8	326438.7	302045.2	382399.1	243767.1	208817.5	261804.8	TRUE
1759731	1137202	1708972	1665008	2372229	1476591	1267076	1473491	TRUE

182746.6	138390.2	217075.8	207552.7	196865.9	154392.4	155572	145351.4	TRUE
98431.6	73670.6	184248.4	82526.2	61183.9	155958.7	81634.3	58746.8	TRUE
101352.2	98184.9	165408.8	85939.2	85796.7	151002.8	106127.3	73817	TRUE
71091.9	70311	107314.8	62766.1	79545.7	103682.6	76377.1	65812.7	TRUE
364748.4	292914.1	303271.4	320727	581587.9	303686.6	249430.9	315835.5	TRUE
256020.9	219762.4	285648.7	174203.4	158606.8	312742.6	191184.7	145286.1	TRUE
555445.4	520659.7	861162.2	596546.3	428289.8	954314.8	614022.9	511176.5	TRUE
182876.9	160770.6	215643.4	184501.4	173937.4	245432.3	177129.9	173806.4	TRUE
86154.8	89117	108585.8	77904.9	81958	130304	92685.1	77427	TRUE
137066.8	89055.4	158521.1	130295.2	255790.7	91437.2	106775.9	101246.1	TRUE
235630.1	190568.3	238251.9	242338.8	397369.1	186804.4	179026.5	188404.3	TRUE
80935.7	61607.7	150120.2	86241.1	66045	154755.9	86923	42930	TRUE
1354755	1244709	2572126	1040413	771003.3	2849812	1386820	905639.5	TRUE
56101.5	44539	56192.1	46830.7	36404.7	37117.8	50704.2	53395.3	TRUE
38419.4	50690.7	28277.8	31766	51744.7	37461.5	45698.9	43839.3	TRUE
124574.4	99284.9	106407	132191.7	106118.8	105993.7	124846.5	127275.7	TRUE
25908.7	36520.9	14890.3	9925.6	40771.6	38037.3	40175.9	49689.3	TRUE
51927.2	41616.7	34321.8	53968.7	42047.1	55082.9	59861.5	57657.5	TRUE
86080.2	116752.5	73160.3	83676.1	85160.3	78597.5	113402.2	89189.2	TRUE
446633.7	463121.2	420658.4	486454.7	610910.4	432607.5	425825	438056.5	TRUE
166589	143141	207988.8	163502.2	126445.8	208866.8	157806.6	132949.3	TRUE
408653.5	372837.7	538069.3	344998.9	336713.9	639025.6	360603.6	346146.9	TRUE
139466.2	128304.9	225860.5	130341.7	142903.1	228447.6	154080.3	142769.2	TRUE
24251.8	47925.8	30659	42038.4	39410.6	19179.6	10913.8	18080.7	TRUE
494155.3	385336.9	442412	440520.5	599019.7	470699.7	376660.5	467574.1	TRUE
275993.5	205914.7	265407.3	266688.8	383939.6	287002.1	207612.6	273253.2	TRUE
72954	63321.1	73954.2	89201.9	68379.2	61099.3	75895.4	73894.5	TRUE
154304.8	142580	137425.2	145823	165388.8	142844.5	151503.9	174096.6	TRUE
182082.3	165954.5	165131.1	167257.8	186561.7	167545.1	183229.8	190131.4	TRUE
101624.4	111024.5	50708.6	84831.9	88896.6	64190.7	84592.8	76401.1	TRUE
196815.1	177378	177234.9	226790.1	286227	178484.2	220964.3	276514.7	TRUE
83178.8	88156.7	84731.2	103273.9	133854.9	89329.7	102270.8	150354.3	TRUE
67416.9	62797.7	82659.1	95073.2	59683.1	63910.7	81242.9	85094.7	TRUE
143337.3	121273.8	117950.7	139482.9	160427.2	151090.5	126802.7	136882.2	TRUE
44210.4	31993	40983.7	48319.7	48316.1	60340.2	54829.3	52238.8	TRUE
188224.6	190055.9	142510.3	162994	176343.5	210625.4	266817.5	252879.9	TRUE
167843.1	167184.3	121173.2	127343.1	119203.7	140664.9	178087.7	125585	TRUE
43321.1	45668.2	46261.8	57060.3	42030.3	54390.1	44305.4	53422	TRUE
143629	125079.9	131069.1	132716.4	127013.1	159370.6	150456.4	97519.2	TRUE

80657.3	70020.5	80440.7	93996.7	57571.2	98420	83725.8	59766.1	TRUE
58444.1	64021.2	46826.2	65214.2	39506.2	67212.2	65178.4	57490.9	TRUE
16772.4	24237.2	23206.4	7416.9	28406.8	16172.2	8196.2	8835.6	TRUE
97694.1	96477.3	102279.8	95348.7	83404.9	96485	97147	98876.5	TRUE
72808.1	74364.7	66507.7	84104	64128.4	82247.8	67456.7	68399.3	TRUE
252350.9	222331.9	235019.2	307020.6	288041.5	314300.5	258607	312373.9	TRUE
45951.8	56964.3	31286.8	34958.4	9318.1	42483.6	49725.7	34008.3	TRUE
355628.4	341761.2	392752.1	462580.2	393895	315264.7	354047.1	337742.7	TRUE
202153.3	192774.6	206224.8	245717.1	224530.3	194977.6	191528.7	216624.1	TRUE
218568.8	212039.7	211060.9	237468	277860.3	202215.5	171197	213167.2	TRUE
1197802	1123501	1353508	1259413	1128252	1206717	1235903	1236181	TRUE
1021231	1056804	1219057	1214728	1024935	958952.3	1120690	990194.8	TRUE
53013.2	44669.4	37452.9	35245.1	34185.3	58526.1	90725.4	71848.9	TRUE
353988	383876.5	219760.8	273160.7	241162.3	370627.6	539662.1	332424.9	TRUE
1033789	696272.1	1302312	1506931	1030286	899826.3	968020.1	1193736	TRUE
116151.2	65056.4	148288.9	133850.7	96282.7	115252.6	105569.6	115474.2	TRUE
246935.3	230260.9	193152.3	192834.1	182677.2	249605.4	205944	176243.5	TRUE
82630.4	58881.7	81796.5	79642.7	73127.6	85579.3	74805.1	62624	TRUE
40270	32621.9	34395	36978.8	34628.2	12815	42638.1	38426.4	TRUE
522449.9	424343.5	466176.8	501043.6	546774.6	548210.2	425894.5	521839.4	TRUE
136134.1	152874.9	110962.7	127433.4	103323	157383.8	96546.2	120907	TRUE
62170.5	78872	119215.4	90225.8	80883	111254	73834.5	80078.8	TRUE
211387.5	168225.1	166657.4	239110.2	261251.3	227039.1	199573.3	222535.3	TRUE
40501.9	27276.4	54016.6	59800.6	66428.1	44798.6	50282.4	28600.4	TRUE
41481	35112.6	52036.9	32904.2	32647.6	39454.9	44397.6	31061	TRUE
314746	370189.7	391859.6	303867.4	255985.6	395796.5	332577.6	248182.5	TRUE
101665.6	87671.8	88518.3	84788.7	83724.9	84197.8	93853.9	92108.1	TRUE
88543.8	107758.8	119612	117942.9	138934.3	65356.1	70043.5	84677.3	TRUE
584084.5	401060.8	604991.4	597258.3	856696.4	425264.3	438958.8	379438.7	TRUE
80620	89528.8	99855.7	72033.3	71758	125051.2	117128.3	86743.1	TRUE
36116.2	18162.2	33190.3	30206.6	34528.4	12228.5	11777.8	11284.5	TRUE
256292	242015.3	194587	336020.1	279103.8	200772.3	256537.1	262969.2	TRUE
42360	39202.4	26747.7	40130.3	54555.7	28622.6	34163.6	39052.2	TRUE
42158.3	54070.6	60415.2	45813.1	35071	56561.2	64496.1	65743.7	TRUE
95012.7	101019.1	83561.1	87160.9	57150.6	124444.8	111240.8	117009.6	TRUE
66770.4	61929.2	58051.6	95810.9	69527.2	79864.1	64596.3	78447.5	TRUE
81668.7	98255.2	93243.8	115239.9	86004.6	90486.5	80515.2	95163.9	TRUE
96761.6	101829.2	117935.2	96245.7	108807	76774	75613.7	76955.7	TRUE
111752.5	90948.8	87901.9	135560.5	103419.9	98485.7	104100	96050.3	TRUE
759722.2	809256.3	529958.9	584360.7	806813.1	544050.4	877834	834334.3	TRUE
321182.4	373992.2	373017.4	418910	311134.9	326642.3	361017.6	304818.1	TRUE
81842.3	66763.4	68317.3	97197.6	84461.2	59479.9	80675.2	98318.6	TRUE
97009.5	97230.2	71507.9	91666.3	109668.5	97406.3	103419.1	145631.4	TRUE

231325.1	191816.3	233099.7	254369.5	185170	211605.4	217255.9	193541.2	TRUE
584797	620708.3	661476.5	699143.6	531140.1	609510	596317.3	638014	TRUE
418176.9	388227.4	432754.4	459302.7	353953.7	382548.5	459913.8	436482.9	TRUE
134385	101472.4	130619.1	124443.3	121558	125145.6	132486.1	108757.8	TRUE
47759.8	51940.8	38471.5	49529.3	43759.6	45868.5	45046.2	54055.9	TRUE
237680.3	265869.5	154494	163706.6	270876	143002.8	281293.5	289702.8	TRUE
172894.5	215423.6	239463.1	201981.2	171665.3	145499.2	186931	163073	TRUE
161293.5	161883.3	125587.1	137673.7	157562.8	153691	154652.6	153117.4	TRUE
238899.5	198282.4	244709.7	306352.9	225569.4	236732.1	202810.7	254706.3	TRUE
47422.6	61613.5	43153.8	72382.7	36891	42281.9	68662.6	47137.4	TRUE
129860.3	137104.4	90379.9	123107.5	98878.3	111089.8	112175.8	90638.8	TRUE
44266.8	49466.3	36605.8	41467.7	41589.5	47081.2	53366.3	62090.3	TRUE
225798.5	246261	254222.1	275117.2	217136.1	264802	268414.3	259108.3	TRUE
31888.6	51330.7	29855.2	40553.7	26960.7	31408.8	56780.9	35441.8	TRUE
101389.8	134865.9	99407.8	106840.3	115072.5	115168.6	146409.7	97736.3	TRUE
122030.9	122072.5	105864	141391.9	101634.7	108863.9	149675.5	95150.4	TRUE
300206.9	300215	356870.4	211322.9	216102.1	403133.9	323463	234146.6	TRUE
105022.3	144866.1	119330.2	75051.9	85061.8	124442.1	149881.8	74088.3	TRUE
466258.5	360595.7	705002.8	603006.1	569898.3	352671.5	387948.4	362895.3	TRUE
869381.1	702775.7	1038254	1043106	796679.5	877672.6	703393.9	901683.2	TRUE
47067.1	46696.6	34307.8	43939	33515.6	21774.8	23203	31173.7	TRUE
153201.4	173489	137285.8	137685.1	131307.8	124246.6	180617	141086.8	TRUE
131647.5	171797.8	120632	118093.4	107067	122346.8	159199.8	107187.6	TRUE
663654.1	559079.1	852685.7	851157	717501.9	569004.5	596083.4	611937.7	TRUE
1147278	872302.4	1518698	1461176	1160472	984999.2	964444.4	936169.8	TRUE
87347.7	99769	72509	79064.6	111291.7	80790	115730.6	99553.6	TRUE
440292	438046.2	443082.3	558603.5	368506.3	456741.8	592910.3	533257.6	TRUE
195148.8	171043.3	120189.7	153870.3	175948	188952.7	253135.4	253425.8	TRUE
219684	227223.1	221295.5	239417.2	179011	224253.3	254428.4	211631.6	TRUE
52987.3	67328	57690.7	60238.3	52535.7	53607.2	59996.7	69845	TRUE
72565.6	78437.1	53740.8	58869.1	66511.8	80205.3	110741.7	97012.7	TRUE
230747.7	225689.7	248815.9	250474	250307.1	239368.4	287095.6	263401.4	TRUE
194231.2	206272.8	150906.3	147486.6	212767.9	188967.7	225725.2	185633.7	TRUE
116357.1	86102.6	169794.9	103603.5	88613.8	174336.8	112717.5	109008.1	TRUE
129373.5	100215.7	246444	125044.1	112044.1	230395.2	118404	107826	TRUE
64758.8	50893.8	47761.2	51892	89909.2	39692.5	38947.4	57277.6	TRUE
1067475	839434.4	1579026	1040214	928245.3	1681659	960155.2	924908.6	TRUE
439797.2	358178.5	667080.2	434706.5	434316.5	678569.9	382763.4	408372.3	TRUE
110788.8	97168.3	107892.5	97575.2	180093.6	156714.8	130960.7	131981.3	TRUE
110046.8	104187.8	159252	101880.4	90470	166046.7	115112.4	122335.4	TRUE
27614	11559.3	56460.8	12616.6	26205.6	52899.5	29121.8	33169.3	TRUE
89833.8	70500.9	119008.5	108570.4	60695.4	109895.4	74467.4	102457.2	TRUE
33784.9	47144.2	23749.6	47743.3	52155.8	13784.9	40245.2	36628.9	TRUE
63224.7	87378.3	43160.3	109422.4	100965.5	29387.4	98902.3	99797.9	TRUE
20530.5	23490.7	12566.6	13947.2	5890.1	32003.2	18372.1	20945.8	TRUE
20332.7	33694.4	26336.3	30006.6	26275.4	26680.4	38980.9	24717.8	TRUE
121370	102700.9	118595.6	128812.7	107654.4	129510.4	113629.7	114783.2	TRUE

65879.8	65675.4	49664.2	43934.6	71468.7	80654.9	75336.7	68458.1	TRUE
133548.7	119580.8	101863.5	107328.1	86376.9	98093.5	111671.3	89815.7	TRUE
142073.7	144682.9	101124.9	154040.3	121949	128015	121060.9	128003.1	TRUE
60598	62577.8	66587.5	56435.4	64888.3	62328.8	61833.2	66891.1	TRUE
97353.3	94654.1	118736.6	83159.4	80634.8	95968.6	82138.9	89618.8	TRUE
98959.4	111355.7	107294	125392	84585.3	124729	93536.2	102215.6	TRUE
348368.1	324300.3	326037.8	398873.9	371532.7	341519.4	349575.3	387627.3	TRUE
148496.7	111708.5	128738.2	126012.4	127431.4	127387.9	123877.3	142537.1	TRUE
345677.4	240710.1	253742.4	291623.1	273088	331066.9	318116.7	352672.7	TRUE
940963.9	819676.7	730822.9	1009583	1116388	1022843	922590.9	1040713	TRUE
154430.9	164999.4	152887.5	167412.5	142647.4	137229.6	193597.2	132706.1	TRUE
72675.3	47131.7	50967.8	71069.6	69266.1	63531.5	62722.6	67107.3	TRUE
192869.2	143845.4	177863.9	202660.4	194591.5	193426	172795.3	196492.6	TRUE
172590	232005.4	130834.4	170311	159760.2	153497.4	223797.9	174200.6	TRUE
105417.2	130289.6	85890.6	77437.5	75725.4	106381.2	112442.8	79951.5	TRUE
55738.9	70112.6	50483.4	52801.1	61382.9	52426.3	58666	50645.3	TRUE
233210.3	179658.6	300426.7	337501.3	214724.1	206450.6	181118.8	220031.3	TRUE
9220.8	9192.3	10964.6	32001.9	9592.7	6742.9	10456.8	11277.7	TRUE
105210	111522.8	122219.3	106802.3	100489.2	98556.7	115457.2	90530.9	TRUE
9797.2	25996.3	8429.5	33141.3	22604.5	23835.6	22819.6	26305	TRUE
173702.3	163695.1	186848.2	198475.5	141107.6	204467.6	145139.6	163196.4	TRUE
158708.3	128016.9	194952.8	262444.3	184931.2	230713.2	181815.5	182235	TRUE
205028.1	176201.7	172105.7	212206.3	174871.3	185672.1	187704.8	177459.3	TRUE
86111.1	81828.1	119442.9	134970.6	85573.4	120798.8	89878.8	100740.2	TRUE
400720.2	282431.4	314442	329964.5	378059.6	447168.6	286706	440150.5	TRUE
46547.9	49098.6	38333.3	38415.6	61158.3	32976.8	66938.3	59472.8	TRUE
63854	68387.9	53737.5	69631.1	55593	61379.5	65403.6	63003.2	TRUE
73614.6	86479.7	47271.7	64123.5	109579.2	55040.1	99644.5	102948.2	TRUE
73750.8	72377.7	105209	99424.3	66324.2	68854.8	92161.1	80656.4	TRUE
55261.8	41306.5	56464.3	44413.1	40716.9	51813.6	41209.5	52803	TRUE
95674.3	83972	78518.3	76016.8	99308.2	110600.6	121385.1	115384	TRUE
43116.8	26644.5	40847.5	39893.3	33013.6	52154.4	65400.9	57585.7	TRUE
229769.3	200374	249071.5	280507.6	231281.9	178690.7	207727.9	220249.6	TRUE
18084.1	32149.8	25294.7	22922.6	29177.6	26317.8	33218.7	22998	TRUE
180029.9	178850.1	175118.3	184868.9	155342.1	204069.4	203982.7	152734.8	TRUE
142102.6	132199.5	154170.1	126545.8	97075.7	148107	145670.5	104703.5	TRUE
166883.5	116385.8	185631.8	159008.7	207040.5	187989	133361.7	201276.9	TRUE
138215.4	97608.5	132102.8	130066.2	102603.8	139281.6	128927.6	105391.7	TRUE
161955.2	136533.5	145969.5	164579.9	188073.1	186690.4	135671.5	196115.2	TRUE
75526.6	89311	76199.4	70450.7	78377.3	74608.7	98502.9	82089.4	TRUE
70908.8	72800.5	72267.2	75175.1	86838.1	86908.1	81290.2	85483.5	TRUE
202352.5	222305.3	230373	251369.2	183363.5	201832	212607.7	226697.3	TRUE
42820.1	26206.4	30470.1	32101.4	30411.1	26416.8	33497.3	29830.5	TRUE
26459.1	31027.4	23360.4	32765.4	27132.8	22898.5	22700.6	27897.8	TRUE
31561.2	38395.8	24286.7	43098.6	47174.6	29836	42723.6	38202	TRUE

1150429	937830.8	1043146	1338467	980600.5	1184461	1109811	1308119	TRUE
204851.8	177366.9	183563.9	214421.3	185780.9	184132.9	218957.7	220263.3	TRUE
92562.7	96433.5	81297	94095.8	67235.8	84389.4	105231.9	71448.7	TRUE
365489.1	314718.5	411533.7	417280.3	331993	431723.9	327058.5	358352	TRUE
56840.2	59267.3	48842.5	59824.1	45331.2	39582.3	62863.5	56459.3	TRUE
120827.7	160337.2	122410	145782.1	123409.4	145571.8	163999.2	125128	TRUE
61160	53211	60741.8	65655.3	77059.6	81580.3	77473.6	71929.3	TRUE
165999.4	170963.1	176445.3	206522.2	192416.7	146087.7	171688.4	164016.8	TRUE
338730	345250.9	321690.9	307691	305534.1	316205.1	362863.9	296911.3	TRUE
376901.9	268467.8	398271	405805.4	391549.6	385566.6	277853.8	320900	TRUE
590921.3	440097.1	690526.7	660654.8	501361.3	508549.4	464987.7	481375.6	TRUE
131247.5	134621.1	91018	121946.1	123276.3	141211.9	191325.2	155092.5	TRUE
663814.5	552997.9	591676.7	595738.6	809590.3	679344.1	553488.1	685726.7	TRUE
248607.6	290695.8	277316.9	397622.3	321876.7	300134.7	400054.9	310011.1	TRUE
114239.2	110369.8	117119.1	101182.4	97002.3	106914.3	105964.9	76800.6	TRUE
132470	76859.5	120373.6	127652.8	135554	129588	140640	129927.5	TRUE
11678.1	5389.4	6686	7119.8	15558.8	12666.9	9788.2	9519.9	TRUE
351849.4	282648.2	378548.5	381793.1	335200.4	366204.3	291823.2	363902.2	TRUE
357325	308248.5	364337.7	362103.4	342661.3	426669.5	290686.4	342003.1	TRUE
21775.3	18321	19752.9	16764.8	23097.9	6216.9	22897.6	17752.5	TRUE
35129	34112	41960.7	42638.1	44971.3	41061.4	33980.1	49268.4	TRUE
64572.5	56030.1	44636.3	57943.8	36687.8	62666.4	80632.7	72126.1	TRUE
194361	171158.6	125463.1	192335.1	136774.2	232731.5	233501.2	227130.4	TRUE
1502935	1417229	1907284	1865188	1625261	1814574	1534877	1595625	TRUE
95513.4	79334.8	48637.5	72108.4	106427	88447.7	87976.8	116178.5	TRUE
200364.5	155677.4	154871.8	211805.7	196378.6	194852.5	127613.5	180335.8	TRUE
450114.5	282553.2	203554.7	212353.1	322223.1	323321	261701.3	306722.9	TRUE
247483.6	172461.5	199370.3	313409	279574.1	224896.8	226076.9	293376.4	TRUE
45719.5	30034.5	63962.5	75869.2	61582.5	64387.4	43275.9	49370.8	TRUE
81210.5	68208.1	77702.3	73372.3	84081.5	76301.1	77820.3	85096.9	TRUE
52793.4	44842	65418.7	73703.6	61646	71386.6	42254.8	59251.8	TRUE
64449.7	48904.6	77052.3	101382.8	97594.2	92623.8	53909.9	91049.9	TRUE
79381.7	85562.9	81018.8	100104.8	91130.7	86005.3	112605.6	98198.3	TRUE
104066.9	107247.4	114885.3	131514.4	94400.6	74209.2	100909.3	104257	TRUE
41795.2	29905.6	60710	38872.9	40838	43283.6	31426.4	37795.6	TRUE
57191.4	42779	42903.9	64492.3	52511.6	64593.2	57979.6	61708.1	TRUE
51129.2	74830.3	58434.7	66794.4	46548.1	59130.3	54783.2	60634.7	TRUE
29561.7	26287.8	40282.1	39215.5	34563.7	30938.7	27959.9	25198	TRUE

508512.8	507732.9	436772	634146.9	524166.1	430266.7	557241.5	503597.3	TRUE
187459	227237.5	174977.6	245623.9	168115.9	179766.2	200869.8	180228.1	TRUE
422972.6	463031.3	375117.2	445891	331042.2	403665.9	436353.9	338980.1	TRUE
224426.3	187984.1	198284.8	288123.7	225852.7	214159.5	242022.8	227825.5	TRUE
27464.1	5785.5	22983.1	19410.8	21393.6	16220	25809.5	25423.8	TRUE
27084.2	21941.1	18541.2	11832.4	29011	8738.3	9893.2	32813.2	TRUE
37345.2	38161.8	34177.3	33115.3	37262.4	26017.9	39157	31781.3	TRUE
80603.9	79670.6	91411.8	86713.7	79116.4	77199.4	88182.1	83328.4	TRUE
54832.1	52784.7	67864.9	35374.7	34193.1	83773.6	48568.6	41341.3	TRUE
59089.6	39713.7	48482.5	53547.5	56292.1	45652.8	46145.5	45295.9	TRUE
26337.6	15089.4	11319.3	22237.1	22761	18176.2	20292.8	19742.6	TRUE
36519.9	36128.1	42075	42680.6	35372.8	51561.2	51709.3	54123.6	TRUE
24823.1	29251.8	30812.5	25177.5	19833.8	40482.2	22014.9	27977.9	TRUE
72188.2	44850.3	48057.3	72143.8	89725.3	53684.1	53869.6	56046.9	TRUE
284213.9	208251	187944.7	239333.4	239433.1	226692.1	236098.8	239164.8	TRUE
547264.5	516132.5	542130.9	549688.3	464863.5	549226.1	570439.6	453937.1	TRUE
999911.7	782923.3	1126604	1111510	1099333	1025808	850373.7	1023030	TRUE
16750.8	10258	6378.4	8276.5	8054.4	8511.2	9552.8	8220	TRUE
103270.2	122692.4	133310.2	129501.7	117706	142533.4	125112.4	101182.1	TRUE
60407.1	63798.8	55522.9	67408.4	60371.7	50757.1	63667.3	62711.1	TRUE
157896.9	135891.4	171352.6	170005.5	123545.8	157086.7	158172.1	122690.7	TRUE
152959.7	114816.2	157096	180135.1	168951.2	186816.1	135646.4	182572.4	TRUE
18865.2	14186.3	12462.9	14265.2	14416.3	26485.3	9499.3	26236.4	TRUE
99541.3	117529.7	143027.9	99466.7	125299.5	127124.8	115416.2	114947.4	TRUE
568379.9	562928.5	439345.1	429093.9	455028.6	468039.9	507222	458015.5	TRUE
256245.5	264417.7	176244.7	176838.3	187915.8	188429.4	213011.2	186830.3	TRUE
86012	79180.9	95383.2	101726.4	85581.7	98006.7	99285.3	98488.3	TRUE
329806.6	302455.4	321345	349598.4	322534.7	297981.8	307962.9	325753.9	TRUE
458618.2	460808	423318.9	436628.7	411895.1	404257.5	412571.4	396131.8	TRUE
205954.8	203282.5	168021.2	220707.7	254098.9	336645.2	277755.2	293114.6	TRUE
78636.2	52911.5	48825	51692.8	44615.2	59837.6	46146.3	41924.4	TRUE
118889.5	98325.2	146753.6	113004.7	128204.6	129681.3	116390.9	128195.9	TRUE
536528.3	550508.7	469222.1	465193.6	384005.9	508204.2	536859	406297.4	TRUE
319967.8	279602.9	332246.7	271553.2	162572.1	390361.2	269956.4	178796.8	TRUE
17875.5	16231.1	20454.9	19479.4	20188	6928.1	14228	19237.3	TRUE
7113.9	9741	10264.5	5205.7	7197.8	14920.2	6423	19257	TRUE
58658.6	64677.3	46105.1	47424.6	30459.3	44279	54517.8	34614.9	TRUE
175752.7	155232.6	181066.3	156113.9	135704.9	198826.7	162563.3	136030.9	TRUE
199431.3	148377.2	230136.1	261831.7	253260	196843.5	162319	190708.6	TRUE
524521.3	518553.6	535174.7	425550.4	376929.2	539565.4	508490.7	383003.9	TRUE
36154	46220.6	70145.9	57691.4	41178.7	69636.7	54653.2	44497.4	TRUE
59061.4	58998.4	45814.2	50316.7	71688.8	42268.3	49353.8	49427.9	TRUE
252645.7	154695.8	177519.1	211820.2	296906.1	209341	195606.5	225595.5	TRUE

49316.5	47753	55905.8	27023.4	33411.3	49094.3	42937.4	41167.4	TRUE
57215.6	63937.1	94588.8	38745.9	65377.6	97385.3	69621.8	62056.1	TRUE
144265.9	142850.8	118893.7	129289.4	140047.7	153863.7	135667.4	122428.4	TRUE
77219.5	73083.6	69507.2	61895.6	76210	51739.2	87566.6	73046.1	TRUE
141829.4	131485.1	113589.1	174422.8	125410.3	109057.4	142760.6	131855.7	TRUE
51458.3	59568.3	57272.3	40058	46774.1	50564.1	62637.4	49436.1	TRUE
50649.6	44966.3	32805.9	30425.2	49751	41544.9	39475.7	40947.4	TRUE
70254.3	61371.2	55867.9	78533.8	79886.6	73384.8	93427.3	98064.8	TRUE
74677.8	103951.1	58478.6	61871.6	61510.8	65141.5	84395.8	60988.7	TRUE
155226.5	154514.1	130971.5	165923.7	223445.8	131676.5	136736.8	198610.8	TRUE
47418.3	48877.7	34565.5	50675.6	47848.9	50879.7	56458.7	46972.7	TRUE
36506.8	69274.2	34776.3	46263.9	59340.9	47322.7	32195	56168	TRUE
110577.8	89619.8	59346.4	145153.5	92252.7	81446.8	126674.7	107907.7	TRUE
178681.6	187730.4	129613.9	168157.3	121386.1	299385.3	214896.7	237918.2	TRUE
118818.1	95728.1	83965.4	101980.7	124506.8	114846.4	137881.2	197268.3	TRUE
116886.5	103266.7	88752.6	108783.1	113411.9	106440.4	143648.6	133317	TRUE
219743.4	184369.9	100463	187986.1	178772.2	173807.7	221098.1	253650.7	TRUE
149006.7	121185.5	257694.6	111913.3	95253.9	278644.6	160547.4	103174	TRUE
121107.8	74382.3	101445.7	109810.6	195370.9	105718.6	78037	122590.5	TRUE
75811.8	52298.2	85380.2	80805.9	157919.1	76775.9	74227.7	106461.2	TRUE
50513.4	35748.2	49250.8	46380.4	40260.8	52322	46123.1	44379.6	TRUE
181053.3	181149.6	262060.8	138945.2	125336.6	252804.9	159289.4	132459.3	TRUE
224688	129522.1	219124.4	189068	464679.7	177952.2	128476.2	158098.2	TRUE
22844.8	40294.1	26382.1	17881.7	27911	31885	43144.7	15533.5	TRUE
130761.8	159296.7	115787.7	126567.5	145268.5	127895.9	141596.7	139742.9	TRUE
60286.1	70008.1	70605.1	59339.7	67782.7	52399.8	53442.7	58885.4	TRUE
304412.1	297082.4	322873.9	318117.3	275113.7	313893.8	338307.4	290317.1	TRUE
22431.6	25082.5	18560.9	29709.3	28796.2	23674.6	33023.5	26605.4	TRUE
18465.1	11441.8	11619.1	25992.8	10394.3	17150.1	24685.8	13059.9	TRUE
52657.7	59658.1	71577.8	43138.8	37929.3	50063.4	52604.5	38638.8	TRUE
68942.3	111467.5	118122.4	62935.4	64550.9	127584.3	99822	60725.6	TRUE
164073.5	168459.9	248369.5	152233.8	138778.6	229525.3	198352.1	143070.2	TRUE
163031.9	133466.6	182660.6	198657.5	186308.9	172246.4	144488.3	159445.2	TRUE
27353.9	26194.5	28362.1	8651.6	9360.4	46142.8	32026.6	10645.5	TRUE
47778.8	30989.5	43393.8	78124.3	67663.2	40316.7	24836.7	34070.6	TRUE
137297.7	124767.3	145393.7	129917.1	94880.9	188791.9	145204.8	123252.5	TRUE
22615.6	25701.6	22012.4	11093.8	23748.1	37423.5	28108.3	23251.3	TRUE
62747.3	77794.1	83342.1	93712.7	120259.7	88221.6	54795.2	53407.1	TRUE
87306.3	74268.3	89256	92977.1	62684	152737.8	107516.4	110890.5	TRUE
168596.2	151732.2	168824.1	224412.5	223006.1	189562.6	157976.1	210317.5	TRUE
196379.6	176216	157274.3	193029.7	254977.9	170974.8	145648.6	172845.1	TRUE
377644	302305.5	347571	361328.1	550266.4	339824	275895.6	311034.1	TRUE
154168.9	133555.9	148641.4	147989.6	161564.4	146252	154916.2	184509	TRUE

228605.7	202918.1	223805.9	276536	276331.8	195812.1	165167.5	188339.5	TRUE
114573.1	121217.2	101879.2	114146.3	115031.2	116693.5	123166.7	123786	TRUE
86437.7	81668.9	60283.9	78947.1	94077.5	95752.7	89172.8	82321.4	TRUE
64291.1	49830.4	47280.8	44870.5	55558.1	47115.8	56355.5	71811.1	TRUE
276472.9	278505	189115.8	208299.9	240699.3	316427.2	404887.9	381493.9	TRUE
61038.4	69746.9	48146.9	63578.6	50065	80431.3	59595.1	92747.4	TRUE
89751	57824.6	150280.9	51369.9	51641.2	241650.3	68244.7	62030.2	TRUE
246128.3	132357.1	156179.9	154900.2	579984.6	148407.6	137037.2	164674.7	TRUE
96294.8	68905.2	128850.3	78738.1	69138.3	206383.7	88437.2	91319.5	TRUE
186278.7	131353.8	128794.2	156789.1	324791.3	168481.2	165705.9	192014.2	TRUE
168718.2	170521.6	260784.9	84694.7	108765.3	260103	140650	106485.8	TRUE
308723	252310.4	263284.1	272185.4	564246.7	250405.7	250492.7	270441	TRUE
214286.8	81988	167978.7	142898.9	536886.1	126810	92823.3	115959.1	TRUE
397155.3	276492.7	436261.6	364630	354395.4	376713.3	254071.5	314686.6	TRUE
711495	529532.7	785345.8	772406.3	719159.7	771858	520622.6	748009.2	TRUE
38434	35607.8	41153.9	41485.6	34557.7	43157.3	33035.3	36449.7	TRUE
19313.4	5355.9	9548.1	22291.3	13306.1	9622.7	8284.1	18535.9	TRUE
1245360	978716.8	1265235	1308039	1244413	1354388	1049968	1344845	TRUE
53748.4	58047.7	40605.5	41382.1	31557	34410	46572.8	32358.8	TRUE
3141923	2141394	3200294	3057634	3014896	3130310	2391055	3122090	TRUE
112191.3	138221.7	92981.6	91093.4	85228.3	101502	161984.2	70321.7	TRUE
290465.8	313564.2	340200.4	351076.5	295838.4	363194.8	350939.9	321033.3	TRUE
137963.1	180684.7	158644.5	157284.9	117425.4	193045.8	165250	118634.5	TRUE
399767.2	323992.3	431377.1	448687.1	416774.9	361474.7	302937.7	358959.9	TRUE
202635.1	230857.5	222330.2	155282.4	138850.5	244650.4	242827.6	152339.2	TRUE
293993.5	380784.2	272152.8	281825.2	294666.1	310177.6	300242	264398	TRUE
183137.9	152904.1	233940.7	206339	191111.8	159865.8	174117.3	159147	TRUE
115860.7	145543.3	94366.3	67960.4	91555	83517.5	114984.7	93968	TRUE
185761.8	229912.1	107573.5	169070.6	127122	124759.4	214835.4	144610.9	TRUE
108440.8	124753.7	94173.9	107958	98315	89369.2	135993.7	105244.4	TRUE
189904	177065.3	200896.2	223702.2	141496.9	190117.6	177181.4	203028.7	TRUE
31944.3	32227	21335.1	39382.6	37030.3	37868.7	45042.7	28264	TRUE
170544.6	107487.4	165314.9	178711.6	124158.4	125779.9	159485	154951	TRUE
55238.1	55860.3	42754.9	46892.4	31637.1	44121.5	59077.5	37651.5	TRUE
75728.3	23695.9	62651.9	81284.4	55562.8	80876.8	36931.2	63580.6	TRUE
114382.3	68251.8	111620.2	119800	112379.1	79661.3	103613.6	81083.3	TRUE
17612.6	28339.7	18817.3	12032.5	9986.5	16094.3	26739.3	24731	TRUE
40404.9	36468.3	45370.8	46788.6	25616	59183.7	45836.7	51249.7	TRUE
194831	138960.5	144438.3	137518.6	145130.5	183576.9	185633.8	221894.1	TRUE

1200233	1181049	1095732	1206240	1029474	1135709	1322671	1080922	TRUE
327496.8	265545.8	312313.3	359323.7	288567.1	339664.6	311627	309358	TRUE
868724.1	692635.9	849166.9	1010984	890137.2	868014.8	722560.6	868644.1	TRUE
167791.2	169199.8	156261.7	175061.1	156253.8	181528.9	203423.2	147975.9	TRUE
69155.5	50147.3	86171.4	71493.3	63979.2	57453.8	59531	54287.9	TRUE
206496	195319.4	138554	172490.9	156046.2	221346.1	223814.7	176468.5	TRUE
171604.5	111571.4	171569	174059.5	161605.1	176128.7	144255.8	195227	TRUE
117811.9	114056.1	105634.6	112040.9	87102.1	93671.7	111697.4	76525.3	TRUE
50694.1	50754.8	55465.5	61351.1	50763.3	74123.8	61715.6	44982.1	TRUE
130341.1	91537.7	132936.8	122679.1	160488.7	132551.9	99862.4	150386.2	TRUE
72263.5	64034	58610.3	54006.3	67180.6	93494.7	80030.3	88130.4	TRUE
36590.5	26256.3	29663.8	31584.7	38506.8	35020.5	42819.9	36052.9	TRUE
1188093	682245.5	1194952	1108785	912999.8	1185717	761584.3	936398.1	TRUE
185139.6	157873.4	269265.6	237395	204814.5	259741.7	184521.4	190871.1	TRUE
95643	134341.4	159246.3	140566.4	77027.3	126463	181325.7	137243.6	TRUE
206414.5	162291.2	151833.9	160902.2	161675.5	157100	167775.1	174513.7	TRUE
147893.6	156641.7	129556.2	147797.4	129959.8	106688.7	136643.8	123015.4	TRUE
327848.6	221969.3	290985.5	303113.9	423715.7	266654.9	220986.6	310730.5	TRUE
123969.9	90804.6	133972.5	143034.4	126828.4	178476.8	139618.1	139681.3	TRUE
225373.2	168698.9	165377.4	213764.8	303085.4	208275	182388.4	220355.5	TRUE
117589.6	87875.3	110408.6	138693.2	116386.9	117411.5	125729	135941.6	TRUE
58633	56624	61333.7	57876.2	36888.8	125980	84291	61164	TRUE
74755.8	72631.3	76233	65149.9	94409.1	77004	76661.1	101611.4	TRUE
224289.8	245635.2	330434.5	238644.1	213133.5	349196.1	256063.8	203873.4	TRUE
403836.2	428435.2	576606.5	358413	282129.7	639062.5	495254.6	337097.3	TRUE
327432.4	319862.1	342742.2	361585.5	484753.7	304792.3	291506.1	300964	TRUE
105744.7	105280.5	234387	110776.9	111526.6	252632.1	167180.8	128950.6	TRUE
169062.3	166166.8	260954.7	109842.3	139838.5	248031.4	144855.2	126431	TRUE
53544.6	45057.4	45305.4	45237.1	37198.1	49263.8	44395.3	32189.6	TRUE
86216.6	67297.3	78536.5	107140.9	60309.9	81888.8	69515.9	65880.8	TRUE
78429.8	57949.2	83168.5	62059.1	55028.9	69626.9	69552	52424.8	TRUE
147840.7	152576.6	130550.5	166194.2	151979.4	164611.4	128871.7	130585.2	TRUE
78744.6	69218.6	64205.4	71309.8	76164.3	92869	87299.9	71685.4	TRUE
229614.3	192357.4	130233.2	166685.6	217232.2	222392.4	257543.7	250471.9	TRUE
106113	88646.3	106311.2	112022.7	99556.2	119082.6	86618.2	88383.5	TRUE
130202.7	142372.7	163247.2	113463.2	121666.1	155182.7	131850.5	122430.4	TRUE
105826	78685.2	165457.6	81098.9	86635.7	183081.6	80797.4	95543.6	TRUE
37316.5	34330.1	60021.7	12582.5	37686.9	76791.1	30035.9	30742	TRUE

63206.8	75126.5	49383	41410.8	63013.2	62687.1	54276.1	72177.9	TRUE
299552.5	295396.9	480173.8	278677.9	282930.9	488278.3	291283.2	288997.7	TRUE
118721.2	92440.7	84977.4	101125.8	154461.4	111825.6	116072.8	97539	TRUE
40564.7	50800.1	7080.2	21965.9	36800.2	27621.4	72180.5	38798.7	TRUE
54542.1	82601.6	38007.5	45667.7	58853.7	28471.4	99200.6	57613.4	TRUE
60576.4	87217.5	50778	55779.6	43213.7	51821.3	111820	62234.2	TRUE
157820.6	153711.4	209261.2	276837.4	139392.9	175441.6	152587.8	175779.4	TRUE
61138.1	96830.6	41047.3	54401.8	85985.4	47278.5	97250.2	64708.8	TRUE
253177.9	291960.7	220842.2	223001	187538.5	223940.8	267249.9	185404.6	TRUE
102308.4	143109.4	111746.3	119746.2	92802.5	102374.9	102416.3	69026.5	TRUE
40598.6	51095	43256.5	56202.4	41063.7	45583.6	62341.6	43793.5	TRUE
193875.3	179898.3	173560	210821	225340.6	206155.7	184458.2	256984	TRUE
152299.9	142635.2	149561.8	125085.4	141068.4	143244.7	148738.2	122432.2	TRUE
136877.5	100464.4	101252.2	101447.4	118674.9	141354.3	126840.4	123276.9	TRUE
74407.4	55384.7	64829.4	46618.7	64237.1	57131	66248.2	64870.6	TRUE
235610.6	271289.1	214915.5	257213.1	237569.9	230711.3	246866.2	243987.5	TRUE
83215.7	69066.7	67753.7	63911.4	69356.6	64447.9	66980.2	68356.1	TRUE
114340.2	85660.4	187021.8	76862.6	78024.8	159559.7	98560.2	77625.5	TRUE
88936.2	121490.3	113245.3	87350.1	82028	135471.3	88398.3	83508.7	TRUE
59586.5	56168.6	71769.5	49382.2	52842.5	71228.8	63461.2	62834.5	TRUE
31557.8	28570.5	24269.1	25760	27897.6	35193.4	24816.6	30588.6	TRUE
37458.2	41197.5	29733.3	26725.8	44380.7	43143	39775	35117.4	TRUE
68049.3	55124.2	89435.3	67129.6	45584.3	110308.1	52371.9	55888.9	TRUE
269994.9	242242.6	261072.2	298333.6	252662.8	233931	280451	273060.5	TRUE
134931.4	123041.7	89774.8	134864.9	104568.9	167969	167304.8	138292.6	TRUE
9876.8	9792.9	15842.1	16992	9858.7	33880.7	13201.7	13302.2	TRUE
212439.7	146124.5	186204.5	216212.7	215605.5	206863.6	194319.1	228982.9	TRUE
54160.8	39006.4	52592.2	35283	39668.5	44050.8	52358.1	61425.3	TRUE
58154.3	47109	45856.7	64277.3	72147.3	51174.5	45992.7	44344	TRUE
54175	40333.8	76390.9	47649.7	37410.2	75346.2	59473.3	38721.7	TRUE
10024.5	17482.9	23745.8	14937.2	12966.2	23786.5	22357.8	25903.2	TRUE
88931.2	90399.9	82587.9	85729	115854.4	82048.4	69418.6	49948	TRUE
24419	26962.9	18491.1	24618.1	19907.7	24661.7	24129.6	24211.3	TRUE
142269	133382.5	242373.8	127430.3	113203.1	271622.5	166840.6	137255.6	TRUE
293466.7	218622.5	324249.2	282911.4	484966.7	212885.8	249349	274882.7	TRUE
238253.9	228117.8	200070.3	221834.2	192590.4	198113.1	270246.1	196277.7	TRUE
345700.6	228384	347142.7	465974.9	316871.8	317031.5	291135.7	364848.2	TRUE
149208.9	108264.8	131422.9	182097.7	135288.7	196475.1	179880.8	160279.3	TRUE
327325.5	245151.9	334854.7	389108.8	346817.6	333199.2	283975.5	289607.1	TRUE

147927.5	193018	117011.5	137338.6	169671	134258.7	194261.7	175070	TRUE
191300.8	181132	255786.3	252837.5	159544	199686.1	189258.4	196709.7	TRUE
538302.7	486537.2	599147	550905.9	421604.6	440592.3	501263.1	458981.5	TRUE
64705.9	63526.6	109717.3	82171.7	58797.2	70523	81895.1	70825.1	TRUE
23964.7	25821.7	18079.6	29207.6	48192.7	33377.2	27281.1	31347.6	TRUE
105303	128071.7	87874.4	123280.4	89439.6	104525.1	118815.6	95893.2	TRUE
168171.2	179879.3	114573.7	130896.9	154266.5	189692.4	255864.7	248031.2	TRUE
411770.2	324993.4	365859.4	463387.3	325779.6	385746.1	490680.2	383086.9	TRUE
235037	202735	108063.7	146128.9	223273.4	243512.4	256914.2	270245.7	TRUE
20806.2	42717.5	7942.3	29656	52609.6	15812.3	40309	31954.6	TRUE
29602.2	51685.2	73642.9	64430.8	20465.4	20151.3	48055.7	26955.2	TRUE
312671.3	347598	298619.6	281403.2	281976	265291.6	301748.5	275370.6	TRUE
291020.5	191511.7	290669.9	304000.3	249387.7	237286	205707.3	216885.8	TRUE
42310.6	47330.8	28775.9	38249.2	64558	33022.1	67938.1	67284.3	TRUE
42702.9	61919.3	34750.6	47742.3	49977.8	36822.7	57293.5	50583.6	TRUE
50303	34510.1	47190.4	48310.7	58655.4	46972.2	63527.1	41185.8	TRUE
172836.4	174473.1	151102.5	176516.4	199911.5	147704.4	253781	209169.7	TRUE
153907.7	193755.4	132169	138643.7	153175.2	146192.7	199869.4	175481.4	TRUE
57726.5	58639.4	27561.8	47436.3	44749.4	28711.4	62507	35784.7	TRUE
193299.9	214174.1	159520.2	188646.4	179453	168551.5	227737	197268.4	TRUE
96754.3	87084	94180.3	93118.5	77538.3	109533	92692.7	93390	TRUE
7665.5	6186	9638.1	7276.3	7626.1	9817	8191.4	7022.2	TRUE
24012	12266.1	28541.2	31987.8	20659.1	31493.7	22670.3	21505.8	TRUE
273139	265610.7	280487.5	250391.3	220327	301704.5	326589.8	229667.6	TRUE
70733.4	61496.2	94137.2	80121	66727.9	80114.5	64420	57057.9	TRUE
36997.5	24677.1	36460	37703	33173.8	37187.6	45583.1	30818.8	TRUE
21279.6	21582	21134.4	20359.9	19079	24477.3	11671.7	35411	TRUE
141979.6	136987.5	258796.7	136547.4	93614.8	250125.3	189612.1	105443.6	TRUE
580613.7	438322.5	600382.3	568690.3	875241.5	486928.2	462214	484923.1	TRUE
119249.6	107282	165254.4	94187.9	78187.8	181341.2	117597.7	90313.1	TRUE
330391.8	244889.3	288976.6	327977.2	433181.2	289454.9	255444.8	316509.6	TRUE
173586.9	211429.4	380510	156388.5	175727.3	168011.4	153011.1	155692.7	TRUE
172575	132633	119815.9	103315.7	125366.6	134953.2	111384	117979.7	TRUE
95295.5	99440.7	85012.2	76263.3	106397	107564	79361.9	95845.4	TRUE
185680.9	163121	186283.3	184444.4	180015.7	235510.7	196311.2	205972.7	TRUE
41067.1	39890.4	31339.8	27180.8	30316.9	37302.5	41290.8	37054.8	TRUE
116006.5	124292.5	103906.6	129147.4	104082.6	118165.8	117058.5	107338.1	TRUE
108011.7	57560.8	60070.4	82308.1	79888.2	84383.1	89637	102901.8	TRUE
87580.4	74777.9	58975.7	67431.8	66973.7	85195.4	88929.1	120832.2	TRUE
135534.8	104214.3	119107.7	142960.7	165389.7	150748.5	122225.7	145210.9	TRUE
100517.6	104238.3	104108.6	118331.5	95434.1	84783.6	83565.4	120306.4	TRUE

74849.3	86006.8	47466.4	56659.5	54312.4	62485.2	62051.2	77687.3	TRUE
173847.3	224019.4	215163.7	166826.9	190324.7	177021.1	210670.5	178847.4	TRUE
461981.6	441161.1	451547.1	539757.1	603908.7	464359.2	585042.7	554654.8	TRUE
99491.8	101967.5	72324.4	94360	118856.9	70549.8	92560.6	101438.3	TRUE
90615.4	79135.5	82872	100942.7	105362.7	89813.5	100052.4	97927.7	TRUE
228277	198991.8	178611.5	215999.3	221952.4	199197.9	188819	205632	TRUE
254487.9	285374.5	309370.8	361909	250403.4	447994.9	289672.2	459290.5	TRUE
23163	25204.8	19460.1	29610.8	20510.1	30345.7	27187.2	23048.8	TRUE
166437.9	165742.1	190206.4	212815.9	200195.2	179013.8	212960.8	197245.4	TRUE
214166.9	210831.8	215530.9	246022.4	210771.7	205661.3	235250.7	205928.8	TRUE
13673.1	4562	17841.2	28597.2	6925.9	24193	11891.8	21305.8	TRUE
39771.7	60337.6	46974.1	47860.6	38586.2	60100.9	45871.5	38196.1	TRUE
85579.2	93166.1	108512.8	91206.8	98339.2	117238	122873.1	96026.4	TRUE
111308	81998.6	104277.9	78664	79892.4	104980	88035.1	89068.1	TRUE
67554.8	52004.1	106167.2	66205.5	64667.6	85133.6	77617.2	72003	TRUE
73496.4	58188.6	98097.8	64582.8	55062.7	92921	85047.4	69895.2	TRUE
187862	245608.8	257639.1	208113.9	178270	287470.4	217525	175563.8	TRUE
15071	19801	57348.7	4310.5	5891	60619.2	23125.9	10772.9	TRUE
11226.7	10187.2	6478.3	7531.7	14013.6	18558.3	12489.9	14678.9	TRUE
145974.2	132143.3	136491.7	128305.3	103854.1	156312.7	158088.3	127000.6	TRUE
92533.2	95005	120020.7	65468.9	80840.5	126240.4	111550.4	73559.2	TRUE
17494.1	13664.7	14351.5	11829.6	10166.1	26331.6	30184.1	17534.8	TRUE
30135	26078.1	39265.3	30844.2	41011.8	40996.2	38547.3	42410	TRUE
60828	58370.1	51332.6	67065.1	71257.6	60234.6	67614.1	69720.4	TRUE
272497.3	283726.2	221266	255477.8	255195.1	327322.6	277635	310665.2	TRUE
545327.8	452417.1	433757.6	481810.9	485725.4	562319	555469.7	584104.6	TRUE
24358	11185.3	21998.8	34232	20436.6	40922	12441.1	12193.7	TRUE
52119.7	59618.4	56905.1	64811.3	27016.3	69075.8	78115.7	70049.9	TRUE
251634.5	188175.4	221926.4	248017.8	264039.7	244202.5	224408.6	279704.8	TRUE
174481.3	173097.1	181057.6	189328.9	176055.1	192352.8	187888.7	159820.7	TRUE
177269.1	215817.5	222437.1	197132.9	198707.5	214146.1	204762	264387.2	TRUE
179011.5	215255.6	172773.8	182341.4	125239.6	180228.5	170862.8	124691.5	TRUE
180433.4	194376	169128.7	152302.9	125007	179078.3	156602.6	131028.5	TRUE
142627.5	106420.4	253364.4	99773.8	94770.9	271374.6	144374.4	112969.1	TRUE
241715	206957.4	422818.4	187473.3	119791.4	475803.9	232250.9	140232.6	TRUE
232372.4	235949.1	337523	238821.1	234770.4	362875.3	288104.2	259521.3	TRUE
100315.2	84103.7	175083.3	51849.9	65674	159848.8	85905.9	60236.1	TRUE
29932.3	18368	26017.8	29648.8	47948	28062.8	27819.8	21847.7	TRUE
284452.1	226569.4	319930.1	364723.7	267412.5	331627.4	254868.2	266387.9	TRUE

52057.8	59908.7	76683.2	60609.4	76036	62956.4	39975.4	64710.7	TRUE
83018.3	54726.1	63344.4	81792	77226.9	65636.9	73967.1	80714.3	TRUE
23480	6681.8	19259.4	24012.5	13930.6	19802.9	27609.3	21343.5	TRUE
1894621	1709226	1659873	1759480	1884046	1931446	1852187	2007591	TRUE
31425.4	25773.4	31298.4	29697.2	25396.6	28642.7	19706.2	28256.8	TRUE
157085.1	134524.2	125392	152514.8	140792.3	158472	135865.2	161255.5	TRUE
58527.9	52507.3	42795.2	42928.6	57493.2	41381.4	42460.9	48971.7	TRUE
224136.7	216080.1	249104.3	228195.5	217633.5	204241	240840.9	232968.9	TRUE
34432.4	30521.1	31768.8	43332.9	52861.9	36882.6	31759.1	46427.8	TRUE
88237.1	65068	61495.7	75971.8	96539.5	60973.8	85140.3	108858.6	TRUE
65473.1	71507.4	56927.2	60955.7	53821.8	59686	59157.8	63681.8	TRUE
50520.1	52227.8	52631	48508.7	51826.9	50916.8	63797.6	58611.5	TRUE
49825.8	50656.4	61200.7	58265.6	52123.5	45863.6	57177	55349.5	TRUE
156875.2	169626	158585.9	159242.4	135490.4	161012.3	174916.7	138680.5	TRUE
136100	129010.9	153197.8	134126.1	131491.6	162276.5	146435.6	117580.8	TRUE
98242.9	48832	97950.4	113550.9	68357	106408.6	67977.6	75138	TRUE
153216.1	164355.3	139147.7	142644.7	211408.4	191129.6	165385	199162.8	TRUE
24022.6	33965.2	30639.3	45617.5	36253	51712.4	41159.9	41143.3	TRUE
269407.1	253757.1	174489.3	213662	332080.1	338887.5	238530.7	321284.1	TRUE
129347.9	197015.2	90276.2	134666.1	107910	85506.4	186197.7	74862.3	TRUE
56361.4	86956.1	60242.4	48149.4	50310.5	58903.7	84650.5	54757.8	TRUE
57782.6	85574	37518.6	95490.2	60190.6	67003.4	89216.4	54909.1	TRUE
32926.7	46862.7	35735.3	26403	22822.9	34647.7	49243.7	24037.6	TRUE
608393.7	599514.5	490018.4	575416.1	611557.3	655877.5	608443.7	671681.6	TRUE
19663	27492.3	7590.5	23413.1	41065.9	15948.2	36609.3	41088	TRUE
29837.6	31539.7	7549.2	14073	43372.9	17946.3	29355.4	40279.5	TRUE
75826.6	68040.5	79901.7	82138.9	50189.5	65217.2	58990.9	66885.4	TRUE
86634.2	83303.6	80623.1	79702.1	84403.6	74262.9	103158.2	69201.8	TRUE
67523	65378.4	57319.5	74430.9	63509.8	77740.7	78849.1	75037.1	TRUE
208771.8	161745.7	195387.6	169382.8	158337.3	222676.1	207805.5	163600.8	TRUE
617727.8	439989.2	439366.5	644247.3	684096.2	610450.2	561423.9	629615.5	TRUE
204665.5	162845.1	170261.5	212225.5	220481	229373.4	227969.3	222940.4	TRUE
114208.2	110960.1	94920.9	105172.5	102129.8	105454.2	113080.3	115941.2	TRUE
228403.4	230958.9	226133.3	201267.2	193009.4	214536.4	245876.6	190689.6	TRUE
399486.4	348048.4	424972.4	419872.8	383414.2	369993.6	324924.4	368836.7	TRUE
1831419	1594957	1607081	1763023	1678752	1886027	1654048	1784216	TRUE
22220.6	30708.4	24835.4	26428.3	33097.9	24164.5	23679.1	23858	TRUE

53223.4	50333.6	56504.1	50960.3	50195	64440.6	57429	48913.1	TRUE
414858.6	364354.2	444293.1	457107.7	552793.3	357244.5	425127.9	395199.8	TRUE
400332.7	440387.6	761957	316751.5	282026.4	739038.4	425471.3	274457	TRUE
1331200	876479.2	1440727	1254550	2481509	879575.1	938412.7	968990	TRUE
193121.7	161889.5	365776.4	113346.1	102409.2	341830.6	184698.3	108912.1	TRUE
74804.9	87734.5	111833.3	69169.1	65937.3	143541.3	91465.3	71263.4	TRUE
152002.9	148660.9	203515.6	115507.4	89866.1	341837.7	194965.5	136259.7	TRUE
20640.4	44032.7	38145.6	46963.6	19214.3	24176.7	37980.5	28236.8	TRUE
232108.9	257691.8	289947.4	260014.6	185830.2	233829.3	258744.1	232710.2	TRUE
175000.2	154122.9	204889.2	231146.5	155478.9	149822.2	156397.7	162552	TRUE
131082.1	153266.8	91583.2	114953.8	152690.1	96242.2	134001.1	134380.3	TRUE
58496	57594.4	29079.2	51077.5	39147.6	35859.4	69673	48124.4	TRUE
451452.7	401273.9	439313.3	392120.3	437620.9	507484.2	496899.6	470307.2	TRUE
245805.1	230518.5	256546.5	262716.1	217220.1	247364.4	232485.2	242885.7	TRUE
196892.7	195631.8	212290.2	235553.2	235958.6	180667.4	189081.7	192982.5	TRUE
79921	66622.4	77706.1	89636.4	66727.6	82355.7	52549.9	65486.6	TRUE
36612.3	45376.2	13321.9	39487.8	40540.1	32836.2	41377.5	50703.7	TRUE
37148.7	26469.6	38259.3	24370.7	31936	35541.8	29034.3	30126.9	TRUE
86144.7	79049.2	91879.3	84627.3	94220.5	68722.1	98693.3	106778.2	TRUE
204560	191255	262908.9	226859.7	208588.1	214961.8	191923.6	195159	TRUE
191220	168016.2	195551.4	192863.6	195832.1	187344.4	140775.1	176504.9	TRUE
48733.4	37912.5	47264.3	57744.9	49815.2	50063.3	36848.1	58914.8	TRUE
105961.1	96746.8	98682.4	102020.4	118672.2	114126	92621.3	120693.6	TRUE
42227.9	42803.3	43016.1	59923.1	42146.7	60120.6	50326.5	40591.3	TRUE
460300.2	387056.4	474103	453169.1	460978.9	469314.2	450979.6	462886.2	TRUE
47187.5	48747.8	40437.1	46300.4	36861.9	44823.9	35766.2	43755.7	TRUE
30741.5	40271.4	22678.1	57592.2	33382.1	23700.3	37748.3	25620.8	TRUE
51174.1	72491.4	65167.3	65524.5	78861.1	64932.8	81715.3	60595.7	TRUE
94892.2	122574.1	109576.5	78176.8	65112.3	121007.9	124773.9	107164.8	TRUE
164766.9	167253.4	116293.3	167690.7	197468.2	140098.1	156980.8	208376.1	TRUE
140219.1	175298.5	137740.6	146580.7	115042.1	148897.2	166125.6	177884.7	TRUE
39068.4	51029.6	32475	44952.4	49453.4	32186.5	51345.2	31524.6	TRUE
44472.8	48148.5	48720	57566.7	50919.3	39277.9	65791.4	49986	TRUE
269951.5	189068.6	308487.1	319549	223828.1	243839.7	198589.8	224116.5	TRUE
87657.7	94157.5	99658.6	96909.7	63830.6	108711.1	113835.6	68374.6	TRUE
106518.4	86756.9	137915	148077.7	96838.3	121509.9	97360.6	102185.1	TRUE
759170.4	742154.4	731968.2	547392.8	396227.9	715449.6	666082.3	464430	TRUE
461551.7	285408.6	473337.9	449906.7	454141.5	407165.2	293048.9	407946.4	TRUE
33174.1	30407.2	32044.8	34610.9	33824.9	32577.7	38995	47774.5	TRUE

130426.1	134759	143381.2	128850.8	120734.5	128617.5	136581.9	152504	TRUE
18605.8	27950.6	6526.7	36519.4	39316	29426.4	32682.3	27198.8	TRUE
19963.5	21207.4	18517.4	12034.9	28950.5	15513.2	32768.4	32942	TRUE
62062.5	71937.3	44505.1	59535.5	68844.7	66270	63637.1	72423.4	TRUE
161536.6	122682.8	159280.1	157792.8	147793.5	159252.6	135108.7	181223.6	TRUE
79522.1	128669.4	83936.4	119081.2	98157.7	86522.5	92413.2	106683.1	TRUE
75035.5	70101.9	64856.6	60287.5	75693.1	69745.1	79639	78570.7	TRUE
159703.9	146875.3	152425.5	173291.9	164744.1	160960.8	182176.7	179164.6	TRUE
48824.3	50881.4	45451.5	44354.9	41551.8	43120.8	36229.6	33275.4	TRUE
63386	52090	50943.1	79240.1	60830.6	79033.6	80857.8	97382	TRUE
42319.2	28399.2	17785.1	12250.6	30135.4	16921.5	57977.6	38859.8	TRUE
353312.7	233914.1	608572.8	717992.7	195234.7	260056.5	344714.6	252489.8	TRUE
52739.2	40177.6	87112.4	33582.8	28675.3	112212.3	39031.3	44778.9	TRUE
51190.7	78021.3	20857.2	27479.3	39399.5	22762.6	72779.3	38645.4	TRUE
56034.4	72192.8	51350.8	55964.1	57104.1	63804.4	84442.7	82142.7	TRUE
223376.9	203606.1	220922.9	262751.2	204171.8	195864.6	257756.7	197823.2	TRUE
87247.4	51182.7	84921.6	85225.6	70361.6	68738.9	65873.8	75160.1	TRUE
54144.9	45469	29369.3	51163.4	43673.7	43758.7	68438.2	58957.4	TRUE
113521.7	124578.7	111047.9	108670.5	164678.5	115832.2	114923.7	122873.2	TRUE
319556	232744.7	281576	291988.1	428959.6	311310.4	284593.3	361110.5	TRUE
40811.3	28216.1	64120.5	49085.4	40778.8	59375.5	38666.8	39751.8	TRUE
328803.2	292138	284425.9	273163.3	328620.6	256809.4	242341.3	272015.2	TRUE
52526.8	48451.5	75921	78044.9	48398	84976.4	52226.8	64593.7	TRUE
111527.4	93051	171669.2	99597.1	62691.4	189300.7	134647.4	92620.9	TRUE
47135.9	26059.6	47539.9	48387.9	61198	41266.1	37163.1	47651.1	TRUE
109861.3	85514.9	94725.6	131802.5	125752.6	111671.1	121378.1	131017.7	TRUE
202484	211504	268803.2	230659.8	479342.8	131950.6	176606.7	151995.3	TRUE
228586.1	235019.5	224696.9	246735.1	202238.5	244526.2	255449.3	248352.6	TRUE
139731	150860	158111.1	114557.4	109985.7	152907.8	125436.1	114547.1	TRUE
104892.7	114607.2	172792.2	113395.7	92912.3	169715.2	110676.2	115942.1	TRUE
145335.7	116662.2	165741.5	111104.2	104496.8	169916.9	133509.6	99976.9	TRUE
41856.5	21117.3	46199	27278	34559.9	39582.8	34929.4	20237.5	TRUE
25985.6	12827.2	32987.3	13573	24874.6	23366.9	26856.7	24548.2	TRUE
210748.6	222431.6	192000.9	151456.8	146224.5	174316.1	199372.1	151006.4	TRUE
276532.7	239948.6	297418.8	367113.7	285021	336412.3	310624.9	366929.5	TRUE
102331.4	84782.3	131911.3	101054.9	111785.9	108695.2	80295.8	113289.3	TRUE
70050.1	65096.5	71384.3	49478.6	81596.2	69691.9	82206.8	85869.9	TRUE
142814	194691.2	133860.9	121414.2	111242.2	137116.1	191561.6	132017.9	TRUE
42253.2	54134.9	43858.9	51427.7	40353.1	59128.9	35336.7	38989.7	TRUE
182272	156772.8	148280.4	182967.4	199449.1	181462.4	181901.8	193876.1	TRUE

209585.5	172971	195667.6	725447.6	209128.8	222681.6	217741.3	192294.1	TRUE
42872.7	35505.4	32263.2	31502.7	32143.5	44517.1	40272.8	39851.1	TRUE
400464.6	387991	379784.5	372926.4	458746.4	387455.7	398892.4	438715.1	TRUE
10996.7	14635.2	21433.1	36070.6	4383.6	40749.8	32655.7	33282.9	TRUE
776944.7	611732.4	813067.9	779689.3	836067.4	780481.8	659841.5	745922.3	TRUE
324822.4	332032.8	333436.2	351702	377202.6	311771.1	315711.7	377450.7	TRUE
479235.3	366888.5	440171.1	485859.2	646110.9	438711	414641.3	565893	TRUE
16508307	13277862	14226345	16672491	16247511	15176420	13643688	17295599	TRUE
9213462	7091346	8009034	9790044	10020538	8819299	7747365	9672793	TRUE
1118436	1054962	966961.6	1151289	1140502	966194	1000370	1163487	TRUE
1297117	1132344	1212564	1354567	1345193	1241569	1178762	1324466	TRUE
1024290	885838.2	887675.4	1080925	1061229	956859.6	851985.3	1073509	TRUE
911954.6	826543.3	827969.4	1154689	1035889	769789.5	885012.3	1009439	TRUE
1232838	1178668	1053153	1257866	1228661	1118621	1116952	1255594	TRUE
443504.5	380165.1	405623.7	458617.7	413874.7	407020.4	426649.3	425894.4	TRUE
519867.4	468531.7	478831.4	525395.7	499370.9	495150.3	464999	524980	TRUE
248372.7	243713.7	258700.3	314401.4	273367.9	246457.9	242339	251978.5	TRUE
176247.7	172144.1	150615.6	172507.5	146488.3	164479.7	154554.4	173975.2	TRUE
262459	305562.8	322929.2	255410.1	293799.5	253062.7	225988.1	304106.8	TRUE
28904.4	22512.3	14191.7	37119.5	15585.5	27398.2	8008	38457.3	TRUE
19203.4	18518.7	3836.5	22070.9	14488.1	21161.4	8870.7	29695.7	TRUE
7902	5124	4508.8	5942.6	7504.5	8109.6	9799.2	10501.4	TRUE
137885.3	102434	120336.9	147825.2	163606.3	128649.4	113467.5	148393.9	TRUE
58062.7	60330.1	63602.1	66399	62717.4	56620.4	55581.7	63039.1	TRUE
237103	169459	175707.4	239016.2	201905.2	267322.5	226869	289000.8	TRUE
90464.1	155552.4	106592.8	149274.2	159764.7	98858.3	84315.2	103115.8	TRUE
63142.2	95263.9	82583.8	124372.6	154309.2	39757.2	54513	50862.7	TRUE
90600.7	137976	140249.5	193390.8	215682.9	88083.4	62980.3	61772.2	TRUE
287517.3	772709.2	421675.8	933409.1	1010928	124427.3	76536.9	132741.2	TRUE
302758.1	586615.2	328454	636180.6	658565.3	197766.5	159060.3	207863.3	TRUE
178034.9	131869.1	134782.8	195140.6	171175.7	179987	177189.1	197184.6	TRUE
6765683	6538949	4768324	4904878	5132350	5929796	6089146	6238558	TRUE
4940154	4957205	3181673	3391741	3581614	4027259	4304225	4424583	TRUE
487201.1	468930.3	377655.5	395045.7	397733.5	434790.2	449868	476956	TRUE
78548.4	123271.3	83685	66794.5	110859.2	67880.9	113965	113072.9	TRUE
90287.4	99388.6	91749.2	57841.5	104044.4	81902.8	112670.4	104096.3	TRUE
50835.9	58898.2	46579.8	47863.2	59795	59888.5	50805.2	65624.7	TRUE
53279.4	53503.8	45584	57140.5	51506.6	53855.7	50482.9	55834.7	TRUE
57783.4	45694	45623.1	49373.1	44171.3	57996.2	52948.9	72117.1	TRUE
1577835	1614811	1304688	1287222	1569170	1672374	1635981	1530669	TRUE
462000.9	486041.7	392720.3	438354.8	488310.6	517107	509935.9	503871.1	TRUE
279580.6	334001.2	279093.9	260770.3	298119.2	315844.9	317915.9	299488.4	TRUE
645335.2	935140.4	515709.3	575311.6	757300.9	639824.6	996501	607914.9	TRUE
13890539	14123099	10777913	11742595	13214709	15582320	15116790	16095574	TRUE
15378353	16433154	11882720	13432115	14958906	19200580	17456442	18209369	TRUE
396262	397202.4	359832.5	394926.1	401223.5	487896	417261.2	430059.2	TRUE
1236703	1238996	1014106	1108809	1152142	1333722	1304276	1397640	TRUE

616385.6	647966.4	585057.8	625848.3	599055.8	670250	756568.3	684123.6	TRUE
262990.3	265676.9	238523.9	273842.9	251587.2	321160.9	316180	291931.7	TRUE
6966.5	4747.1	5142.8	9838.2	7136.3	6769	8416.4	7108.7	TRUE
80887.3	60851.8	49867.6	74473.6	75785.2	96354.9	114024.7	98051	TRUE
153863.6	136205.2	114592.5	152096	131567	208474.6	175325.1	199438.5	TRUE
21177.7	24065.4	20661.8	23242.4	25516.5	37991.1	31680.6	28372.4	TRUE
92350.5	80645.5	76547.1	77058.2	68466.8	92760.8	107990.2	104844.2	TRUE
120764.8	96833.4	117995.5	103835.6	106958	146933.2	130460.2	125915.7	TRUE
235600.6	288040	191996.6	207169.4	367468	155558.4	313446.7	173621.4	TRUE
2949798	2145114	2931213	3568767	3618535	3099175	2823026	3476673	TRUE
2037036	2046596	1826779	1904532	1965141	2133407	2169676	2146162	TRUE
7658979	7444384	6173043	6170975	7478033	7885568	7785004	8576581	TRUE
19860.5	24376	23835.2	11870.8	17250	24524.3	15790.7	28626.7	TRUE
154893.2	159045.6	197987.8	181207	119010.3	189431	209092.4	122294	TRUE
235217	217218.4	290447.6	216440.2	149763.9	318289.6	251474.6	163135.1	TRUE
195663.9	201224.9	246493.8	180836.7	140954.1	254855.1	194967.3	154494.6	TRUE
28628.4	4512.8	16350.2	31441.3	21007.9	25141.4	29018.7	20175.9	TRUE
275111.8	279028	223243.8	224057.2	174251.7	259471.6	289720	245517.6	TRUE
221261	254511.1	252707.4	246716.3	238107.8	378694.2	295092.6	235359.6	TRUE
469343.4	481413	480003.5	479637.5	478277.8	736700.8	608309.5	474946.4	TRUE
255203.6	213082.8	253913.1	343743.1	298552.6	258246	280108.4	256200.6	TRUE
1045091	873952.3	1071602	1394916	1207136	1072459	1013851	969720.1	TRUE
47134.1	40825.1	66998.2	55241.3	47883.1	54189.3	51278.7	48979.1	TRUE
35589.5	23852.4	39191.7	41208.9	33886.8	25239.8	30579.5	12260.7	TRUE
16922.2	18039.4	25978.8	8146.7	16455.7	23589.5	18844.8	11133.7	TRUE
57542.6	61096.1	81907.8	111040.7	81478.1	96963.5	84379.8	82627.6	TRUE
719977.6	675070.8	996590.1	639507.7	504724.4	1182432	766833.1	509508.1	TRUE
628161.9	682686	722568.4	598476.1	452832.8	777244.9	739663.6	438558.6	TRUE
3607790	3539518	3953238	3126821	2318725	4090781	3673420	2391258	TRUE
111932	86114.8	118751.9	109429.2	98132.9	135925.5	138826.8	96208.9	TRUE
183512.9	190188.1	176922.9	147573.7	137902.1	155314	167991.4	109792.4	TRUE
164395.4	155779.7	177197.6	149878.5	115748.2	153845.2	187804.1	151629.7	TRUE
893321.8	493088.6	1022622	954750.9	1120795	760948.9	630707.4	739371.5	TRUE
62573.4	29047.4	58786.4	35556.6	47131.9	35114.8	34136.6	44891.1	TRUE
35493.2	87893	32877.7	33586.2	38961.4	40700.7	67665	32820.2	TRUE
45164.8	67123	21935.4	26327.8	23039.3	18531	12783.8	31337.2	TRUE
29066.3	39378.4	33272.3	14045.8	24869.8	18547.1	26730.2	23594.3	TRUE
44418.5	40306.6	60660.7	34341.3	51849.6	52977.9	37058.8	48837.3	TRUE

25068.7	37394.3	36341.2	22350.1	29807.9	30532.9	28786.1	44668.3	TRUE
51093.4	47562.9	35683.2	59511.9	54451	66894	47533.5	54233.6	TRUE
23994	11888.3	21098.3	31474.5	21439.5	22957.3	32463.6	25672.9	TRUE
79208.2	49849.3	84490.3	96743.2	79346.7	165498.3	69443.4	94812.6	TRUE
83312.5	94952.2	75981.7	86434	103150.3	70586.3	72424.1	58420.4	TRUE
28179.3	21989.7	28813.5	28217.1	29292.8	33269.2	28273.3	16546	TRUE
3349967	2986560	3485782	3496180	3018191	3231294	3348607	3187262	TRUE
309367.9	304939.1	261164.5	281197.5	295168.6	285372.5	318329.4	326702.3	TRUE
283880.4	268187.3	221004.7	270995.4	257408	252232.7	240515.7	252190.3	TRUE
189978.9	194591.6	213789.6	175473	312493.2	232419.1	247654.5	212187.3	TRUE
119701.6	146544.9	106968.4	137954.9	124450.8	105256.2	123395.1	146800	TRUE
107558.5	135617	109463.3	139258.3	131698.6	114298.6	127088.2	122052.9	TRUE
995377	915454.4	842056.6	1169700	1117457	877640.1	1022577	1140842	TRUE
82147.1	75084.4	56714.4	70602.5	90656.2	55155.8	66560.8	71798.6	TRUE
105322.4	95566	99217.3	120788	108211	104976.7	118926.9	147264.2	TRUE
119139.9	110129.6	118160.2	176543.5	152103.7	115641.1	133461.1	133396.1	TRUE
99434.6	74101.6	60355.7	106954.9	90877.4	90651.1	89691.3	102267.7	TRUE
50026.2	41647	50388.2	61668	42364.8	44089	44034.4	44910.3	TRUE
37586.1	28873.8	39086.1	31312.6	31642.5	29859.1	35957.6	30961.5	TRUE
41570.3	104744.6	135080.7	94738.7	101375.3	20782.7	8884.1	34812.9	TRUE
200037.2	200199.3	201039.3	211003.2	178292.8	263654.9	234583	218240.7	TRUE
361628.4	304263	375500.3	348958.3	333922.4	397157	357758.7	391650.9	TRUE
40432.7	126497.9	81957.2	140295.6	133148.3	32328.1	10711.4	29173.6	TRUE
760344.4	689080.9	854325.4	631573.9	572221.4	922219.8	684124	614587.9	TRUE
312598.2	269949.4	306423.8	323708.5	299655.5	346387	277887.4	306977	TRUE
440683.7	343405.4	400164.9	449671.1	404884.8	469449.9	337689.5	447114.6	TRUE
517466.2	427413.4	547909.3	622250.4	547304.6	582888.8	435423.9	543709.6	TRUE
200771.3	147600.2	243095.7	276599.1	212989.8	260434.9	211459.8	219162.9	TRUE
130731.3	113713.8	131692.7	143028.3	151185.3	122161.8	112888.4	151244.7	TRUE
763601.9	690325.3	540169.6	646378.7	876528.1	772187.2	721938	811822.9	TRUE
1209745	1136502	1001826	949758.1	1312778	1244426	1164863	1247284	TRUE
20065.4	26930.4	21293.9	28691.6	37109.8	25173.7	15738.9	26430.2	TRUE
43031.9	65397.2	37082.9	66090	31221.5	38902.5	50279.1	41354.6	TRUE
74618.2	93327.1	58288.1	76291.5	94604.1	68954.5	81118.2	70120.5	TRUE
104813.5	148605.6	84676.7	108211	147389.3	73654.7	153022.8	166756.1	TRUE
143460.5	152158.6	76649.8	118699.8	152792.7	85585.8	143151	155725.9	TRUE
807088.6	957955.2	483295.2	781235.8	915594.2	510043.3	1062921	947210.8	TRUE
1732807	1832997	891609.9	1345167	2010344	975088.1	2135083	1960366	TRUE
102489.4	136619.8	84093.2	135997.2	141406.8	89085.3	75631	104736.1	TRUE
59790.6	112373.9	46515.1	71015.6	99395.3	37057.6	16795.5	29627.1	TRUE

197279.9	202238.1	123695	154030.8	179392.2	120416.1	205574.6	209712.1	TRUE
218437.4	195342.4	123048.9	185081.7	246567.4	140642.9	249058.4	267222.4	TRUE
459100.8	486101.2	591755.8	549768.5	391773.2	427539	540364.7	462345.5	TRUE
38130.7	29237	44500.2	54919	27752.3	43331.3	36258.2	32771.9	TRUE
1372979	1694825	848176.8	1207940	1561764	875174.2	1713114	1514954	TRUE
42041.5	64241.2	30089.1	51624.5	79662.7	20803.8	32626.6	27523	TRUE
498732.8	476521	484617.8	555444.1	445830.6	489559.5	509607.8	453193.6	TRUE
481903.4	357641.4	488886.4	539497.4	382290.6	502992.4	437139.3	405755.8	TRUE
418512.6	346670.3	388803	472257.6	349458.8	437885.4	377869	312585.8	TRUE
711241.5	586029.7	589267.2	617348.3	749877.1	743923.8	594762.7	800370.4	TRUE
739483.4	563520.6	681834.7	622094.4	805352.6	834734.4	643854.8	837470.9	TRUE
206492.7	190919.5	263965.8	237782.4	182917.6	258827.4	208218.6	192143.6	TRUE
414078.7	767933.3	545483.2	438049.6	325997.1	487064.4	418644.8	309418.9	TRUE
177439.9	170153.8	196346.7	202767	176617.7	189615.6	172905.1	187039.8	TRUE
1142288	853910.8	1031133	1067216	1215049	1180060	890459.8	1154557	TRUE
523360.4	385295.2	541132.7	484929.7	601844.9	582565.6	420538.1	562906.3	TRUE
779156.8	724050.6	768266	752893.8	789466.6	767604	670881.9	695594.5	TRUE
312898.5	258540.6	291926.2	269646.8	365842.9	318957.9	289902.6	314489.9	TRUE
119165.5	142891.1	139885.3	137050.5	165981.7	117714.1	118580.9	125146.3	TRUE
2180131	1733648	2113500	2073111	1997943	2410479	1871976	2508087	TRUE
444698.8	455105.3	572598.8	453290.7	334452.8	546970.4	442044.1	358329	TRUE
111375.9	127947.4	130222.8	145325.8	118536.2	126729.3	143529.6	89039.4	TRUE
295849.4	248864.3	268185	270266.8	320236	314043.7	242456.3	325834.8	TRUE
87081.2	83431.6	94121.7	113814.5	88292.6	111666.1	109301.6	93266.6	TRUE
38827.6	73079.9	69818.4	103052.8	91196.4	30380.5	17531	32350	TRUE
702395.3	587763.2	667393.6	818677.1	718329.4	633931.9	644430.7	737477.9	TRUE
409474.2	477961.9	416582.7	380185.4	444639.6	518450.3	461382.3	475621.7	TRUE
116701.9	80197.9	111444.6	131411.7	109736.3	119732	106134.5	117017.3	TRUE
48885.7	47211.2	36215.7	106596.1	34903.3	45657.3	32327.2	35734.4	TRUE
23361.9	7480.9	19567.3	7237.1	23539.7	8338.9	8091	14390.5	TRUE
29079.4	10408.6	31122.5	12783.4	20799.8	23720.4	38226.2	28955.8	TRUE
93020.4	43973.3	68577.5	63775.5	59203.1	68771.8	51575.6	84256.2	TRUE
42835.5	10506.3	35435.8	26625.5	25005.4	38212	26140.6	34266.8	TRUE
50648.3	88908.2	68247.1	82974.4	75659.3	67339.9	57143.1	56539.5	TRUE
923069.1	837304.3	755125.7	1073440	1149489	777862.2	903859.9	1206936	TRUE
93429	82428.4	96203.2	85763.1	81842.6	90173.8	97370.2	101937.8	TRUE
2744082	2912845	2043917	2380513	2112641	3092705	3091683	3080274	TRUE
249552	155784.6	211838	225506.3	229444.2	217367.5	190510.6	205399.7	TRUE
339627.3	285522.8	296514.7	334269.5	330263.9	307651.4	318474.6	331169.9	TRUE
85416.7	60410.8	90675.3	81232.7	94760.4	93900.6	72090.4	79921	TRUE
702187.2	625301.6	573716.9	604011.5	666424.9	837659.6	643665.7	671051.7	TRUE
2414206	2389029	2044842	1874966	2293328	2810159	2445329	2539883	TRUE
122305.5	126596.7	140566.2	129194.3	118090	152668.3	124271.3	105181.2	TRUE
33819.1	36034.5	56109.2	7315.7	33543.1	57007.5	43691.3	21582	TRUE
46967.3	60959.2	83984.1	26480.2	34964.6	78096.8	61854.8	35797.6	TRUE
41704.8	56899.1	66565.4	37364.9	35154.5	57521	60599.1	36111.9	TRUE
48018.4	25166.7	57460.6	52207.6	62959.2	21263.9	74123	37236.3	TRUE

684229.3	658106	941818.5	493949.4	416307.4	981419.8	618909.4	404380.8	TRUE
176447	190687.5	280643.2	156780.2	188262.9	291851.8	231229.9	163607.3	TRUE
127431.9	95676.8	139890.7	86280.2	88949.9	157259.7	127787.6	87782.3	TRUE
535953.2	326920.1	517442.6	544001.1	826638.7	371031.8	359828.5	398178.7	TRUE
624104.7	555235	668906.4	702710.2	924524	538255.6	584965.6	637216.4	TRUE
117721.2	113235.4	166662.6	69518.4	77335.4	181511.7	106010.2	85395.8	TRUE
41522	36545.7	63585.1	26556.9	20574.6	63152.5	45752.7	24184.2	TRUE
647317.4	692555.1	1120504	392719.4	409846.7	1174135	647397.7	475959.4	TRUE
229787.2	264171.9	322171.1	131427.1	155206.1	338514.8	248794.8	158227.1	TRUE
152150	186074.6	332007.7	185651.2	166712.1	346691.3	227890.6	180285.2	TRUE
69616.8	76396.6	126562.5	52662.4	66125.2	123139.8	104046.3	74794.9	TRUE
43826.6	20461.8	31550.4	39400.8	24580.9	49147.4	28799.8	57904.7	TRUE
92597.7	71915.4	92563.6	97624.2	80690.7	114434.9	109925.5	106245.3	TRUE
42107.9	35248.2	27948.9	34857.3	32983.4	35468.5	45738.4	38412.2	TRUE
31245.2	62087.9	57716.4	59589.8	49728	51508.3	40298.8	37137.1	TRUE
43822.3	30895.5	46143.1	43623.5	54451.7	39644.5	57739.7	64030	TRUE
112617.2	106861.2	110523.7	116720.1	120965.3	115122.7	121554.6	115556.7	TRUE
1281599	1045826	1293161	1285507	1193407	1318858	1044873	1194718	TRUE
240812.6	260115.1	266569.9	239583.4	286510.9	234547.9	243057	227840.7	TRUE
404734.2	338397.5	332534.3	355445.3	337946	372205.1	391335.3	358229.9	TRUE
27375.1	28876.4	16628.3	28907.3	26575	26775	13216.4	32115.9	TRUE
51915.6	60732.1	61886.2	52652.9	48836.9	59796.7	64084	65924.2	TRUE
51383.3	55018.7	44619.2	41301.1	43247.7	25396.9	58258.2	57802.9	TRUE
959230.9	906718.4	1017886	963750.9	1212300	1007345	897410.6	1208404	TRUE
235524.2	257069.4	250113.3	247972.1	284187.4	248395.9	301845.2	206462.7	TRUE
121092.7	106654.5	120082.6	119204.4	110055.9	120582	124937.1	149975.6	TRUE
32872.2	21192.5	25281.1	34744	41677	38487.3	40569.3	38766.4	TRUE
55849.4	56719.7	62314.9	55432	43337	64631	64382.4	50673.6	TRUE
61283.9	57496.8	50633.1	54205.7	54243.5	97684.8	106680.8	84276.3	TRUE
39295.5	46031.6	30035.2	28838.1	42627.2	38136.9	47533	42649.2	TRUE
22685.1	6954.9	14013.1	15766.2	8356.3	12884.4	23749.1	29291.2	TRUE
21933.9	15821.7	8011.9	13208.7	25276.4	34792.7	30751.5	38329.3	TRUE
173373.6	174726	188685.7	273330.1	266628.4	229951.3	249532.6	255827.6	TRUE
50214.9	63106.1	57696.8	57980.4	67205	45288	41289.6	29249.2	TRUE
461557	520520.6	454435.5	511411.9	512589.1	431561.4	516285	499938.6	TRUE
419789	487936.2	401974.8	432633.5	422655.2	401443.2	537295.6	401680.3	TRUE
23731	20646.2	23328.3	23414	23063.6	11066.7	19636.1	11875	TRUE
31927.7	48424.9	31486.1	36847.3	46671.2	34177.7	48252.9	33148.1	TRUE
174664.6	142722.8	161692.8	177472	180858.3	191540.6	176137	195853.7	TRUE
145864	128912.3	91057.6	92200	85177.8	83938.2	90916.6	98065.5	TRUE
229331.9	216256.5	217788.2	256740.9	263411.1	235297.9	233680.2	221999.9	TRUE
218726.4	202289.4	215899.2	238612.5	198084	182723.9	214555.9	189038.5	TRUE
395850.6	400379.7	374461	427922.1	357473.5	376216.1	404597.4	368217.2	TRUE

169225.4	165320.1	199483.9	228429.6	184417.5	229254.6	203668.4	215425.8	TRUE
362940.5	360032.6	357547.2	454969	343906.6	397373.8	358873.3	374595.1	TRUE
156676.3	135648.2	137238.6	122634.9	141642	128016	136570.7	160335.3	TRUE
149251.4	142000	176431	196639.8	156684.7	194837.4	173318.8	146061.3	TRUE
112596.8	64670.4	105566.8	78997.9	87185.1	104772.8	99083	98622.7	TRUE
154972	135465.1	160757.3	165633.5	147503.7	171581.4	157394.3	151595.7	TRUE
218230.6	167936.4	239368.8	218786.2	245425.9	199847.1	200839.6	219386	TRUE
42018	30650.8	44026.7	49731.4	31428.3	28263.3	42920.6	36650	TRUE
486419.9	443861.3	384003.9	469379.1	432211.3	396769.5	471201.3	475613.9	TRUE
211541.1	204318.4	246189.7	221981.1	230446.8	269565.5	211146.2	224560.7	TRUE
43059.6	77611.5	59621.9	73439.9	62526.1	25436.2	38230.2	33918.9	TRUE
355212.2	252616.1	274294.8	261428.7	293092.1	352741.8	299255.8	355214.3	TRUE
91359.6	94209.4	101745.8	108444.3	88351.9	102231.5	118872.3	91138.8	TRUE
6980182	5571042	5413703	6692495	6951345	5791270	6407979	7292512	TRUE
124787.2	203517.3	113596.8	173664.5	170185.5	103728.6	74676.8	114115.7	TRUE
231910.3	209443.5	193894.4	234567.8	245330.9	198433.4	226463.5	254098.6	TRUE
78802.5	63538.3	63218.1	95031.5	91114.1	42999.4	72687.2	78144.6	TRUE
78337.7	78476.9	67694.6	107020.4	91333.4	72111.4	71804.8	81892	TRUE
460479.5	426038.3	382034.6	501294.7	512434.3	467618.6	479422.3	485308.6	TRUE
50700.3	79771.1	61105.8	94389.2	61087.9	51567	56190.3	51471.8	TRUE
953320.3	916802.6	852718.7	1071458	1144067	901851.6	1034501	1127450	TRUE
198126.3	154249.9	238644	235970.1	218215.5	243032.3	228392.2	203607.9	TRUE
303527.6	309972.4	283855.5	366955.5	309046.3	325953.4	380128	321206.3	TRUE
361552.7	370628.8	360198	361766.1	321483.5	352013.9	309915.6	402963	TRUE
337772.8	316671.2	413008.4	424437.6	311427.2	412527	313681.9	433297.2	TRUE
3192156	2322112	3442982	3129515	2881086	3645108	2607572	3669108	TRUE
118447	78962.1	97423.5	150676.2	95194	74793.4	57778.8	62838.1	TRUE
21659.9	30045.8	20908.9	25143.7	17671.2	17960.7	8980.3	9057.8	TRUE
25554.2	21717.3	27091.8	44728.9	25491.7	40238.6	25601.8	32717.5	TRUE
31972.6	23549.8	32402.2	24733.6	33772.6	26019.1	37066.8	32599.8	TRUE
151558.4	151596.1	135804.3	154785.8	125454.1	153444.5	151689.2	137043.8	TRUE
67098.2	54897	47137.7	65257.2	47247.5	78448.6	71434.8	71929	TRUE
121648.3	121639.7	111424.4	112039.8	117256	154305.5	139809.8	125795.5	TRUE
22853.8	27327.1	22280.7	30267.9	42632.1	31946.8	37072.8	30567.3	TRUE
125632.9	116328.7	118725.3	176318.8	139939.8	153536.9	145761.7	145652.3	TRUE
261969.1	243892.1	250628.6	279776.8	235453.8	249442	254980.8	231919.2	TRUE
71694.2	54191.5	88100.9	115748.9	75702	66135.3	86734.2	65675	TRUE
226602.6	188306.5	215394.5	292479.7	228474.8	254139.1	216389.3	182417.2	TRUE
611099	534398.5	589891.2	572747.7	553991.7	557464.8	513608.7	547813.9	TRUE
184991.9	170430.4	150858.9	167324.4	180663.8	179692	146466.9	161864	TRUE
53946.9	42444.9	41685.7	32366.8	50704	45393.7	49082.1	35864.5	TRUE
137323.8	129282.8	144721.3	130820.9	122130.4	146328.6	161570.5	143688.5	TRUE

71117.4	69799.9	104976	45784.3	65775.8	72030.9	79953.5	84145.4	TRUE
88190.1	85159.3	64308.6	68430.6	84178.1	78925.9	93753.5	89588.7	TRUE
145270.3	149425	124962.9	185133.9	149783.7	118568.8	139643.5	123358.1	TRUE
66234.1	128239.4	272809.5	84013.5	60114.8	81093.1	69389.1	84012.2	TRUE
82289.9	174851.1	400595.2	101779.6	93011.8	84917.9	95645.4	96791.1	TRUE
68406.1	137091	294777.2	91581.9	121035.8	82724.7	58093.7	85954.1	TRUE
247323.5	284338.6	298654.5	303503.8	281369.8	221540.6	259287.5	253440.3	TRUE
42761.1	57543.8	59201.3	48736.9	45126.7	36158.2	48527.2	40017	TRUE
47164.9	45088.8	42416.2	48054	54675.3	52758.3	50273.9	66354.5	TRUE
135455.2	108334.6	87744.9	148083.1	116062.3	137312.5	152423.3	152694.9	TRUE
331239.1	318524.2	255229.1	301001.9	299240.3	339042.2	376155	358655.6	TRUE
1395519	1199088	845231.9	980915.9	1014478	944840.4	963836.3	1064052	TRUE
767147.2	649403.6	665807.7	675922.2	716357.2	753124.3	702949	733208.1	TRUE
25820.6	33378.6	37679.4	29903.7	63080.5	27783.2	26350	44323.6	TRUE
86247.5	83622	72295.9	73627.1	59160.6	40720.6	88648.7	45859.6	TRUE
112889.5	119293.7	99100.8	98440.3	109261.6	81651.3	123038.3	77338.1	TRUE
477340.6	684124.5	489114.2	495326.6	492814.3	327488.9	665372.9	361100.6	TRUE
62478.8	64875.5	44341.2	42254.5	47995.6	68338.9	69843.5	57879.1	TRUE
79169.6	65106.8	131939.9	78989.6	67262.9	82653.6	96629.9	92167.3	TRUE
35284.9	39032.5	32378.5	31877	25094.1	44682.2	44055	35502.1	TRUE
153972.5	160373.6	115346.9	140077.4	108021.4	179400.9	197272.3	148058.9	TRUE
137047.8	105380.5	140437.4	156513.2	127315.7	171644.6	145530.1	191289.6	TRUE
38961.4	29530.9	25287.7	35434.1	23552.3	49974.8	42693.4	46490.1	TRUE
129029.5	122923.6	93492.4	145120.8	135850.7	119076	124310.6	105743.8	TRUE
151995.7	115651.3	126802.9	193252.6	158287.8	141475	144734.4	193387.8	TRUE
219561.4	183244.5	217841.3	254840.8	200094.3	217618.8	229274	219130.2	TRUE
230415	184780.2	284784.3	254750.1	231078.2	193207.9	198885.9	206192.8	TRUE
471279.8	465861.6	573664.5	592924.8	503674.6	466344.5	490826.5	475755.6	TRUE
311322.3	269749.7	331666.6	296562.6	328216	330743	310437.4	299894.3	TRUE
156996.3	161713.1	130523.2	137916.4	126058.3	120860.9	128807.5	144760.1	TRUE
207286.2	200315.8	196003.1	221270.6	218280.2	194985.4	213044.5	216080.8	TRUE
628580.4	563400.4	687885.2	759820.7	720401.3	758871.5	663311.5	752487.9	TRUE
37753.3	31575.3	41523.4	42386.8	40139.8	38877.9	28108	40577.8	TRUE
315688.1	295141	352404.1	211238.8	359793.3	370453.5	311636.3	380617	TRUE
32248	37854.4	32694	44313.5	55269.3	41064	43043.8	46093.8	TRUE
910525.6	781888.6	709068	857020.4	897956	1077023	1042424	1197601	TRUE
13159.7	14145.2	8267	7844	8036	18529.3	8925.3	6341.2	TRUE
6349.1	8621	12965.1	7000.3	7081.2	6324.9	7689.6	8390.8	TRUE
90991.3	83437.6	72487.7	81732.6	100184.4	87412.5	111056.4	98820.5	TRUE
25162.1	30159.5	40391.6	24422.9	31584.3	41416.1	13746.8	37027	TRUE
67277.4	65524.4	53958.1	65522.2	58281.1	82916.5	75501.6	73761.9	TRUE
52392.3	47999	51394.6	51717.4	48486	54141.7	56357.6	45644.5	TRUE
56655.6	40228.1	41535.7	42169	46916.6	30877.7	51763.7	36178.6	TRUE
60774.6	58687.6	39345.3	59212.8	41862.3	76466.5	54716.1	51680.8	TRUE

57778.9	58141.3	51661	54783.6	46527.7	48998.7	68296.3	51406.1	TRUE
55322	66517.4	125163.8	89450.4	60372.6	80545.8	57815.8	71593.8	TRUE
290220.4	236118.6	199237.9	226172.7	358235	320109.8	310961.8	300236.8	TRUE
70339.2	51105.4	51203.2	79101.1	59778.7	69979.9	72140.5	78943.7	TRUE
196515.2	155120.2	114584.2	189016.3	173299.3	195158	203539.9	213771.9	TRUE
211692.8	134983.2	162450.4	157706.1	204503.7	185177.2	166059	182560	TRUE
37313.6	21947	27216.5	26686.4	29503	32210.9	22623.3	31862	TRUE
65382.1	55909.2	68521.2	72849.4	43753.6	51592.7	57053.8	63366.7	TRUE
70286.2	84423.4	58480.6	86641	78534.1	61542.7	91448.3	76669.6	TRUE
43558.8	38540.2	6597	52415	35544.1	26407.3	37212.1	45563.9	TRUE
235751.8	243970.1	237603.7	241527	207186.5	268809.1	270803.7	257790.6	TRUE
121669	126018.3	143840	151147.2	91916.2	106898.6	151185.5	139349.5	TRUE
284617.7	241449.9	205399.7	267568	286091.2	275411.7	310221.4	318990.8	TRUE
203251.4	206564.7	192161.2	224681.1	178039.2	207073.8	219853.8	226128.2	TRUE
68959.8	85638	55758.8	70172.8	58484	65511	59232.6	49297.6	TRUE
136164.6	203963.1	283607.6	284751	264383.3	326752.2	271777.5	239166.4	TRUE
63302.6	63203	79278.6	72377.9	86526.7	115962.9	72707.4	117463.2	TRUE
112971.2	99707.3	102471.4	110951.4	133477	154561.4	145985.7	123298.2	TRUE
776017.8	793088.1	614518.9	882267.1	904789.2	839260.6	1123818	699535.9	TRUE
80121.4	93225.4	67271.2	66446.3	108913.4	54047.3	107689.3	72612.1	TRUE
261777.1	355159.7	252844.4	288698.8	306822.1	253423.3	279589.7	312089.3	TRUE
82911.6	110894.2	138702.4	72576.4	74355.6	90459.3	99121.7	92423.6	TRUE
19441.3	28036.7	17665.3	30989.6	41541.5	5137.9	9415	36845.8	TRUE
60657.8	59832.5	53821.2	66995.7	71080.9	48879	51331.4	83394.6	TRUE
7306.3	4120.4	5853.4	6492.1	6071.3	6181.6	6349.4	4093.2	TRUE
1885873	1848019	1487398	1920112	1388221	1791983	1955026	2854304	TRUE
566163.8	402109.4	349568.7	478877.5	527967.7	528383.7	559993.5	571942.4	TRUE
135070.1	109450.6	87578.2	143818.5	119157.5	145222.3	132651.1	138809.8	TRUE
35288	7405.8	14980.9	15139.7	22744.1	10589.2	34957.4	30121.9	TRUE
70681.8	60930.3	51714.2	56965.5	66094.5	58479.6	68710.4	84188.7	TRUE
35755	35870.6	19154	42372.6	32114.3	30169.2	37748.7	25413.4	TRUE
69061.7	71269.3	67181	93831.4	62791.7	62470.7	75517.5	65809.6	TRUE
56613.8	55121.1	54941.3	48722.9	44836	51543.2	57402.4	48995.6	TRUE
56618.4	83168.6	43551.7	66459.8	56223.9	50225	67938.3	76905.5	TRUE
43262	71952.2	39179	41163.6	62535.2	40969.5	49549.6	59550	TRUE
41197.1	31784.8	41789	36594.5	29519.3	46671.9	46314.5	32863.1	TRUE
171641.7	124153.1	128009	122373.6	121176.6	118133.9	162399.4	159005.3	TRUE
65933.8	41277	39821.4	46701.3	71518.5	47355.3	57286.5	62076.9	TRUE
10938.5	15599.9	37343.5	41207.3	34380.5	34126.7	31363.8	31752.5	TRUE
5526.2	6564.1	9423.4	6520.9	21946.2	7462.1	10427.9	6896.4	TRUE

77071.8	54217	82719.9	58351.7	56989.9	74228.8	65971.4	63609.1	TRUE
67442.4	63708.9	72123	62788.9	49738.5	93917	67043.5	66938.9	TRUE
29381.5	26624.6	15406	28309.2	18091.3	15666.2	23740.7	26490.3	TRUE
19904	15221.1	27370.1	23683	19164.9	37206.7	22971.7	29880.3	TRUE
425402.1	394715	317276.2	429414.4	361689.4	368520.3	392739.3	375184.6	TRUE
539541.2	600923.4	626595.6	650171.1	564033.5	511216	488414.9	485495.4	TRUE
44379.8	112333.7	54447.9	109072.4	80999	22489.2	36036.6	29288.6	TRUE
123856.8	238743.8	144692.2	313313.2	249513.5	88109	54939.8	99242.7	TRUE
70594.2	105451.1	96282.2	145146	129214.9	49713.5	45926.5	53607.7	TRUE
854823.9	650960.9	845759.1	879222.1	856681	778378	662267.3	815710.1	TRUE
1215830	959868.3	1186644	1398898	1206418	1275494	1029216	1305339	TRUE
830442.8	776223.5	630111	647779.8	839376	903710	717405.7	909605	TRUE
128026.8	209771.8	156248	185618.5	257728.1	107022.2	124224.5	110214.5	TRUE
509525.6	425537.5	420027.6	424013.7	512197.2	589593.1	479715.5	536193.9	TRUE
286689.6	240419.5	294623.5	329506.8	305723.3	290620.5	256310.8	376271.9	TRUE
29168.8	32167.4	37884.7	34274.2	35440.8	39208.5	34962.4	45232.3	TRUE
45579	34687.8	35659.5	39019.4	65210.2	38412.8	44704.4	42858	TRUE
86520.1	62368.5	40336.8	64503.8	46666.5	38604.1	62919.4	42140.9	TRUE
45293.5	43365.7	51366.9	33938.6	41358.2	40366	49587.7	27801.1	TRUE
53954.9	44500.1	51644.8	48087.8	43579	49008.1	35609.6	48440.3	TRUE
138987.4	148450.1	208184.5	153712.2	149456.6	134888.3	164463.2	134262.7	TRUE
63840.6	90323.8	48380.8	48949.4	55231.2	53759.2	69142.1	52502	TRUE
180404.4	210274.3	161808.2	198507.3	158659.5	180176.5	225361.2	150732.8	TRUE
345874.8	310898.4	353090.5	312005.5	253081.9	339982.4	325409.1	323761	TRUE
31988	27875.7	31973.3	20883.1	30120	27013.9	27019.5	24224.5	TRUE
37746.8	37395.6	30020.2	41211.6	28407.7	36165.7	37497.3	24030.1	TRUE
141002.9	115394.2	115347.4	118818.2	79499.2	125108.1	96827.2	72347.6	TRUE
141134.2	150464.1	171862.3	146382	164687	160103.8	152098.3	137098.9	TRUE
1105656	755877.3	1147545	1188665	1215426	1277474	868059.3	1301347	TRUE
306196	337698.5	334833	421818.3	474282	296052.6	361604	406697.1	TRUE
529219.5	496199.8	529752.1	588622.4	653393	526885.7	592305.2	625973.3	TRUE
131941.9	168711.1	128811.4	156390.9	142474.4	111565.9	174010.8	121688.8	TRUE
149870.4	107130.7	108479.6	125101.3	111105.9	131199.8	133084.6	138853.6	TRUE
100433.5	77733.7	74121.7	85387.7	66832.6	71595.1	82022.5	70198.2	TRUE
55748.8	60081.9	46637.6	61773.2	71485.5	90997.3	81138.2	115309.4	TRUE
134050.7	246595.3	796227.1	103678.5	134609.7	123336.9	130681.1	113419.3	TRUE
50898.6	50443.2	61116.3	58176.8	47487.1	52578.2	58331	45734.6	TRUE
170470.5	147272.2	145302.6	172275.5	123395.4	158584.3	193829.8	163621.4	TRUE
174815.5	153227.9	120538.1	200419.5	147290.5	154809.2	192080.4	181890.6	TRUE
79522	100463.4	70500.6	114264.9	113117.2	62403.3	124288.3	126191.3	TRUE
81273.7	100307	64038.7	97860	113892.6	53617	97106.2	104562.2	TRUE
42308.3	41788	72163.2	60303.6	48304.5	38784.9	31159.9	35844.5	TRUE
123039.1	104700.8	128944.7	135185.9	93341.3	119157.4	112237.5	108891.1	TRUE

246835.5	239299.3	211252	272479	250220.1	203586.3	298341.8	299385.9	TRUE
35436.3	60067.9	58812.3	47567.4	42533.1	29476	28381.7	26345.5	TRUE
113409.5	105998.8	127225.4	108858	100168.2	98358.6	79367.6	97081.8	TRUE
1463227	1225892	1561392	1599328	1208357	1404720	1200611	1400071	TRUE
129347	144075.2	106911.9	115728	101034.9	113645.7	136828.1	113912.3	TRUE
163990.2	151392.8	125808.3	115310.5	147232.2	134305	141086.9	167363.7	TRUE
499383.5	554962.2	426412.8	492902	501538.7	395776.9	559069.6	506171.4	TRUE
51258.1	60982.7	84627.8	91256.6	68316.9	70642.2	72012.9	88436.4	TRUE
260989.9	206938.5	235573.1	296091.1	182886.2	269212.4	285595.1	281908.5	TRUE
39433.6	35885.7	63689.2	23599	46246.5	19767.3	40682.6	37184.7	TRUE
31148.8	46003.5	20675.7	22344.7	25017.6	20912.8	35078.9	29297.7	TRUE
115335.8	100587.6	102874.7	127074	109151.7	100019.8	119494.6	121416.7	TRUE
324622.4	374702.2	326015.1	311322	304238	336018.9	392616.7	302738.5	TRUE
75075.6	56741.5	100310.2	53464.9	87757.3	82188.3	85561.3	92135.2	TRUE
232420.3	190115.9	211694	233062.8	214052.3	228389.9	225917.9	205580.6	TRUE
3615366	3267739	2691733	2859197	2822906	2937953	3158605	3285881	TRUE
156455.9	132154.5	119964.7	140441.3	141748	175422.4	164166.2	189402.8	TRUE
160729.6	133349.6	136584.7	190528.4	161678.9	170894.7	154175	214596.4	TRUE
254933.1	204051.9	215028.1	227248	251564.8	272937.7	252100.7	272627.2	TRUE
83950.5	67078.1	80648.1	91009.1	91464.5	90465.6	82121.2	93222.7	TRUE
289124.7	223697.6	345096.7	368245.6	204356.7	331107.6	216652.2	193534.1	TRUE
441692.1	413357.8	433613	435206.5	320212	453778.4	392647.7	370352.7	TRUE
227652.6	140412.9	183115	172795.5	272064.5	284197.4	150991.4	268209	TRUE
732431.8	517474	568618.9	551427.3	739016.1	847692.6	485705.2	766254.6	TRUE
559706.3	538772.3	493474.8	630723.5	430147.5	553569.8	479422.2	471900.9	TRUE
218598.5	162512.5	196916.5	201383.8	153481.4	208228.7	164889.9	150762.3	TRUE
1218105	925459.6	1019029	1134239	1326585	1374313	879286	1414240	TRUE
300199.6	253153.1	251720.9	271172.5	282288.5	260126.1	261007.2	286568	TRUE
463610.4	511109.8	427363.1	449116.2	523942.4	531431.5	524169.8	542236.6	TRUE
269599.9	265757	197994.1	222842.7	270099.7	213656.5	272983.4	267922	TRUE
221200.3	195298.4	204001.5	188364.1	178042.5	193076.9	193818.4	194807.1	TRUE
172535.2	173258.8	188122	182141.6	183507.8	169957.2	195725.7	201643.2	TRUE
743868.9	704738.5	676013.4	726878.3	757371.4	749570.3	768030.5	786621.6	TRUE
105292.3	97392	93140.5	101132.6	111248.4	117195.4	105013.1	100493.9	TRUE
310986.5	330200.3	311762.6	284024.1	321461.7	306495.4	287757.5	297593	TRUE
47979.8	46531.6	45357.5	47509.1	40302	35092.5	39807.6	39547.2	TRUE
161427.8	130463.3	128854.3	147216.8	132800.5	274463.4	157339.1	193688.4	TRUE
325471.8	287063.9	327194.9	268309	231746.8	318893.1	291130.3	252421.4	TRUE
178690.9	188148.7	196549.5	168021	151116.7	235309.2	189092.7	166703.5	TRUE

94458.3	136232.8	134529.7	123461.9	150707.6	102881	119982.9	99927.4	TRUE
30376.1	40346.3	54449.8	22181	36913.6	58944.7	40132	32499.1	TRUE
44637.7	35847.5	52575.9	35649.7	49716.7	62502.6	50732.4	46726.4	TRUE
58730.3	54110.3	45755.5	54957.2	58009.8	51263.4	75092.7	74688.1	TRUE
48163.5	21264.6	26095.8	51755.1	42213.5	25918.3	35091.4	47141.3	TRUE
149445.5	150540	108245.1	156443.4	154551.1	136047.7	175710.6	154875.7	TRUE
38199.8	50177.8	42012.3	37776.6	67801.9	42019.7	55159.8	46870.9	TRUE
1546773	1684076	1856458	1805743	1474852	1511071	1801629	1560678	TRUE
35673.4	38229.6	29977.5	33085.7	34118.8	32277.9	42576.7	37744	TRUE
150870.6	173078.3	127224.9	122803.1	135871.1	103346.7	161975.1	141301.6	TRUE
248912.8	297077.1	200352.3	214625.8	240646.9	187457.7	282086.1	243361.7	TRUE
1438671	2353516	1133790	1685810	2043852	945960	2535179	1038002	TRUE
121412.9	185549.7	114727.6	165598	137105.6	142785.1	126149.4	119631.6	TRUE
186311.4	349931.7	1313309	261709	183093.3	177120.5	207165.1	181902.5	TRUE
230950.4	204501.2	223947.3	253022.3	179016.1	191055.2	257514.2	218481.3	TRUE
284796.6	247980.1	256859.9	284312.9	195355.4	271617.1	310292.5	326093.3	TRUE
272901.5	274341.1	202087.4	201760.8	194214.8	198989.6	234642.1	191745.4	TRUE
229088.5	254208.9	234287.4	272378.2	237838	238803.6	305158.4	231787.3	TRUE
1297094	950505.5	1499137	1458478	1166299	1485211	1071949	1471756	TRUE
41081.3	55162.8	29777.7	28652.6	34543.2	48088.1	54443.6	30241	TRUE
35424.1	30827.1	41138.8	32224.4	33664	33800.3	27579.7	31434.7	TRUE
70667.7	79525.1	66112.1	90571.5	68770.5	78284.9	84685.5	68455.9	TRUE
693035.1	661515	672254.3	682866.2	516297.7	608727.1	650799.8	534523.1	TRUE
185081	164426.4	136785.8	177195.1	152584	165137	179130.2	163260.5	TRUE
149864.1	155211.4	124272.2	170415.7	149585.3	122824.8	162287.6	141402.3	TRUE
169502.2	176463.2	146195.2	206162.6	181623.5	165813.9	218665.2	183710.9	TRUE
174880.2	150808.2	158444.1	148360.5	145979.2	201121.6	152805	169554.6	TRUE
258890.9	237250.2	278045.5	273994.7	226516.2	292450.5	249745.5	290594.2	TRUE
370083.4	290642.4	299550.5	334297.5	367946	336833.8	377284.7	385170.4	TRUE
413335.5	388313.8	371554.2	407378.1	428251.8	386570.8	444524.8	499864	TRUE
498999.5	512204.3	504233.9	542992.5	494934.6	569900.7	590644	553775.5	TRUE

486640	541015.5	450037.6	520823.6	654122	483017.5	520462.2	625905	TRUE
160234.2	185176.9	129081.7	165679.7	148611.9	177188.4	164655.5	154717.9	TRUE
198031.5	237903	224040.4	254202.3	180041.9	245448.4	261529	231653.3	TRUE
27464.1	5785.5	22983.1	19410.8	21393.6	16220	25809.5	25423.8	TRUE
27084.2	21941.1	18541.2	11832.4	29011	8738.3	9893.2	32813.2	TRUE
667730.3	632771.8	801510.4	715126.3	648192.8	772105.4	657464.2	704295.8	TRUE
1389412	811396.1	1311254	1261783	2522622	984840.7	940445.5	1063858	TRUE
9869.4	8979.5	10937.4	12977.6	20274.2	25385.4	6367.5	8468.1	TRUE
22630.3	6055.5	21191.1	10874.9	25214	10645.3	11484.8	11688.2	TRUE
254809.3	268361.7	271362.7	213461.2	206314.2	316957.8	249858.5	225532.3	TRUE
312821.7	307394.4	335128.4	321208.3	428560	279235.2	336870.6	294333.7	TRUE
161089.3	171599	152644.5	185138	239882	196228.3	178494.9	188081.2	TRUE
79307.4	122150.5	134799.9	104789.9	88329.5	107419.1	96428.3	65603.1	TRUE
120932	200783.9	142112.8	131008	136445.8	123676.2	108778.9	123808.8	TRUE
32390.7	22239	34768.3	34091.9	31257.8	28996.4	28715.4	30850.9	TRUE
553730.1	551271.5	506966.6	580778.7	553879.7	486059.9	582352.6	520018.2	TRUE
67005.6	68860.2	54343	65127.8	84310.7	62354.1	80509.9	76216.9	TRUE
220130.2	232350.9	225262	367837	267439.6	216280.9	245897.5	235954.7	TRUE
216316.3	208775.4	216586	282070.4	245328.8	232305	279566.1	221999.3	TRUE
451172.8	458921.4	493667.8	890365.1	687921	523881	500524	515843.6	TRUE
100298.5	96642.2	65399.9	158442	114770	78594.2	107786.6	102335.8	TRUE
141130.9	147387	108360.6	130846.9	151608.1	132208.3	149498.8	161857.8	TRUE
53413.2	59263.3	49776.1	81937	51856.3	41945.8	74454.7	52570.5	TRUE
313556.6	282125.1	299304.7	340640.3	343500.8	314053.7	320312.9	354319.7	TRUE
151220.8	126867.5	143754.5	150232.9	111644.4	161329.9	133803.4	117013.6	TRUE
91200.2	97559.3	105095.1	108997.6	95446.4	107858.5	119500.3	100403.1	TRUE
516782.4	454648.7	629473.8	541196.2	368537.5	699183.8	518032	399279.6	TRUE
265701.3	204147.9	255056.1	296842.8	353749.2	265267.9	240322.8	298146.1	TRUE
10806.7	12048.8	7826.2	17575.1	27815.1	9083.7	11793.7	32533.7	TRUE
38654	28301.5	25316.9	33220.1	33910.7	35821.7	40276.8	35837.3	TRUE
28598.1	36535.2	32531.2	44577.6	38821.5	43941	36313.3	33355.4	TRUE
101140.3	68622.9	63431.7	98025.9	90396.7	102548.5	91517.9	123782.7	TRUE
107514.6	115332	105530.5	97270.6	107409.4	100202.3	92404.4	127651.6	TRUE
78773.7	63289.2	77507.2	78928.3	77217.3	69665.4	86897.3	66197.3	TRUE
43609.7	32915.8	45018.3	43965.4	33605	47527.3	36578.8	60816.4	TRUE
100265.6	92982.9	92145.8	108164.7	116038.5	107483.8	107564.4	134224	TRUE
31526.8	38416.4	59799.2	33981.4	44767.8	28111.5	42937.8	30997.9	TRUE
74009.5	58663.3	49084.5	53115.8	77964.3	48990.7	40788.4	71428.3	TRUE
38793.6	42340.6	57151.7	39663	43426.9	35794.4	62613.4	41297.5	TRUE
67296.8	45065.6	47593.2	93994.2	65189.5	69508.9	73845.2	60153	TRUE
183320.3	204551.6	171615.4	228519.6	197623.4	179901.4	192202.6	206739.5	TRUE
347750.1	355433.5	275344	305777.6	342618.7	263016.1	308915.9	340690.1	TRUE
780352.7	693815.4	865834.6	880078.6	674793.5	718778.1	739055.6	739813.8	TRUE
38659.2	38290.9	43871.3	45542.5	50083.5	43716.4	50227.9	37893	TRUE
117762.7	108265.3	117724	109701.5	108471.9	111019.4	138959.7	118754.6	TRUE

258132.2	285570.6	258964.9	308831	225404.6	304233.2	264052.4	240141.4	TRUE
175115.4	172473.6	161282.1	179599.4	141621.3	162563.4	199109	149069.8	TRUE
92575	92309.5	70816.8	87190.6	77859.4	102516.9	120189.2	109702	TRUE
55297.2	41010.2	34288.3	42308.1	23209.1	49166.9	48071.7	45597.3	TRUE
295421.5	172413.4	260425.9	338332.4	265526.1	292340.1	248189.8	309824.6	TRUE
118796	144112.9	122822	99524.3	98594.6	122805.3	126822.9	88730	TRUE
235653.3	279415.1	230055.7	255124.1	234588.6	259211.9	296994.6	241708.6	TRUE
53766.2	67053.1	44095.9	67494.9	76098.4	57167.5	41938	65755.3	TRUE
85191.8	69469	95275.8	85213.6	85039.2	79436.8	78007.6	70868.3	TRUE
575365	488238.2	585274.2	624268.7	599499.3	567276.8	524614.8	584576.5	TRUE
227268.5	291130.9	263997.4	208809.6	277627.4	198159.3	258072.6	261637.5	TRUE
119151	122673.5	84476.9	105408.1	128754.3	103559.9	140172.8	108015.3	TRUE
593710.7	1460632	580930.7	627750.5	563347.3	628041.7	745608.8	563769.7	TRUE
40741.6	50948.2	36724.8	30840.6	32995.1	43960.2	56695.8	32327.5	TRUE
1811709	2021441	1744766	1800498	1622917	1784369	2019538	1652933	TRUE
60113	45507.2	66778.9	58952.5	50652.5	48595.4	71014.6	55904.8	TRUE
421226.4	449509.9	449282.8	466360.8	404611	424645.7	418719.2	440527.4	TRUE
223672.4	254463.9	149592.9	195290.5	207142.3	151528.4	234410.1	228699.2	TRUE
136048.2	128958.9	107439.1	139704.2	160197.4	123220.3	190003.2	158261.9	TRUE
295444.5	244695.9	276914.9	388557.5	385030.6	292375	293389.9	401217.2	TRUE
103050.6	136729	106655.8	104558.8	94370.6	140320	154423.1	125945.1	TRUE
1072908	1050941	705071.8	733699	973256	1089153	1029635	1050536	TRUE
330275.7	199533.9	298129.5	322093.9	304632.1	345425.1	198406.1	308804.8	TRUE
632470.3	604963.6	414877	417358.4	630027	669284.5	619447.1	633237.6	TRUE
111578.5	82709	109830.2	107857.7	112031	130687.5	71802.5	118647.8	TRUE
41021.2	29638.6	48218.8	35984.2	34887.3	29356.5	42309	48598.6	TRUE
30577.2	26327.2	29112.7	41348.2	40289.9	30484.1	25123.4	27099.6	TRUE
149146.1	137682.1	118159	115571.9	131159.9	183250.9	171589	169643	TRUE
162405.2	207102.4	176474.8	148848.8	152464	168546.2	190961.1	138404	TRUE
176815.3	187904.7	159881	147446.7	111672	165442.4	213125.3	123461.1	TRUE
22654.4	36793	18017.2	31909.3	30217.4	28527.8	40196.5	29646.9	TRUE
22772.9	13387	11802.1	8752.4	8348.6	7174.4	9231.7	10663.4	TRUE
144202.5	144680.5	107413.9	90408.5	89614.3	99938.5	118347.3	96937.3	TRUE
148260.6	173301.7	119531.3	144144.5	81234.8	123787.3	166915.6	104005.9	TRUE
258299.8	336963.7	207025.9	246269.4	200851.7	230159.6	320792.8	216792.3	TRUE
131093.7	95860.7	176861.1	164301.4	126513.4	132656.6	91902.6	137228.5	TRUE
54639.9	49110.3	63230.4	69642.2	53268.3	54573.3	44342.6	56587.6	TRUE
29161.7	41970.5	40365.9	55726.9	56981	53806.2	30794.7	24028.7	TRUE
47195.4	54048.9	42088.4	50206	41761.5	32329.6	44856.6	27542.6	TRUE
29969.8	35540.8	37944.7	26987.2	33680.3	29977.2	26030.5	49649.7	TRUE
20087	37362.5	37865	40079.6	38811.6	26668.8	28209.8	32755.3	TRUE
20798.4	47165	22316.6	49411	28564.5	49362.2	32328.1	17763.4	TRUE
207006.2	184831.4	85861	178860.6	189976.2	103003.2	188259.4	210057.2	TRUE
314002.1	295558.6	188127.7	315352	354092.7	188000.6	318497.1	359713.9	TRUE
46194.4	56272.3	50785.7	43118.8	34117.2	78823.3	42664.6	46490	TRUE
101941.6	130421.6	100413.5	114083.5	127067.1	94896.9	98152.2	114752.9	TRUE
31765.9	10834.8	32839.8	33217	64496.5	47092.5	33573.1	40951.1	TRUE

86207.9	68622.6	121719.1	71003.4	68909.5	120480.6	95118.1	76799.3	TRUE
368621.1	339558.8	478030.6	239501.4	296943.6	526016.3	338408.4	297155.7	TRUE
97904.8	55813.7	84358.4	71920.9	78134.4	126689.6	103653.9	89698.7	TRUE
113041.6	92466.9	171249.6	95461	88258.8	160506.6	128453.8	103562.3	TRUE
1694290	1446813	1902938	1812914	1620130	2029206	1623248	1781181	TRUE
113377.9	89796.9	71528.4	86033.4	101967.9	95100.7	93877.3	105997.5	TRUE
143132.3	188657.9	152349.8	158426.4	171757.3	170907.5	183350.9	194865.1	TRUE
70383.5	63963.1	45592.6	65796.5	53934.2	65966.7	77333.6	68141.1	TRUE
48687.2	44858.3	31551.5	35415.8	27449.8	24083.2	45327.4	56097.8	TRUE
102874.9	71051	84723.5	123718.1	128866.5	94736.1	98629.1	95977.6	TRUE
139787.4	129237	129028.9	149644.2	169779.8	141037.4	170977.9	165545.3	TRUE
74474.1	75847.5	70861.5	75541.5	54041.7	65007.5	91201.1	55432	TRUE
47755.8	57490.2	44216.3	35089.2	46917.4	60688.9	45102.7	43937.8	TRUE
373231.9	433392.3	328913.9	305901.3	397559.6	345569.4	347359.1	411493.1	TRUE
72346.8	66218.1	78873.2	71677.6	90751.6	61776	74460	98245.4	TRUE
95752.8	96251.5	85026.6	84725.9	80930.8	88768.7	102071.9	83720.9	TRUE
71918.4	55505.3	103055.5	93202.7	87382.9	91774.9	70289.8	77777.5	TRUE
386694.1	385023.1	410394.8	418728.9	441684.8	410118.2	337482.7	424411.9	TRUE
101560.6	97760.9	135308.8	157930.7	133910.3	130625.7	103929.2	109386.8	TRUE
110949.9	102115.7	142747.2	113363.3	120379.1	113556.8	179878.4	101768	TRUE
125043.5	124542.2	140639.8	137389.5	99893.9	156879.2	126958.4	118558.1	TRUE
148146.4	116719.9	149583.1	129823.1	119916.6	147635.2	136521.8	141570.7	TRUE
137560.4	114799	161017.3	147264	128362.9	159097.4	113110.4	144039	TRUE
458701.2	331110.4	514772.7	440413.2	470298.8	452285.6	396927.1	463233.3	TRUE
63286.6	63908.9	48386.3	53331.8	39662.7	46209.9	60325.9	73591.6	TRUE
1119961	1027957	1196468	1292304	1108096	1101000	1043316	1051558	TRUE
166605.3	156201.5	158072.5	140122	185921.1	148142.7	200636.8	179669.4	TRUE
97567.2	116787.9	112926.1	96911.4	136133.9	94432.1	114923.3	113682.9	TRUE
93062.2	87449.7	81964.2	77179.6	103908	91415.2	107734.9	105421.1	TRUE
45672.3	55517.4	58754.6	56508.7	74685.6	38797.5	58188.8	42216.2	TRUE
87668.3	98121	96858.8	125338.5	69043.2	87670.3	92460.2	81199.7	TRUE
126235.7	142487.5	142081.5	124008.7	109744.9	147744	148845.9	104426.2	TRUE
101157.8	130280.1	74538.5	90576.2	136452.3	92395.8	127563.3	141938.6	TRUE
62623.5	57069.8	55671.9	63299.8	58417.6	52956.2	59811.9	70335.9	TRUE
232448.7	253558.8	233614.3	231786	230475.8	212293.6	243420.6	233821	TRUE
86980.1	101735.3	101138	122573	70168.3	65888.5	123035.6	84279.9	TRUE
103767.8	150991.3	124547.1	114395.3	114312.5	104360.7	154027.1	121681.1	TRUE
791059	739681.5	884133	874403.4	850153.8	677797.8	699740.2	647740.8	TRUE
79681.7	95788.3	32496.9	68342.6	77483	48808.7	112831.2	109473.9	TRUE
134027.8	135344.7	80211.7	119222.1	112352.8	108128.9	153111.4	118952.7	TRUE
149078.1	155379.3	138227.1	139818.9	151729.1	162181.7	196513.1	140899.6	TRUE
389508.1	335371.2	414301	422254.9	393836.4	433282.2	352451.9	423301.5	TRUE
267108.6	221383.3	291546.3	285405.3	264488.1	296530.1	292447.4	247542.4	TRUE

200913.5	182507.2	153108.5	156241.3	126763.2	159304.5	142630.9	123769.3	TRUE
212144.8	219288.6	234121.4	246031.5	228515.2	199124.5	216615.9	201138	TRUE
457084.6	304232	454326.7	553450.1	443774	411343.5	334427.7	407653.1	TRUE
91115.1	63686.5	58368.6	76029.5	64478.3	108640.6	107477.4	88711.2	TRUE
194153.8	145451.3	193376.1	215945.8	216869.7	253188.9	248076.5	210242.8	TRUE
23539.6	43712.7	31558.5	79442.8	31727.2	36659.8	43790.7	34321.1	TRUE
16702.6	6560.9	11252.3	9474.6	19206.7	18909.8	9524	20424.5	TRUE
247195.8	145965.9	261781.4	320405.7	257331.9	281321.7	187967.1	249431.4	TRUE
30337.7	32647.7	27891.4	37663.6	34447.1	33784.6	28013.3	32048.2	TRUE
109663.5	84695.8	67624.7	101530.9	102917.7	95404.6	92439.7	109716.6	TRUE
63580.8	71699.7	58569.3	60601.4	63200.2	57216.7	69985.5	67485.9	TRUE
15928.9	7174.7	18006.4	19227.8	7151.3	8000.5	17092.4	6265.8	TRUE
227110.6	307909.1	136416.6	209126.4	208689	168173.5	245938.1	215943.3	TRUE
206938.4	196175.3	200479.8	230094.7	229508.6	192567.9	281648.6	220543	TRUE
53715.7	48754.4	56224.3	52861.2	68536.3	52270.2	49667	68553.7	TRUE
332994.8	314578.2	457994	401559.6	292162.9	315262.3	334589.1	300823.4	TRUE
310873.2	275976.5	399577.2	348226.2	308303.7	300302.8	315686.5	271592.8	TRUE
186228.5	174590.6	179214.5	206150	168371.1	181666.1	219410.4	200898.4	TRUE
204900.7	229512.1	179432.1	208250.3	221790.5	176183.4	249113.3	193465.2	TRUE
195488.9	228463.7	190708.4	190553.3	199403.5	209406.8	211657.8	208411.9	TRUE
254971.8	222013.1	268308.8	299253.4	196921.9	240439.5	234492.3	290952.5	TRUE
415862.4	453549.7	521692.9	506289.5	321637.1	536976	400602.9	515696.6	TRUE
10151.4	6281.8	15166.8	6003.8	4673.4	20899.8	8949.3	7995	TRUE
235469.7	234541.4	217458.2	228294.3	174616.4	239342.5	267595.5	171058.1	TRUE
201263.7	176495.9	233931.9	230228.6	204001.3	197822.2	176444.6	214574.5	TRUE
218411.5	244710.5	242359.4	186109.7	214911.7	238817.4	256200.7	229839	TRUE
115783	141739.3	168419.1	105765.8	124937.9	168235	126687.6	114657.7	TRUE
78906.7	59591.2	80201.5	45277.1	56703.5	86429	54016.3	61275.8	TRUE
159814	157018.3	227927.1	97709.4	94446.4	222373.5	128928.3	99931.4	TRUE
115029.5	71651.7	108420.1	82929	116803	88394.8	85081.2	98959.1	TRUE
29775.2	32980.1	36890.6	30588.4	29198.8	54011.6	28595.6	24746.2	TRUE
135469.7	99069.7	118678.7	119941.7	157767.2	131276.4	120774.7	129400.3	TRUE
69594.2	53374.7	107681.4	67781.2	54046.5	114296.2	82151.9	56096.6	TRUE
186057.7	148712.7	178561.6	156120.2	129457.3	200865.3	245227.2	193780.5	TRUE
212639.5	245765.9	216297.6	298561.3	281119.2	209721.1	267061	358666.4	TRUE
1986650	2435946	1970039	1976511	1492086	2334547	2352334	2242034	TRUE
104569	99449.1	80154.9	97629.7	99368.7	81051.9	100573	126677.4	TRUE
553050.5	503570.2	425183	601064.1	580430.9	466228.9	594003	613078.8	TRUE
172949.9	203396.1	164318.6	179698.8	185429.1	158363.4	171851.4	180856.9	TRUE
157926.8	169281.7	124896.2	154635.9	161079.6	116838.6	169014.9	151545.4	TRUE
74307.2	103259.3	90021.3	97629.8	106749.7	68517.3	94884.7	84470	TRUE
165688.1	148598.7	144223.5	182707.2	131068.8	163495.3	165104.6	167916	TRUE
237258.6	227591	252836.5	262172	187921	229692.9	230372.3	245521.4	TRUE

739057.7	716836.8	885861.2	757679.4	654317.7	847881.6	705324.9	608801	TRUE
57888.6	99038	19729.6	39856.4	39509.8	28493.4	135807.6	46805.4	TRUE
107194.1	79902.7	174281.5	190819.6	77664.7	106927.3	72480.3	87889.1	TRUE
366147.9	304598.1	475734.1	539929.7	278596.4	345943.3	280397.2	317411.2	TRUE
30672.2	37735.4	50075.9	35259.2	27946.1	18162.6	18098.8	18657.6	TRUE
98767.4	40310.6	133894.2	126687.5	53744.2	93089.6	45596.8	82047.6	TRUE
75879.7	114509.3	83842.4	83198.3	57633.4	69981	87236.7	66806	TRUE
197468	314909.3	134666.6	123958.9	141410	118220.5	279737.5	142909.1	TRUE
84340.8	83902.3	84222.2	100755.2	80520.9	95146	90485.7	109115.3	TRUE
231378.8	256774.2	193259.6	210248.8	233815.3	180919.3	223409.7	222669.4	TRUE
109022.2	100383.9	94472.4	98033.4	127741.6	97574.8	119572.3	111631.2	TRUE
225314.1	228312.4	176665.4	177856.2	146124.6	167223.7	172720.2	191278	TRUE
115683.1	102593.6	94688.9	85545.2	81964.6	82296.6	118600.9	91039.3	TRUE
7750.8	10175.9	16932.1	8785.4	20612.5	2980.9	20707.1	20821.1	TRUE
191295.1	163489.8	151915.1	160281.1	144428.7	150537.9	171611.3	145255.3	TRUE
171594.6	179059.1	173751.1	187594.9	175046.7	173224.7	158378.8	174564.5	TRUE
117390.2	135269.6	114221	112599.7	105480.5	109066	112797.8	108623.7	TRUE
51460.8	44174.3	43402.4	50132.4	48857.6	51418.9	66424.2	58400.1	TRUE
133475.9	98075.3	71406.6	106234.6	80958.7	113287.8	97534.7	102549.8	TRUE
290902.2	213480.8	263242.1	288458	244083.9	286262.2	267069.9	298297.6	TRUE
75988.6	106445.2	75834.6	106805	51534	124173.4	121184.5	114725.2	TRUE
5544.8	8837.8	16029.2	5223	9518.1	6839	10233.4	18377.8	TRUE
20849.1	32007.4	22646	11421.2	8615.6	23795.6	26829	13318.6	TRUE
305271.9	267449.7	266525.8	318729	275528.3	297629.3	234170.5	282985.7	TRUE
147396.3	134162.7	158137	178829.6	169777.2	177454.5	157480.3	138690.9	TRUE
250878.5	179361.3	209896.5	236361.8	276801.4	283883.5	195295.4	231780.2	TRUE
109235.1	88664.4	71335	97779.2	58048.3	134429.2	96103.8	93827.3	TRUE
446511.5	362802.9	340560	432812.7	417019	473734.9	406582.3	531958	TRUE
213880.5	154064.4	174319.4	169853.7	190149.5	238461.8	188198.5	202452.6	TRUE
938604	851054.4	909317.7	1122422	1036760	938019.5	895826.8	1026721	TRUE
157818.3	189298.8	135743.4	187980.5	179100.8	153065	138938.6	159036	TRUE
60282.1	53169	51297.1	52807.2	47314.2	83952.9	74076.6	86230.8	TRUE
66166.7	61657.7	58478.7	57619.5	79773.7	100263.5	65336.4	89190	TRUE
158078.1	101520.8	178147.1	119708.8	115030.3	171495.2	99065.3	125835.7	TRUE
93496	77308.1	133072.6	104402.6	88486.3	154785.3	93055.1	109520.5	TRUE
123706	100055.7	102252.4	84274.4	171251.5	106361.1	132812.9	97398.9	TRUE
35600.3	24295.3	34369.5	34637.5	25920.7	33195.5	33704	25466.6	TRUE
124791.2	94614.6	202987	185763.8	135553	102889.1	84824.4	103684.6	TRUE
78207.6	86011.2	60758.3	72178.8	75894.8	89438.7	106275.8	83979.2	TRUE
111400.8	119548.1	75050.8	74136.9	58161.6	127651.8	146682.6	71003.2	TRUE
84833.8	65979.4	106548.1	102123.1	84231.1	73122.8	64462.1	81222.9	TRUE
185262.3	138490.8	177905.1	211893.7	166279.7	165480.8	166658.6	183262.9	TRUE
118853.5	134665	110508.5	85911.7	96839.5	178941.6	191225.8	146175.7	TRUE
127302.6	144824.1	121881.8	95004.7	112298.6	135307	161377.3	117328.4	TRUE
82798.8	62977.5	122598.3	120241	98471.6	52526.3	67640.6	77186.8	TRUE
465171.3	429500	432690.7	454866.2	483894.6	428257.5	505684	477117	TRUE

138308.5	154849.8	134765.2	125954.5	130036.5	128455.7	135334.3	128635.3	TRUE
158825.6	180010.1	174688.7	213254.7	193223.5	190214.8	191740.2	224612.3	TRUE
67541	51763.6	82241.4	86500	69154.8	73740.3	74707.1	76108.8	TRUE
182145.8	145091.9	181359.8	146802.9	168589.5	174046.1	193380.8	179052.1	TRUE
173240.5	148958.7	136967.5	151370.1	161126.5	158030.4	153723.8	152451.2	TRUE
107406.2	103456.3	115466.4	83110	97155.5	105672.8	113106	72908	TRUE
62306.5	88843.7	57136.8	70183.6	111796.9	63407	93784.7	80592.5	TRUE
185002.4	135286.7	172124.2	215886.1	187710.7	204084.8	155805.5	151878.2	TRUE
155245.5	86373	158484.8	175050.8	99557.8	157344.5	94521.7	109395.7	TRUE
77482.9	41523	69247.7	78646.3	81502.8	103899.2	64543.7	87463.4	TRUE
342152.9	286184.7	163544	230641.5	347498.3	400028	371596.6	387511.4	TRUE
154116.5	139559.6	98596.9	118714.7	164854.7	189098.4	164238.7	175356.5	TRUE
49120	29555.8	32798.1	58496.6	42096.8	67268.6	33899.7	51599.8	TRUE
72409.8	55863.9	76488.9	117733.3	55948.7	72953.6	53968.1	60069.7	TRUE
31254.6	27249.2	26101.7	26796.8	25064.7	33577.2	19600.6	24417.4	TRUE
123550.9	104709.7	103789.1	97759.9	77471.1	134290	132270.9	122353.1	TRUE
88087	121420.5	76180.1	84086.4	81499.1	90453.1	81864.4	91666.4	TRUE
32650	11818.5	23740.1	5236.6	13360.9	19048.4	11034.8	7158.7	TRUE
71174.1	83669.2	92944.4	72122.6	96185.7	95272.1	87740.2	78061.1	TRUE
93283.9	154610	129665.4	96147.3	97971.3	67402.9	34216.1	21305.6	TRUE
185466.2	146797.5	212054.2	244112.4	182374.2	199703.7	177644.2	233322.9	TRUE
111175.7	82078.1	134172.8	134265.5	106605.3	112939.1	108841.6	99955.9	TRUE
90346.7	86090.9	54896.8	78605.5	82213.1	75682.9	143713.7	101089.1	TRUE
110972.6	144575.3	141917	117250.6	132811.9	140116.7	136800.7	124824.9	TRUE
27031.3	38666.9	36172	8829.3	29610.6	47290.3	28659.9	14695.1	TRUE
150669.6	153805.3	157763.5	134843.8	141918.1	155566.1	146268.7	113282	TRUE
39639.4	45465.6	52285.1	33792.3	33171.4	51912.6	57772.7	39463.5	TRUE
178348.2	162487.9	170054.6	135370.4	149227.8	220723.7	187883.4	158884.4	TRUE
119971.6	115084.5	145782.4	120064.4	121954.1	147498.5	148438.5	117314.8	TRUE
168989.1	219757.1	142221.7	148280.4	198210.5	156157.6	219418.9	129610.5	TRUE
122679	102799	130743.2	150754.8	100408.2	151076.6	123503.5	114481.8	TRUE
888335.1	682901.9	852071.3	745175.2	668060.6	948537.5	724571.7	777905.8	TRUE
596366.8	554689.7	383635.1	430638.6	506206.2	485546	509564.6	545639.2	TRUE
55003.2	39593.4	50950.7	42039.1	46330.7	55293.3	48631.6	43295.9	TRUE
69288.9	70025.3	97295.7	67390.8	34332	118255.8	66501.6	31738.1	TRUE
256435.9	237070.9	232128.7	230114.1	268832.6	241770.2	227057.4	253872.1	TRUE
173196.7	135372.8	239086	149632.6	96144.2	365353.8	197970.1	146993.8	TRUE
269968.8	188331.6	303337.8	269859.7	440876.4	245583.7	190738.4	226916.2	TRUE
118640.6	72185.1	104896.6	117215.6	220630.6	105034.9	86028.7	116206.4	TRUE
23671.6	11237.7	22548.4	12364.5	16718.5	26506.4	9288.4	10439.6	TRUE
222878.6	234574	184761	253889.7	177971.8	218964.2	278607.7	191829.1	TRUE
82424.8	101739.5	97168.2	84959.9	89147.8	97824.7	96431.2	83569.4	TRUE
111545.8	89447.3	107369.2	129867.4	123041	131156.8	94829.7	122709.5	TRUE
151535.8	178045.2	133636.2	149824.9	141814.8	128863.7	154635.9	146738.5	TRUE

189488.8	171610.1	246250.7	215044.5	225183.6	197665.6	155348.4	171178.5	TRUE
338614.9	300254.5	389391.8	405295.9	338611.1	332091.4	313441.2	328317.6	TRUE
1295360	984587.7	1790465	1038269	954885.4	997398.8	1048468	882578.1	TRUE
163194.5	190943.5	142725.2	148170.1	139335.3	163293.9	174237	136017.5	TRUE
89837.5	116164	71902.3	95250.5	78006.4	89465.6	107889.3	84437.1	TRUE
148880.9	96273	171335.9	153967.9	118295.4	123109.4	96671.2	156591.7	TRUE
355737.4	259457.1	375536.1	351267.4	323962.6	336070.9	268180.2	324208.8	TRUE
69101.1	76501.6	88825.7	78224.7	72489.7	71491	96843.8	85088.9	TRUE
92746.6	100954.3	90075.3	89395	87718.3	92824.9	113496.7	92511.9	TRUE
296779	306877.5	244447.3	256889.7	308048	249367.5	271293.4	283487.9	TRUE
234225.6	224319.1	208439.9	201841	188017.2	200653.4	235767.2	193562.5	TRUE
1194806	875209.4	515851.8	565149.7	473850.3	468491.7	529043.2	451197.6	TRUE
73602.3	106936.2	67053.5	69774.4	92282.8	63594.3	80039.8	69227.2	TRUE
81933.6	93118.4	79438.4	77978	91642.2	67040	91935.2	90570.4	TRUE
36051.8	26379.6	30469.5	32355.7	30092	32292.5	36960.6	29424.6	TRUE
90844.2	83831.1	101545	117418.9	106146.4	96411.1	84234.5	111404.9	TRUE
181901.8	201522.4	228188.2	198917.2	210240.4	206002.5	186526.7	182026.9	TRUE
502182.6	532331	507593.9	521376.3	476520.7	497590.1	503365.9	470777.1	TRUE
38739.3	46551.2	32297.9	41720.7	55247.1	37239.5	44872	38442	TRUE
198511.9	213449.1	175295.6	210181.3	166179.5	194501	189239.9	198790.4	TRUE
381802.3	316521.4	337160.9	363974.9	392151.1	396652.9	388252.4	391640.9	TRUE
218969	237190.3	182950.9	180261.2	228370.2	249917.4	214558.1	221280.5	TRUE
54694.6	54242.7	49195.3	41958.8	69830.8	54770.3	40057.6	63343	TRUE
142861.4	76695.2	106630.4	126273.8	131390.6	138574.3	129106.8	163988.8	TRUE
112570	65790.6	62143.9	83458	79008.6	98579	96692.4	112156.6	TRUE
215396.4	161929.1	142055.2	151451	182730.6	256373.8	231770	230203.3	TRUE
118198.1	138206.2	143380.8	108461.9	108641.1	144548.7	147537.9	109475.6	TRUE
58704	82693.4	66703.4	41556.9	29253.4	65729.1	63888.6	42421.8	TRUE
114461.7	81664.4	126440.5	115643	131023.9	91193.6	105561.4	83933.7	TRUE
47298.7	48551	38546.7	28100.5	36048	67503.6	70429.5	35634.5	TRUE
132642.7	107893.4	115256.4	125545.8	208118.2	158304.7	99697.5	114607.6	TRUE
67545.5	72434.7	96903.3	62729.5	71685.2	75903.4	80362	60090	TRUE
243208.8	292389.4	282533.1	209287.7	218445.3	330559.8	315175.5	250315.6	TRUE
55082.8	64649.2	67453.6	70456.7	53529.8	74448.4	55382.9	54079	TRUE
146640.7	156588	261050	117978.1	115509	284812.6	154772.1	127879.3	TRUE
302447.7	383666.8	414064.9	266458.8	222044.4	328464.5	402911	249942.9	TRUE
448549.6	291909.7	603770.2	613318.7	471405.4	319817.5	315858.5	341228.1	TRUE
279800.3	246448.9	348752.8	306055.4	276979	243175.3	246168.1	207651.1	TRUE
71042.6	57582	83653	104832.4	75236.2	84124.4	44696	71689.3	TRUE

156138.9	167478	143148.8	147152.5	160499.2	149452.1	156714	171620.5	TRUE
70464.6	68194.9	67054.7	80531.3	72280.9	69516.4	73209	55025.9	TRUE
82011.3	61658.3	117836.8	61225.9	75884.6	43079	54446.8	50246.8	TRUE
25584.8	9066.3	10165.6	12913.3	23871.9	14802.9	34921.5	23065.8	TRUE
143406.7	164159.3	146046.3	122161.3	145082.2	147571.9	168957.9	132057.8	TRUE
222953.8	169638.2	229934.5	237136.9	241164.3	205772.2	191150.1	221405.3	TRUE
57571.8	65256.1	43137.5	52458.8	65082.8	45093.5	60305.5	44746.8	TRUE
38847.1	40730	40140.1	43247.2	41473.4	40516.2	42253.7	50873.6	TRUE
158265.2	113016.6	124144.9	168689.7	155632.2	155453.9	129229.2	172668.5	TRUE
264190.2	300543.3	255230.3	262857.5	263819.9	264159.4	303267.4	260588.7	TRUE
155232.3	170318.3	157455.5	177124.7	154166.9	170149.8	160622	157227.4	TRUE
12259.2	4126.8	5576.1	11037.2	14321.8	7327.1	6132.5	7547.4	TRUE
109018.2	179686.7	81429.6	107690.1	143179.2	87897.3	185641.9	152782	TRUE
119334.5	133821.3	152045.5	166832.5	86946.1	94015	167661.4	80546.4	TRUE
239069.5	257995.8	327663.5	302912.7	181291.1	171966.8	284833.7	181141.1	TRUE
225172	179789.8	208389.2	223948.4	192813.7	195770.2	222447.7	183912.9	TRUE
263208.8	253606.6	391950.2	369222.3	196638.6	215579	296677.9	243992.5	TRUE
286322.6	316000.6	381751.5	387128.8	261741.2	286787.4	322761.2	285074.7	TRUE
195411.4	172834.6	180832.2	175116.5	178979.5	172870	210854.5	191431.1	TRUE
430900.6	435900.2	588131.2	610066.7	401048.8	395725.5	422935	406801.4	TRUE
304303.7	276106.9	419455.8	450737	252756.4	247642.9	266314.1	241161.6	TRUE
243139.2	335474.5	400864.3	359544.5	210803.4	227545.3	331572.6	239651.9	TRUE
104257.3	98084.1	98330.3	109743.8	93080.8	90229.6	99352.6	97208.5	TRUE
296363.8	330150.7	343627.6	291026.6	295117.1	298042.5	298300.1	297134.6	TRUE
154542.1	171035.1	161910.4	169441.7	164769.4	178358.7	192480.8	143624.3	TRUE
18821.3	25749.9	17458.4	38003.2	26233.1	23471.9	29390	26554.8	TRUE
608056.1	718135.6	510874.7	657604.2	670659.3	580458.4	811947.4	647577	TRUE
439809.7	548640.7	349312.7	532194.4	457114.7	398040.9	616726.6	441723.4	TRUE
493599.7	463250.5	653290.9	676478.3	474146.9	557586.1	550974.6	535065.5	TRUE
20538.6	10756	16027.5	11624.1	7472.2	6729.8	10729.3	9672.6	TRUE
39840.9	41701.8	28544.6	36994.8	42513.3	38038.3	46235.4	46482.6	TRUE
83388.6	65742.1	83149.1	89085.3	92396.9	86210.7	78601	84319.6	TRUE
20778.7	24026.9	9983.6	32165.6	25238.4	22745.8	18500	21682.1	TRUE
37621	35248.3	46331.4	23153.4	46095.8	41262.6	44327.2	30147.1	TRUE
31909.5	43600.4	31373.4	29145.5	43336.6	33046.7	48403.5	44605.2	TRUE

10509.3	22177.3	16123.3	8354.3	22480.8	18131.3	15541.8	38298.1	TRUE
153902.3	145101.9	111632.9	163865.7	156214	204961.5	193146.6	189886.9	TRUE
205931.6	204808.7	217405.1	237031.5	205096.5	209757.3	205313.8	214678.5	TRUE
322084.3	303336.4	279654	295113.4	345635.4	340921.7	327561.5	327775.5	TRUE
514554.2	565718.6	545908.3	610359.1	664522.8	573827.4	559898.4	624193.1	TRUE
278189	134001.7	467744	228987.7	199686.4	598147.1	187150.2	247480.9	TRUE
497988.2	270363.6	616362.8	315146.8	217366.1	621222.7	244923.8	251922.4	TRUE
781456.3	402127.2	1498751	773017.3	496019.6	1563554	486797.2	512493.5	TRUE
3598452	1582600	5592272	2849441	2351320	6024022	1910724	2744228	TRUE
163747.3	83783.3	237422.1	141366.7	78262.2	402120.8	92056.3	148089.6	TRUE
118066.3	40981.8	153277.8	81747.4	43119.8	274033.1	82419.2	154564.1	TRUE
15400.3	19632.8	8894.1	23835.2	13033.1	5158.5	24793.2	10901.7	TRUE
386801.5	318017	357246.1	496851.4	423544.2	407679	362222.1	398156.4	TRUE
414074.6	416072.3	360711.3	317390.6	416602.2	440744.1	381192.8	430881.9	TRUE
86148.7	85570.1	90069.9	80595.2	84508.2	64867.4	103583	87786.3	TRUE
151616.2	184122.8	127833.7	114824.2	88889.9	118903.1	142062.4	90440.2	TRUE
584275.7	437151	735824.8	706575.8	631871.7	541097.3	429131.3	535125	TRUE
47618.1	60405.2	47279.7	29924.4	32352.4	49134.1	51857.7	33666.7	TRUE
76465.4	82173.6	84554.5	71694.8	70138.8	76048.8	106011.4	78413.6	TRUE
112819.1	86804.9	89648.3	82067.9	100234	80098.7	73789.9	100305.7	TRUE
232846.7	135947.3	260944.3	265102.8	242942.3	204980.1	163379.2	197910.5	TRUE
61478.4	36187	40693.8	42980	46454.6	40165.9	55859.1	62506.1	TRUE
33682.5	34052.7	38741.4	8459.9	30823.5	41287.6	33491.6	31165.1	TRUE
44462.1	44594.9	53999.7	33034.9	29804.9	52038	41029.6	31366.8	TRUE
592037.8	544923.4	995750.3	383282	380164.1	1097289	593867.4	359589.4	TRUE
282973.7	199619.9	299180.8	295640.2	415404.1	288529.3	326031.6	269084.7	TRUE
68955.4	67000	79833.7	63634.8	86087.2	97802.1	70091.4	61656.4	TRUE
28208.9	18380.2	30323.5	17550.7	24524.8	25604.5	23747.4	20543.7	TRUE
820767.8	719489.5	869067.9	898971.1	1294354	646763.5	789931.2	722348	TRUE
62169.4	66997.1	54404	30702.6	76253	79191.5	73865	54238.8	TRUE
100645.8	114557.3	151556	104607.6	118551.2	47223.5	109628.3	44827.3	TRUE
212190.2	159574.4	244767.7	261354.8	212565.9	205809	178594.2	217584.6	TRUE
1129831	789721.8	1353904	1290856	1003390	997100.6	770118.4	964393.7	TRUE
393948.4	526171.3	351136.7	415118.5	326889.3	344001.7	291205.8	341798.3	TRUE
140719.3	122212.4	150943.9	150944.4	149103.4	123188	150922.3	150355.2	TRUE
58524.6	31122.9	46212.3	44762.8	57215.1	42167.3	46283.5	51087.9	TRUE
127323.7	98539.1	76631.7	113696.9	88468.3	132907.7	115970.2	114622.3	TRUE
77155.3	56665.7	54883.5	67077.4	50079.9	74965.2	81078.6	78528.4	TRUE
180440.2	195088.7	150471.3	166946.7	148232.4	131509	161018.6	141342.2	TRUE
277413.5	286231.6	333526.9	225845.2	170312	333543.2	306358.7	216311.2	TRUE
596695.4	521245.7	564613.8	572595.3	673734.1	596748.6	584489	628374.6	TRUE
87523.9	106319.2	96001.2	101530	64191.2	136394.2	97705.8	87598.4	TRUE
58618.9	59765.2	73846.1	60735.2	68845	44602	46281.8	45791.8	TRUE

121423.2	106838	162748	80927.3	83937.5	113865.3	108640	86571.2	TRUE
163935.7	104670.6	195783.1	179445.7	231160.7	142324	115672.9	133325	TRUE
114056.5	91793.1	98999.1	115661.3	102406.3	166370	124105.1	81168.1	TRUE
38468.2	93005	60804.7	51342.8	51418.7	47911.4	51778.2	43032.5	TRUE
77869.3	87432.2	72264.9	79624.6	96181.7	69425.1	72511.8	93104.2	TRUE
100755.9	93603.9	100256.9	137825.9	122468.7	290132.3	145035.4	204275.1	TRUE
237891.2	240067.5	270671.9	321283.2	307098.2	723129.5	331818.2	468689.3	TRUE
103360.7	155811.3	76407	66191.8	105371.4	69923.3	147523	99598.4	TRUE
386812.7	203731.3	449254.2	565865.1	352721.9	389804.5	251589.2	447274.4	TRUE
534265.9	348788.3	730833.6	762509.9	465150.9	485155.3	361571	521840.6	TRUE
132716.8	143572.1	104723	145187	140516.6	123813.6	131509.6	148680.3	TRUE
120643.5	116357.1	154057.4	141297.2	110927	133375.1	127536.6	136776.4	TRUE
258506	287857.7	230435.3	268442.5	218333.8	296415.4	278472.1	340008.9	TRUE
100520.3	108264.7	95394.8	131699.1	102645.2	114063.4	140255.7	87417.4	TRUE
194478.4	124726.2	302577.1	268504.7	216927.6	224264.7	154424.4	207754.6	TRUE
403749	309624.1	486885.5	440015.1	384896.6	345613.5	300595.4	361784.4	TRUE
95494.8	68885.5	101531.6	79428.1	99145.6	109853.9	101729.3	104357.7	TRUE
159280.2	202748	131803.4	135583	144145.2	147991.9	158619.1	96473.6	TRUE
232014.5	246031.7	207481.1	207290.4	152910.6	215572.9	213845.3	171212.3	TRUE
140068.3	133490.1	154391	172898.1	183802.6	161222.4	157813.9	195080.8	TRUE
114289.7	70678.7	89607.8	106292	88702.6	90105.5	85751.6	79003.3	TRUE
201092	148660.8	208020	230710.3	284433.3	200667.7	158006.1	175243.4	TRUE
82105	54198.6	51395.4	90422	69614.1	98641.3	86495.1	139821.4	TRUE
168708.7	129969.1	90272.7	126313.7	145312.1	171696.3	174223.6	212525	TRUE
99865.9	107380.2	96149.4	113935.9	126366.8	95847.2	109685.4	112895.6	TRUE
168973	218396.7	105566	129984.5	117970.9	108198	174088	107430.8	TRUE
111050.3	127552	70365	70596.5	69695.3	71253.8	100127.6	83084	TRUE
345704.3	429991.2	300194.4	339746.3	291721	290421.9	499877	305061.4	TRUE
261708.1	295719	227190.3	260641.2	262933.9	259541	338238	285673.3	TRUE
89184.2	83847.2	125007.4	138572.7	106809.3	82351	86694.6	87707.2	TRUE
81576.4	73924.3	113392.9	108626	69674.3	80918.3	70091.4	81682.8	TRUE
74751.6	67964	61073.8	57873	50209.7	40756	45650.6	58448.9	TRUE
45731.2	26826.2	26215.1	47089.1	47133.9	39682.6	40250.8	56684.4	TRUE
108885.4	143205	60455.2	102218.7	100531.5	131975.9	166735.3	100646.2	TRUE
73490.1	47884.4	51917.3	54297.1	63064.1	52165.3	55517.3	52190.2	TRUE
501969.6	412996.3	370485.2	404889	523391.3	535744	449558.2	538744.3	TRUE
150784.8	111675.9	94825	135005.4	120688	149257.6	152581.7	163359.5	TRUE
20580.5	13657.1	19562.9	12682.4	28231.6	22168.1	27834.8	20432.9	TRUE
102919.4	101628.7	73755.6	90509.7	82670.7	91728	77518.2	84823	TRUE
104626.5	96978.4	97753.8	95335.7	75475.1	118335.2	91708.8	114306.6	TRUE
324565.1	254011.3	293979.6	283773.8	294890.6	281110.5	280042.2	310023.5	TRUE
398642.8	350777.8	315350.4	364960.7	410979.1	376464.3	382210.9	427588.2	TRUE
1118213	1053868	991313.7	1006801	950859.1	1115869	1061968	1228060	TRUE
344303.6	278859.4	227561.4	301393.5	308641.7	341782.6	336613.5	369029.8	TRUE
384643.7	274265.2	292826.4	356461.4	317998.6	468243.8	381199.8	474737.6	TRUE

81331.2	76548.1	75594.3	78273.7	63010.1	83507.5	79045.6	81707	TRUE
6297	6754.3	8564	11956.8	10370.9	7546.2	7302.7	20957.4	TRUE
20234	12397.9	7813.8	15840.7	11523	21144.8	12586.5	18921.2	TRUE
22172.2	8530.2	13989.1	19415.9	8579.2	15276.4	18691.5	16113.1	TRUE
469176.4	470004.5	422119	443815.7	539601.3	455508.9	519614.9	556058.1	TRUE
113428.8	113332.6	124923.7	148827.4	128869.7	113221.7	117952.7	126806.8	TRUE
29641.3	42381.2	24322.1	46993	35494.8	31261.8	52795.9	49784.4	TRUE
61332.7	42266.4	57257.8	61754.7	37865	67240.9	43554.2	73804.1	TRUE
119887.4	130930	111871.7	108622.5	121061.4	106217.1	108480.6	113263.5	TRUE
196753.9	183403.8	203233.1	209910.2	187822.8	211400.8	180777.7	205169.5	TRUE
53033.2	49610.9	53603.3	64575.8	44099.1	48793.4	57450.1	55147.8	TRUE
67966.7	58680	69395.1	56810.8	64387.1	69478.5	59279.8	51423.8	TRUE
516782.4	454648.7	629473.8	541196.2	368537.5	699183.8	518032	399279.6	TRUE
265701.3	204147.9	255056.1	296842.8	353749.2	265267.9	240322.8	298146.1	TRUE
223572.6	188686.2	275492.3	217046.9	202977.7	299990.4	187710.9	209712.2	TRUE
337896.5	233578.6	433193.3	321057.2	246383.4	476258.9	295701.1	303313	TRUE
91500.2	86335.7	70088.3	89617.7	103336.2	100217	103109.4	96604.2	TRUE
327081.2	423384.2	202231	263142	291777.6	252804.4	396234.9	302547.7	TRUE
204432	165776.7	279442.6	385775.5	144577.4	194928.8	218503.8	181370.5	TRUE
42324.2	40227.8	17198.1	18040	14438.1	12904.4	43344.9	24238.5	TRUE
19314.8	22052.9	36242.6	26909.8	18619.6	7130.4	24642.4	18136.8	TRUE
41204.5	48637.8	49119.4	56745.1	24887	37223.1	48344.4	27786.3	TRUE
114965.5	105516	94561.1	123874.5	99257.5	118448.5	121276.4	115044.4	TRUE
61643.8	68920	125695.3	70931.6	64423.6	47354	56207.9	53613.3	TRUE
72651.6	102463.4	54742.2	84626.5	72149.6	62012	62914.1	61781.6	TRUE
55012.2	38964.9	61198.2	32379	63723.3	66019.3	70709.8	58452.9	TRUE
69295.8	75487	78146	65020.7	49484.2	73035.7	63779.3	66017.4	TRUE
26714.3	23690.7	18155.5	35641.1	18547.6	36500.5	35241.2	11941.8	TRUE
40831	45065.1	53188.6	57019.2	39842.2	85346.8	73277.4	54044.7	TRUE
207609	153565.8	165250	193724	201926.9	185674	188140.2	214991.8	TRUE
137302.8	115341.9	123585.6	114378.9	131128.7	138324.4	132299.9	142012.5	TRUE
197658.6	141125.5	184737.8	199861.9	193158.7	156765.4	214314.7	230789	TRUE
155648.9	143453.6	130170.7	91155.8	92241.4	124203.9	129970.8	97403.9	TRUE
230949.3	229518	253327.7	245638.6	249255.2	301479.1	283121.4	262914.7	TRUE
69753.2	97435.4	115668.5	71740.2	103097.1	90829.7	82010.6	78619.1	TRUE
132089.4	145526.4	163653.9	208697	156352.9	199147	208657.7	154925.7	TRUE
689993.1	530479	748725.6	762656.3	713505.9	689467.1	526819.1	612600.5	TRUE
220941	237462.2	163976.6	172296.3	237015.7	182319	270665.7	207261.7	TRUE
1916034	1597373	2122511	2187807	1847256	1664611	1766802	1599563	TRUE
329091	306889.9	382152.7	348836.3	294171.1	329548	294351.5	321895.5	TRUE
873507.4	807424.3	782400.9	830059.5	943387.4	801688.8	847793.8	908518	TRUE
668429	663532.4	643581.3	715241.8	697612.4	676109.5	684470.2	724604.8	TRUE
787549.3	675110.5	762104.8	711901.5	845378.4	713452.5	793354.2	760099.2	TRUE
92572.6	90006.8	97154.3	125109.5	115730.4	121622.9	129163.6	90275.3	TRUE

30055	28320.3	25507.4	26281.8	8197.6	45849	29403.8	25741.9	TRUE
57923.7	42376.6	42730.6	38205.4	63812.2	61524.5	67984	54445.6	TRUE
61437.9	58887.9	100626.3	48510.5	48028.1	103787.8	72512.4	58965.4	TRUE
147885.2	133186.5	270042.8	166012.5	275076.6	286568.7	146643.7	107002	TRUE
55581.5	62451.6	55744	50974.2	71257.8	43696.2	72669.8	92800.8	TRUE
56119.2	59229.7	64666.6	62396.5	62444.2	107214	54110	92568	TRUE
412606.8	339653	541052.8	447423.4	402312.3	529696.2	347602.9	414234.8	TRUE
208853.6	184501.3	221930.7	205688.5	265142.1	219595.4	193850.1	235520	TRUE
47387.5	40909.5	60263.5	48529.3	64106.9	52843.3	42959.8	49397.3	TRUE
111547.3	103821.3	116531.9	94824.5	101556.2	111403.9	102325.4	97505.5	TRUE
71914.1	135234.7	133837.9	98383.9	109767.5	77856.7	63037.7	57664.2	TRUE
161637.7	203774.8	190425.8	165938.2	184542.9	146389.3	142052.8	155564.8	TRUE
106659.6	97752.6	78449.8	115927.1	98462.9	83812.3	119741.9	98062.7	TRUE
129813.2	92602.7	150505	151651.4	106074.8	184541.9	114711	126271	TRUE
287049.8	261759.2	263503.1	242725.8	252029.3	278278.5	244920.2	259709.1	TRUE
159411.5	131961.2	115445	119256	187705.5	128348.7	153294.9	180697.4	TRUE
413886.4	465725.1	392487.7	323612.2	544311.5	437105.4	399072.9	413718.7	TRUE
38304.5	28644.9	44631.6	34659.8	34229.5	41797.7	30176.7	44544.4	TRUE
103572.2	111609.5	105005.2	136660.5	99902.3	95165.9	97300.7	105336.1	TRUE
69469.6	61386.3	27363.2	48190.7	50881.3	36644.4	54214.4	47286.7	TRUE
96651	116608.9	49515.8	75233.2	84486.9	59121.6	81405.6	90143.4	TRUE
26870.5	21175	34866.1	35538.4	8745	30068.1	31181.7	32588.5	TRUE
72796.6	72395.2	85153.3	86003.5	66993.4	74928.6	78400.3	75288.4	TRUE
42728.4	34694.7	18479.8	32664.8	29097.9	31002.7	33725.7	47373.4	TRUE
29273.4	23797.5	17025.7	23645.9	17680.7	20513.8	25547.7	36779.7	TRUE
81753.6	70877.8	53128.9	63744.1	37345.7	55867.1	57399.5	32984.3	TRUE
537216.2	672942	301778	519132.3	633512.3	328621.2	653033.9	625969.8	TRUE
627646.3	678439.9	668903.1	682134.8	399590.5	596446.8	669721.9	632502.2	TRUE
76943.4	73854.6	61267.9	57637.9	58408.5	65554.3	92972.1	98969.1	TRUE
151902.6	141237.8	163059.3	136056.5	135779.7	133145.2	160146.6	121379.7	TRUE
1215072	1403667	971513.8	1275971	1354018	976197.4	1510111	1307459	TRUE
147676.3	140401.1	157070.9	149029.4	158266.5	143487.3	141880.7	152252.4	TRUE
48873.3	41993.3	40619.8	46862.1	33785.7	66759.7	52114	35726.4	TRUE
135737.5	82002.2	127061.9	156799	133177.9	111190.1	100112.3	132851.8	TRUE
34279	40371.9	39859	41828.8	33890.1	36867.8	43516.7	30016.5	TRUE
46572	52004.8	53161.3	64622.4	68767.7	39365.2	31727.1	34397.4	TRUE
259656.9	286278.1	289466.1	202828.6	196153.1	270250.2	287334	193331.4	TRUE
433606.8	337201.5	510759	530155.7	401703.2	440021.4	383857.7	410900.5	TRUE

1295024	1059485	1572496	1617382	1150109	1328837	1071675	1412416	TRUE
762273.6	643695	763892.6	878609	780140.8	672833.1	670542.5	685531.1	TRUE
724160.1	905867.8	809480.4	951053.7	514338.5	636681.8	812706	655383.6	TRUE
403133	415508.6	325813.5	415395.9	408106.2	348410.8	439822.1	385999.1	TRUE
180311.5	165350.7	206865.8	201480.2	174983.8	208720.6	197439.6	175998.4	TRUE
66550.3	67504.7	64021.5	67569.1	39739.4	56627.9	80547.9	61129.3	TRUE
158953.7	214626.6	136957.6	145534.5	142300.1	159111.1	221471.3	156242.4	TRUE
122768.1	153160	140231.6	114211	77353.5	171847	163618.4	100949.4	TRUE
297342.6	351150.2	251944.8	283854.1	312258.1	272804.7	365645.4	349396.3	TRUE
49776.5	34535.3	63329	47694.2	46994.6	70152.6	50833.7	54801.6	TRUE
89410.8	80240.9	105406.5	87597.9	63856.7	118938	82840	68093.6	TRUE
64060.4	43059.4	57802.6	48414.2	41478.7	78446.2	64624.5	63739	TRUE
142754.6	123211.8	131210.7	139845.2	142122.3	128954	122867	132934.4	TRUE
27623.8	24427.3	12992	29616	27319.3	21421.6	24976.6	37594.6	TRUE
60754.1	50786.2	63499	54551.1	38872	61796	63092	62560.2	TRUE
439896.8	401392	400693.7	481701.6	398743.2	407142.6	454937.9	418650.2	TRUE
338222.8	358467.4	302712.5	327011.9	348828.7	280783.9	343445.1	331998.1	TRUE
227132.5	238301.6	265017.9	256238.1	202211.3	244103.3	240842	242665.4	TRUE
24592	23216.4	18309	36115.8	26393.6	18158.2	7767.4	21723.5	TRUE
28710.4	37878.2	42023.4	31116.1	29156	39590.5	57626.1	23890.3	TRUE
28382.2	18816.7	47238.6	22816	30208.6	54793.7	11988.8	21894.1	TRUE
230888	223011.9	317055.3	194432.5	195130.7	322302.8	246979.8	191514.8	TRUE
21225.4	6607.2	18526.6	31235	8324.2	6789.2	30816.3	14624	TRUE
42351.6	71222.8	42224.3	48372.6	43596.6	52173.7	62306.7	39090.5	TRUE
120230.3	69034.4	66070.5	51345.9	49615.2	63643.5	100601.1	37952.3	TRUE
90975.6	70725.8	87445.2	78753.9	76306.8	81435.5	92552.4	71843.3	TRUE
273124.1	190767.3	240994.9	308191	217443	268967.8	214309.8	247349.8	TRUE
32650.6	25747.9	36105.2	33949.1	29872.8	38799.2	28110.1	33099	TRUE
89385.1	98654.8	104187	114994.1	91237.8	114965.6	80303.3	113223.1	TRUE
23095.5	9577.9	27296.7	37621.1	21980	33403.3	26611.3	24234.3	TRUE
42467.7	59992.9	43218.9	42127.1	56052.9	48556.9	47046.8	41441.9	TRUE
223298.5	205951.5	239701.7	232626.7	195733.8	226897.5	230238.6	197034.1	TRUE
53410.6	56003.7	43256.1	50514	37908.3	43102	49729.5	53408.2	TRUE
43259.2	31202.9	47643.9	41679.1	34455.5	40655.1	39600.8	52145.7	TRUE
65141.3	58991.7	74934.9	66643.5	62709.6	68501.8	62421	71240.9	TRUE
1603176	1406421	1421653	1562862	2019164	1441318	1540864	1469254	TRUE

217871.3	140743.3	162960.3	200237.3	212989.7	173061	204269.6	230270.1	TRUE
86059.1	116035.9	73630.4	129531.2	97635.8	108064.7	111784.2	98688	TRUE
127727.5	103032.7	394533.4	78154.1	40747.4	451217.2	89081.9	65348.6	TRUE
38720.8	18481.3	13540.5	6896	74402	22257.8	19065.8	26151.4	TRUE
125822.8	104661.3	314896.7	113608.9	89445.3	330501.9	121846.4	149981.8	TRUE
345516.5	198663.1	261665	204786.9	778556	242850.2	206359.9	231130.4	TRUE
349459.7	249168.5	361538.2	343918.3	660758.6	302087.2	253956.6	334767	TRUE
114616.5	111087.4	63609.1	87000.8	88483.4	110400.4	151505.2	161956.6	TRUE
358853.4	505156	288592	269536.4	324592.7	274510.3	490773.2	355822.8	TRUE
190438.9	221425.7	140825.7	195351.8	205622.7	148827.5	232065.4	225450.2	TRUE
156377.2	138491.9	239789.4	208369.9	137821.2	130217.6	146379.9	132451.4	TRUE
83925.2	141717.6	81158.3	68938.7	76185.4	78306.3	113993.1	85745.7	TRUE
162992.5	136824.6	150619.4	185219.1	170351.3	214437.6	188608.9	201365.8	TRUE
28552.7	22715.1	50559.4	21245.6	36287.1	30343.3	22504.8	23114.3	TRUE
201523.5	187212.9	234225	237458.9	204807.2	264592.7	213297.3	235094	TRUE
106017.3	99873.4	96243.8	123020.6	129765.7	115888.1	110419.5	121254.5	TRUE
53513.9	62877.6	72688.9	61039.1	44104.3	80663.5	47223.2	38724.6	TRUE
78444.6	85469.9	78051.1	96147.1	91288.5	83504.6	95755.2	93349.3	TRUE
63127.2	75522.5	71696.9	68728.5	82448.8	70239.5	67915.2	65695.2	TRUE
99207.8	93194.6	77144.2	58733	95368.7	89711.5	111493	90905.4	TRUE
135602.2	127664.8	126643.7	148883.8	137702	130942.3	153333.8	142845	TRUE
466468	435184.4	318562.8	420519.4	421662.3	328093.7	393472.9	505123.5	TRUE
175046	137609.4	156793.1	170981.9	126125.4	176706.4	149463.3	146769.8	TRUE
65884.6	55152.8	53210.6	60102.8	69251.9	89002.3	74289	97858.3	TRUE
41996.1	41201.6	66980.8	42045.3	39623.4	39343.4	34800.8	33725.5	TRUE
24269.5	22792.9	27103	19518.7	13559	29998.6	29173.5	8092.9	TRUE
24879	18445	25181.4	24886.1	13814.1	28722.2	32186.3	19837.1	TRUE
349524.6	272823.9	320442.1	401995.8	432261.2	391989.9	293810.5	365763.7	TRUE
152565	134563.4	213571.8	175968.3	151803.7	135703.1	141717.9	158917.9	TRUE
143915.9	139878.9	183683.3	148147.1	140913.6	165690.5	143760	156813.1	TRUE
311838.8	337130.8	379452.3	342543.4	309484.3	359371.3	328039.2	285789.6	TRUE
59460.7	73623.9	83107	69749.6	76827.3	84918.7	73494.2	69781.6	TRUE
47905.9	66101.5	70101.5	57323.5	68151.1	77035.8	71443.6	66791.2	TRUE
57182.1	47549.2	41913.6	43546.5	37533	44813.6	51227	45362.1	TRUE
343389.7	252032.2	356096.4	293198.7	344941	351133.7	263339.2	357971.1	TRUE
48711.4	28456.3	23883.7	31540.5	29313.7	35516.7	45211.9	35621.8	TRUE
122260.2	95930.6	113115.8	139552.3	111091.8	157504.8	140751.7	142221.4	TRUE
158985	137256.1	145784	210246.9	182323.1	162359	151553.6	161516.6	TRUE
210109.1	194997.8	237006.1	225784.9	215757.8	233391.4	197123.9	227150.5	TRUE
77887.9	67491.7	60075.6	78349	70253	71133.2	72693.1	71114.4	TRUE
79001.1	49690.1	77886.2	77432.9	69246.1	66769	68386.3	60353.9	TRUE
8722.4	5617	26160.9	7283.3	5827.8	26147.4	10120.8	8187.7	TRUE

197463.4	179953.8	261110.4	181620.3	161098.6	267769.1	177806.3	166517.8	TRUE
67512.4	45257.1	60733.1	53365.9	49869.3	84546.2	66550.4	68767.2	TRUE
151157.1	108580.3	119548	69877	133590.1	122430.4	105336.6	177330	TRUE
78106.9	102547.3	58194.9	74645.6	99621.8	79115.1	101444.5	91150.2	TRUE
73826.5	56757.9	94396.3	79208.7	64654.3	88198.1	51416.7	63914.8	TRUE
48128.7	23367.7	39496.9	53815.7	30442.7	62368.1	30827.8	38628.9	TRUE
198920.5	168131.5	227181.4	241649.6	176149.5	238685.3	201757.4	191370.1	TRUE
78845.7	63991.8	87829.6	88293.9	66945.6	101775.8	76747.3	62984.7	TRUE
161378.3	198072.4	144279.3	125606.8	178237.6	155589.5	180254.7	166622.3	TRUE
22078.3	21787.1	20212.9	7326.4	25197.3	17996.7	22757.6	22760.3	TRUE
419027.8	404762.2	361146	414250.8	304714.9	459050	563038	473269	TRUE
152019.5	149957	146051.6	158930.8	162713.6	147321.4	156870.1	149109.5	TRUE
143691.1	163885.9	134242.7	140530.9	127493.3	157341.5	167622.4	129204	TRUE
32083.3	35461.2	29520.5	33455	30943.1	29668.3	26683.7	30808.5	TRUE
315272	236593.6	377520.5	332373.1	296971.6	304077.7	243610.7	322178.3	TRUE
130049.9	155046.3	130545.7	173751.9	155036.5	142306.8	170254.8	160211.9	TRUE
28334.5	28682.2	37260.3	25107.3	33589.4	20405.3	37940.7	30171.8	TRUE
61851.8	75524.3	81002.2	65109	71403.9	71085.1	89412.1	77266.5	TRUE
29635.7	34742.3	44735.6	53551.7	37060.5	43770.5	43819.3	35282.5	TRUE
332063.2	212315.8	358289.5	346604.1	345574.2	250058.4	464756.7	317010.4	TRUE
47605.4	44103.5	36260.8	37344.3	56522.2	35937	43391.7	34325.1	TRUE
59171	58683.1	61230.1	48388.3	69759.8	49146.6	61397.6	61375	TRUE
58208.9	50444.3	50397.8	61458.2	39632	84394.1	77959.4	55397.8	TRUE
104468	88109.3	111705.2	115943.5	148380.7	115557.9	87491.5	102873.7	TRUE
102136.6	96012.5	109607.6	90619.6	87851.1	133042.2	91342.8	99954.6	TRUE
229678.8	196906.3	245603.3	252376	251357.7	192380.6	206546.3	226865.8	TRUE
42728.4	34694.7	18479.8	32664.8	29097.9	31002.7	33725.7	47373.4	TRUE
29273.4	23797.5	17025.7	23645.9	17680.7	20513.8	25547.7	36779.7	TRUE
129727.5	150699.2	129670.2	138011.5	119028.6	175883.9	183613.3	147880.1	TRUE
556571	939076.3	479458.7	437627.5	320489.8	497103.8	955950.6	323641.2	TRUE
245074.7	162035.1	399172.9	364816.7	223955.5	222018	183287.5	210107.2	TRUE
53291.7	48160.2	76186.5	56606.2	38369.1	48669.8	48159.4	29578.9	TRUE
98611.3	120877.8	60646.7	70126.8	89824	62242.5	123688	91313.4	TRUE
47888.3	86822.7	39876.6	36983.9	45735.8	32364.6	74150.4	55202.7	TRUE
137661.1	141867.3	182401.6	256221.5	96478.1	130048.9	133533.5	115240.4	TRUE
384857	497949.4	250308.6	267932.4	346404.4	208415.7	521042.5	326117	TRUE
465518.5	580505.4	355960.5	423598.1	561681.3	365759.3	593622.8	449724.1	TRUE
116313.4	154454.1	83114.5	116875.5	76594.5	88220.9	169070.4	86245.5	TRUE
142172.3	100224.1	206737.8	244921.8	125329.9	139711.3	118288.1	145888	TRUE

26163.5	56161.8	23869.3	27118	28058.4	17294.8	48917.8	26154.2	TRUE
218132.3	138331.9	297385	358390	163325.2	209927	164429.5	229286.4	TRUE
116146.9	96532	65585.9	73217.5	69549.4	90057.4	119576.5	93818.9	TRUE
74315.2	56577.9	84536.3	84524.2	45312.3	64601.6	61420.3	61413.3	TRUE
69335.8	95040.5	30525.8	53886.3	58635.9	48448.6	98477.1	76682.4	TRUE
414211.3	318385.5	458877.3	555315.2	346918.7	339089	349627.4	395271.1	TRUE
275117.4	329333.3	230542.9	266479.7	238260.4	218556.5	279668.4	244325	TRUE
416057.1	351309.5	425303.5	422954.7	356563.2	386965.6	393544.4	380436	TRUE
50448	63236.1	51856.9	57602.2	51815.1	45226.3	86410	66529.5	TRUE
27144.8	27832.8	9361.1	30967.4	34460	7535.2	33382.4	40391.3	TRUE
37450.1	19894.8	29664.2	33383.6	38453.2	36504.8	35765.8	38347.9	TRUE
1586663	1551006	1410553	1416895	1510234	1687599	1467247	1615547	TRUE
55248.4	56931.7	111163.8	63683.9	56928.5	58496.4	66938.9	56340.1	TRUE
262320.2	211767.3	139678	150975.1	185114.9	157802.5	257460.8	186404.5	TRUE
169403.2	162239	139435	177270.4	157624.9	206225.6	169329.7	148762.8	TRUE
107214.3	85734.2	93570.5	115926.1	133147.6	107211.8	92526	104544.8	TRUE
313802.7	247694.9	306476.3	280453.4	474108.9	316179.8	240593.1	332490.3	TRUE
29585.5	22513.2	38254.8	46525.1	38763.7	31442.1	37794.9	43694.8	TRUE
76327.8	62723	97721.2	70739	85875	50695.5	64993.3	58306.2	TRUE
220088.1	190037.4	307316.2	181021.2	109981.9	336861.8	219265.4	151096.9	TRUE
120495.7	110258.5	111534.3	111673.8	98136.8	120283.9	172218.8	137893.4	TRUE
153014.9	113776.8	191643.9	169978.5	104171	121124.1	115202.8	132821.4	TRUE
381029.2	298517.5	433188.9	469704.9	352810.4	385819.7	315800.9	386074.2	TRUE
123128.1	126334.3	129227.2	97094.2	162172.7	141380.5	116941.8	166369.8	TRUE
86975.4	72633.8	71741.5	54790.4	70003.2	68582.4	62340.3	82602.9	TRUE
19867.4	7675.3	15108.9	4227.3	23173.8	15456	7963.8	38064.4	TRUE
136053.7	130530.2	252498.3	268943.8	60985	83475.5	130463.4	74010.3	TRUE
143204.3	128966.4	280043	324674.9	45732.8	67955.4	133733.2	61446.1	TRUE
31182.2	45378.5	13268.3	20966	38020.2	16682.8	55221.8	38980.2	TRUE
142741.9	162502.8	167503.5	116797.8	139320.4	194761.4	148342.7	143250.2	TRUE
138166.3	107839.5	146291.8	143376.2	129011.8	202669.6	161448.6	118123.1	TRUE
416778	360276.6	415861.5	377877.9	451603.8	438952.5	376355.3	372627.7	TRUE
147298.1	129862	148689.6	120759.7	122609.8	129599.7	144099.5	106291.8	TRUE
7377.6	4516.4	7959.6	8519.3	6343.6	5390.3	5453.6	7084.2	TRUE
67671.8	76650.3	58829.9	64327.3	65480	77825.6	97698.7	89053.7	TRUE
169955.1	133972	140426.2	176452.2	139501.6	163508	172226.8	164494.4	TRUE
51770.1	34472.6	41699.1	44717.8	39457.8	43988.6	44377.2	57771.8	TRUE
81632.5	46004.4	92326.8	98199.1	100740.9	85141.2	64923.4	74795.1	TRUE
30042.9	23307.8	33797.5	30384.5	41662.5	39152.5	12326.7	39197.3	TRUE
26345.9	31112.7	18975.4	37159.5	25526.8	34250.1	31992.3	34478.3	TRUE

529455.8	466742.4	561360.5	556859	467026.4	521145.8	488890.4	493511.5	TRUE
115053.8	107973.1	93052.6	87507	84025.5	92914.7	79644.2	114516.2	TRUE
152172.9	191170.9	330018.2	186558.1	140499	181222	173479.2	190611.2	TRUE
532042.2	413866.5	495246.4	494484.4	475797.6	573779.8	457302.1	574244.5	TRUE
212627.5	200847.8	207351.9	201824.4	216857.7	213883.1	187950.5	239802.3	TRUE
58906.8	59311.6	56085.9	59925.4	49752	62940.7	54085.9	55190.9	TRUE
20833.3	21102	8113.8	12707.5	18838	17396.3	11385.5	8149.7	TRUE
124694.1	135908.5	115823.8	130016.4	119063.8	132968.5	133228.9	109883.8	TRUE
108534.8	108304	110053.6	125191.2	112183.2	107368.1	103558.6	106161.2	TRUE
49852.1	28013.9	36811.2	54156	45202	45981.5	53836.1	55225.2	TRUE
136377.1	130484.3	148696.8	114471.3	125162.2	140493.8	138403.6	138770.8	TRUE
163046.4	152662	120131	120675	112123.5	113135.9	162298.2	121366.6	TRUE
35894.8	31966.5	30742.3	52837.1	31624.8	33425	30589.1	21311	TRUE
71847.3	50090.8	67687.8	67083.3	59766.1	91801	59843.3	90728.9	TRUE
120372.7	112273.9	100859.7	148988.1	106263.3	97269.4	125446.1	92485.3	TRUE
84939.6	81427.1	71721.1	100280.7	80380.1	89350.6	98720.6	92991.1	TRUE
38028.4	44098.6	28248.3	42241.3	47998.2	37963.7	45169	40299.9	TRUE
209023.2	231529.2	206711.6	231517	205812.6	194527	207619.1	200215.4	TRUE
191100.7	206203.2	182545	169272.8	201183.2	183672.5	196731.5	203463.9	TRUE
107232.4	121027.4	76261.1	95841.1	87304.7	72328	134587.4	79502.2	TRUE
31315	11214.9	21543	16867.7	9140.5	36947.8	12564.5	19037.1	TRUE
56538.9	51084.9	63191.8	50821.2	47221.6	67223.7	62569.6	46441.6	TRUE
34867.6	23729.1	20152.9	22385.3	6980.9	20762.7	7424.8	16944.2	TRUE
573866	459854.8	614727.1	610964.5	857009.7	499618.4	604090.6	496209.8	TRUE
120542.3	115976.4	156383.8	97797	84502.5	181629.9	121208.7	72136.6	TRUE
181030.6	213905.3	202448.9	140215.7	144432	267601.9	193919.4	139132.4	TRUE
137966.3	118419.9	126200.4	118352.7	109837.5	187509.1	154845.6	137449.6	TRUE
341137.9	362217.3	287491.1	354751.6	297335.4	319263.5	306088.5	285466.7	TRUE
73974.7	66076	57708	60049.1	53719.6	57843.4	82021.5	61779	TRUE
159507.8	151195.3	131393.1	115708.6	108038.8	127661.8	156675.9	118348.6	TRUE
50332.3	45712.9	50498.9	60984.1	49927.7	53064.7	44881.1	45779	TRUE
218608.9	231408.2	244701.7	227902.9	237146.8	271341.1	246449.8	257759.7	TRUE
92875.5	96827.8	90839.7	102401.9	100999.3	99868.8	108055.4	83883.1	TRUE
89635.4	99622.4	104833.2	101086.6	112562.6	120775	121927.8	130739.4	TRUE
110224.9	100346.5	142412.5	110860	93459.3	176221.1	88838.5	83129.8	TRUE
51104.5	46992.6	78715.5	51638.2	49802.1	85309.7	60376.8	44018.9	TRUE
32362.4	20360.2	22233.2	37238.8	36817.5	35522.1	12210	32596	TRUE
56807.9	59299.2	49846.3	63090.3	54395.7	63862.3	63170.2	52022.5	TRUE
90235.2	98268.1	71275.2	77618.7	87045.1	78274.3	127965.8	87468.2	TRUE
196301.5	178665	108135.5	154880.6	131436.8	163733.5	218857	165737.5	TRUE
7451	24858.5	17294.6	8927.8	6007.1	19079.4	8617.4	9514.4	TRUE
24560.8	27776.6	33136.4	32611.8	38191.9	38732	41055.2	39168.3	TRUE
105662.5	93397.7	114827.5	150417.5	115329.2	122439.9	106743.4	119297.6	TRUE
465207.6	414545.2	443570.7	466181.8	441235.3	485490.8	546510.8	513799	TRUE

77968.1	64197.9	87414.7	77332.9	54864.1	94937.3	79058.2	53327.4	TRUE
104664.7	97413.7	136251.3	84531.9	116039.9	108952.5	108380.3	81973	TRUE
43214.2	30200.3	55513.9	32199	34144.6	49549	24348.8	27384.4	TRUE
232360	178671.3	247783	231883.3	211629.2	221482.8	196958.6	215265.7	TRUE
494461.1	430812.1	515136.7	544288.6	501720.4	484130.9	446098.1	528186.7	TRUE
106022.6	144557.5	112033.3	139545.2	116043.9	131537	124289.6	110379.2	TRUE
83900.8	93400.5	71726.3	82884.6	57870.4	92112.3	88758.7	74422	TRUE
13929.2	9775.8	14952.7	5551.2	8274.4	17109.1	6909.3	8937.2	TRUE
152683.2	175871	185924.5	172507.5	147879.8	185732.1	209484.7	184150.7	TRUE
178874.8	145286.9	181779.4	219887	175733.5	134717	129745.7	161543.7	TRUE
36414.5	32747.3	31269.7	38724.4	36851.8	40466.9	44423.3	39878.6	TRUE
64929	89470.1	42452.5	43672.6	49398.2	43591.5	88041.6	64533.5	TRUE
59231.6	40895.7	55410.9	81417.1	41662.6	52226.6	58450.6	58897.2	TRUE
134145	109048.2	194179.4	183656.3	124373.7	128483.7	95377.1	125210.8	TRUE
83851	80160.8	88834.1	95141.7	72443.9	87250.4	72946	69659.1	TRUE
78428.8	58194.7	81064.4	70939.3	67241.9	88545.5	60321.3	57832.1	TRUE
52075.8	47843.9	61882.5	54183.7	47170.5	65091	41919	56440.2	TRUE
101967.5	190176.8	107788.7	250345.4	123728.4	123752.1	134266.4	108732.3	TRUE
24363.1	21327.6	8463.5	13302.1	23327.3	15127.9	30048.6	33074.5	TRUE
269258.6	259986.7	296852.1	285112.3	266299.8	302436.5	310375.5	283031.6	TRUE
197780.6	216956.7	217590.9	271909.5	211205.3	259406.1	242300.9	221196	TRUE
170009.2	129838.1	161243.1	175949.6	136127.5	166654.9	148069.5	147552.8	TRUE
309080.7	255813.6	265413.3	290415.8	238379.9	299815.1	309804.6	242644	TRUE
246623.1	280446.2	205122.4	245016.3	216148.7	212705.7	266487.4	191739.8	TRUE
48074.9	59840	47600.2	44642.6	64457.1	27982.5	41775.6	45292.5	TRUE
165573.2	244401.6	128247	146225.7	166098.1	139309.4	268179.6	176312.4	TRUE
282298.7	246184.4	251115.5	310505.9	243189	246129.2	273017	252953.8	TRUE
629570.1	588995.7	752854.8	721357.1	701350.1	566549.9	595753.5	604655.2	TRUE
119708.5	87731.8	80309.1	99192.7	93145.8	117633.2	116669.8	129958.9	TRUE
55024.6	62933.2	67420.2	57841.6	60596.3	71106.3	47798.3	74396.7	TRUE
83910.6	79579.7	95063.2	96349.8	88256.1	89079.6	90318.7	109762.2	TRUE
108110.6	122103	132258.9	76182.7	98117.8	106940.6	109911.9	94908.2	TRUE
390383.5	421525.9	379708.9	464932.2	484419.9	441850.9	487804.3	475024.1	TRUE
215425.2	262477.7	251269.9	258035	245621.6	229975.7	354537.7	248522.3	TRUE
43131.5	41112.1	35808.2	45865.6	41123.8	47274.5	50731.7	47131.5	TRUE
21571.5	22513.4	19902.4	11299.2	26740.5	16268.4	23958.9	24101.1	TRUE
29025	22942.2	34332.5	24141.7	17592.4	22286.8	23260.5	25234.5	TRUE
171310.6	139617	158523.7	149312.6	135065.7	187836.5	159167.1	140740.7	TRUE
54446.5	66452.3	55197.1	80475.1	78830.4	49606.2	64334.5	63897.6	TRUE
46352.1	46757.2	34539.3	41897.4	37030.6	43126.5	45750.2	48389.8	TRUE

34935.6	43066.5	27433.8	30891.4	37741.5	30299.1	28709.8	37802	TRUE
16194.2	8944.5	15951.6	9754.8	19699.8	6817.7	24537.6	10242.8	TRUE
101985.8	149449.8	81148.1	90630.5	112534.9	101348.8	109839.3	104916.3	TRUE
395164.6	351393.7	369138.7	323461.6	427123.1	398240.3	303851.4	392699	TRUE
86612.3	56117.3	68596.1	81998.4	56484.9	79284.7	78743.7	74854.5	TRUE
225556.2	208289.4	260170.5	255900.9	269348.5	281434	204163	270307.8	TRUE
16980.2	21369.7	32568.2	13583.2	21147.8	22914.2	23909.9	25268.3	TRUE
69668.1	75283.6	80830.3	92948.6	63276.4	77890.1	74263.9	58801.2	TRUE
101568.6	73162.8	81115.6	100667	116183.6	122127.1	100261	127069.3	TRUE
155936.8	152399.1	229450.2	261964.1	264954.5	270629.1	229481	273537.5	TRUE
110879.1	85647	176575.3	192156	159809.8	187972.3	145106.2	173652.1	TRUE
105558.1	92737.9	114198.5	152430.3	138436.5	147721.5	134194	166621.9	TRUE
174076.7	142625.2	212993.3	223806	233729.1	180604.8	220654	232426.2	TRUE
12966.6	13686.5	53786.9	13447.8	42247.5	32394.2	30155	39079	TRUE
157705.2	130296.4	140244	151189.9	151337.8	143348.8	147280.6	166503.8	TRUE
89748	93531.3	96764.6	93355.8	104900.1	89742.3	88885.2	110761.7	TRUE
79970	100105.4	111197.4	134864.6	109912.9	95263.6	74731.4	87898.6	TRUE
93484.5	106368.8	59931.6	80464.9	69165.1	90593.6	117425.1	102379.7	TRUE
75046.9	56441.5	59389.1	60239.3	67634.2	64454.1	63650.6	69638	TRUE
43536.6	12697.7	33340.4	43245.6	40239.5	39257.6	52818.6	57393.9	TRUE
134790.7	119331.9	106600.8	153292.2	107645.4	144662.8	152067.3	155003.9	TRUE
67646.2	60170	54877.9	58759.9	70042.9	76147.2	82681.6	80798.8	TRUE
43255.9	151967	69617.4	94110.3	121244.5	10159.7	11854.9	37246.8	TRUE
75366.1	72802.2	73275.3	82702.6	78009	70056.9	97457.7	97348.4	TRUE
30144.1	7750.9	10917.6	37237.4	19659.2	46011.3	12040.1	42055.3	TRUE
150512.1	147892.6	238642.1	178782.8	132515	229766.8	151469.8	205471.9	TRUE
108929.7	87015.3	90190.2	112303.6	83832.3	125612.6	147669.7	142390.4	TRUE

325000.8	259282.6	245215	284486	235544.9	387054.4	315189.3	371109.8	TRUE
2281556	2301458	2000942	2172066	2242626	2336943	2337824	2507580	TRUE
892136.3	821359.5	803839.1	1049084	1047060	783882	875183.9	941277.2	TRUE
457224.9	417785.9	387859	529727.9	504470.4	413393.9	432152.1	481278.1	TRUE
264575	251191.4	263223.8	366053.3	339027.9	286654.6	291880.2	303285	TRUE
33043.8	71017.6	44659.6	69384.1	79890.7	16674.3	28341.3	24928.2	TRUE
108648.5	195616.9	107913	195892.8	201671.4	90073	93914.1	76268	TRUE
75070.9	81011.3	73953.1	69395.1	68149.1	65804.2	75006.2	82763.7	TRUE
411496.3	394063.6	349998.5	358177.6	358815.9	439091.8	408064.2	407196.9	TRUE
1393059	1373816	1353618	1331775	1245154	1467034	1478266	1464939	TRUE
64942.4	57980.4	47562.5	65593.7	62634.2	74911.5	77980.9	73714.6	TRUE
36672.3	55050.4	46062.2	49100.4	40166.4	64637.9	49604.1	49130.8	TRUE
69034.3	75538.1	72959.8	96556.4	69503.8	89660.1	83697.9	79143.9	TRUE
46558.9	51717.7	46445.3	64039	47208.7	58684.5	52947.6	55782.3	TRUE
57846.5	71915.9	54683.9	74082.2	69808.7	56071.9	63094.2	56602.8	TRUE
59132.8	55484.7	56126.3	56837.7	50972.5	53284.2	66033.8	57673.4	TRUE
65154.7	62515.8	66634.7	64231.5	63332.2	72156.6	69083.4	58506.3	TRUE
80369.5	85323.4	63868.5	83918.7	73077.5	103165.3	98535.9	87934.4	TRUE
1001004	795356.2	895628.3	1125189	1009633	976450.8	846623.3	1001458	TRUE
29713.8	53155.9	48535.8	53425.2	48874.3	19922	10430.9	24968.5	TRUE
36000.3	33837.7	28698.3	33311.4	37016.1	29930.6	30608.9	27337.5	TRUE
557017.5	510088.9	432824.8	487913	494739.7	537492.6	558757.2	617964.1	TRUE
61280	50610.7	45975.6	63909.2	43586	63585.5	59296.5	71486.9	TRUE
71371.6	58092.2	80575.8	90565.8	73219.9	82355.9	63667.1	81188.7	TRUE
76733.5	74301	109814.1	111763.8	99488.4	98682.8	90173.6	93760.3	TRUE
260483.6	215960.6	314645.9	342379	285725.9	302276.4	256678	263735.9	TRUE
55858.1	73387.3	73861.6	50180.8	61445.6	58146.5	54721	54508.3	TRUE
56880.6	41765.1	57736	70508.3	46691.6	39809.4	39056.8	32018.4	TRUE
36162.6	41171.2	55279.4	53830.5	53057.2	43338.7	59301.2	33456.6	TRUE
396739.6	364886.9	349453.2	364058	465234.3	512647.3	396396.7	502041	TRUE
995455.7	897385.9	776801.2	775290.1	1174155	1113983	1000322	1074859	TRUE
54577.1	57562.5	24546.7	50055.6	50476.3	60898.6	48270.6	48758	TRUE
85618.6	140356.7	173735.1	121926.2	134532.4	72300	114482	85533.9	TRUE
44740.8	68778.1	59416.5	63112.7	98527.3	41312.9	43181.3	42423	TRUE
77003.8	126395.3	101643.7	102996.6	144886.7	71859.5	74464.4	74639.7	TRUE
208621.1	168257.6	223505.3	270602.6	172487	215148.7	130563.1	180750.8	TRUE
98118.9	79143.4	108447.4	140775.6	99973.3	112715.9	72017.2	104920	TRUE
132702.3	150638.2	111663.2	96768.3	100949.5	113866	111771.8	127377.4	TRUE
114139.6	99687.4	105150.8	103100.2	119210.1	143340.3	98019.5	170684	TRUE
72766.6	68187	95631.8	110270.9	79051.4	113098.8	79499.3	67456.4	TRUE
712878.5	263614.3	418440.3	459339.6	1028779	951707.5	320740.9	915202.6	TRUE
113319	56878.8	83120	96748.9	169257.4	140939.2	71273.4	144457.5	TRUE
36346.1	53620.8	52573.5	58256.7	56802.5	52352.8	34829.8	41640.3	TRUE
603865.4	333184.9	1214461	855624.3	323250.8	1465818	579581.2	400673.8	TRUE
133195.8	103560.3	92804.9	83687.1	164559.2	165704.2	100834	143982.6	TRUE

462024.2	204076.3	364790.2	346745.7	738946.2	524452.9	243981.2	547520.6	TRUE
38619.3	7830.5	30814.4	56052	3109.6	64702.8	14154.7	16864.2	TRUE
122982.8	87070	150691.5	117808.4	79866	168181.7	86020.3	71070.9	TRUE
230455.7	177613	238123.3	240767.2	172787	368604.5	223676.6	207114.4	TRUE
220825.1	168926.3	207355.5	241000.5	156823.4	309353.1	216568	205040.9	TRUE
526054.3	288103.3	680128.8	580652.4	188739.8	763004.7	351282.6	237133.3	TRUE
613979.7	226131.8	307824.8	368460.4	909267.1	807222.5	309772.3	852393.5	TRUE
513143.6	314980.1	384200	388615	649300.7	620288	367988	587189	TRUE
343232.2	121878.4	143374.9	156897	540236.9	357935.9	152034.8	314689.4	TRUE
155377.8	136440.5	183533.2	145693.7	166850.6	168657	158111.1	155536.7	TRUE
53206.3	50632.6	48690.8	47719.1	55197.4	51613.3	44476.2	62016.2	TRUE
61236.2	76995	79228.2	71346.3	76157.7	48957.9	47461.2	58889	TRUE
177009.7	194529.5	241546.4	244991.7	225093.7	230128.5	251949.6	228865.4	TRUE
21309	9256.6	20090.9	11434.5	8509.9	16086.8	8706.2	18902.6	TRUE
29712.6	42399.6	30140	47569.6	36172.3	31886.4	38837.3	21407.8	TRUE
212872.5	153987.7	215036	252245.1	174078.5	239591.4	168793.8	170929.1	TRUE
71371.6	58092.2	80575.8	90565.8	73219.9	82355.9	63667.1	81188.7	TRUE
76733.5	74301	109814.1	111763.8	99488.4	98682.8	90173.6	93760.3	TRUE
260483.6	215960.6	314645.9	342379	285725.9	302276.4	256678	263735.9	TRUE
55858.1	73387.3	73861.6	50180.8	61445.6	58146.5	54721	54508.3	TRUE
56880.6	41765.1	57736	70508.3	46691.6	39809.4	39056.8	32018.4	TRUE
36162.6	41171.2	55279.4	53830.5	53057.2	43338.7	59301.2	33456.6	TRUE
396739.6	364886.9	349453.2	364058	465234.3	512647.3	396396.7	502041	TRUE
995455.7	897385.9	776801.2	775290.1	1174155	1113983	1000322	1074859	TRUE
54577.1	57562.5	24546.7	50055.6	50476.3	60898.6	48270.6	48758	TRUE
85618.6	140356.7	173735.1	121926.2	134532.4	72300	114482	85533.9	TRUE
44740.8	68778.1	59416.5	63112.7	98527.3	41312.9	43181.3	42423	TRUE
77003.8	126395.3	101643.7	102996.6	144886.7	71859.5	74464.4	74639.7	TRUE
63726.4	86583.7	45693.3	51728.4	59792.7	52573.4	57017.2	57409.6	TRUE
164988.8	154868.1	171366.9	183184.7	220797.7	158886.8	197140.9	201568.3	TRUE
257996.5	256496.7	242472.3	258051.9	241463.7	261722	246457.9	253630.5	TRUE
97987.7	103729.8	100114.6	102492.1	79977.1	95881.1	116181.6	92237.3	TRUE
56713.4	58377.9	47917.8	49562.3	47550	52581.2	68905.8	49649.9	TRUE
140919.7	162249.4	124866.3	147775.6	132030.9	139676.8	169116.1	124466.7	TRUE
25241.3	10155.6	36656.3	34710.7	23918	30307.8	15661.3	25854.7	TRUE
123463.4	137455.4	119056.3	129517.1	146737.6	126183.7	163305	139209.5	TRUE

88817.1	83507.9	145087.4	61686	78196.8	84265.7	85036	83057.7	TRUE
633439.9	670491.2	636717.3	449052.4	391382.7	453053.1	491413.8	331824.7	TRUE
136717.2	109687.4	103375	129104.4	100999.9	152607.4	151539.2	124876.3	TRUE
91237.2	115015.8	100863.2	81845	82044.1	63364.9	72507.9	53547.3	TRUE
53369	106145.4	60425.1	83367.4	79593.6	34228.6	33935.8	42847.7	TRUE
1859620	1510225	1951801	1835333	1946259	1742350	1409830	1716970	TRUE
70896.1	80921	73480.4	71204.9	54708.4	64138	80779	55393.6	TRUE
58821.3	50019.6	58317.4	62470.8	57974.3	51747.8	56704.1	58137.7	TRUE
86240.5	86037.3	97884.6	98193.2	101441.9	124158.5	122731.1	115804.8	TRUE
56992.9	73148.1	72610.6	50633.8	61726.7	69451.2	63893	43001.6	TRUE
99069.4	114587.1	113522.3	114123.6	97305.8	98249.5	112714.2	88548.1	TRUE
119063	95146.5	98320.3	113749.5	83124.6	118990.5	107039.3	108702.9	TRUE
163387.9	143703.7	124913.8	170360.2	186646.7	151188.2	162412.5	167861.6	TRUE
172877.5	147197.1	136029.1	169428	165740.3	134626.1	131259.8	165484.9	TRUE
248676.6	270050.8	253981	284477.4	277962.7	273694.5	241225.5	261349.1	TRUE
266347.9	274802.1	233988	272081	270654.7	318068.9	296714.7	308435.4	TRUE
37881.9	19488.2	29929	11214.5	25820.5	30024.3	29364.6	25280.3	TRUE
184070.7	179040	165935	155437.7	154619.9	167593.3	194910.9	221312.6	TRUE
35627.2	12095.2	6364.6	31320.4	10605.7	20883.5	16873.2	16566.3	TRUE
142746.9	105078.1	115516.8	113779.5	100785.4	131346.4	126319.4	143453	TRUE
52123.9	39796	32891.2	15438.1	38760.1	55263.2	35018.6	39207.7	TRUE
91963.9	86985.4	102625.8	92890.8	76769.1	95340.2	100114.5	98239.5	TRUE
48138.1	48824.3	53497.1	43521.8	48737.4	42501.2	46392	48654.5	TRUE
368042.1	255868.7	288961.4	355274.5	290693.7	306134.2	328774.4	279813.1	TRUE
91632	126665.8	112988.9	129897.9	124242.1	117240.2	97500.2	99345.4	TRUE
55215	41160.5	57244.7	37082.8	45859.7	53524	53519.1	53798.7	TRUE
366592.9	305229.2	388425.9	341257.6	346541.3	416493	342958.4	372169.3	TRUE
119873.6	115711.6	116422.4	133001.9	227461.2	104734.5	92240.8	111441.6	TRUE
813558.3	697816.8	735056.3	845892.3	1049484	793980	675271.7	801517.5	TRUE
125949.8	103374	207501	105205.4	99085.2	209777.8	108102.4	97522.3	TRUE
120841.9	124493.7	188286.4	91053.1	88432.4	210313.3	135442.7	104484.1	TRUE
16102.2	8875.8	17370.9	6997	18457.3	21149.6	8547.5	17264	TRUE
64767.4	45638.3	60060	49730.1	101973.2	51766.9	54841.9	45919.2	TRUE
228983.7	180699.7	272228.5	224847.2	474897	216883.2	211123	211054.6	TRUE
14757.6	5885.5	7653.2	5282.7	19838.5	6539.2	7715	8412.7	TRUE
28283.9	8694.5	11570.1	10561	34614.6	29532.3	9557.5	25162.1	TRUE
212154.4	162078.3	225640	163985.9	97834.9	249875.4	155014	129477.4	TRUE
93554	78568.2	132635.6	86449.3	86730.6	158034.8	62999.5	61850.8	TRUE
148580.3	104042.6	139380.8	156032.4	312518.2	128395.5	106714.5	124316.2	TRUE
157161.3	117172.9	209252.4	209966.6	179809	236782.2	134580.2	193168.7	TRUE
114834.9	115619.2	96520.9	84513	149462.3	155656.3	121676.2	117590	TRUE
131630.4	27076.1	118418.5	65454.8	210281.6	186123.4	40372	303823	TRUE
148770.7	121804	249804.5	193915.1	204140.2	317440	69052.9	202252.6	TRUE
168592.8	231962.5	173485	195404	349398.8	189395.9	154641.7	171726.9	TRUE
59988.1	58759.4	32357.7	52846.5	121359.5	100219.3	60692.7	77063.9	TRUE
84090.9	65062.1	146031.1	90955.7	97310.6	135924	58994.2	83538.4	TRUE

127532.1	67858.5	177466.6	112918.7	86001.8	268946.9	79773.8	112266.5	TRUE
276531.7	223180.9	72927.4	62949.7	616533.7	327866.2	255356.5	297763.1	TRUE
122341.4	78477.9	69160.1	71915.8	174888.1	141809.2	111049	139124.3	TRUE
73349.9	47257.6	38274.2	49988.6	101149.5	95293.1	56449.9	102055.5	TRUE
95449.8	74559.5	189951.1	81168.2	70603.3	207099.8	108805.2	85778	TRUE
196160.5	233208.4	204400.4	206812.7	235090.9	338518.8	314439.6	266266	TRUE
45148.3	53605.4	83880.5	50272.2	47918.3	39749	53294.7	34715.8	TRUE
66665.2	52282.6	76088.7	69325.2	87171.1	56238.6	67714.4	58170.3	TRUE
141756.9	131606.7	158333.6	149269.7	154521.8	164144.9	148875.3	176637.5	TRUE
23423.4	24318.9	34148.3	31814.7	21914.5	27499.1	23640.7	22201.8	TRUE
27701.6	27094.1	43919.3	29651	22746.6	36359	39654.1	32165.2	TRUE
42692.8	30973	32986.3	41459.7	50957.8	28606.4	37686.9	29888.3	TRUE
54543.1	68574.1	76649.5	53736	43591	72063.3	52522.2	67799.3	TRUE
125949.8	103374	207501	105205.4	99085.2	209777.8	108102.4	97522.3	TRUE
120841.9	124493.7	188286.4	91053.1	88432.4	210313.3	135442.7	104484.1	TRUE
16102.2	8875.8	17370.9	6997	18457.3	21149.6	8547.5	17264	TRUE
64767.4	45638.3	60060	49730.1	101973.2	51766.9	54841.9	45919.2	TRUE
228983.7	180699.7	272228.5	224847.2	474897	216883.2	211123	211054.6	TRUE
14757.6	5885.5	7653.2	5282.7	19838.5	6539.2	7715	8412.7	TRUE
28283.9	8694.5	11570.1	10561	34614.6	29532.3	9557.5	25162.1	TRUE
212154.4	162078.3	225640	163985.9	97834.9	249875.4	155014	129477.4	TRUE
93554	78568.2	132635.6	86449.3	86730.6	158034.8	62999.5	61850.8	TRUE
148580.3	104042.6	139380.8	156032.4	312518.2	128395.5	106714.5	124316.2	TRUE
314811.9	283975.7	311622.9	275236.7	322709.8	325494.3	336302.2	319776	TRUE
66083.7	65789.8	71358.6	99883.1	69442.3	78576.5	70169.9	61835	TRUE
35924.4	31770.5	29082.8	31919.1	33519.3	26852.5	40473.3	25297.1	TRUE
75818	62889.9	58366.7	65742.8	60914.5	59850.8	67979.2	58937.4	TRUE
14522.8	21949.6	22068.8	9299	16931.4	23163.1	12078.2	11162.5	TRUE
650274.1	603657.5	658553.4	530368.9	636097.9	609608.9	689566.7	587785.4	TRUE
42458.5	38334.1	45294.6	35184.5	45399.5	41676.1	41816.3	38227.8	TRUE
37574.8	39282.8	27450.6	37211.6	28042.1	33455.6	26032	37678.8	TRUE
566256	545366.3	472607.5	515394.3	541204.9	547103.5	500100.4	508306.5	TRUE
221746.1	209103.3	204236.6	222516.7	253674.9	254359.8	261715.7	258370.8	TRUE
394379.2	385476.4	360781.1	334986.6	393042.5	419551.3	382825.7	459046.2	TRUE
79038	112385.9	63433.7	86471.1	123801	55141.8	122225.9	130394.3	TRUE
53896.7	44065.4	41273.2	42984.7	80638.2	29237.1	63565.7	66261.6	TRUE
79601.4	99638.9	39401.7	99609.7	139656.6	62363.5	113299.8	159721.5	TRUE
53420.7	54031.9	30177.8	72500.5	101826.1	33251.2	105032.3	125369.3	TRUE
181373.1	289627.7	192591.6	172050.4	87658.5	184899.9	266651.8	182793.9	TRUE

39688.2	58560.4	49302.1	64000.5	31410.1	56900.8	75860.9	63873.8	TRUE
80660.1	80601.5	91001.6	112378.1	78598.4	76096.4	80711.5	87612.4	TRUE
145493.7	104901.1	150198.3	173652.4	159760.7	150506.4	148740.5	155295.9	TRUE
97415.8	47624.4	88774.8	105852.4	89674.9	97706.6	90170.7	119201.8	TRUE
428865.6	399649.5	306600.4	313388.9	466266.4	316193.4	426163.9	431800.8	TRUE
350495.7	414184.2	430604.6	431587.1	343401.9	378874.1	455339.9	365957	TRUE
344915.9	328516.7	238795.3	260148.8	244119.3	292482.1	352206.2	294524	TRUE
41474	57179.7	55170.5	62513	74669.3	48030.1	71840.6	44752.9	TRUE
421416.1	508112.2	390639.7	455711.9	502372	470024.5	578509.5	516964.3	TRUE
36052.4	45685.9	26248	22582.7	61787.9	42022.5	70225	88020.9	TRUE
591697.2	589051.4	369546.9	398619.1	725135.5	607647.3	827558.1	1112924	TRUE
471161	495468.5	390441.7	509468.6	411987.3	377254	606717.6	412965.8	TRUE
58384.1	87244	60818.5	67158.7	61543.4	47737.6	100193.5	40894.1	TRUE
57863.6	64515.5	67358.8	63326.6	70260.4	68808.7	94227.9	66052.2	TRUE
127323.7	98539.1	76631.7	113696.9	88468.3	132907.7	115970.2	114622.3	TRUE
77155.3	56665.7	54883.5	67077.4	50079.9	74965.2	81078.6	78528.4	TRUE
221449.6	236445.8	170958.5	193333.3	269769.8	172706.3	252757.7	233607.5	TRUE
121671	149483	121205.9	141105.6	136249.7	119418.1	153882.3	161160.2	TRUE
25424.2	12476.2	19209.3	16194.7	41789.9	32710.8	27978.5	40510.2	TRUE
111416.6	114262.1	129243.9	181353.6	192053.3	148352.8	170384.7	190596.1	TRUE
35475.6	35720.8	45824.5	36462.2	41160.4	41826	28981.9	31668.6	TRUE
59549.8	57922.5	83404.5	72145.6	56219.2	65260.2	76585.7	57832.2	TRUE
162314.1	171581.6	111191.7	169144.6	168075.1	109129.2	182980.2	161648.8	TRUE
583048.2	459081.3	518633.8	533923.8	351120.8	568226.7	476824	546907.3	TRUE
6550333	6079238	6064596	6098322	4250695	6407289	5921372	6143116	TRUE
294766.3	274804.6	299737.1	342039.6	212326	350503	312026.1	336520.9	TRUE
139104	119983.8	108031.1	126781.2	112959.3	158096.9	159526.8	194706.5	TRUE
139072.9	111675.9	65703.7	104291.2	79305.9	96717.8	120050.1	96723	TRUE
45535.6	44991.3	35579.3	53099.2	38433.7	52435.6	52827.8	44914.4	TRUE
74201.5	68089.5	58405	62105.4	69819.9	73366	81438.7	88528.7	TRUE
99302.6	72544.8	78094.1	82441.5	71781.7	99003.7	107337.4	106904.1	TRUE
278189	134001.7	467744	228987.7	199686.4	598147.1	187150.2	247480.9	TRUE
497988.2	270363.6	616362.8	315146.8	217366.1	621222.7	244923.8	251922.4	TRUE
781456.3	402127.2	1498751	773017.3	496019.6	1563554	486797.2	512493.5	TRUE
118929.9	82660.4	164767.4	123525.9	65463.1	241761.3	97657.2	94682.6	TRUE
170001.1	42307.5	386260.4	89034.8	35927.8	672122.7	47461.7	64663.1	TRUE
53474	32168.2	138992	32795.7	36597.1	227683.7	26871.6	100338.6	TRUE
82654	19409.8	157230	48498.9	12070	243480.7	28199.5	46218	TRUE
75545	52259.5	121141.6	67652.1	52060.2	149034.5	57785.5	55740.9	TRUE
39527	4546.7	7162.6	6758.6	111282	7660	10779	47061.7	TRUE

80686.3	149230.2	41438	57590.9	49689.6	38119.3	72126.5	43450.3	TRUE
147562	204542.1	94559.6	112956.6	137999.4	94728.9	136258.1	103966.6	TRUE
230523.9	362859.4	132360.1	150474.1	178735	120699.3	408655.5	143683.3	TRUE
598681.1	975244.4	295314.9	359074.4	356825.7	300069.3	1048104	311939.4	TRUE
227062.1	333735.2	187133.4	232420.2	252657.2	200663.3	492728.1	272089.2	TRUE
179920.1	259593.6	156940.2	177484.1	177226	156602	383679.6	168155.8	TRUE
25332.2	80611.7	24965.9	30643.3	30646.3	15250.6	12240.1	29559.8	TRUE
155062	117170.5	233399	218040.5	108767.5	100465.8	114556.9	94971.1	TRUE
241989.2	158327.9	390668	459003.3	157714.4	152335.8	207943.2	155572.8	TRUE
112177.6	78221.2	70226	94901.3	91478.4	131279.2	130853.9	122534.7	TRUE
28790.8	30343	31833.1	30168.1	29339	36022.6	35798.1	37464.7	TRUE
88357.7	77816.1	51553.2	65093.9	66492.4	101256.1	111272.4	99263.8	TRUE
30571.6	8404.6	17386.6	13672.3	11806.9	42688.8	12331.3	36265.2	TRUE
199727.2	191422.9	194378.6	266186	209924.4	275751.9	228902	258391	TRUE
1583897	1515611	1463142	1808928	1677853	1493133	1586295	1656586	TRUE
94637	78930.4	59321.6	80169.4	66089.4	89828.4	78602.4	86912.7	TRUE
183262.7	132404.6	144024	160216	136872.9	161936	148512	169359.6	TRUE
87542	65004.6	88420	85567.6	70437.7	96785.4	75476.1	84998.2	TRUE
42319.2	28399.2	17785.1	12250.6	30135.4	16921.5	57977.6	38859.8	TRUE
70255.3	70236.4	74498.1	73911.5	67103.7	65861.4	75002.7	71839.8	TRUE
48006.4	35613.3	72790.4	60681.6	46064.1	39653.3	44984.8	26616.6	TRUE
131833.7	127788.4	166233.8	152685.2	119494.8	222843.5	148768.6	133498.8	TRUE
108965.2	112116.3	117175.9	69614	95775.8	76602.3	83124.7	71284.8	TRUE
86296.8	90120.2	78384.9	54336.8	73243.1	74715.1	98216.5	94988.7	TRUE
47190	43456.8	42326.9	46980.5	47595.7	56592	44414.3	57684.3	TRUE
159217.9	146337	132902.3	163352.1	148544	144739.5	151499.7	152323.5	TRUE
171754	170674.5	134872.6	168966.1	168329.8	181916.1	206523.3	163343.3	TRUE
361785.1	308552.9	301681	336036.6	342214.3	338137.9	322415.5	323886.5	TRUE
480719.2	497858.3	436939.2	461707.9	472748.1	428442.7	473783	487705.9	TRUE
508641.1	518945.1	515691	560266.1	493753.2	564370.3	486161.6	514757.4	TRUE
356444.4	407806.9	335431.8	310660.7	350098.6	351799.7	362446.9	365420.2	TRUE
73570.6	69583.7	92833.6	86960.5	88573.6	91695.4	70763.5	98375.4	TRUE
210725	201028.7	187715.7	215996.4	231830.3	242595.6	226122.3	216223.4	TRUE
354301.4	413515.1	349403.1	322193.7	324194.4	316644.9	411247.3	373862	TRUE
859876.2	769337.2	830852	842485.8	906423	780780.6	861599.6	914086.5	TRUE
527227	557642.4	596642.3	547386.4	520937.9	1128066	618432.1	595651.8	TRUE
690016.2	599999.6	626899.3	826218.8	631572.6	816671.9	740087.5	723607.5	TRUE
78990.7	82086.9	79867.1	70740.1	76019.1	82459.3	71126.1	70412.7	TRUE
111977.7	102327.1	83408.9	111908.4	126204	107304.4	101045.5	122311.3	TRUE
38806.8	36255.5	52788.1	49642.4	25128.1	45695.7	37994.2	25199.4	TRUE

20462.7	26601.7	27822.9	16399.1	18745	17459.6	36358.4	17634.9	TRUE
32051	25940	35906.1	34777.5	35712.2	30277.5	25646.2	32199.1	TRUE
49257.2	39406.6	59395.2	46344.7	55483.3	44086.2	40577.4	35785.2	TRUE
20742.4	21233.1	9211.5	7659.6	20726.9	19993.2	19362.1	9047.7	TRUE
190247.2	207681.1	191385.6	218304.2	166068.8	189196.6	216741.7	132925.8	TRUE
347867.7	349710.8	300629.5	381298	404291.7	310670.1	393506.5	365529.9	TRUE
143965.9	135655.8	152586.9	163126.4	164890.8	194204	109254.6	142467.6	TRUE
699501.6	614741.8	645062.2	773617.5	716976.4	702201.2	653574.8	702906.5	TRUE
180609.3	185637.9	122954.8	158709.4	156103	192874.2	151076.6	178407.1	TRUE
45874.8	41525.8	29548.2	35728.7	24639.8	56678.5	37226.1	50776	TRUE
398409.3	246279.2	344299.5	371142	340522.9	398377.2	292377.7	423365.5	TRUE
75829.4	49782.3	69110.6	75847.7	82396	111153	90264.3	92112.5	TRUE
212305.7	198165.4	232947.4	221055.1	193362.7	223934.1	207878.7	198965.2	TRUE
409443	365609.7	413773.8	416507.6	340119.5	454993.9	403729.9	362892.1	TRUE
862944.6	723760.1	867977.5	842996.8	926977.8	829801.3	712512	880153.7	TRUE
58024.8	49128.5	51326.1	61220.4	74651.5	66061.5	51463.5	64814.2	TRUE
255372.6	331233.6	266664.8	321383.5	203795	244404	267408.9	203478.3	TRUE
273353.9	307749.6	355934	383554.2	278446.1	329288.4	298584.4	271159.9	TRUE
1001622	869801	950903.1	971580.9	1062494	1026722	796801.2	1013114	TRUE
44899.4	48169	31301.9	53049.1	30156.9	42509	55551	39636.6	TRUE
146284.1	53725.1	55634.3	46898.2	60248.9	80034.8	52643.9	63390.6	TRUE
82949.9	91499.2	104717.1	109692.5	117461.5	104342.8	94369.3	107343.4	TRUE
429603.1	327879.6	402010.7	364188.3	460294.2	444310.3	412886.4	417426	TRUE
349161.6	357008.8	350363	382431.6	388205.6	398928.4	376242.7	348931.9	TRUE
106229.5	109092.7	115545.2	94675.4	77038.7	149908	110094.4	92266.6	TRUE
11105.7	9250.3	7322.6	10602	11974.8	8679	9755.8	6808	TRUE
38489.9	34839.6	30504.1	21845.3	45840.3	44128.7	37358.9	47527.8	TRUE
43375.7	31199.1	46177.2	29086.4	44495	24208.5	36375.9	38749.8	TRUE
333014.3	347350.8	293598.9	298635.5	324596.8	389785.9	358930.6	347723.4	TRUE
22926.9	39078.9	22120.5	41716	23554.6	31615.8	28296.6	16731	TRUE
240995.6	221135.4	275153.4	285828.1	200355.9	392540.1	229754.1	214495.2	TRUE
2620048	2374735	2032129	2369695	2224843	2429537	2475132	2405783	TRUE
201517.7	183206.5	172036.2	184496.3	179394.9	228325	205661.1	213492.9	TRUE
114260.9	335578.6	175717.3	332923.5	361179	52492.3	56067.5	69793.6	TRUE
13140655	11499461	10998626	12285273	11584240	12405951	12277331	13110401	TRUE
454140.2	420318.1	423231.4	431469.7	438056.7	453495.2	464114.9	459575.4	TRUE
1332474	1138228	1209768	1281427	1177461	1306357	1159336	1283335	TRUE
475680.9	421760.3	578991.1	444550.2	498439.9	594965.9	432151.5	474129.7	TRUE
296832.8	307754.7	265292.6	361852.9	341825.2	284498.8	325197	358157.9	TRUE
151676.2	139993.1	136247	200737.2	178238.1	223774.5	159001	201348	TRUE
40626.6	64116.6	73461	61232.4	79415	41568.5	34358.4	43564.7	TRUE
397809.1	383444	384198.7	438669.5	521070.6	372735.6	398913.7	520561.7	TRUE
25991.7	24325.7	30137.8	31879.6	35706.9	25049.3	23340	24872.2	TRUE
199932.7	205859	359586.2	164537.1	172922.4	181397.1	177997	212600	TRUE
60624.7	51089.6	41744.6	49923.4	60166.5	74619.9	53291.7	88475.4	TRUE

343560.4	242314.2	230399.5	303655.9	319104.6	402305.1	284451.9	417604.9	TRUE
100207.5	99723.7	73478.5	95778.7	111212.6	111743.6	143704.3	135880	TRUE
58531.5	35405.8	35102.2	54574.3	55785.7	56168.7	63387.2	73644	TRUE
59776.5	36503.2	41384.2	61348.8	43312.9	59168.6	59238.4	69017.1	TRUE
380263.9	263768.7	238795.1	413878.2	398743.6	468292.3	451062	523401.1	TRUE
95256.9	69430.1	66690.9	84506.7	89932.8	89108.3	89500.1	90776.3	TRUE
365870.2	378250.8	277621.7	376478.5	358402.2	436855.6	444704	505435.8	TRUE
47074.9	41512.8	44770	35291.4	39839.5	35543.5	42505.8	41676.6	TRUE
41838.4	42539.5	25574.2	38113.1	31681.7	50983.8	39712.2	42938.2	TRUE
7838.2	10621.2	14422.1	7885	21119.7	10709.8	11961.9	17185	TRUE
182396.1	138262.5	216696.6	216112.3	166721.2	248783.5	131607	166306.4	TRUE
650628.8	584512.1	521484.6	520907.3	832202.2	713573.5	639691.7	690309.9	TRUE
95593.7	72883.9	95536.3	100601.9	110455.4	126015.9	116644.3	104302.6	TRUE
298396.7	285534.3	365089.6	329367.5	319284.5	279281.3	266604.1	312514.3	TRUE
118475.4	106034.7	174767.5	185798.4	124178.6	217528.5	129328.5	150141.6	TRUE
215322.7	188416.2	244589.1	215964.3	235746.9	268661.4	209468.7	252455.9	TRUE
150210.6	111288.9	189177.3	172276.2	164876.7	193102	135937.3	182728.5	TRUE
145321.2	125115.2	87045.3	87736.2	167137.1	143843.9	133063.7	123653.3	TRUE
248871.4	214909	179432.2	188308.5	287097.5	228253.1	227470	255723.3	TRUE
174037.3	107457	137699.8	158708	254653.6	188785	136255.6	176731.3	TRUE
82822	34983.6	60362.6	63816.2	99184.9	61301	53793.3	87583	TRUE
94731.4	55565.2	92819.9	77823.5	116555.1	72877.3	74136.5	82397.1	TRUE
180420	140995.9	141125.5	167523.4	206334.3	180863.6	146178.1	191167.6	TRUE
92237.4	46822.6	76045.1	78124.2	120275.7	96947.7	63799.7	74334.4	TRUE
34296.8	23853	34558.8	21265.5	7044.3	46649.5	28045.4	23639.1	TRUE
111215.7	121891.8	272180.6	221202.4	130015.8	306238.2	187548.7	147647.6	TRUE
68440.6	51533.6	153747.3	77866.9	68284.4	158348.6	96024	60086.6	TRUE
31238.4	36940.2	36334.6	9826.4	23463.9	46549.8	54692.8	24660.2	TRUE
15691.7	11291.8	16702.1	18613	6505.3	17010.1	31069.1	7304.4	TRUE
32821.9	23669.8	47767.4	51440.7	30111	28044.9	23883.2	19385.4	TRUE
151558.4	151596.1	135804.3	154785.8	125454.1	153444.5	151689.2	137043.8	TRUE
67098.2	54897	47137.7	65257.2	47247.5	78448.6	71434.8	71929	TRUE
268573	235171.1	157586.3	279648	229010.9	264578.8	290605.6	325491.8	TRUE
37890.7	33755	27446.8	46439.8	37692.7	39100.2	44299.4	36145.8	TRUE
312518	269816.6	240744.5	266834.9	262066.3	350055.9	307568.8	345586.3	TRUE
72067.3	61542.4	47427.9	56548.8	69835.2	65328.2	71297.6	67774.4	TRUE
58062	53803.2	67703.6	43433.3	45268	53542.9	51602.7	49088.6	TRUE
106437.3	97824.3	127756	115280.9	99319.2	132307.6	109450	102200.3	TRUE
83388.6	116041.6	70424.3	111399.4	133339.4	80348.6	105634.7	128734.6	TRUE
23134.6	26314.5	23073.6	28762.1	42096.9	19964.1	51297.3	38574.2	TRUE
310198.9	231531.9	256164.4	356307.4	221090.5	253954.3	269210.3	232983.5	TRUE
258413.7	220609.1	204798.4	298250.3	201522.7	209731.6	226347.4	218983	TRUE
120746.1	117874.9	77321.3	178398.9	112487.8	92279.9	116994.9	144205.5	TRUE

175246.6	157284.5	131812.7	210290.1	137967.9	157197.9	155656.5	154417.8	TRUE
117235.2	98899.1	111859.3	117517.6	108438.5	145378.3	90454.4	171353.4	TRUE
198965.8	161285.5	147718.8	261650.9	179481.5	164349.4	190647.3	162573.8	TRUE
415023.3	281735.2	335957.4	362901.7	271721	496399.2	265810	485115.1	TRUE
135620.5	161036.9	151496	135725.9	178337.6	150208.9	143180.1	182092	TRUE
109409	122041.4	86895.8	109098	105066.9	118468.9	112419.6	112772.9	TRUE
99733.2	76811.2	89306.3	119200	98755.8	98486.1	95726.5	97615.9	TRUE
15856.2	20114.4	11670.9	11375.5	8757.3	10196.3	10567.7	9329.4	TRUE
56623.7	31158.1	26646.5	54805.6	45104.4	47393.8	67887	60875.5	TRUE
20191.2	6243.8	23187	23695.4	20739.9	6434.4	6208.7	12940.1	TRUE
9385.1	24150.7	8076.4	28332.1	14671.7	10576	25757.2	27229.7	TRUE
103030.3	82894.6	92369.1	120658.3	77781.6	127595.5	118391.2	139747.8	TRUE
51005.7	52321.7	43864.7	44568.2	39714.7	53905.4	53318.7	34886.5	TRUE
531503.1	423936	450187.6	460094.5	611631.2	652922.1	432261.5	654802	TRUE
1089256	547019.9	1261392	1342239	809553.6	1335701	704150.9	853179.3	TRUE
2285811	1102501	2683538	2933217	1701774	2838400	1318911	1849081	TRUE
973376.6	462686.2	413977.9	406613.4	782996.8	809603.5	515253.6	788339.4	TRUE
48031.6	91659.6	90642.3	59428.9	79966.4	38259.5	33676.1	38440.6	TRUE
587726.9	903990.1	670440.2	462397.7	531271.7	395964.4	469971	560816.1	TRUE
887085.2	945840	897713.6	840169	817042.6	823946.6	1043280	835977.3	TRUE
519087.5	448872	574133.9	552222.4	536694.7	618534.7	562403.8	512953.2	TRUE
102547.2	101112.9	96714	106462.1	98459.2	134876.7	111103.5	116038	TRUE
116149.7	121836.3	136495	136475	153587.6	140837.7	154206.2	132799.9	TRUE
48133.4	65835.7	31614.1	75748.9	51932.1	47881.6	38616.9	70483.6	TRUE
123747.7	99567.4	125175.8	138156.6	120612.6	138591.5	116830.2	108094.5	TRUE
173254.2	150257.8	185228.6	196169.6	156960.5	175960.5	131360	158678.3	TRUE
74253.7	57557.9	67592.6	72906.1	57911.5	79474.3	55532.9	80480.1	TRUE
59316.1	67967.3	83224.6	103348.8	89310.4	104757.8	72261.1	78358.8	TRUE
89155.9	91035.7	123148	144993.1	104644.7	123873.1	103954.4	111878.4	TRUE
102590.3	66397.8	88916.7	79617.4	87507.8	114864.7	88529.2	85539.7	TRUE
112222.3	111667.4	92412.7	109070	120075.7	92391.7	133985.3	114600.3	TRUE
80013.7	82613.9	89340.4	98876.2	61704.1	97480	103121.9	98099.4	TRUE
29796	36009.4	28738.7	8527.6	18501.1	23402.3	28907	26280.3	TRUE
371736.4	366499	349857	433064.6	362602.5	356093.1	407102.5	392056	TRUE
413382.7	458845.9	366731.8	430646	410112.2	386330.5	409431.7	395049.1	TRUE
1854077	1628101	1657030	1624090	1449848	1812197	1688230	1676012	TRUE
207034.6	132383.6	370669.1	230495.8	185969.8	334103.6	177604.8	136472	TRUE
455856.5	442494	834795.5	407873.5	222831.6	855601.4	330125.3	292227.9	TRUE
459115	391221	385061.5	377865.3	630388.4	407019.3	410413.7	412535.8	TRUE
680703.2	580725	616594.9	522100.3	1123353	681585.5	575705.1	710663.4	TRUE

230971.8	223958.9	282924	242042.9	208879.4	253595.1	228886.7	220728.7	TRUE
486596.2	503293.5	439966.9	490753	524257.5	472591.5	531557.2	484404.4	TRUE
203455.3	198474.4	172973.1	222752.4	200644.2	177769.4	220227.9	200907.1	TRUE
126455.7	122353.2	118303.4	130521.7	99326.5	146391.8	135906.6	103939.4	TRUE

236738.7	265698.9	234866.7	246483.3	203543.6	248553	293377.9	205790.4	TRUE
337154	446047.9	358864.9	362865.8	318529.9	400149.3	385744.1	284768	TRUE
120663.2	128586.7	104330.4	143683.4	138566.5	123953.1	116211.1	159058.3	TRUE
188535.5	197781.7	159591.7	167869.8	162517.8	189619.3	211491.8	167633.2	TRUE
102298.1	127980.7	117612.1	108325	67885.3	144365.1	115308.9	104294.5	TRUE
84645.4	95947.2	68775.3	84627.2	49284.6	94972.1	101712.7	59659.2	TRUE
381996.1	513564.8	350952.4	322554.7	214978.8	418385	481723.8	251323.4	TRUE
538271.2	346032	582306.9	577107	497497.3	1054516	396559	572722.3	TRUE
244564.8	233137.6	195686.9	210051.5	181967.9	172021.3	170850.8	215654	TRUE
326721.5	322712.5	333545.7	363487.9	286739.3	325531.9	311705.7	285583.4	TRUE
154335.7	246978.8	171153	245498.6	255578.2	155523.7	162750.5	139122.9	TRUE
2514568	2296339	2451336	2582795	2012891	2913758	2541275	2889761	TRUE
102907.9	77501.6	95823.5	101221.7	95195.7	91600.9	118861.6	92090.4	TRUE
390627	415483.9	385782.6	499668.3	502868.9	377709.3	479897.6	478825.6	TRUE
195308.7	202438.8	229463.7	268197.5	296384.7	257708.9	303458.7	280447.5	TRUE
687072.4	686110.6	623870.7	680544.3	623405.6	819437.2	785553.5	793415.7	TRUE
129226.1	129282.4	131299	114167.7	125631.7	155718	102389.5	116642.6	TRUE
102602.1	101204.5	90611.7	77805.7	88002.4	101424.7	90499.6	87978.5	TRUE
607872.6	489872.5	661215.7	691652.1	883067	1497275	963850.5	1033449	TRUE
274764.4	268344.9	371019.6	215608.2	196906.7	377757.4	264975.5	232052.4	TRUE
290939.2	225174.1	372326.6	268433.9	238306.2	401195.7	283937.8	261854.2	TRUE
341345.2	273138.5	352363.5	336284.6	270128.2	424503.4	323531.2	279853.5	TRUE
198628.3	144052.8	158230.7	169343.2	260409.4	181381.9	168214	203093.7	TRUE
118591.5	65643.6	68210.1	117935.9	126694.8	114717.2	119869.1	151951.5	TRUE
57530.7	32099.5	42435	53407.8	63638.6	71215.1	53858.9	75540.7	TRUE
276700.8	281615.1	250212.2	272627.1	320869.1	267615.2	287431.8	326293.6	TRUE
458498.1	468962.1	448499	406338.3	441651	505108.4	492572.9	484524.8	TRUE
70585.7	82300.5	47870.5	51360.1	88233.2	38121.5	73429.5	49993.4	TRUE
43705.1	35300.5	55350.8	28539.1	72602.6	59737.8	43877.6	61838.3	TRUE
41952.8	53061.3	35875.4	32115.9	51019.3	36437.5	52860.6	46891	TRUE
47903.4	42688.9	50558.5	45368	31729.1	44492.8	51352.3	34624.7	TRUE
42556	47882.3	43845.8	34247.1	44551.4	45116.5	49329.7	42229	TRUE
62218.5	59884.4	72888.6	65011.3	67497.1	60996.7	50607.3	63398.5	TRUE
65827	82231.7	71936.6	77054.4	74667.9	99479.7	98079.4	81383.7	TRUE
54554.9	66697.1	52354.2	65071.5	60979.3	61051.3	71968.5	53403.7	TRUE
35657.9	54891.7	53155.8	47863	35797.8	35910.6	44743.4	26263.9	TRUE
45367.2	48350.4	37261.9	33949.3	51801.9	34526.8	28892.4	33529	TRUE
38660.1	40303.8	30415.1	28541.3	36368.1	39016.7	31711.8	32174.9	TRUE
79690.9	67189.5	82705.2	63022.9	78907.2	62923.2	87306.6	73845.7	TRUE

587306.2	495227.8	620678.1	717619.3	556422.4	644994.9	663652.6	667931.3	TRUE
75008.9	62841	53128.2	75073.8	66483.4	86266.4	117095.9	142536.6	TRUE
166589	143141	207988.8	163502.2	126445.8	208866.8	157806.6	132949.3	TRUE
408653.5	372837.7	538069.3	344998.9	336713.9	639025.6	360603.6	346146.9	TRUE
139466.2	128304.9	225860.5	130341.7	142903.1	228447.6	154080.3	142769.2	TRUE
24251.8	47925.8	30659	42038.4	39410.6	19179.6	10913.8	18080.7	TRUE
18797.5	8711	32919.4	25629.4	8583.2	24919.2	12470	20349.2	TRUE
80030.1	73703.8	64343.3	94539.9	76413.9	68425	76926.5	72862.7	TRUE
144715.8	139448.4	137822.5	158870.1	144082	154267.5	169194.1	145660.6	TRUE
498071.3	437975.3	463051.9	411811.8	514252.3	571065.8	487346	586726	TRUE
62911.9	61053.9	51465.1	54658	67586.2	75390.4	49305.8	66607.1	TRUE
37325.3	25507	33340	51991.3	39327.9	45852.3	30929.4	40955.8	TRUE
46181.6	59184.6	57240.6	62561.9	54630.1	73088.4	53102	54509.8	TRUE
223292.5	224473.8	277914.2	197311.2	177104.9	312934.9	252406.7	170875.4	TRUE
79554.7	50790.1	76592	80007.7	56219.4	90553.8	69006.1	66452.2	TRUE
169273.2	138266.8	205217.8	136238.7	224045.6	142004	130708.9	120531.8	TRUE
142980.2	139277.8	158594.3	138058.2	177652.7	137258.8	121779.4	170017.4	TRUE
118515.7	103030.2	93468.6	106582.9	95020.9	131569.8	136134.2	106551.1	TRUE
303494.5	258991.8	259150.3	283874.6	381049	343374.4	287676.8	309738.1	TRUE
451285.5	393742.1	419964.4	440208.6	566284.8	474121.7	410999.3	470578.2	TRUE
334111.3	324659	311466.8	456711.6	299453.9	297009.3	362167.1	317024	TRUE
82610	71749.3	44650.5	55175.2	47082.5	46146.8	69454.2	64665.8	TRUE
36271.8	41858.8	27769.3	38281	48151.3	31547.2	44900.5	50290.1	TRUE
23577.1	23800.6	36580.9	38148.4	17380	6414.5	22104.3	10113.8	TRUE
31474.9	41029.4	22270.3	41722.1	44394.1	25930.6	51210.3	41192.6	TRUE
20151	25709.1	15377.3	9753.3	17938	12748.8	30070.2	32654.4	TRUE
65116.1	54090.9	96863.2	83552.4	43671.6	45522.6	51857.4	28767.6	TRUE
49452.7	49910.9	42784.7	55279.7	80277.3	37295.9	59653.4	56355.6	TRUE
7694.9	10563.2	6349.6	9350.8	10254.8	4134.7	5711.3	7396.1	TRUE
22513.7	25161.2	10385.1	4562.3	23355.9	7633.9	19177.3	20954.3	TRUE
20411	22820.8	8711.2	15102.4	17108.1	9575.6	24659.3	22490.6	TRUE
90729.9	88184.1	88320.5	122395.7	103934.2	80263.9	108171.3	107043.8	TRUE
400261.5	382538.6	307304.1	449988.8	412656	311708.8	429634.4	396416.5	TRUE
769676	817479.6	662398.6	798028.3	775176	668493.5	814096.1	759425.1	TRUE
498497	526107.4	404477.2	520633.9	532732.3	422887.9	537988.2	484508.7	TRUE
709787.6	707041.5	728798.7	691023.8	551096.5	614635.4	636455.8	647712	TRUE
189487.7	183865.6	226665.9	231535.4	175171.4	194912.5	194443.5	192539.7	TRUE
1807435	1830949	1954220	1864946	1844733	1742138	1806874	1741638	TRUE

67284.2	45620.7	82891	66486.4	55733.3	64999.1	53630.7	62936.5	TRUE
84888.2	81289.2	112200	72004.4	58410.1	109594.6	70866	65086.3	TRUE
618423.8	503579.8	1598080	337004.1	311348	1679658	584039.6	344410.3	TRUE
307985.7	137523.3	245913.1	246043.9	858747.2	159184.1	133396.2	167295.9	TRUE
406410.9	194173.5	391190.1	325135.2	1087778	194617.5	202627.4	273325.3	TRUE
100182.7	89581.7	160368.2	63979.9	74318.5	146135.8	93192.3	71189.7	TRUE
110273	104927.1	166649.2	59143.8	55826.8	181490.5	102802.9	75877.6	TRUE
241150.6	249338.9	226901.3	222024.6	246475.2	222608.9	226455.8	230250.5	TRUE
359526.6	367911.5	295737	339790	351126.3	326320.4	379640	313257.1	TRUE
555598.2	688233.8	606222.2	637283.7	578084.2	627668.1	669072.2	631845	TRUE
248340.8	231991.9	240345.7	271049.9	222863.9	269155.4	271046.4	216560.7	TRUE
460638.3	455056.1	457891.8	440227.3	485608.6	414361.1	472182.6	485744.9	TRUE
121396.4	98349.1	62638.4	108717.6	110780.9	102335.9	142871.8	129328.8	TRUE
138527.7	88630.1	108066.5	114772.7	172771.7	198361.4	121945.5	189311.9	TRUE
67839.8	91149.8	85653	75663.8	80442.2	111626.9	92795.9	75251.4	TRUE
67286.2	76575.9	91942.4	74280.6	71538.3	70917.1	69517.3	88118.1	TRUE
140135	137050.2	115223.1	145613.9	136851.8	153217.8	158626.7	137582	TRUE
80368.6	60031.1	94322.8	116512	89852.2	99660.6	92442	92650.8	TRUE
42215.2	35150.6	41970.3	30155.3	39036.5	33814.1	46377.8	37953.5	TRUE
40880.1	43173	31316.6	50021.2	39649.3	40062.3	59427.7	43596.5	TRUE
72019.6	53393.6	45283.6	69198.4	56022.6	58092.7	96964.1	75932.6	TRUE
156394.4	127977	130286.1	187056.1	142066.5	136935.8	143136	187901.5	TRUE
133091.1	118207.1	186748.5	87916.8	171805.5	174280.1	121053	181369.1	TRUE
33870.5	29310.5	24703.1	28510.2	36817.9	33301.2	37068.9	36425.6	TRUE
78736.3	98224	75161.5	92617.9	99735.7	71205.3	109845.8	88160.8	TRUE
113302.5	98147.8	108486.3	126815.2	89169.5	117333.8	122154.2	102747.4	TRUE
437684.5	369995.2	427381.9	464485.8	512914.5	506346.2	418956.9	494480.9	TRUE
240855.7	181049	242666.5	248498.3	259404.3	259504.9	192322.9	258004.7	TRUE
257929.3	234877.2	317350.3	301785.8	328741.1	268657.5	211918.4	248482.3	TRUE
34745.4	55208	32603.8	37421.5	37035.5	43422.3	38440.3	35890.6	TRUE
60384.5	62232.2	91928.2	46936.7	46117.2	40470.3	54847.9	45921.3	TRUE
114690.4	130333.8	162981	81589.7	97708.3	131351.6	118152.6	87065.8	TRUE
874665.5	925809.8	1146830	777768.8	780575.1	1137892	992348.2	746356.7	TRUE
151107.8	180667.6	205413.4	112527.3	104457.8	223125.5	208242.5	116737.1	TRUE
2277314	1614304	2439058	2322211	3008105	1920452	1780290	1981318	TRUE
101327	82407.8	105971.9	115373.3	148500.2	90765.4	95775.8	91002.7	TRUE
191023.4	144495.5	195992.6	200392.4	335541.4	130910	150518.9	170866.3	TRUE
307388.9	172908.9	275675.3	254650.6	643213.3	164267	188977.7	193184	TRUE
148913.2	153360.7	266022.1	122416.7	140176.3	279478.1	159468.1	121291.5	TRUE
254750.1	216975	359065.2	237303.3	226512	387454.1	271850.6	217996.3	TRUE
202054.7	241547.9	192194.5	190512.9	267849.5	186730.8	215976.9	236383.7	TRUE

54873.9	49906.6	37561.8	46294.8	51756.8	52335.7	65861.8	63839.9	TRUE
191672.2	139162.1	89396.6	151472.3	155088.2	171523.4	221447.1	208482.1	TRUE
56447.6	31771.9	43676.3	56541.6	52548.4	45271	73404.5	50652.8	TRUE
117376.4	81634.6	91875.4	119936.6	95129.2	119035.4	119727.2	127473.6	TRUE
39663.7	34166.2	28387.1	37629	43365.7	26669.6	34816.1	35633.5	TRUE
117533.9	132580.8	120973.3	103863.7	98734.7	112213.6	116356.1	108844.4	TRUE
128024.6	141099.3	118179.6	120469.3	95660.6	162628.6	157100.7	114796.4	TRUE
225147.2	240469.2	231347.9	181305.9	185686.2	228590.6	264580.7	192539.5	TRUE
249899.1	249369.7	197473	186024.6	170666.3	212444.2	246364.2	152043.8	TRUE
143467.4	150649.1	166812.1	117758.8	131247.9	151783.7	171238.1	125432.7	TRUE
190685.6	174522.6	233569.3	235869.5	193740	190790.3	180489.4	168252.1	TRUE
67643.2	56466.8	65203.3	76174.9	72509.5	74066.2	56222.4	69576.4	TRUE
459070.2	448098.3	424514.6	432540.1	452997.5	486063.8	439749	497314.1	TRUE
700387.5	731629.1	681429.1	759030.5	689346.2	718726.6	667588.5	724977.1	TRUE
121552.3	122592.3	104922	152779.5	124359.9	120207.1	117411.3	140334.5	TRUE
96708.7	97148.9	87698.1	103230.5	97828.6	117809.3	109477.4	110023.7	TRUE
43096.7	40159.3	38924	39193.2	43366	30328.9	34482.7	36733.5	TRUE
538762.7	524449.9	494205.7	462044.8	375017.4	523462.3	563374.2	422261.8	TRUE
308030.3	403686.9	306906.2	325275.1	269916.8	328289.1	374101.2	263535.5	TRUE
70326.7	100862.7	78862.2	80476.1	89562.4	76555.6	96918.5	97116.1	TRUE
425319	431659.2	517434.4	534199.6	494492.4	434821.1	444681.7	435997.9	TRUE
683570.4	635693.3	768268.4	808622.4	694077	611435.2	630103.8	689507.8	TRUE
176623.5	180099.4	155253.8	178793.9	194088.6	154392.2	178415.8	194069.7	TRUE
25733.4	17912.8	20601.1	28807.5	26827.2	18891.8	24118.6	25192.5	TRUE
119657.5	109983.8	105209.3	108646.1	119439.3	98067.3	121874.3	113693	TRUE
28471.5	21767.2	26547	27025.9	16643.9	29674.4	57545	27208.3	TRUE
187554.3	198241.6	218422.7	255126.9	240165.9	234982.7	235906	249482.1	TRUE
99967.3	102576.4	109400.1	108693.4	92573.7	120358.3	109681.6	103584.7	TRUE
71595.1	67731	67047.5	70139.3	65355.2	66713.1	51563.1	63730.8	TRUE
589288.1	822046.1	367577.4	476937.4	529397.9	415344.7	903012.6	506831.4	TRUE
264278.7	264599.4	243135.6	318894.8	250172.5	266073.5	300646	262195.6	TRUE
178695.4	227322.3	162913.9	164867.6	204053.8	152564.3	243510.6	200214.6	TRUE
48883.9	35525.1	42709.9	42203.7	47254.5	35856.1	47221.6	42849.4	TRUE
101623	117066.5	85157.6	115021.4	104652.1	89612.7	116332.1	93444.8	TRUE
40700.9	50333.5	26124.9	47266.4	43704.7	26054.1	75043.1	41956.1	TRUE
43404.1	78594.2	39960.8	41740.7	42999.9	64936.6	65134.2	56600.1	TRUE
87283.2	84310.8	87408.4	41235.3	41881	104428.2	119423.2	56800.2	TRUE
110675.5	51770.3	128534.6	148024.2	137788.1	90999	76665.6	131659.5	TRUE
84051	73573.4	84605.2	64616.7	58058.1	83448.3	69487.9	58893.1	TRUE
199232.6	199167.5	265283.6	261173.5	237381	172265.2	204360.9	168297.5	TRUE
69469.6	61386.3	27363.2	48190.7	50881.3	36644.4	54214.4	47286.7	TRUE
96651	116608.9	49515.8	75233.2	84486.9	59121.6	81405.6	90143.4	TRUE

22782.4	34103.7	19611.8	13589.1	26159.5	27032.2	30987.9	29165.6	TRUE
51196.8	57732.3	39025.1	42422.4	54845.3	62848.5	65417.9	68891.8	TRUE
161821.1	133046.2	135263.9	147964.1	151167.9	164708.1	183890	210735.7	TRUE
14792.4	18992.9	10456.4	9976.4	19664.3	20399.1	19574.9	9643.2	TRUE
24901.1	26828.6	23680.3	32206.2	10745.1	28915.9	14258.8	11768.1	TRUE
43881.9	53080.2	61314	64769.5	58107.2	61123.9	53664.5	66353.2	TRUE
145256.1	127129.2	147386.5	188946.3	152650	151050.3	138458.3	182719.9	TRUE
280362.8	198872.2	320457.1	275213	258010.7	344558.2	202941.1	243806.6	TRUE
253927.8	242162.5	245872.8	223210.4	335601.1	314185.4	245650.9	285557.8	TRUE
220272	160624.8	136339.2	160794.7	331050.7	249739.1	179048.7	262331.4	TRUE
132492.3	118022.7	255447.8	83714.1	89381.6	320977	134212.5	94065.4	TRUE
186270.5	171260.2	298964.5	173417.2	99504.9	530131.7	208087.3	114851	TRUE
467728.6	239667.1	357691.6	386123	1095107	255646.8	305811.9	358704	TRUE
99673.8	58596.8	190787.4	46561.6	57530.2	150892.2	79998.9	64224.5	TRUE
69827.2	74095.9	89322.3	60149.8	55196.5	107277	83347	52680.1	TRUE
34298.4	34070.7	30200.3	42739.1	34687.9	36014.7	27733.8	24674	TRUE
119297	99605.8	195278.9	140241.5	94605.5	180530	114064.4	99035.5	TRUE
131184.7	115856.2	204759.8	127821.8	100435.3	245563.9	128222.5	114727.6	TRUE
172398.6	134134.6	147927.4	130783.7	280927.8	161093.3	152591.4	154071.2	TRUE
210968	166497.1	247691.8	178679.1	170801.7	302108.3	183619	184477.4	TRUE
299780.4	207905.2	259080.7	244242.2	485594.4	253654.7	236258.7	291249.9	TRUE
227176.5	223634.5	295348.2	247215.4	267025.3	271441.1	264914.6	252697.6	TRUE
594579.9	464156.5	677851.6	633761.2	803061.9	492415.4	478445.4	458600.9	TRUE
590421.6	517938.4	693000.4	709456.2	845009.4	564076.5	560182.9	566341	TRUE
343103.9	368393.3	516534.1	263339.2	231081.7	528989.7	431494.3	239534.3	TRUE
42784	39213.5	41578	17513	32531	41821.7	35200.1	33263.2	TRUE
42352.5	42485.7	51043.3	35997.1	36795.9	47097.8	53498.5	36812.8	TRUE
1068240	823520.9	938250.4	985852.3	1221194	843398.5	850871.6	858532	TRUE
15455.6	6518.6	7127.9	6455.4	4729.6	7486.6	9775.1	6145.8	TRUE
87775.2	91348.2	104231.1	80743.6	58601.1	106788.7	94163	70450.4	TRUE
84627.4	69076.5	59270.6	74147.6	46379.4	80526.7	78190.6	55093.7	TRUE
343022.9	360400.2	311672.6	330237.4	280653.7	339166.7	378022.2	275163.1	TRUE
143343.1	145358.4	350242.8	73532.5	75091.4	390977.3	169813.9	97797.3	TRUE
222465	193724.1	398525.7	145544.1	190161.3	464253.3	197093.2	184811.2	TRUE
77584.4	63304.4	111581	86856	77621.7	106043.9	67935.5	98338.4	TRUE
52312.9	47840.9	72851.1	41070.6	50793.5	80100.3	39276.1	46237	TRUE
400838.6	342587.6	390279.7	383307.1	312274	412291.4	351381.9	338517.5	TRUE

183234.9	159024.8	160321.2	198931.1	190717.6	226540.8	217107.3	232447.5	TRUE
318514	314423.3	302305.2	315268.3	264064.4	331540.4	303363.5	288440.1	TRUE
340706.4	253126.7	283969.2	239986.4	256545	236741.2	219247.9	260044.8	TRUE
300701.8	229068.1	329540.8	300644.9	325126.1	334890.9	238060.7	271750.4	TRUE
780696.4	660336.4	584090.5	641743.4	627894.7	592671.6	589865	650239.2	TRUE
328703.2	369652.7	333274.5	344689.2	305727.7	353459.9	381833	309614.1	TRUE
598882.7	443667.2	734226	678153	696379.5	500395.9	449164.6	492001.9	TRUE
819305	689761.8	933175.8	947801.9	894535.6	707559.6	726237.4	729759.2	TRUE
136597.6	85015.7	179836.7	155779.1	109534.5	91770.8	108294.2	76992.8	TRUE
35866.6	24045.4	37170	36920.4	29216.8	43764.1	42643.8	35109.2	TRUE
138675.2	135628.8	135322.2	175143.8	156676.4	149469.8	169396.3	153785.9	TRUE
168303.4	173926.6	182356.7	169507.5	168625.1	192144.5	176523.2	194807.4	TRUE
226706.2	226529.8	211471.2	228210.5	246895	224183.6	240811	227217.8	TRUE
114502.2	124564.9	156171.2	151003.2	138816.2	128605.6	116663.4	127742.1	TRUE
41073.4	55396.1	56240.6	78667.3	67261.2	65471.3	69423.8	57275.8	TRUE
49140.4	50079.4	52723.8	47257.8	40447.1	57758.3	59992.1	38112.2	TRUE
142292	99179.2	134142.9	168179.1	149412.3	146472.1	150419.8	130483.8	TRUE
33713.1	28942.1	27180	28461.9	19670	37661.2	24794.7	25670.5	TRUE
36228	44340	45097.6	40965	30669	45652	44228.7	36654.8	TRUE
82983.2	70564.9	72792.5	65142	58384.6	130837.2	137306.6	72485.7	TRUE
89989.1	134752.4	85069.2	144768	134785.4	101011.8	66114.6	90509.9	TRUE
63069.1	42785.3	78696.6	52214	44650.9	83768.4	51308.6	46125.2	TRUE
311250.9	292945	371267	297282	269071.2	382929.9	314978.3	307513.5	TRUE
175594.1	177998	237347.6	167236.9	154725.7	253036.8	196743.9	143026.8	TRUE
69393	51433.6	77752	95374.1	91970.2	80713.1	53872	76263.1	TRUE
36695.2	86258.6	55544.7	89587.6	59622.6	71045.7	67940.3	46485.5	TRUE
163712.1	144347.1	133180.5	156582.6	152586.7	164328.1	178229.2	156386.2	TRUE
57778.6	54927	137387.7	60744.4	68785.4	71122.3	67418.7	70016.3	TRUE
83468.7	79354.5	99187.3	99566.1	81029.8	94245	66199.3	91481.9	TRUE
57540.3	61442.6	58086.5	62490.3	34138.1	75332.5	70592.7	58931.2	TRUE
68951.8	91416.4	72597.4	65894.9	51925.7	80746.2	95360.5	61523.9	TRUE
93024.6	96636	124846	105627.8	95091.5	121792.2	96618.5	107026	TRUE
27918.2	21532.5	32608.1	14369.5	30847.1	32813.7	33802.5	31533.2	TRUE
140268.4	114332.5	123659.9	132120.4	129512.9	125817	111217.4	124307.8	TRUE
938435.4	857019	912870.2	1017659	1106498	1033105	909718.6	1035440	TRUE
552941.1	559616.5	511939.6	604400.1	575676.4	616742.3	618664.1	611160.3	TRUE
33002.5	44054.2	57275.1	21323.3	33433.6	48287.8	29826.4	39199.4	TRUE
20966.2	30838	42174.4	9667.4	11817.6	38854.6	14255.4	11728.3	TRUE
28382.2	18816.7	47238.6	22816	30208.6	54793.7	11988.8	21894.1	TRUE
48495	41379.4	32701.1	34633.9	42748.4	27232.3	40543	37410.5	TRUE
298571	263764.6	386404.8	335730.4	284769.1	301460.3	303112.6	283698.1	TRUE
51030.7	42073.9	38980.4	65151.7	70645.8	51330.3	61381.7	65491.6	TRUE
49846.8	60156.1	47583.8	58511.4	54257.4	48522.4	47891.6	64357	TRUE
518654.8	426361.9	411598.6	549693.8	527214	451805.6	466442.6	580888.9	TRUE
170525.9	154321.1	142453.3	164648.2	166845.7	190606.9	187808	190046.2	TRUE
140584.4	118714.1	153727.4	129562.3	135442.7	160829.3	116932.1	146183.9	TRUE

118793.8	110502.3	123015.1	104008.3	103618.7	133300.5	127650.1	102697.4	TRUE
190957.6	170562.6	214944.3	204035.8	237498.8	182459.2	167729.3	202958.5	TRUE
174742.6	115114.3	145662.7	151673.4	249882	125141.5	141904.4	114053.5	TRUE
112524.2	115508.6	155422.4	130525.9	98545.2	135102.1	140590.7	108318.6	TRUE
941999.3	403629.4	1184166	1085483	1347534	721558.1	511830.4	793234.1	TRUE
653697.2	322148.8	791208.2	750049.9	875758.2	473571.6	327824.2	482524.7	TRUE
32164	35237.3	51453.7	32929.1	24661.9	47565.8	51100.6	33439.4	TRUE
138307.7	108214.8	124921.9	125738.2	108686.1	138506.9	120542.7	100024.9	TRUE
100575.2	126536.2	105093.3	126807.2	139262.3	123184.7	97966.8	133449.2	TRUE
30155.4	25208.2	26817.7	22399.3	31152.8	23245.4	20445.4	25451	TRUE
23541.9	14960.5	23409.9	42982.9	33168.2	27376.5	23670.7	22057.7	TRUE
63034.7	42027.5	63948.6	90636.6	66694.4	77060.4	84085.3	67232	TRUE
128905	134105.1	129050.8	123605.5	113313.7	116180	144428.7	127204.8	TRUE
62362.1	88071	40181.2	61928.1	35304.7	58486.4	71901.6	37291.6	TRUE
30339.6	34457.2	20586.4	31225.4	19055.3	42528.6	43348	28055	TRUE
36796.6	27440.6	34732.4	24260.8	26906.6	34149.8	37228.5	21404.5	TRUE
35169.6	38873	41823.2	44097.6	25081.5	41464.9	42770.5	30155	TRUE
20332.7	33694.4	26336.3	30006.6	26275.4	26680.4	38980.9	24717.8	TRUE
121370	102700.9	118595.6	128812.7	107654.4	129510.4	113629.7	114783.2	TRUE
82585.5	55741.3	63116.9	70501.1	75006.7	54582.7	60550.8	76516.2	TRUE
133548.7	119580.8	101863.5	107328.1	86376.9	98093.5	111671.3	89815.7	TRUE
142073.7	144682.9	101124.9	154040.3	121949	128015	121060.9	128003.1	TRUE
295080.1	245203.8	260559.5	279797	216302.2	252473.8	281383.1	235406.9	TRUE
312011.1	220947.1	302530.8	309693.8	272028.1	251698	234832.1	268791.6	TRUE
51181.7	53230	50475.9	43071.1	43965.1	24352.9	48593.3	31752	TRUE
44285.6	36848.6	31868.4	40697.9	33092	22241.4	28459.6	30315.7	TRUE
48251.8	54993.7	51169.8	49263.1	49033.5	58290.1	62495.4	52420.7	TRUE
183964.8	169591.9	172340.8	150703.2	163705.9	207462.2	186392.8	203068.4	TRUE
107158.5	114203.7	97963.6	112732.2	119717.9	91263.2	103757.2	97467	TRUE
89488.8	62009.2	66076.3	72233.7	74763.4	83120.2	80015.1	86724.5	TRUE
154219.7	126411.1	147235.5	173242.4	131906.4	143921.5	127149.2	141223.7	TRUE
137252.8	107756.5	124687.9	126704.8	144139.2	173254.6	121072.6	155097.2	TRUE
67434.3	77740.6	53898.1	63902.2	68568.1	48437.5	63245	76164.3	TRUE
108930.9	126929.1	110338.7	100171.7	108937.2	117670.6	128630.4	114242.6	TRUE
100660	106076.7	39207.9	84116	92808	79025.8	178752.2	121992.2	TRUE
33710.4	28721.3	49698.3	28268.4	34438	50585.9	48570.4	32535.5	TRUE
119802.2	93116	166463.5	126609	99739.8	170396.2	104563.4	103043	TRUE
118845.1	108708	117990.3	107974	108156.7	113311.1	134100.5	104300	TRUE
71966.7	109400.2	99313.1	69028.6	60863.3	84978.9	102978.1	70436.3	TRUE
151535.8	178045.2	133636.2	149824.9	141814.8	128863.7	154635.9	146738.5	TRUE
189488.8	171610.1	246250.7	215044.5	225183.6	197665.6	155348.4	171178.5	TRUE

338614.9	300254.5	389391.8	405295.9	338611.1	332091.4	313441.2	328317.6	TRUE
80258.5	74360.9	51255.8	50761.1	59947.7	52307.7	53336.5	58234	TRUE
108465.5	74502.2	165790.2	94989.5	78981.3	110626.8	88670.9	102831.5	TRUE
389027.1	257857.4	250264.3	301928.5	405212.9	385045.9	296513.9	414253.9	TRUE
21273.1	9044.6	20504	10449.2	10517.2	25635.1	10803.9	10964.6	TRUE
19972	12565.2	14108.6	10879.3	10073	20759.2	16282.9	13038.7	TRUE
119105.7	102169.5	172929.1	103202.6	94066.3	154159.4	97236.2	92919.1	TRUE
74994.2	41651	53811.6	54764.9	123409.6	60983	50334.7	78290.9	TRUE
409641.9	279262	297540.2	312689	510999.1	306403.6	306652.4	333889	TRUE
253718.8	163489.2	192030	184203	417863.7	239943.3	209892.3	262774.1	TRUE
131940.6	67390	88330.3	92716	56299.6	120581.8	87777.9	100304.8	TRUE
151535.8	178045.2	133636.2	149824.9	141814.8	128863.7	154635.9	146738.5	TRUE
189488.8	171610.1	246250.7	215044.5	225183.6	197665.6	155348.4	171178.5	TRUE
338614.9	300254.5	389391.8	405295.9	338611.1	332091.4	313441.2	328317.6	TRUE
302830.5	319656.9	257515.7	292799.6	228526	275854.3	334537.2	258615.5	TRUE
895038.2	1068817	597414.1	737231.1	999768.5	582557.2	1163725	1035539	TRUE
99276.8	129465.2	73167.6	98462.5	105691	84712.5	125947.8	118131	TRUE
95924.8	142604.8	88058.2	83095.2	116865.4	53093	55803.4	51685.6	TRUE
979718.3	992395.1	872620.4	964556.2	794014.2	868567.9	1095812	766237.9	TRUE
76298.2	93784.6	74235	70415.5	81196.8	81716	51980.7	54706.2	TRUE
66637.5	71447.7	64512.3	71206.3	47404	93298.6	82863.1	68207.6	TRUE
243667.9	281625.5	204351.1	283940.9	204603.7	218533.1	283418.6	205538.9	TRUE
67322.6	88966.6	75146.8	83359.3	76342.3	92964.8	78900.2	103966.4	TRUE
43980.4	36386.8	22070.1	34588.3	47921.8	25201.9	36844.4	51564.6	TRUE
85953.5	84066.8	78463.6	87740.9	101177.2	80148.8	75823.1	81662.3	TRUE
153676.6	150067.7	157206.2	170023.4	190999.5	154084	159202.4	190863.6	TRUE
276800	240563.4	235286.8	276177.1	226865	251278.6	275475.8	239524.1	TRUE
332269.3	243739.2	308079.3	344525.5	342953.3	350326.5	283232.9	311134.5	TRUE
109059	129099	128992.5	138023.9	131552.2	142928.6	125322.2	144942.7	TRUE
205205.9	171158.7	194701.6	196859.5	203409.2	187981.5	182064	201389	TRUE
286571.4	296682.7	245870.2	349582	362235	284015.2	395765.5	396621.5	TRUE
668645.2	626030.1	779587.3	726859.6	597556.1	650422.4	605968.6	671948.7	TRUE
80767.6	80527.2	67685	88228.4	90432.3	96318.8	94172	82843.2	TRUE
42763	45337.1	54344.7	52329.4	64840.9	45524.8	39404.2	54686.6	TRUE
299194.8	263538.3	297458.7	332901.7	316539	308999.1	275650.6	298133.4	TRUE
365451.2	291941.5	360184.1	352565.3	369684.2	378177.2	311933.8	369497.1	TRUE
37195.7	40419.5	30470.5	41312.8	47909.5	34260.5	31083.3	38664.2	TRUE
168113.2	204330.1	172783.4	185345.5	143686.4	218973.4	153628.3	157488.1	TRUE
367276.8	295320.7	356995	364343.7	462608.8	328873.4	282087.8	309547.1	TRUE

157349.8	159373.3	156277.6	183916.2	162500.8	145060	157730.9	160834	TRUE
289327.3	256745.3	265150	314949.3	270347.7	284554.7	272263.1	281110.2	TRUE
40893.4	43916.9	62966.9	43381.6	46279.6	66324.3	40403.4	46894.8	TRUE
448441.1	407688.9	384001.8	464950.9	447902.7	364437	466570.1	426377.2	TRUE
436769.2	444993	461933.2	483391.3	469582	516938.5	445258.8	527096.5	TRUE
41136.5	31601.5	40861.8	29259.5	23235.7	29528.3	41804.7	28031.4	TRUE
450882.6	490430.7	423758.2	381858.9	438973.6	430412	449875.7	429753.9	TRUE
1044495	1026491	1173215	1102116	979192.6	1058751	1017917	1038340	TRUE
89489.9	88270.2	81582.1	110010.8	76811.3	101396	99565.3	87495.2	TRUE
157172.8	194707.8	148253.4	153440	139005.2	157853.9	182273	158223	TRUE
111762.4	98632.8	84608.5	84678.2	78747.5	136658.8	116521.2	147284.6	TRUE
174908	142072	152345.8	196563.9	178195.5	146031.1	151698.6	148753.4	TRUE
230829.4	226544.6	238630.3	221927.9	267026	227394.7	254003.4	219584	TRUE
171056.2	169356.8	168638.4	134017.7	156102	207902.8	171084.3	186229	TRUE
454301.9	432161.1	406986	443147.1	494262.2	414072.9	448266.9	516599	TRUE
112988.7	85993.8	68196.1	86911.3	84837.9	125642	111363.8	88407.4	TRUE
304608	205361.3	291003	315585	288164.2	303458.7	328319.4	369666.9	TRUE
135975.5	149767.2	163923.4	161011	97318.3	159496.2	160656.1	148571.1	TRUE
31451.8	48799.8	29020.5	34517.6	30971.8	30358.2	36491.3	36075.2	TRUE
61386.5	68528	48879.4	44897.6	64875.1	66701.7	81380	56333.2	TRUE
160350.9	130493.3	156651.5	156670.8	136864.9	157170.6	151705.8	137224	TRUE
152563.3	162219.2	153617.1	169078.3	174853	151437.7	171393.9	162069.7	TRUE
43154.3	46236.1	46692.5	64168.4	72458.2	50738.8	61147	58544	TRUE
141632.8	136751.6	155005.3	135614.1	132178.4	165003.9	158368.4	145367	TRUE
458387	452923.2	471645.6	442343.1	422743.9	490837.2	452109	497704.3	TRUE
481242.7	406281.2	502807.3	532034	558094	472252.2	417798.7	446622.3	TRUE
46701	61900	40394.1	50571.5	37556.4	46724.5	59844.8	54418.2	TRUE
84905.3	95566.7	74613.2	97376.5	69835.4	75753.4	83540.4	78020.1	TRUE
96795.3	92774.5	76596	86149.9	67334.7	99469.3	112689.9	91488.4	TRUE
334646.9	230614	261331.9	339043.9	309423.6	316097.9	317405.4	409786.6	TRUE
135975.5	149767.2	163923.4	161011	97318.3	159496.2	160656.1	148571.1	TRUE
79784.4	100308.3	110052.4	110878.2	96944.1	116049.4	112076.2	99439.9	TRUE
117645.3	109890.4	133398.5	143166.4	98272.4	152931.2	149649.6	133247.6	TRUE
195635.3	138175.1	387530.8	119663.3	88268.6	534931.6	177964.4	117007	TRUE
41821.6	32284.2	107139.2	27931.4	18702.9	110332.7	27961.4	25738.4	TRUE
31989.8	52884.3	29222.9	9850.9	13116.4	39594.6	38330.7	30639.1	TRUE
534577.3	581335.5	624445.2	601229.5	545807.9	606292.5	621913.7	576721	TRUE
924744.7	742969.3	814715.5	867863.2	1092738	814376.3	767567	883999.4	TRUE
38238.8	36358.1	25535.8	28002.3	25175	45271	38111.1	39786.9	TRUE
26130.2	8521.2	22110.6	27742.1	18276.4	37154.2	34906.1	32352.6	TRUE
223472.6	232680.6	260524.8	218808.8	184066.1	271012.6	232394.3	199625.1	TRUE

385558.1	307603.9	421938.9	381167.1	436803.1	367852.7	295111.5	374703.8	TRUE
72079.8	67819.1	54834.1	50947.8	44866.4	92611	74946.8	69316.2	TRUE
112786.2	84406.2	93758.9	97397.4	134326.2	96246	99705.8	129588.9	TRUE
311398	205431.9	316351.7	326690.7	386885	347032	219444.8	304909.7	TRUE
40620.7	43532.8	55197.4	52121.5	44065.6	67732.8	50141.7	44858.3	TRUE
38122.3	40915.9	58447.2	49021.7	43100.1	75369.4	54877.5	51800.1	TRUE
98365.1	109091.1	99370.4	99557.6	92799.6	103676.1	98464.8	99891.8	TRUE
29490.3	8768.4	51351	48488.1	45086.6	52454.9	35583.7	38277.3	TRUE
49140.4	50079.4	52723.8	47257.8	40447.1	57758.3	59992.1	38112.2	TRUE
142292	99179.2	134142.9	168179.1	149412.3	146472.1	150419.8	130483.8	TRUE
33713.1	28942.1	27180	28461.9	19670	37661.2	24794.7	25670.5	TRUE
36228	44340	45097.6	40965	30669	45652	44228.7	36654.8	TRUE
71525.7	52252.7	93172.6	48690.7	78836.1	109019.1	106934.7	68749.9	TRUE
38780.8	36554.6	21830	30886.7	23996.9	40834.4	49734.1	40024.7	TRUE
86107.9	122162.9	57775.6	106502.1	82824.8	47934.5	121687.6	54635.9	TRUE
536639.7	333605	797911.3	794441.4	361241.8	588758.1	378119.3	584907	TRUE
1443343	1114484	2020005	2045611	1127226	1523502	1199911	1492052	TRUE
260115.2	139060.1	374832.9	336012	173139.4	259145.1	142339.5	275798.2	TRUE
272831.7	305234.3	409231.8	152880.4	164895.7	409968.4	259056.8	192030.4	TRUE
151027.6	154745.1	288840.7	160800.9	110375	309825.7	180575.3	135651	TRUE
89810.7	78182.8	64414	47738.3	48373	69447.4	69596.7	61057.9	TRUE
57475.2	61041.2	58093.1	50596	52497.4	42396.6	59669.6	70013.5	TRUE
46023.4	44826.6	44514.2	35582.5	41932.2	51336.3	50838.9	34668.3	TRUE
36805.6	47270.4	58767.1	48175.9	61190.6	39656.9	59884.1	51823.8	TRUE
29424.9	11776.1	19471.6	30627.3	19661.4	35191.6	30051	16495.1	TRUE
79386.2	64361.6	77416.6	65135	39967.4	72495.1	52401.4	63910.7	TRUE
18613.3	15234.5	6633	9835.6	19175	10681	6780.6	4627.9	TRUE
34678	47051.4	25378.9	40418	41833.5	34443	38047.7	42371.8	TRUE
61007.1	72208.3	61030.9	57873.1	75736.8	62483.5	59290.2	71748	TRUE
117560	100649.7	93771.7	120536.9	94043.5	133501.2	124806.8	175264.3	TRUE
218293.5	212596.1	238438.2	275711.2	206499.3	227899.1	224982	219459.2	TRUE
240640.3	232217.4	260204	180539.5	229837	274540.1	220034.5	235198.9	TRUE
18821.3	10692.4	15763.6	9622.9	8880.7	19034.2	17671	18313.8	TRUE
26822.5	17018.8	24388	28984.9	22593.5	34641.3	29241.1	30356.1	TRUE
262543.7	200647.6	191298.9	239880.9	294082.3	253379.9	236042.5	285725	TRUE
30855.8	33464.5	36282.1	36793.1	19209.7	37709.9	36442.4	17940.7	TRUE
127620.4	104877.5	128855.7	133896.1	174763.1	116522.6	104401.3	103832.5	TRUE

95836.8	124224	118691.7	89175	85914.4	145817.2	138970.4	108192.4	TRUE
33593.7	31510.5	27096.1	24804	32023.9	37401.3	32669	33144.5	TRUE
90019	122776.5	111099.4	95544.8	79485.7	161911.9	158804.3	91823	TRUE
25219.7	12597.1	14993	26296.2	10538	26578.6	29260.4	15527	TRUE
693500.7	573135.5	781997.2	756698.4	633506	856819.9	573140.5	837781.1	TRUE
56630	54100.6	57178.1	65775.8	53628.9	66616	49122.3	46123.7	TRUE
37788.2	40911.5	51419.4	45747.9	31002.5	47929.7	37789.5	30409.4	TRUE
133521.9	116646.3	169373.7	106324.2	120074	169662.1	149189.8	125044.8	TRUE
33101.1	38720.3	35853	43033.7	45282.3	36221.5	48490.6	38515.7	TRUE
19896	24804.9	8867.3	10482.3	24198.6	15915.1	27727.6	21196.8	TRUE
27321.2	31810	11225.6	37274.6	27944.9	22304.5	37024.9	35588.6	TRUE
99611.5	99260.6	119508.5	106896.4	79295.5	72369.7	101609.8	77562.6	TRUE
93283.9	154610	129665.4	96147.3	97971.3	67402.9	34216.1	21305.6	TRUE
131364.7	137803.5	135630	120827.2	131608.2	141790.5	132147	126886.7	TRUE
75209.8	81721.1	61154.5	68487.3	53892.7	65612.1	101985.6	80320.7	TRUE
94832.2	92395	80392.9	75332.1	80730.7	79915.5	114487.1	84014.5	TRUE
143776.3	155003.3	165921.2	148236.2	119889.8	154355.5	154142.2	125250.2	TRUE
48140.6	38442	56855.3	63793.1	52214.7	42365.7	60055.6	60653.2	TRUE
60881.4	49911.5	79305.2	88350.8	58177.8	65775.6	65186.3	64064.5	TRUE
140566.5	142552.4	130709.6	113992.8	148234.6	131312.1	145021.1	117644.6	TRUE
137335.4	90175.1	143673	134395.8	141009.2	133738.6	86070.6	114379.5	TRUE
138547.9	140120.2	153693.5	141453.6	102871.3	176389.2	152460.1	112636.3	TRUE
50535.7	51611.3	59945	59110.6	43260.9	52282.3	56554.9	50253.9	TRUE
28735.6	10244.1	42264	52417.6	38373.4	42003	44370.7	41571.8	TRUE
23954.1	8527	22837.1	29317.8	17588.2	16795.7	32803.7	23163.9	TRUE
82887	42805.6	79942.3	90923.2	51662.5	81097.7	66212.3	75690.6	TRUE
35097.4	45267.4	29364.9	39722.7	39085.2	31621.2	42989.5	30862.9	TRUE
7436.8	5038.9	12501.1	5598.4	7505.6	8041.1	12018.4	6081.5	TRUE
237753.5	222412.8	204098.6	191014	184473.2	187815.8	233803.7	203168.2	TRUE
195937.2	163110.5	197864.4	195925.9	167863.4	202067.3	166863.8	214368.2	TRUE
537374.3	409371.1	647694.1	513173.6	758840.7	569368.9	433545.1	496727.2	TRUE
15842.8	8170.3	34577.9	8592.9	9925.6	26820.5	11312.5	11663.1	TRUE
84067.6	85928	113110.2	80089.3	73083.1	111295.7	76962.9	65455.7	TRUE
103771.7	116444.1	170795.4	77902.2	81643.8	181524.3	113006	83170.5	TRUE
87356.3	100402.5	105906.9	75891.5	94230.1	99669.9	100937	97728.7	TRUE
149534.4	161266.2	162248.9	165452.6	136247.2	118487.1	153085.9	107606	TRUE
23700.2	28047.8	17735.2	8615.9	26347.2	22411.5	11993.2	32184.7	TRUE
22442.5	10307.8	20336.4	9576	26055.4	9803.4	30935.1	26052.2	TRUE
331686.5	898449.7	38307.9	290642.3	145144	75450.9	988657.2	144568.7	TRUE
93790.8	101868.7	72433.1	68108.7	59633.1	46250	133960.2	58002	TRUE
100843.9	58359.8	115925.8	106173.3	62937.6	63762.9	56046.3	63683.7	TRUE
69658	38686.2	90102.6	113355.2	62732.8	52693.1	37683	59124.2	TRUE
42522	36123.9	39132.5	36667.1	51986.5	36784.5	42259.2	47813.5	TRUE
75525.4	64900	70467.6	58695.8	52788.8	90106.6	77333.5	67102.2	TRUE

252333.3	257864.4	259275.3	209500.5	160878.6	242839	255870.7	180481.8	TRUE
40764.5	63588.1	61618.1	48031.4	54202.5	75083.8	46851.7	52273.9	TRUE
220118.3	234991.7	262289.8	272939.8	298329.5	155296.5	279795.3	166492	TRUE
70370.3	66797.9	80388.3	28285.6	48065	81193	57458	52898.2	TRUE
161836.4	199628.1	225499.2	160275.5	171877.1	209206.7	197281	186866.7	TRUE
127239.1	143325.7	159899.3	111583	124901.6	165825.3	171184.6	119427.9	TRUE
82337	82608.4	63098.8	95434.7	82098	83266.6	107504.2	95927	TRUE
118342.6	104142	123474.7	122627.5	113106.9	127807.3	130908.8	127635.9	TRUE
33587	38040.9	31822.4	47960.4	51943.2	41772.1	52345.7	43312.1	TRUE
193469.8	174989.6	138994.8	218162.5	145206.7	298831.5	258773.1	217900.4	TRUE
116474.8	116485.9	170639.9	108814.2	109130.9	186402.8	136643.4	123672.4	TRUE
162729.8	149299.4	230056.9	130156	110952	218613.1	186423.4	119338	TRUE
75214.2	81579.3	79847.8	78373.5	59631.7	92045.8	108453.9	73476.8	TRUE
51318.8	46822.5	42590.7	42768.7	44684.5	54037.7	47811.3	60696.4	TRUE
144000.4	173783.9	269852.4	135957.3	148487.9	190129.1	138691.1	169363.2	TRUE
111010.4	107669.5	106165.7	94908.4	88324.6	129450.5	118915.1	99599.2	TRUE
134884.3	121339.2	119384.8	106652.8	82649.3	126186.2	119844.9	118944.3	TRUE
186524.2	183091.8	204276.6	213948.1	169416.3	228391.8	219332.7	217636.1	TRUE
33671.4	23734	51357.5	46170.7	30768.4	50537.1	45690.9	45759.2	TRUE
70738.6	94146.8	69306.6	88182.4	99075.4	75017	76845.6	80361.6	TRUE
75259.2	67433.3	92463.8	79460.3	69097.2	69119	78669	67872.6	TRUE
38433.2	52700.7	59278.9	58493.8	50013.4	53845.1	64534.6	60416.7	TRUE
381399.2	339785.8	422771	426745.6	459967.4	389450.4	351220	374008.2	TRUE
46804.9	47268.1	68682.2	15227.5	49962.9	65307.7	66123.4	46647.8	TRUE
77601.4	66133.5	75915.7	97037.7	91881.9	90011.7	78146.3	94909.6	TRUE
51293.2	29474.5	44177	48197	59093.8	59046.4	48318.6	52053	TRUE
541402.8	437246.4	527916.8	622560.8	516280	615680.1	453509.1	596166.9	TRUE
37394.1	24005.1	20301.6	51196.9	32280	50254.3	62586.6	40694.2	TRUE
44262.5	41138.1	38801.5	41160.8	33436.2	44144.7	45195.3	48489.6	TRUE
37546.3	32064.6	38889.7	40879.9	42147.2	40904.4	41009.5	33866.7	TRUE
101314	115059.4	114851	162248.4	105668.4	142184.7	154173.1	98981.4	TRUE
22724.4	9777.2	23613.2	20326.1	20220.1	15581.1	20252.7	6229.5	TRUE
15539.9	12121	8373.6	12448.3	7374.1	22182	12874.4	9399.5	TRUE
7696.2	18239.9	6193.1	7668.8	17480.8	9608.5	6752.3	11434.6	TRUE
129748.6	116057.3	117034.1	119131.9	129069.5	141057	130700.2	163035.6	TRUE
50727.7	44433.3	64270.3	34620.4	35911.7	42849.1	36123.7	50995.4	TRUE
47069.6	36813.1	35708	81579.9	39232	46852	56720.1	43042.2	TRUE

96947.8	79832.6	119220.5	116363.4	79458	86925.5	86135.1	100313.4	TRUE
77798.4	106697.9	70997.1	82676.5	86990	91785.2	127740.2	93608.9	TRUE
471715.6	556640.1	486856.5	551089.8	406373.3	385336.3	620388.6	368480.9	TRUE
74920.9	68582.7	144645.6	76615	61423.5	167029.5	104296.3	72966.1	TRUE
259989.7	244994.4	412374	166514.5	128096.5	413390.9	206976.2	140350.5	TRUE
29168.3	19103.1	34181.4	32471.9	29960.8	27271.5	27746.4	32314	TRUE
23135.1	7278.4	15071.5	8810.2	8480.8	5084.8	8158	7078.7	TRUE
26430	19275.5	9996.9	4882.2	32821.3	10703.7	21071.9	12118.2	TRUE
45826.7	41153	41172.9	37085.6	46537.4	65616.7	59771.1	45535.3	TRUE
127638	90969.9	118255.5	118958.5	142205.8	133880.4	117824.3	122108.3	TRUE
25636.9	10679.3	26819.7	12041.6	20827	35488.1	26056.4	17633.1	TRUE
21124.4	15176	26006.2	21351.2	28738.3	10549.6	18767.1	19199.3	TRUE
52789.9	42496.2	61339.6	57214	51909.6	82138.4	38402	43948.1	TRUE
260049.8	251007.3	274125.4	227193.8	239392.3	327260.4	268593.5	257639	TRUE
280944.3	252798.2	287131.9	289233	301542.3	285109.5	274000.8	286891.1	TRUE
925443.5	909582.7	773712.6	922179.7	834145.6	870936.2	825426.2	934436	TRUE
156899	150611.7	133548.1	191452.4	178642.3	165325	157622.5	162792.8	TRUE
183925.4	183203.9	193902.6	225561.4	165195.1	176407.4	178380.1	201082.5	TRUE
476239.8	467176.6	484812.7	490795.5	462155.7	513467.2	478157.2	520452	TRUE
303019.9	322175.5	246984.7	289977.9	214442.7	266737.9	322230.7	253029.8	TRUE
265716	223466.5	239737.2	304074.9	276669.6	244544.9	224322.2	250314.7	TRUE
354266.3	367731.8	371391	368595.2	382504	384356	437157.2	387275.8	TRUE
729705.1	749131.4	710638.7	681140.8	493152.9	694836.8	794695.7	508418.2	TRUE
53423.9	54113.3	50364.8	75265.1	64916.5	71244.8	100557.7	97310.3	TRUE
19827.8	21856.8	15432.9	9743.6	16230.3	17891.4	24717.2	8764.3	TRUE
14983.5	19251.7	6928.6	8165.9	14770.8	20819.1	24674.9	8770	TRUE
94050.8	56528.4	100073.5	60543.1	58388.6	181584	62679.8	67978.4	TRUE
79814.1	73579.7	155506.4	32615.2	36434.1	144793.8	50862.1	51590.3	TRUE
119357.2	73289.9	112653.3	132990.3	248065.8	68849	94416.2	91031.2	TRUE
168945.7	174209.6	234980.1	232725.3	279349	332546.2	219727.2	150514	TRUE
28842.4	10396.6	24785.8	27671.3	29559.7	32418.8	41371.2	25901.5	TRUE
34126.6	33543.7	38684.1	47655.2	23905.6	57156.9	25442.7	26434.9	TRUE
34834.4	31364.5	38253.2	29409.2	25756.8	35325.1	30576.1	32310.4	TRUE
6377.7	7739.9	14774.9	18966.6	6445.7	17105.3	7172.2	17881.2	TRUE
25505.4	22762.8	32650.7	24659.2	30307.7	31597.7	30949.5	24855.9	TRUE
95977	106590.7	141271.9	120457.8	96703.7	147261.1	107214.7	110469.5	TRUE

220348.3	148761.4	248299.6	235309.3	365700.8	210053.5	198920.7	177960.4	TRUE
407263.2	296302.8	359570.5	423170.4	668834.7	355073.3	329585.9	422770.4	TRUE
49023.7	32932.4	53041.1	57256.5	72256.2	36592.4	46026.7	42900.8	TRUE
73788.2	73341.5	81093.5	91428.5	112456.4	74345	66630.2	50664.4	TRUE
64159.9	45432.5	91573.3	86992.3	43903	73551.6	46495.4	124514.6	TRUE
117325.5	67660.5	127522.4	137819	93610.8	115612.5	57384.9	94772	TRUE
109805.2	121975.5	107908.1	147220.1	90814.1	100784.3	115727.5	100708.6	TRUE
148611	114434.3	134747.8	140227.2	197161.9	132345.4	113532.8	129867.6	TRUE
122182.5	106107	126329.4	117487.8	106954.6	142004.5	145435.8	131023.1	TRUE
92959.1	87178.8	107286.1	109364.3	97663.2	109110.6	102938.8	101557.2	TRUE
126433.5	111482.5	163128	144766.5	188346.5	112094.3	118572	146921.3	TRUE
82542	59022.7	87661.4	77750.4	63866.4	101095	77154	71488.3	TRUE
116449.7	105219.6	115699.1	126272.9	146055.8	92456.9	90249.8	126671.6	TRUE
115913.6	112007.1	132248.2	100127.5	133905.1	120201	139427.5	112807.4	TRUE
56419.8	50577.3	50281.4	56958.6	57159.9	66332.6	62081.2	60622.4	TRUE
130332.5	103100.8	130239.9	133882.3	115930.4	130550.5	118298.9	139571.4	TRUE
82495.8	128713.1	74129.7	59937.7	75584.7	63991.3	110580	98255.8	TRUE
35955.4	37534.8	24255.5	31968.9	41198.1	33945	38696.6	43828.7	TRUE
147245.2	134089.6	76645.9	155025.1	139451.1	146791.4	165103.5	201679.8	TRUE
736834.4	663843.9	610113.7	706214.8	668223.4	650043	691592.8	683312	TRUE
488394.8	478311.4	433672.6	497419.8	474688.2	505923.1	477738.6	506324.3	TRUE
110832.1	182981	113616.3	139102.7	116837.7	125389	114040	99998.1	TRUE
141938.6	136531.5	197934.5	176901.5	167227.8	158789.6	148816.5	162536	TRUE
80998.2	116937.4	111500.4	106022.3	201668.9	120205.6	100670.7	101274.9	TRUE
131830.9	136209.6	176591.9	160471.8	98828.9	154564.2	193150.8	162921.8	TRUE
88420.4	100585.7	70928.6	65513.2	98313.7	87188.3	102006.7	95040.5	TRUE
21295.9	24510.5	19592.2	12601.8	15202.7	9794.1	19547.3	11109.3	TRUE
94477.2	123627.8	50779.9	77795.1	53715.8	80371.9	136575	97399.4	TRUE
76821.8	77786.8	62021.7	88125.9	78772.1	95305	57978.2	79423.1	TRUE
100057	59535.5	66310.2	83553.3	79077.7	127435.5	105431.8	109138.2	TRUE
105853.5	91750.5	102902.2	85226.1	92147.3	100435.8	82204.9	94471.1	TRUE
182572.1	221559.9	221812.8	135935.4	113545.4	223049.3	206779.9	121226.6	TRUE
142906.7	98364.2	151192.2	146554.6	154056.9	151193.9	119776.6	155859.1	TRUE
51386.7	53977.2	43584	56516.2	56294.9	55455.3	51366.2	52562.9	TRUE
49027.4	51538	56240	65074.6	75965.5	48648.3	60773.6	82180.9	TRUE
91881	100081.6	64433	107848.6	178199.8	60270.7	95964.1	163074.2	TRUE
82905	72770.5	97557.2	77605.8	76947.2	78082.1	73496	81803.9	TRUE
29280.4	43989.2	64992.3	25509.2	36935.8	67477.4	57522.5	46829.3	TRUE
139932.9	125205.4	146318.2	121738.2	103936	195667.1	145652.2	106362.2	TRUE
51179.6	54804.4	44307.8	36660.3	38919.5	96034	74695.3	56894.1	TRUE

64371	58170.1	50343.2	47331.1	78384.8	112840.8	69990.1	70716.2	TRUE
66443.5	18867.1	32259.8	41409.5	26488.2	46906.2	42844.1	34678.3	TRUE
20438.9	35017.5	27418.9	28756.8	19948	35477	27590.3	31779.9	TRUE
219937.5	169598.1	156583.2	231477.9	140191.2	384640.9	244454.3	200126.8	TRUE
472086.9	466740.3	316732.1	302001.4	378673.8	344666.6	389804.8	337183	TRUE
134633.1	180237.2	106355.5	98889.6	128426.5	106419.2	149233.7	148488.8	TRUE
70852.9	73754.6	38457.1	53202.9	56793.4	41187.2	82259.4	56737.1	TRUE
198647	223147.8	282237.6	258508.4	152254.1	197986	209715.2	145944.9	TRUE
46814.4	37856.1	68252.7	44475.4	32223.8	60615.3	52079.7	12415.6	TRUE
25006.9	7660.9	30854.9	28377.7	7646.4	32193	31580.3	34089.4	TRUE
17389.1	21943.4	28324.6	8976	7660	24139.9	13324.8	21474	TRUE
40102	38477	51340.5	41679.9	55235.1	49527.3	45008.2	43059.5	TRUE
86869.3	75211.1	121559.6	70247.4	52675.3	124440.8	89688	67355.5	TRUE
254117.1	290529.5	194188.3	276643.9	223743.8	216473	275641.8	240837.2	TRUE
219459.7	231761.1	228377.7	255090.2	209563.3	265536.3	214768.3	246540.4	TRUE
209054.2	179935.9	234696.9	277467.5	229743.3	218287.3	197981.9	225078.1	TRUE
21531.1	35612.3	27077.5	25294.2	20201.6	28962.2	13630.5	29924.9	TRUE
37992.3	25101.4	36693.6	25195.4	27668.2	55780.8	41933.6	43626.9	TRUE
47689.1	49055.5	58628.3	29020.3	26312	58960.3	34774.8	28323.1	TRUE
15095.7	21047.9	24428.3	22464	14138.5	21561.8	21775.4	19361.3	TRUE
152804.8	127744.1	184043.9	147637.9	164883.1	172618	136590.2	164189.9	TRUE
141059.1	157670.2	128195.9	160361.7	137098.7	171750.9	147943.3	128158.3	TRUE
256985.8	249513	308916.7	258311.9	229171.3	315871.5	265786.7	262089.7	TRUE
71702.7	69888.1	128009.5	102426.9	103819.8	85154.5	69647.8	92341.3	TRUE
33445	35026.7	70294.9	29469	28367	63398.6	39534.7	35824.4	TRUE
282705.7	203045.7	196001.1	245965.1	301737.1	221254.8	205727.3	249160.3	TRUE
77021.3	99889.7	137227.6	99305.4	74603.5	134030.2	75794.2	83727.2	TRUE
92418	84658.2	67998.8	81071.6	70392.4	83610.8	83082.6	66672	TRUE
8190.6	10518.8	7427.1	8860.6	10088.5	6566.5	22470.8	6642	TRUE
35684.2	49154.2	40077.8	27421.5	44739.1	24688.2	38235.5	38891.3	TRUE
87297.4	117146.1	75615	103803.5	74717.9	80613.5	108006.1	67930	TRUE
254091.8	239284.5	223656.7	257891.5	211557	212848.5	245842.3	235779.9	TRUE
18645.9	25958	26268.4	20502.2	26641.9	23334.1	29330.1	20332.3	TRUE
154721.9	161932.6	225609.8	201387.2	153658.3	198584.2	137079.8	181976.5	TRUE
39337.3	37426.7	28630.7	37821.6	44123.4	43825.5	32053.9	43152.1	TRUE
168200	142092.3	117565.8	142519.6	154887.2	170969	199131.5	182050.1	TRUE
121570.5	95691.7	130628.9	121124.6	98587.1	138430.7	101002.3	95939.7	TRUE
34957.2	7514.7	46256.9	60497.6	8562.4	40928.3	12646	13946.8	TRUE
97483.7	97193.1	77980.7	74851.5	92020.9	88532.4	98296.1	88418.8	TRUE
193121.7	161889.5	365776.4	113346.1	102409.2	341830.6	184698.3	108912.1	TRUE
247337.1	288207	326797.9	250360.8	224352.5	361520.4	284772	229806.1	TRUE
296982.9	207665	236868	276711.5	412671.8	299696.7	266897.2	318276.2	TRUE

35718.4	53884.9	39500.3	32253.4	30679.9	31301	31642.7	32498.3	TRUE
8774	6133.6	11890.7	9225.1	14755.8	22256.7	6687	6587.3	TRUE
93709.2	73293.3	82494.2	86688.5	44780.2	65703.9	71260.5	63981.4	TRUE
29567.6	33720.2	36032.2	29679.9	29817.5	29407.9	35500.6	28424.4	TRUE
8433.6	12542.7	18190.7	6934.1	26696.1	32866.9	16722.5	14876.9	TRUE
19478.9	9549.5	25469.1	38772.1	32815.8	31561.6	27553.7	8083.5	TRUE
59928.1	47846.1	47205.8	49373	141336.4	43131.4	41894	55398.5	TRUE
80242.1	72599.4	77038.3	68197.9	77036.3	84835.5	67798.7	58276.7	TRUE
75723	75061.6	83662.9	60036.2	59228	63274.6	63045.9	50466.1	TRUE
146579.5	109742.7	114097.6	106119	86526.8	121107.9	103687	120424.8	TRUE
16533.1	21043.1	10698.9	10808.7	5503.2	8481	9887.1	6564.8	TRUE
86879.4	62881.1	96414.2	118542.5	89247.9	106102.1	108928	108603.2	TRUE
123087	148354.2	177029.7	128889.8	136814.7	171190.7	136059.1	127443.1	TRUE
23775.2	18847.4	8247.1	13430.3	17786.2	10352.1	13103	11935.5	TRUE
281668.6	200321.6	237925.4	290209.4	183437.5	294135.9	320059.4	316425.8	TRUE
302611.1	247443.6	312022	327043.6	255981.3	362391.5	260761.1	337872.3	TRUE
16035.6	8715.7	18949.2	12620.2	7284.8	10163.6	7086.8	27126.7	TRUE
30147.7	19576.5	34601.2	21813.7	7756.2	56371.8	14892.5	15973.6	TRUE
173157.5	168076.8	192143.5	186942.8	287204.1	168660.9	182518.3	190461	TRUE
16330.5	11511.5	27399.9	4728.3	6664.5	36477.8	8109.4	7426.6	TRUE
54675	86060.9	131735	74840.8	48491.5	56619	49554.6	48685.4	TRUE
251783.6	367851.5	180950.4	200397.6	260946.2	197484.3	341047.7	253870.6	TRUE
46127.3	71720.4	46575.4	40186.6	52567.7	28533.5	80997.8	48751.4	TRUE
527220.6	923790.2	240301.2	264505.7	263650.3	266902.7	362254.1	302781.3	TRUE
240640.3	232217.4	260204	180539.5	229837	274540.1	220034.5	235198.9	TRUE
136500.8	85654.7	98097.7	111833.9	117419.6	82043.8	114645.4	111069.8	TRUE
29881.8	33000.6	41548.6	32513	26889	38908.5	41295.6	27354.8	TRUE
262520.1	359766.2	288156.5	242644.9	248751.8	293820.8	341645.3	226893.8	TRUE
170665.5	216128.4	210423.9	154245.4	137823.7	172980.5	208726	139339.5	TRUE
62251.9	56762.1	60126.9	75324.5	53008.8	58538.1	57357.3	65608.2	TRUE
23800	10662.1	20645.2	9581.5	25941	19581	11330.8	9537.3	TRUE
151469.7	141519.6	150779.3	122000.9	84060.2	189025.7	144838.7	109986.4	TRUE
38997.5	30212.4	68560.2	34458.5	33152.2	71263.6	39833.2	28929	TRUE
101860.8	94777.8	180774.1	89034.6	62616	176099.5	76097.3	60677.3	TRUE
20193.3	9641.6	30185	35175.3	21066.1	8147	14436.5	12596.6	TRUE
47876.1	36822	43652.9	57348.9	40457.3	44950.2	52825.9	54389.3	TRUE
61507.8	64110.5	62231.6	72637.8	65718.9	68194.4	56179.2	57449.5	TRUE
9342.1	10201.7	24148.9	11536.8	4396.3	8705.1	9026.7	8076.6	TRUE
43469.7	27122.8	31512.4	40180.2	46029.9	54914	28341.3	45621.3	TRUE
124487.3	133312	195721.9	114309.2	103666.4	192239.3	134667.6	106996.4	TRUE
19376.5	16725	33566.5	9402.9	19256.3	47785.1	31054.4	14483.7	TRUE

370982.3	312112.6	277973.4	340755.6	265580.4	294444.1	348737.9	307392.6	TRUE
67332.5	75193.8	70890.8	61387.9	73774	70407.9	64625	73059.5	TRUE
248222.9	248250.3	302956.6	233326	250968.7	202088.1	243483.8	254373.8	TRUE
144282.9	121523.3	156233.5	145175.3	104905.1	152965.3	107713.7	122285.5	TRUE
138094.3	119247.5	162153.2	141763.4	115175.9	175121.2	119311.6	112401.8	TRUE
31656.7	35407.3	36895.9	35116.3	27667.6	48604.5	32021.6	47595.5	TRUE
23687.2	11017.4	9087.1	11688.4	20322.7	33514.3	10242.3	26639.9	TRUE
365926.4	288307.3	309578	340279	402650.9	407212.3	355981.2	384821.5	TRUE
278517.9	306507	324948.6	277419.8	240102.8	305971.1	322755.6	257729.6	TRUE
143211.2	100348.1	132557.5	138323.3	174663.4	125969.7	130720.5	152047.7	TRUE
38614.9	23264.1	40997.5	33776.8	25617.4	48270.2	36587.9	26879.4	TRUE
132171.4	145277.4	182230.1	127460	95664.7	198326.6	130065.3	116524.7	TRUE
380375.6	341534.5	384650.5	367943.4	428025.7	407264.6	332966.8	400361.5	TRUE
130292.5	146749	97468.6	137641.2	132907.2	121448.6	134348.6	123844.2	TRUE
61923.8	70209.3	79086.2	65216.7	65116.4	63206.7	71455.7	67717.5	TRUE
414101.2	276237.2	349181.9	335493.2	360468.3	377279.1	363642.8	381319.8	TRUE
209524.3	188033.7	186637.4	176316.6	211092.3	222634.6	167469.7	200479.7	TRUE
349548.8	309447.1	339183.5	336534.2	367406.2	314493.9	286164.5	315995.6	TRUE
95844.8	88219	110700	80405.6	60431.2	194383.4	99092	111745.6	TRUE
819511.7	737862.1	978676.5	997564	849648.4	683461.8	593006.9	719224.9	TRUE
204562.3	206251.7	198231.2	202489.9	215297	196214.7	210206.4	220223.9	TRUE
37264.3	29661.9	44734.3	44037.3	42052.5	43071.5	42351.6	48506	TRUE
43426.4	36981.8	35679.8	30974.1	51449.7	32897.6	31843	35899.4	TRUE
384658.4	323107.5	424664.8	434378.7	369886.1	452380.4	335138.9	391971	TRUE
150305.1	113720.9	85728.1	96250	153740.1	149769.7	114807.6	185453.8	TRUE
469593.3	357808.7	405393	487022.9	481642.1	504663	389993.1	456573.9	TRUE
15744.8	28977.3	14464	8323.5	15222.6	13866	35503.8	13082	TRUE
56871.8	101696.1	62137.7	71134.9	42141.4	49515.1	81935.1	36351.5	TRUE
59901.5	94276.8	41446.2	39047.8	60277.8	46823.8	73083.1	60127.4	TRUE
41872	45251.5	51298.6	54786.4	49548	53579.2	33673.3	43307.8	TRUE
144759.6	129345.4	116955.1	112340.4	169556.5	158441.3	128378.8	172007.3	TRUE
87459.9	96506	76187.2	89736.5	63414	96558.1	114775.5	80883.7	TRUE
74407.5	42859.2	80553.6	70399.1	42110.6	71337.7	58082.7	73098.5	TRUE
89180.4	81190	64559.4	71741.3	78574.5	58542.5	84140	84656.4	TRUE
125947.2	117338.6	86023.3	111636.7	101229.7	105909.9	132040.4	132830.4	TRUE
332484.9	214261.5	376767.5	432600.5	227761.7	323913.8	317935.6	341902.5	TRUE
51180	32694.7	56291.8	43004.9	43151.2	62528.1	46225.8	40695.4	TRUE
21914.5	15336.9	22530.1	25049	27917.9	8253.3	19750.7	9668.1	TRUE
86293.6	85645.7	123464.8	88145.6	85413.5	127259.9	92223.2	78699.6	TRUE
109111.7	133360.8	119622.1	115728.8	97922.7	119905.6	139920.7	137457.3	TRUE
83176.5	105011.3	99945.6	90836	124019.4	112781.9	80212.8	95654	TRUE
78997.2	95854.8	65518	125008.1	56129.1	64808.6	78117.2	52304	TRUE

111594	99826.1	82181.9	88187.1	82076.8	101381.4	118557.7	98934.3	TRUE
53589.3	36376.1	74479	64927.3	43558.3	38984.8	46019.6	46580.9	TRUE
24624	33147.7	9223.9	28778.3	22492.6	28384.2	26418	23117.3	TRUE
58834.1	35437	58816.1	100756	65863.1	144933.5	97564.2	60824.1	TRUE
32451	37408.3	28053.6	32063.4	65813.2	27108.6	38915.2	66627.4	TRUE
55596.6	52643.9	36388.8	57769	50497.7	64127.2	61448.6	74023.8	TRUE
128043.5	135886.3	113912.4	142052.9	143207.7	117019.5	117322.9	134464.5	TRUE
221766.2	266130.4	263694.6	190488.6	174131.4	279384.4	220911.7	188110	TRUE
23555.6	21013.8	31205.8	37872	17370.8	23298.1	29797.9	21991.3	TRUE
123399.5	90697.2	136924.4	119651.1	210082.4	100298.1	115601.6	106517.5	TRUE
228274.2	222939.5	239051.1	255761.4	270754	206286.7	217501.3	256863.7	TRUE
12847.7	22426.5	26983.7	4696.3	6958.4	7333.1	5103.3	7418	TRUE
413233.3	368648.7	403834.9	378404	316860	476445.3	394936	306879.4	TRUE
8531.4	10071.7	9255	10285	7074.8	7866	7182.9	6470.9	TRUE
257313	271028.6	195939.7	272183.7	278663.6	334807.2	358441.8	356381.6	TRUE
114112.8	81113.3	167130.9	111799.8	91109.7	167010.4	113999.6	90952.3	TRUE
275269.7	272670.1	281886.3	247846.8	211858.4	331413.2	255970.1	233695.2	TRUE
37413.2	26318.3	37712.9	30491.7	47178.1	48580.3	38538.5	27187.6	TRUE
119360.2	92686.1	195578.9	103223.2	120703.8	187708.3	127959	120061.7	TRUE
35804.4	39059.8	54628.8	31769.8	38897.8	53630.3	31561.4	35405.7	TRUE
9526.8	11998.9	5956.7	9200.7	6204.4	17892.4	10077.4	9112.5	TRUE
94305.7	84073.3	114145.3	74801.7	85822.4	123063.6	109816.1	82863.2	TRUE
398736.4	356701	371543.7	418975.2	431938.3	428566	356607.9	408094.7	TRUE
47826	67104.6	33874.2	78234.1	78083.5	30906.6	58537.1	57442.1	TRUE
118355.8	94867.8	104762.6	133496.4	131039.6	120516.2	93043.2	138376.4	TRUE
195478.5	259751.3	136740.3	159022.2	178155.9	143398.7	234056.6	185194.7	TRUE
194893	181270.6	171647.4	170274.1	183931.7	173159.7	226916.7	185614.8	TRUE
108929.7	117503.3	65990.5	109753.9	87647.4	81964.5	149846.2	125234.9	TRUE
379521	410266	345131.7	318900.8	346812.7	419263.2	393619.4	408998	TRUE
83799.1	84071.5	60278.7	75654.1	68267.3	72129.7	89115.7	80487.4	TRUE
126068.6	140547.7	101608	121673.2	134574.6	96675	117943.8	139617.3	TRUE
94709.4	94044.3	123527.8	78021.8	70757.1	121209.1	90459.3	84966.4	TRUE
64685.2	73456.6	80370.4	43315.6	42279.3	88435.4	45338.7	42602.9	TRUE
34767.9	11664.4	36527.2	39424.5	50570.1	31552.2	36039.8	41609.4	TRUE
9931	11590.7	7649.1	29017	6103.3	9652.4	13809.7	14205.9	TRUE
88008.3	62070.9	94478.7	104750.9	79476.6	99669.3	76340.2	101311.6	TRUE
105905.6	119395.2	138150	103824	115819.1	121848.6	131812.3	137015.3	TRUE
52410.4	53021.1	72426.3	58076.7	44985	38920.1	53634.7	53402.4	TRUE
102850.3	145440.8	86880.1	104713.4	131856.9	95192.5	133574.6	127557.8	TRUE

104290.5	97029.5	138800.8	99724.4	89954.4	152258.1	78554.7	78319.3	TRUE
71691.3	59672.5	66011.9	66459.8	56144.8	76067.4	89462	67697.2	TRUE
312919.7	296331.4	266145	254131.7	248812.3	294561.2	285204.7	268215.9	TRUE
88397.2	90330.4	89138.3	82805.9	94435.1	124787.1	84300.4	79744.8	TRUE
555129	407869	570403.7	631328.4	635216.5	560671.4	493516.9	594042.8	TRUE
340357.6	240243.1	353090.3	414924.6	383901	365146.8	297818.2	377515.1	TRUE
503487	646354.9	671574.8	400547.8	460780.7	681740.8	672391.5	450809.9	TRUE
793802.9	898772.4	894804.6	658148.5	614120.4	997056.5	967015.9	689225.1	TRUE
702266.1	542557	759501.5	824221	877598.7	797925.1	704599.2	826059.8	TRUE
34329.8	32394.4	32740.8	33695	41989	42246.7	24991.9	40245.2	TRUE
141079.1	169982.5	128246.3	215433.1	216022.5	81939	77365.3	92333.9	TRUE
92999.2	201608.9	135980.4	249579.7	276632.9	30368.3	10825.3	32628.9	TRUE
27064.6	42191	40589.2	40364	44131.6	24578.7	32800	35829.8	TRUE
54579.1	26011.6	44696.3	35380.8	46341.7	44452.8	53330.6	44184.4	TRUE
99423.7	85218.6	95342.9	100916.4	98103.9	104384.9	87403.3	97875.1	TRUE
1261112	1302416	1006141	1101186	1286440	1493222	1415376	1484829	TRUE
1663256	1240202	1865747	1866474	2042725	1398955	1264342	1409433	TRUE
45992.7	42635	31999.6	40112.2	48315.3	59147.1	42095.5	60475.4	TRUE
129038.9	154186.1	98806.9	138232	152829.4	188115.4	151956.9	169946.3	TRUE
181234.6	187864.7	133221.6	138844.8	177359.9	219746	189975.5	184872.5	TRUE
121633.7	115245.8	82954.8	95079.8	108088.5	122240.5	108065	129174.2	TRUE
216777.4	228757.7	167361.8	177985.6	205381.4	265766.8	241043.7	231527	TRUE
154964.7	148077	123726	118452	143368.9	168561.2	162174.5	176367.5	TRUE
200183.8	187311.4	121806.3	165150.8	184538.2	251251.7	210606.5	244773.7	TRUE
85209.6	109061.6	79142.1	74521.7	92999.1	121658.9	109186.7	108627.7	TRUE
123533	125204.4	101323.9	91358.7	99143	152087.9	133369.7	128421.8	TRUE
67532.1	91415.7	57502.6	81951.3	83048.8	92275.9	73969.9	93992.1	TRUE
75495.3	91553.6	68616.6	76191.5	72590.7	92225.5	82582.7	109505	TRUE
82788.6	83252.3	68439.2	78772.5	66639.1	106117.2	80956.5	93495.4	TRUE
109454.6	107643.3	91621.3	87143.1	104672.3	124877.5	123337.2	126444.7	TRUE
82595.6	85490.7	53023	61612.4	87233.8	90740.7	76067.1	95702.8	TRUE
49121.6	38392.7	32203.9	39279.3	36917.1	46208.8	35015.2	50854.3	TRUE
86958.5	131033.3	102194.2	95107.3	127055.8	93874.7	65056.1	96539.5	TRUE
49567.1	44207.2	40023.8	44557.1	54461.8	45435.1	51601.3	39332.4	TRUE
129294.6	106864.2	92957.7	89512.5	112714.9	116120.2	115157	99466	TRUE
32824.7	65159.7	141538.6	11195.8	19694.4	15982	7300.3	9421.3	TRUE
34355.6	114568.1	276757.7	19892.5	16124.4	10910.4	11702.1	23423.3	TRUE
32715.7	153375.1	276912.1	32857.2	21837.3	47179.7	27871.1	21273.8	TRUE
203475.7	124170	187414.3	109941.9	179570.7	193751.8	135652.5	162384.5	TRUE
815469.5	585554	738066	522683.5	810304.3	767393.5	594777	711809.2	TRUE
61844.4	69417.6	77122.9	89117.5	95473.4	102445.1	82557.2	94733.7	TRUE
57090.1	71577.6	66266.7	83619.9	104494.3	40417	44542.1	45901.6	TRUE
77743.7	124520.5	76836.7	85714.4	90639.6	61651.8	70240.3	40269.4	TRUE
33590.3	90245	43506.6	44143.9	94331.8	28138.4	16384.3	15192.5	TRUE
219235.7	200746.8	217969.7	200625.2	266049.9	189599.5	238895.3	179015	TRUE
37059.1	33602.8	67746.1	59662.9	58919.7	10814.1	22422.7	13459.5	TRUE
33453	57604.4	44623.5	47125	61285	24150.5	22176.5	15264.6	TRUE
73662.5	68334.3	69185.6	75016	67759	61655.7	68703.6	73242	TRUE

203526.3	158945.6	168336.7	182342.1	154872.6	152056.3	164043.6	170861.8	TRUE
27096.7	26005.3	22438	20869.5	26620.7	25024.5	25241.2	34668.4	TRUE
107693.3	76739.8	92443.2	86265.5	151060	76738.8	123969.8	104717.2	TRUE
113898	90011.2	118152.7	99357	96591.3	99725.4	97395	117777.6	TRUE
294003.4	212366.6	245718	237866.6	229133.9	384456.4	288352.8	292261	TRUE
171024.4	112230.3	117620.3	115931.5	126731.4	158950.8	122366.1	147551.5	TRUE
92879.7	54816.5	83448.6	70981.2	78944.7	103980.7	81666.3	91496.7	TRUE
137467.4	87171.7	110632.8	112214.5	90767.6	130896.3	106655.7	95749.8	TRUE
121199.8	244315.4	178697.8	225885.9	289013	108549.2	133801	117183.7	TRUE
154690.3	228195	394487.4	167703.7	127224.8	157773.1	150511.5	141379.2	TRUE
105737.9	83991.2	100135.5	105982.1	123210.8	112250.2	105416.3	112459.1	TRUE
239879.8	382973.9	425579.7	206827.4	245742.4	204006.2	281871.4	239966.7	TRUE
177110.3	156259.5	152833.1	157190.3	165590.5	173058.3	172016.1	167816.6	TRUE
204304.5	163236.6	125228	120980.9	200594.2	186747.1	200505.9	179436	TRUE
60165.2	61678.4	55879.5	75718.3	60915.7	60034.5	69281.6	68423.4	TRUE
408615.2	373268.4	402355.9	487181.3	468557	417154.3	538226.9	480609	TRUE
51026.8	56756.5	65099.5	84121.9	68390.8	42575.2	78451.9	54681.8	TRUE
331191.1	374963.1	345785.4	437766.9	438433.2	405546.2	469748.7	451073	TRUE
95486.6	107088.1	167995.7	113735.7	119305.2	331158.5	120880.5	100450.6	TRUE
109361	114068.4	105401	133451.9	113151.6	87296.6	89646.8	97460.8	TRUE
77533.5	80742.9	82638	62056.7	92273.4	47758.6	38257.2	38601.9	TRUE
402812.7	344224	297344.4	403377.2	274744.9	382347.7	359757.2	330822.4	TRUE
5096314	5418737	6235005	4801024	3952793	6698781	4996353	4460992	TRUE
86984.4	92933.4	119417.6	81562.9	75591.9	97824.8	104219	82396.2	TRUE
278030.1	164263.6	181747.9	126913.8	121751.4	154071.3	141342.2	160395.7	TRUE
141286.1	121996.9	178851.5	162379.5	120793.3	169037	149841.6	132069.8	TRUE
170460.4	179569.1	218859.1	161403.3	140950	196027.2	185449.6	151894.7	TRUE
211648	198928.1	224432.9	258999.9	231240.4	215308.3	206207.7	210398.5	TRUE
175744.8	165299.9	212263.8	191197.3	136453.2	203215.5	210172.1	142632.7	TRUE
254810.7	242712.1	285959.6	254391.1	220515.6	307792.4	248757.3	224269.9	TRUE
164872.9	96432	113642.5	157459	137878.6	147109.7	123736.8	161333.8	TRUE
33130.4	22034.9	31737.8	18093.4	40003.3	29257.5	29337.1	24889.9	TRUE
85923.8	86443.4	100478.1	115336.3	97072.6	111602.9	99417.9	99512.1	TRUE
100391.8	131444.4	114543.8	125574.9	108839.2	77192.6	92524.5	82621	TRUE
63166.4	67791.3	47187.5	52209.1	68247.7	56415.1	64852.5	68364.8	TRUE
82801.9	79712.4	57838.4	71748.3	84368.5	108314.2	94535.1	121240.6	TRUE
225459.5	262662.7	223027.5	319159.7	262215.6	229717.9	254471.7	245413.9	TRUE
78555.8	57258.5	39691.2	59418.6	65301.6	73332.2	100510.3	82951.5	TRUE
124421.6	104947.4	143208.4	176655.5	113290.9	110663.2	171815.4	158341	TRUE
271920.4	285726.8	166650	192978.7	246383	220498.2	239570.1	233768.4	TRUE
232658.5	220177	188631.9	142407	182188.5	232057.6	226641.9	202495.5	TRUE
356343.1	399711.8	392309.3	394611.4	306763.1	317801.5	371314.3	319684.9	TRUE
209657.2	205511.2	284615.7	341455.4	206308.1	256258.7	272367.5	226048.6	TRUE
83547.7	67041.6	55246.8	75045	58340	79272	96729.3	78709.3	TRUE

79540.3	78129.4	82202.7	81929.2	66030.8	95110.3	101698	119613.9	TRUE
108541	114710.9	69425.5	100064.7	81729.4	141844.5	153274.4	131422.2	TRUE
94686	89013.1	85885	88426.5	87796.4	100973.8	114260.4	95936	TRUE
331357.3	282787.2	425789.2	245747.1	215233.4	427003.7	292224.4	232895.2	TRUE
346177.7	332350.2	438787	295367.3	287113.6	399049.8	341506.9	270226.5	TRUE
257583.2	274025.8	452961.3	291163.5	275731.5	460442.4	322218.5	260926.5	TRUE
40727.5	87027.6	77313.3	68909.6	62978.2	51699.8	51130.8	27488.5	TRUE
143536	135631	190695.2	117207.1	127220.8	178142.3	123682	122100.2	TRUE
1175678	721260.7	1187753	1138544	1683220	984677.3	848726.3	1037069	TRUE
2928599	2129184	2752128	2707941	3868548	3243232	2189265	3263607	TRUE
40439.2	23128.8	43872.8	11058.4	44718.1	25598.3	24720	36845.8	TRUE
207720	180783.3	242697.2	166924.7	115969.8	263175.8	180674.3	139135.4	TRUE
183089.4	166567.2	279979.5	164821.4	145164.7	279700.7	178550.8	154561.6	TRUE
610960.2	582974.6	817067.4	598060.8	578653.9	828048.9	620739	616937.2	TRUE
205715	234184.2	182865.4	254082.9	227173.8	175756.6	241693.7	273874.3	TRUE
272203.5	276408.7	200411.8	294329.5	286085.9	214274.2	322136.5	305761.1	TRUE
252584.8	273486.9	174805.1	280813.1	300113.8	195992.9	299041.6	292656.3	TRUE
91644.2	82391.3	64832.4	89210	103616.2	63117.7	109824.1	107759.4	TRUE
39102.3	47308.8	37826.9	31024.9	46014.7	20543.8	41376.1	37158.6	TRUE
37712.9	30764.5	38887.2	25623.5	42658.4	30794.9	44305.7	32834.3	TRUE
66951.6	110745.1	70673	94544	76973.8	54850.5	64424.9	56303	TRUE
30468.2	44120.5	27686.9	32221.7	47219.2	14873.3	12950.4	10936.9	TRUE
19460.3	4755.1	7251.4	9888.3	13824.9	10909.6	11949	12338.5	TRUE
59312.4	70059.1	70347.8	57777.4	54114.8	56169.2	59049.4	51498.1	TRUE
893460.5	835811.6	1097362	1432083	922483.1	1345384	1245735	1053943	TRUE
61487.1	70248.8	94691.4	113121.9	95033.3	101114.7	117256.7	95840.4	TRUE
222463.8	447572.9	297788.8	489344.6	526864.8	117843.4	116085.5	147928.4	TRUE
1707775	1244153	961679.4	1213665	1266292	1532149	1071106	1875020	TRUE
672897.2	473135	527895.1	633710.5	619639.3	742460.1	535366	768562.8	TRUE
285557.6	257335.4	330159.6	309014.8	326963.4	360589.6	225797.9	301084.5	TRUE
71728.6	50876.2	71096.2	91912.1	59420.6	93428.4	68954.3	61261.3	TRUE
163173.8	146266.1	145917.8	174730.3	160674.8	156577.2	153414.9	154311.3	TRUE
325418	304198.4	329414.2	320108.9	284297.7	340615.5	354183.6	260250.1	TRUE
812160.7	567879.5	800581.6	778377.3	795649.7	812213.6	644572.3	813147.9	TRUE
66847.3	48857.2	58202.1	64768.7	61926.5	87123.2	57988.7	67084.2	TRUE
223922	212662.3	162805.9	206672.5	183144.4	219991.2	209030.9	245050.9	TRUE
29007.5	21288.6	8804.6	22180	27983.9	30961.5	16095.7	33531.5	TRUE
84582.7	78866.3	60915.9	60653.4	81895.3	104524.8	105144.4	98671.7	TRUE

26725.4	29930.5	32261.7	33827.8	32462.6	29979.4	27576.5	39161.5	TRUE
113637.3	138422.6	184885.1	137313.5	111415.7	130153	117543.3	120506.9	TRUE
85465.2	72418.6	69321.4	70202.6	69014.9	75510.7	72371.7	80035.9	TRUE
63536.7	67241.5	57456.6	44676.6	54548.1	44899.5	76191.1	58869.1	TRUE
146072.9	125628.7	148487.6	151295	141732.7	102595.5	111308.9	119487.7	TRUE
207334.8	151457.3	271774.8	284108.4	203629.4	197086.7	210874.5	207587.2	TRUE
910376.5	757464.5	1159555	1241014	883980.3	893348.2	873578.9	863487.8	TRUE
148348.5	186686.1	105778.2	145271.9	99760	110840.8	184350.4	123219.9	TRUE
302817.2	225535.6	300148	309728.7	268609.6	256172.9	255037	268770.3	TRUE
134185.9	105156.1	147134.3	170263.8	125900.2	146781.3	136930	152014.8	TRUE
38161.6	31015.4	41997.5	41094	43926.8	34777.8	36495.8	48214.5	TRUE
424085.4	379576.2	364434.6	362007	329229.4	435393	422103	441458.5	TRUE
108373.5	88944.2	102591.6	119298.6	81233.8	134462.8	113078.2	106802.7	TRUE
99536.9	86188.3	79654.6	91810.7	88851.4	82617.7	104600.1	110547.8	TRUE
27022.6	30560.3	23336.7	9868.2	9926.5	46347.4	38308.4	16430.3	TRUE
116543.9	78549.7	97352.9	99491	101461.4	169450	126103.2	106924.1	TRUE
78081.9	44670.4	67802.6	72088.4	77928	79770.4	59750.1	56679.3	TRUE
141401.4	119560.8	141130	127068.2	123462.2	115740	104112.5	98652.8	TRUE
228098.3	229636	300520.2	204719.6	179869.1	318740.1	263674.3	193638.4	TRUE
250339.3	253385.4	304197	240220.1	199907.3	346174	266655.4	191564.5	TRUE
16411.8	12117.4	4582.7	10878.9	6185.2	4242.1	7159.7	5356.8	TRUE
93815.9	80120.6	73691.4	121369.5	88503.3	68269.2	96520.1	91334.3	TRUE
47698.1	48193.8	31440.2	45186	50393.2	41164	46410	38421.1	TRUE
90565.4	76805.6	58741.1	64792.4	69781.1	73544.5	78422.3	82581	TRUE
246237.6	227932.6	231330	229356.7	210806	261379.9	238914.4	224597.4	TRUE
272859.6	275268.7	246952.6	241708	285116.7	254817.8	289623.5	259281.8	TRUE
109785.5	79342.1	126031.7	69613.3	76710.6	189258	122934.8	108310.3	TRUE
66376.3	52882.2	66968.2	58929.3	90098.4	58970.2	54870.2	58699	TRUE
51267	30891.8	51270	42026.4	50957.9	34938.4	32937.5	47182.6	TRUE
34153.8	31192.2	30377.5	32493	27256.3	40267	16023.4	28761.1	TRUE
8307.8	22875.2	16570.6	27539.4	29392	4451.3	31685.8	10880.4	TRUE
271257.1	316868.5	277435.6	228059.8	220035.3	304165.6	285457.2	222145.5	TRUE
218948.8	261089.8	213591.8	226863.3	246119.9	245497.4	280251.4	259244.6	TRUE
371157.8	320519.7	441755.2	500254.2	382071.7	377648.4	289881.9	354207.9	TRUE
24428.4	26301.9	35167.5	29578.5	28228.3	36777	33876.3	25251.9	TRUE
29865	28796.1	28617.6	23488.6	26264.1	35455.3	22451	18649.8	TRUE
149078.1	155379.3	138227.1	139818.9	151729.1	162181.7	196513.1	140899.6	TRUE
389508.1	335371.2	414301	422254.9	393836.4	433282.2	352451.9	423301.5	TRUE
195842.5	185617.9	183395.8	199648.9	151030.1	216449.5	194295.6	146669.9	TRUE

319267.9	354329.6	291308.8	275126	268262.5	304710.2	330492	281896.5	TRUE
144693.7	122256.9	167537	118324	138608.5	180494.4	106706.1	147289.4	TRUE
211054.1	141784.5	183639.3	257748.1	243370.4	203761.1	208179.9	204620.3	TRUE
664714	563817.2	614087.3	649669	703366.6	651714.9	559559.6	673447.6	TRUE
65978	61676.4	65080	53145.5	48905.2	47876.3	58619.5	56584.8	TRUE
1144599	1100877	1231000	1273503	1047111	1269566	1314391	1019612	TRUE
90852.3	82804.9	92213.5	117599.4	86314.4	118454.6	105670.9	88560.6	TRUE
11153.5	10546.1	17439.2	8841.9	12125.5	30454.1	13392.5	11920.1	TRUE
76088.6	65605.6	79997	76394.8	80635.9	72134.2	80821.7	88274.3	TRUE
100412.7	114955.1	107043	110254.2	127309.4	123359.3	99788.9	135467.8	TRUE
23078.6	25547.2	22978.2	37052.8	35337.5	26597.8	41267	46328.9	TRUE
183432.7	201223.1	178038.9	226483.3	214456.4	222821.3	228038.8	226670.1	TRUE
68370.2	73230.2	52587.6	81864	98336.7	55732.3	66953.7	80067	TRUE
122335.8	91972.6	81544.6	113235.3	124516.5	116903.5	117555.9	127643.9	TRUE
331265.7	290368.6	246455.5	264903.1	272336.5	424777.9	400998.5	454867.2	TRUE
477690	489247.8	424932.4	471169.4	458697	499129.2	501697.7	461146.1	TRUE
66574.7	77419.4	81894.4	57210.1	97012.2	69545.3	81264.6	110244.3	TRUE
40082.7	46572.9	30975.4	29551.6	37145	32174.2	35157.5	38055	TRUE
237275.1	222741.9	197033.9	229632.3	203801.6	224768.9	220040.9	236972.2	TRUE
35809	54246.3	44692.1	39915.1	31911.8	40590.3	31058.7	29837.4	TRUE
115602	102183	131785.5	116099.4	127792.9	123869.3	120980.9	115514.5	TRUE
123005.4	102293.2	110478.3	134042.6	108547.3	108386.8	91009.6	110020.5	TRUE
549706.6	452706.1	546794.4	528528.8	501059.2	554331	521539.9	548286.7	TRUE
22857.9	26929.2	26514.5	23080.1	27509.3	27446.2	16434.6	20113.2	TRUE
4271442	3961829	4045153	4141251	4325227	4267474	4024192	4300278	TRUE
141600.8	184063.3	162725.3	162121.6	136539.3	156787	145271.7	148772.2	TRUE
157056.5	122030.1	117481.8	156885.6	139266.9	161104.3	153981.9	135051.2	TRUE
321149.7	323858	267560.8	334122.9	349707.8	296170.9	326381.5	334653.2	TRUE
219175	183539.1	191291.8	207716.6	234675.5	232989.8	217360.7	244354.8	TRUE
43869.2	44367.5	27911.1	28935.3	45993.8	37927.4	68668.7	76735.5	TRUE
74764	57446.2	50763.8	61644.4	53166.2	76579.2	76328.1	76185.4	TRUE
177392.3	121031.3	160312.3	176088	221856.2	156867.7	145566.6	169549.6	TRUE
18830.6	17868.9	16188.7	20159.2	8585.8	14920.8	15080.3	17932.5	TRUE
51433.4	62608.6	66899.4	73250.7	67275.1	58859.9	67969.1	66771.9	TRUE
196018.9	218623.8	259281.4	219308.9	147998.1	264958.5	234315.7	146734	TRUE
46188.6	29404.7	35096.6	9264.2	18268.8	21301.6	27794.4	10688	TRUE
438516.4	386932.6	509993.3	466740.4	694395.3	410938.6	345991.9	415941.3	TRUE
658085.1	698114.1	647147.2	620640.3	793310.3	650015.9	764684.8	747128.1	TRUE
92842.4	84712.6	92252.2	66490.5	65788.8	102151.8	83665.3	55745.6	TRUE
213797.8	264086	187928.5	197688.4	222544.6	186150	224492.4	236377.6	TRUE
1422408	1330310	1434821	1489738	1254993	1308218	1395596	1305858	TRUE
206791.6	238840	290663	279906.5	218312.8	235695.9	254228.1	224756.4	TRUE
1012979	1013961	1204272	1183448	963047.1	963240.1	972177.6	902502.7	TRUE
59525	92507.3	105200.4	67774	56577.3	60127.4	63737.3	53106.2	TRUE
28563.4	29373.5	22561.1	43054.4	22827.6	43494.7	46263.9	42962.3	TRUE
85203.5	83519.4	55153.2	94896.6	83327	96547.3	107797.5	108801.8	TRUE
246730.8	231560.3	193412	254618.7	251465.3	268588.9	255718.2	253410.2	TRUE
502746.9	469450.5	479619.9	503899.6	413851.8	511763	528838.3	434939.5	TRUE

491195.8	412501.1	508533	507735.9	486192.9	501227.3	422173.8	515199.5	TRUE
31780.5	25655	36574.7	31089	24266.2	20793.2	24081.1	29655.4	TRUE
41766.4	41703.1	44029.9	61811.2	47316.2	38110.6	38854.6	47676.1	TRUE
25153.7	21287.4	21848.6	33071.5	21625.3	25522	23610.8	24814.3	TRUE
211279.3	180009.7	234548	333155.2	292327.1	231373.9	202002.1	236265.1	TRUE
215178.1	139102.3	190764.1	185182.6	195559.2	242165	159431.3	200004.8	TRUE
128113.1	122559.9	173198.1	182524.9	190434.4	192962.3	136855.8	166915.2	TRUE
125113.8	95942.7	104216.2	126631.3	134681.2	109788.1	124729.7	117695.4	TRUE
104264.4	110300.1	92935.7	106757.2	115896	108233.7	108623.4	112169.5	TRUE
116407.8	122505.9	123080.1	119888	119724.2	133135.9	140227.7	104728.9	TRUE
153930.9	169002.3	158139	147952.8	154723.4	164049.6	163889.1	178421	TRUE
70016.6	40200.5	84201.5	69799.7	116216	89270.1	75922.4	121498.4	TRUE
198586.5	181719.5	192659.1	196609.6	224099.4	194384.7	184052.1	192496.4	TRUE
169939.9	118286.3	178760	159850.4	222801	162265.5	147869.5	204911.9	TRUE
133219.5	111163.7	133004.8	113817	124849	125039.7	121223.9	138937	TRUE
37138.1	98012	57175.6	39886.7	79901.5	29869.3	27332.1	16014.6	TRUE
99798.7	110865.4	71377.4	97863.2	87212.9	111149.2	128923.6	90350.9	TRUE
66347.9	67735.1	49584.2	54746.2	39580.7	67220.8	92949.8	50104.5	TRUE
77111.9	62611.8	70140.2	62333.4	57865.4	76110.4	83725.2	78169.4	TRUE
180467.6	221218.1	145743.3	185190.1	152857	172758.6	172021	162464.8	TRUE
242030.6	242228.3	249678.6	229180.7	211359.5	255362.2	302573.7	239210.3	TRUE
96116.1	125785.7	67287.7	79036.3	69227.4	76715.4	107257.8	88324.4	TRUE
63164	76645.2	82211.3	63849.9	70701	87069	75259	65400.1	TRUE
129666.4	113157	132571.5	113665.4	98600.4	148501.3	122156.9	106940.3	TRUE
175712.9	168847.5	188793.1	224775.7	207937.2	158460.5	155997.3	181768.8	TRUE
67349.5	66237.2	96165.2	99320.3	56386.1	117561.1	87454.7	63021.9	TRUE
53814.6	68181.7	60958.5	43979.8	49919.5	64172	59844.4	41656.7	TRUE
56081.9	42977.2	51731.9	42152.9	58682.8	56005.5	42471	57158.5	TRUE
43315	50874.2	50266.5	66229.2	72498.5	35403.9	62121.4	64136.6	TRUE
47817.1	61692.4	27044.6	79396.6	73470.2	36474.7	90230.3	128047.3	TRUE
26540.6	28151.8	21223.7	29281.1	20365	35130.8	40131.3	35050.2	TRUE
56332.3	62712.3	61525.8	41642.4	38817	78049.8	86992.7	48746.6	TRUE
33183.5	22482.4	47881.3	21771.8	31522.8	42068	40647.2	24180.7	TRUE
60453.3	42505.6	65645.4	40395.7	30841.9	74809	77943.9	48415	TRUE
36500.6	28611.8	42540.4	27006.3	28146.7	46513.9	25078.1	30231	TRUE
83954.4	57056.7	107220.7	79704.2	108742.3	51217.1	66719	118124.7	TRUE
220903.2	233057.6	219515.1	222980.5	215631.6	218795.5	234858.4	239673	TRUE
16060.5	31186.7	14774.9	7967.9	20693.5	7908.7	22900.9	17826	TRUE
44821.6	50583	39284.9	37707.5	45969.2	45488.6	58369.5	52465.8	TRUE
51647.1	65170.9	186451.6	81319.1	61508.1	67564.7	79894.7	61779.5	TRUE
40929.6	33331.7	40982.5	34810.2	36956.5	45992.6	48286.7	44727.2	TRUE
43798.5	64628	62918.8	49050.5	43854.5	70225.3	59180.1	40081.5	TRUE
35265.7	21718.5	24923.2	26590.1	45127.2	8897.1	35481.9	26251.1	TRUE
53441.6	56074.7	59085.5	60168.4	82004.6	52094.6	45119	46958.3	TRUE
161976	147292.2	199345.3	169624.7	149802.8	224324.4	164152.9	149733	TRUE

10477.1	13225	9018.9	27484.5	9006.1	17555	7127.9	12288.4	TRUE
45084.9	45252.3	33133.8	36072.1	46552.3	37133	53044.9	35673	TRUE
104095.9	105168.1	109296.7	96981.5	114230.3	111182.3	98212.4	95154.7	TRUE
50571.9	63621.1	40075.5	59753.3	28788.6	59507	46856	51229.9	TRUE
5411661	4967207	5090044	4865246	5501258	5131145	5347590	5668997	TRUE
647791.7	651906.8	665163.4	687090.4	653916.2	702879.9	742786.8	723448.8	TRUE
105301.1	115975.6	101088.2	114864.3	94383.8	121483	129769.6	106353.5	TRUE
84694.5	99143.2	78361.2	66312.6	90943.9	72952.1	79785.4	96490.5	TRUE
193286	210700.6	162448.3	210382.7	235896.9	177543.9	204674.4	225583.4	TRUE
37510.7	34058.1	36993.4	46007.4	49141.3	30389.5	48030.9	33616.4	TRUE
98070.7	127246.2	132278.5	145574.1	109923	116139.4	138130.6	115478	TRUE
238553.9	229557.4	198758.6	219247.5	274985.2	222133.1	243475.8	280784.8	TRUE
421976.1	424535.1	434221.3	457981.1	381484.9	383189.1	442290.5	418706.4	TRUE
49339.5	49517.7	72303.1	51927.8	54203.7	49604.8	48696.1	47096.7	TRUE
268755	210254.6	253192.7	282098.9	234360.6	354588.1	247227.9	267355	TRUE
105239.3	80631.7	115525.3	118868.8	87729.7	143844.5	103778	115496.8	TRUE
116582	100174	55362.6	74533.5	169995.5	117364.5	148588.8	88600	TRUE
86178.1	77642.9	73771	63230.8	111929.6	73065.6	89272.5	77872.6	TRUE
146912	90062.9	228930.3	123137.1	132821.1	232173.2	103680.6	128325.2	TRUE
44254.4	59666.7	68557.9	47802.2	70314.6	38375.8	46902.6	38399.5	TRUE
104374.9	112396.6	139062.3	138344.2	117090.1	156876.4	117235.1	131512	TRUE
55049	57795.4	70729.1	59636.4	47861.4	77844	66914.9	50181.6	TRUE
470544.7	354768.3	798735.2	454961.6	413125.1	776050.5	390087	443038.6	TRUE
294151.8	331089.8	256296.8	283987.9	285113.5	273062.1	341563	280234.9	TRUE
768416.2	704742.3	933138.9	968522.6	642058	766762.5	717542.8	681553.4	TRUE
583737.5	590160	660129.5	662106.1	509727.8	519218.9	577920.9	540818	TRUE
337432.9	405964.6	262652.6	313663.3	325495.3	285116.6	413972.3	307157.4	TRUE
320531.8	312957.6	409722.8	389473.3	278155.8	343348.1	352224.6	323097	TRUE
140448.4	131591.3	126436.7	137556.8	138915.9	132226.8	125487.4	137040.3	TRUE
187265.9	183122.9	180997.7	199769.6	191552.1	173847.5	169607.2	186497.6	TRUE
342749.7	316389.8	338421.4	331768	363450.8	370665	367961.4	359145.2	TRUE
231497.2	272155.8	257478.7	279531.6	289059.2	244516.5	235575.1	279361.4	TRUE
150021.4	139904.7	150664.2	163363.1	163205.4	116267.6	175810.6	175352.4	TRUE
66050.6	84964.2	44924	73301.9	55158.5	47175.6	73940.4	51993.2	TRUE
99638.9	96569.7	81569.8	149120.1	86546.9	78109.2	130830	96020.6	TRUE
48496.9	53345.8	39740.9	67188.2	45017.2	50410.5	62636.6	57316.8	TRUE
123957	119388	69912.8	130607.6	101350.6	123948.2	121854.3	124610.3	TRUE
76128.6	75240.6	61076.8	98330.1	73986.1	84209.2	88281.7	114341.6	TRUE
322081.9	267458.5	442411.8	157008.8	195398.3	454578	221574.5	212530.3	TRUE
367657.5	318543.3	612866.8	276165.3	261403.7	610469.1	287486.6	305072.2	TRUE
618423.8	503579.8	1598080	337004.1	311348	1679658	584039.6	344410.3	TRUE
307985.7	137523.3	245913.1	246043.9	858747.2	159184.1	133396.2	167295.9	TRUE
406410.9	194173.5	391190.1	325135.2	1087778	194617.5	202627.4	273325.3	TRUE
66105.8	56215.8	52325.9	54520.9	62465.5	70193.2	84404.1	73700.4	TRUE
11453.6	15825.5	4154.5	11127.7	20267.2	12901.2	16024.7	15975.5	TRUE
121687.5	95569.1	147093.1	83874.9	69389.5	135268.8	107591.4	82768	TRUE

396917.9	286912.1	341525.7	353804.9	754594.9	317070	292930.1	344036	TRUE
368226	220225.9	360088	330079	829077.2	286504.7	227990.1	289791.8	TRUE
55501.9	30697.8	43367.6	50567.7	73854.1	37962.8	36123	34083.6	TRUE
46589.6	38343.3	47773.8	35216.4	51076.9	50470	47761.2	46009.8	TRUE
48228.9	49249.4	50987.1	51249.8	50424.6	54811.7	38302	42327.5	TRUE
63362.5	72504	73516.6	63481.7	57019.1	86536.1	56569.4	54047	TRUE
262262.6	236192.4	261369.3	302748.6	335466.7	266104.7	279362.8	250623.7	TRUE
265233.9	247665.6	247821.4	275893.6	267464.1	279626.5	268349.1	262096.8	TRUE
164039.1	141302.8	128244.7	143878.6	180889	146144.2	153792.8	156791.4	TRUE
136751.3	128908.2	130985.3	124932.5	151169.6	129636.1	136765.4	166822.5	TRUE
58300.3	70060	47325.9	51496	72733.8	42845.8	70663.2	58814.6	TRUE
139215	132601.5	111980.7	124962.1	125665	150731.9	143601.1	172469.8	TRUE
107945.7	98112	110206.7	100883	113835.5	91332.7	104756.2	114187.6	TRUE
51446.6	45821.1	47000.7	51800.7	55619.1	42003.3	50483.4	61662.2	TRUE
207569.9	222529.9	226436.5	177440	185229.2	171648.9	192677.2	181667.8	TRUE
65002	69445.8	108032.4	74040.8	55904.9	114620.2	66576.6	61313.8	TRUE
150395.3	115615.4	194687.5	125118.3	113651.2	205046.6	126964.7	127720.6	TRUE
268847.4	108964.1	109054.2	99968.7	85297.9	190258.5	159265.6	128961.8	TRUE
80685	80240.9	62938.2	54923.2	57847	89977.9	81041.6	93498.1	TRUE
194095.9	195811.6	168736.3	226741.1	179205.1	189713	233533.5	210858.3	TRUE
23357.7	24553.6	24496.8	39648.2	30220	34998.1	30595.5	24953.6	TRUE
154515	153695.1	150494.5	159339.7	151544	125226.5	133022.2	135209.6	TRUE
33882.5	39220.2	21076.5	46462.8	29979.2	23176.5	41500.6	30204.5	TRUE
19722.2	25641.9	26186.5	20167.8	18088.2	24375.2	41000	12388.7	TRUE
114659.9	93179.8	88621.6	132957.7	89844.7	107210.3	103379.5	145488.2	TRUE
189885.2	215266.4	246346.4	183735.9	155305.8	274933.2	200272	141496.2	TRUE
84267.1	84129.1	98219.3	79372.2	61083.9	99109.4	96371.1	65238.6	TRUE
154951.7	141364.5	297646.4	113293.8	120678	311330.1	187552.7	116819.8	TRUE
146056.1	167216.1	138821.3	156540.6	132632.6	187517.9	184072.4	128501.8	TRUE
526386	570685.5	497905.5	612549.4	538266.8	525419.6	621156.5	584381.4	TRUE
625540.7	512857.9	618670.9	621434.5	603911.1	664194.2	597263.6	698405.2	TRUE
151535.8	178045.2	133636.2	149824.9	141814.8	128863.7	154635.9	146738.5	TRUE
189488.8	171610.1	246250.7	215044.5	225183.6	197665.6	155348.4	171178.5	TRUE
338614.9	300254.5	389391.8	405295.9	338611.1	332091.4	313441.2	328317.6	TRUE

29493.6	39562.7	37426	9674.6	30949.2	38925.5	32821.9	28889.8	TRUE
18005.1	32690.1	12796.2	9331.9	24842.4	20203.1	12594.4	13459.6	TRUE
49254.2	73066.6	61276.5	65560.2	66448.7	61432.9	85405.3	61639.7	TRUE
52189.1	38758.2	49320.9	51427.6	46839.1	64933.2	60882	67383.6	TRUE
262596.7	378750	221902.7	215963.6	254695.4	205441.4	333865.5	236460.7	TRUE
478676.9	378212.1	638004.4	710614.9	391172	362068.7	413805.9	371122.8	TRUE
513353	391357.1	467040.9	646033	405761.5	458494.2	471826.9	443828.3	TRUE
138599.7	163933.6	139756.6	96377.1	119173.4	141591.9	144734	107474.7	TRUE
47001	48232.2	19615.7	32238.1	30102.2	31290.8	60225.8	37137.7	TRUE
147092.1	167176.3	136641.9	163725.4	159652.1	154545.7	187557.9	162163.8	TRUE
406730.3	344257.7	402901.7	389117.1	533130.1	444532.2	399894.6	404306.2	TRUE
229433	173742.2	176601.6	187637.8	287361.4	227216.6	196981.9	204023.7	TRUE
35189.2	29321.7	42949.7	40976	32531	49541	38285	29244	TRUE
33115.9	41937.1	33665.3	23980.6	35741.8	37142.6	33019.3	27082.1	TRUE
64237.3	66879.5	52808.2	62191.2	82551.9	54948.2	70257.4	65209.7	TRUE
40255.1	75228.7	35135.7	63033.1	36529.5	40086.8	58935.3	37768.3	TRUE
86063.5	64776.9	70783.8	61871.3	51572.5	50514.8	53868.4	45484.5	TRUE
47839.5	65314.9	64095	56113.4	56252.6	78049	48923.3	46954.5	TRUE
70912.7	49045.8	121742	50518.5	35633.8	121565	80113.2	64237.8	TRUE
243836.5	241614.9	284358.9	242808.7	212858.6	309486.5	267850	205346.7	TRUE
108070.2	131092.6	67359.2	97513.4	80891.1	103182	172082.1	108972.4	TRUE
9897.3	7592.2	5780.6	12203.7	18958.4	12136.8	9395.5	9611	TRUE
180440.2	195088.7	150471.3	166946.7	148232.4	131509	161018.6	141342.2	TRUE
24330	27138	20312.3	25598.3	21148.6	22503.4	27268.3	22800.8	TRUE
73357.2	80160.2	67567.5	67281.3	94530.8	100032.2	94198.4	108474.6	TRUE
205996.5	244997.3	223683.6	231151	250410.3	269860.1	216472.6	221991.1	TRUE
259429.5	259719	270301.1	246002.2	234407.4	281010.3	296714.8	257597.7	TRUE
225306.8	251509.7	226531.4	233792	253505.9	251020.5	213778.1	219788.4	TRUE
59595	26551	33833.9	50962.5	59703.7	35465.3	40144.5	45608.5	TRUE
76966.1	61970.7	95170	88886.2	67413.6	104894.1	89948	81576.9	TRUE
177803.2	190428.6	204377.9	162572.2	180489.2	224721.4	213369.7	174444.6	TRUE
148724.3	128340.6	128280.7	168869.1	175186.8	106571.4	133616.1	132926.6	TRUE
15381.9	9216.8	10279	6390.9	9020.2	8451.8	9465.3	12695.6	TRUE
72586.1	44273.7	82451.7	87626.1	75137.9	81081.1	52040.5	59321.4	TRUE
138044.7	143384.6	176181.6	163099.2	144449	191170.8	147665.1	168208.3	TRUE
45600.1	38426.3	72848.7	37850.7	33369	72284.8	55957.2	47714.1	TRUE
52054.5	50910.7	77891.9	45949.5	23931.4	84537.8	48220.7	34775.3	TRUE
63040.2	61879.5	63854.5	65594.7	75037.6	31098.5	46464.8	48829.9	TRUE
17756.1	27684.4	41526.3	7474	18315.8	25570.4	25417.3	6859.1	TRUE
60991.1	60507.6	36538.5	42861.5	45056.9	46306	55488.6	44521.7	TRUE
67410.7	51761.6	29643.8	67225.4	47518.1	57894.6	91423.5	66871.6	TRUE
18661.8	20292.4	26243.3	23805	20238.2	30436.7	23006.7	21748.8	TRUE
154556.1	156364.1	90246.9	146464.3	186589.1	120976.6	200063.1	173275.4	TRUE

362057.4	444311.3	289942.3	366782.9	522475.8	284385.3	478430.8	553838.9	TRUE
314229.4	288891.8	266752.2	206252.3	351494.4	288782	302321.4	374205	TRUE
226169.7	243240.8	215578.1	189824.3	205391.5	135885.1	250400.8	136361	TRUE
56031.1	45581	41320.5	45282.7	43616.9	39491.8	35320.9	44111.5	TRUE
45777.5	32864.9	42377.9	47499.1	41880.7	42155.4	36477.2	46949.6	TRUE
9330	11019.2	21772.5	27095.5	12245.2	20350.2	12585.1	24868.9	TRUE
247195.8	145965.9	261781.4	320405.7	257331.9	281321.7	187967.1	249431.4	TRUE
140268.4	114332.5	123659.9	132120.4	129512.9	125817	111217.4	124307.8	TRUE
938435.4	857019	912870.2	1017659	1106498	1033105	909718.6	1035440	TRUE
552941.1	559616.5	511939.6	604400.1	575676.4	616742.3	618664.1	611160.3	TRUE
18265.9	21089.9	14183.6	19788.7	16005.5	14576.2	24435.8	6865.8	TRUE
40888.3	31964.7	48832.8	71605.1	33622.4	35087.6	30532.4	36939	TRUE
78898.7	91643.9	71743.3	85456.5	125355	102844.2	91613.7	97842.1	TRUE
33592.9	25895.2	31417.7	30365.5	33880.4	19954.1	17339.7	28156.6	TRUE
184392.5	136793.2	190430.3	192358.1	138570	196748.5	153292.3	144059.4	TRUE
119743.3	105635.5	127472.4	143578.9	101576.9	126618.8	99710.7	111815.6	TRUE
145010.2	117831.4	169472.9	133537.1	200998.3	236753.2	141700.5	223646.5	TRUE
225471	206128.5	195445.6	165628.4	163980.3	222151.9	191794.4	178675.1	TRUE
100733.3	66818	95666	98084.7	88785.3	78852.4	88201	79158.1	TRUE
152061.4	130587.1	148255.6	186237.2	138933.7	150863.6	150371.4	164952.2	TRUE
1318895	1304866	1034866	1175107	1190428	1052020	1353301	1163101	TRUE
1377470	1276974	1525117	1550743	1135059	1420558	1199157	1232363	TRUE
400332.7	440387.6	761957	316751.5	282026.4	739038.4	425471.3	274457	TRUE
1331200	876479.2	1440727	1254550	2481509	879575.1	938412.7	968990	TRUE
435860.4	391438.1	428063.7	398028.4	607961.5	391615.6	351135	402678.8	TRUE
636731.1	504817.7	583575.4	613595.7	931723.7	517750.8	508011.6	560982.3	TRUE
9386.7	8792.3	24825.2	11967.4	19953.1	13877.8	11547.3	22807.2	TRUE
50404.4	36171.8	46106.8	54409.2	44961.2	41564.3	45822.3	40778.9	TRUE
46443.3	47305.6	38362.6	50260.3	55467	49085.9	41771.3	48510.9	TRUE
128034.3	148531.5	142707.9	126198.5	122119.2	150120	139940.8	128837	TRUE
17316.8	9759.8	13863	9765	5268.2	6887.7	11973.1	7996.4	TRUE
329135.3	309519.9	427262.2	268530.8	241386.2	504271.1	320618.3	279937.5	TRUE
90385.6	104605.7	113539.3	110376.2	70981	132851.9	94117.4	98905.5	TRUE
647131.1	599229.3	681763.7	804619.7	788497.4	661710.1	620176.8	622388.9	TRUE
23126.2	27075.5	21553.1	7923.8	8923.7	19380.7	11930.3	23653.8	TRUE
39313.1	43274.9	37922.5	42345.9	37795.5	40783.7	43196.5	51352.7	TRUE
107658.3	123302.5	100309.5	100894.8	109541.2	99152.6	119487.6	112213.5	TRUE
280562.9	244218.8	230080.5	310166	198458.9	292467.9	345436.3	272188.1	TRUE
56603.6	52957.3	60358.7	61920.2	54118	51384	55357	70586.1	TRUE
11394.6	11808.7	8585.8	10861	8966.3	11061.9	9341	9697.3	TRUE
209471.8	144787.5	246810	233768.6	169842.2	251805.4	166690.9	206163.9	TRUE
83704	78607.5	80544.1	87667.2	110639.2	85225.3	81999.2	96816.4	TRUE
15082.9	10878	11604.6	7043.8	8660.9	15158.9	9984.9	26208.4	TRUE
11669.2	30089.9	9262.6	14565.8	9964.8	19635.1	30749.8	8877.7	TRUE
34512.7	36908.8	37116.7	32281.9	29075.6	41112.6	29428.6	19356.4	TRUE
44927	65198.1	54409.5	63773.8	35469	74557	48793.1	38859.9	TRUE

73359.3	62696.6	68150.8	84285.5	62595.4	62407.4	86469.5	70642	TRUE
139914.8	140932.7	154888.9	151823.7	122648.7	159673.6	124559.9	140469.6	TRUE
209084.5	210613.3	193088	181470.2	227150.2	171233.3	192616.9	195272.5	TRUE
75411.7	64576.8	59901.2	70527.2	82155.4	56040.1	66395.7	69691.3	TRUE
20032.2	4352.8	15023.7	5668	8175.6	18701.3	11529	16804.2	TRUE
67582.3	55708.5	53973.3	68794.5	48133.9	40409.8	79094.3	53391.1	TRUE
46914	33818.9	40201.4	52899.8	42052.6	32829.2	70270.5	62016.8	TRUE
87474.1	95925.7	75027.1	117587.3	117823.2	72767.4	122830.5	129513.5	TRUE
215439.8	235098.1	203299.2	210609.7	262214.7	226004.7	243549.6	248263.5	TRUE
48450.7	39395.8	36913.1	35029.7	48093.5	42742.4	47909.1	51497.5	TRUE
140764	111699.9	132356.2	105016.9	170888.4	146824.6	121846.8	140263.5	TRUE
168960.9	138927	137160.2	148975.2	191290.6	149278.2	134706.9	168810.1	TRUE
35260.3	9256.7	27246.8	34243	11827.9	24159.3	43582.3	38359.4	TRUE
287758.5	349399.9	302904.9	290243.3	282879.8	271981.2	331920.9	279620.9	TRUE
1432066	1409535	1319110	1388048	1287984	1384664	1556256	1394709	TRUE
1062922	931287.8	1187831	1328677	976953.7	1089734	1020843	971845.4	TRUE
44532.2	26297.9	33238.8	36635.8	33769	23074	46299.8	42992.6	TRUE
6467.2	14075.5	17067.8	10134	7720.3	5616.1	6842.2	6637.8	TRUE
132454	105045.5	137654.8	176639	111717	117683.9	97738.2	139923.3	TRUE
53842.7	44111.8	100200.2	33437	36829.9	93865.3	44609.4	38162	TRUE
138841.2	138230.1	189797.4	108089.9	107011.9	193448.5	143780.7	107308.4	TRUE
68192.9	83984.8	120149.3	105356.1	85167.4	78235	78766.9	87297.6	TRUE
68159.3	58087.7	48703.5	62569.3	59465.8	39535	60852.2	60942.5	TRUE
94274.2	64107.7	118466.9	74536.4	96464.5	95973	89574.8	106411	TRUE
205790	294079	249737.4	295430.8	266619.5	251629.4	313086.1	246419	TRUE
256051	311544.7	224694.6	281789.5	251999.5	256104.3	279829.4	256462.3	TRUE
31652.9	55204.7	22465.5	27106	20988.8	17176.3	35833.6	18288.3	TRUE
516385.3	430450	815028.7	463880.7	392724	921887.4	411177.8	403166.2	TRUE
49136.3	46201.2	50381.6	42765.8	58598	81501.7	53302.3	51145.3	TRUE
165792.9	160463.4	247010.6	173072.2	170920	211340.2	176096.5	156144.3	TRUE
64579.3	53043.3	102142.5	58454.8	34720.2	113934.5	66116.9	49113.8	TRUE
63705.4	46733.2	71575.2	33809.4	56532.6	125144.2	71255.6	63803.3	TRUE
198559	145351.3	179057.9	187744.3	240375.1	211463.5	183729.3	197703.8	TRUE
513784.8	328260.8	469412.8	501925.7	862555.8	379136.6	341677.7	378710.7	TRUE
146769.6	145572.9	196527.8	124680.2	135171	253644.3	141116.2	135637.8	TRUE
70370.3	66797.9	80388.3	28285.6	48065	81193	57458	52898.2	TRUE
161836.4	199628.1	225499.2	160275.5	171877.1	209206.7	197281	186866.7	TRUE

197739	162987.7	209395.4	209089	209462.4	173907.6	193802.5	191151.6	TRUE
427917.1	340759.1	382330	350240.3	437723	434624.5	350120.2	385401	TRUE
51178.2	48410.4	54585	57917	53194.7	48828.4	55044.5	49694.5	TRUE
43496.9	42653.2	49553	37411.3	31497.9	33233.6	33100.5	29457.4	TRUE
158653.3	198086.1	132067.1	153655.5	122170.7	137500.1	168513.8	135260.3	TRUE
593313.3	561783.9	531252.3	601119.6	578476.4	550179.5	627115.6	578199.5	TRUE
37105.4	26540.2	29653.4	44672.4	31010.4	33125.8	30231.2	27379.7	TRUE
284056	316423.8	345389	282810.1	315457.5	329453.5	292276.5	339505.2	TRUE
95692.5	72704.4	92213.5	93808.8	87462.9	91861	100971.6	89725.4	TRUE
328129.5	241374.8	314836.8	289423.9	610255.1	246138.9	254852.4	304758.9	TRUE
100499.4	87339.8	183927.3	41780.3	66632.3	208100	97638.5	78541.3	TRUE
128087.1	64437.2	122670.2	129071.7	257335.7	103556.5	92578.4	80357.5	TRUE
211007.2	188231.7	129869	203335	181547.7	228680.3	276737.9	261012.4	TRUE
89517.9	67375.4	87702.6	92707.9	82449.9	83535.6	92316.2	90338.9	TRUE
22096.2	29203.6	41930.7	22333.9	7104.6	36706.2	10696.1	11265.4	TRUE
112654	84494.1	122913.4	122689.7	97396.9	195101.1	132204	132435.5	TRUE
175471.4	141844.6	142494	156406.7	265852.3	158184.4	145273.9	164564.5	TRUE
55700.5	33273.2	40865.4	36735.4	50933.4	43507.4	50298.9	47306	TRUE
30871.2	28225.1	23329.4	37153.9	50159.1	21613	39632.7	13780.6	TRUE
129090.5	121443.2	116555.4	131943.6	121788.5	156858.7	126846.5	131774.9	TRUE
66860.8	79605.6	97165.6	82168.7	75990.8	120269.6	88078.1	122373	TRUE
6629.1	6543.9	14528.4	8710.7	4181.1	16616.3	8127.7	8103.1	TRUE
284961.8	239382	305707.8	360046.9	253533.2	326841.2	281825.9	302773.6	TRUE
26938.9	27703.3	25680.5	11922.8	6542.7	37463.9	13986.9	25228.7	TRUE
39904.1	38264.9	55436.7	40031.7	48550	62317.8	35172.5	33999.5	TRUE
64882.7	46964.7	61997.8	76261.4	62252.3	66188.5	61661.4	69534.1	TRUE
161994.8	123768.6	148690.3	201916.7	120161.8	131257.6	116973	125663.7	TRUE
291642.5	285316.3	273505.8	272701.2	301838.7	445922	296845	426667.3	TRUE
350010.8	253232.5	274579.5	290097.6	382945.5	386328.2	323805.6	400419.8	TRUE
87831.5	75293.8	99507.2	108041.5	74531.7	91769.9	89275.8	75337.6	TRUE
223243.7	204573.8	198586.2	222030.5	213961.5	249153.4	212703.7	201803.4	TRUE
58636.4	71721.8	70760.7	66668.9	72789	56680.8	56295.2	44701	TRUE
168945.7	174209.6	234980.1	232725.3	279349	332546.2	219727.2	150514	TRUE
190468	184969.1	210685.8	183278.1	161683.8	232697.1	208038.1	165129	TRUE
53954	43945.4	42072.5	45980	61769.8	54680.5	51137.2	57143.6	TRUE
80756.8	114052.3	113722.8	43101.2	126409.2	133990	110844.1	106550.7	TRUE
80664.5	83998.3	99433.5	64403.1	85985.7	119565.8	78530.8	89969.5	TRUE
40492.7	61733.1	42540.2	52576.4	69178.1	26505.2	53456.6	37073.3	TRUE
146244.9	179219.2	131337.3	128092.9	159768.9	126669.2	168349.1	165209.1	TRUE
20120.5	19384.9	15611.7	25574	28595.8	18204.7	21876.3	24726.5	TRUE
53485.8	47167.8	54010.1	70041.1	42403.5	59065.3	59053.2	55194.5	TRUE
62437.4	53552.4	52506.2	74393.4	60438.4	96915.7	67251.6	64098.1	TRUE
66550.1	57037.9	51364.7	64963.9	57452.3	71842	36922.2	67249.7	TRUE
147289	118761.7	118533.3	262389.8	230710.9	143176.6	151249.9	159699.6	TRUE

293431	280679.9	282314.4	322768.5	262138.1	281557.8	293637.8	246373.8	TRUE
384126.6	418032.6	459309.7	453379.9	335547.8	412248.5	380084.2	386359.4	TRUE
5753.8	11019.9	19886.7	6875.1	6817.1	6306.7	7461.8	6112.9	TRUE
86079.8	76452.5	76062.9	103924.7	68882.3	91728.7	84890.7	106521.6	TRUE
117569.9	85810.7	102365.1	147092.5	102158.9	129230.6	140512.6	102932.7	TRUE
193645.8	194607.3	138980.9	169492.1	127603.1	135299.4	151452.1	141286	TRUE
403085.5	394258.4	444908.9	462901.6	385383.7	406198.3	491287.3	464664.4	TRUE
76486.4	89517.5	70304.1	79976.8	73366.7	70657.3	87385.5	83594.9	TRUE
78888.9	52720.9	87446	95237.8	62177.3	86482.5	61593.9	74064.7	TRUE
32653.2	52720.8	56028.1	40721.2	42265.4	36188.9	34669.1	46261	TRUE
23041.3	43075.8	26200	39503.3	28049.1	25379.5	29333.1	24623.4	TRUE
200880.1	98169.5	292197.8	97061.7	80296.3	475029.7	122616.3	125512.3	TRUE
211741.8	189174.7	188038.1	227007.5	428141.6	212287.4	235730.6	262058.1	TRUE
272670.1	248895.8	266440.8	189546.4	492628.4	261705.7	214854.1	244025.3	TRUE
97700.5	127319.3	102912.3	82967.4	114160.1	98761.4	122278.6	120144.6	TRUE
50515.3	62979.2	53477.6	59586.6	60527.9	54378.1	65896.9	73468.2	TRUE
312213.1	234471.4	526457.3	354551.8	260047.7	515003.2	298192.6	294187.6	TRUE
56141	74897.6	82330.5	90500.5	70432.7	76197	81341.9	63664.8	TRUE
58876.2	65899.3	62693.8	60934.9	68940.7	61981.7	47931.8	53624.9	TRUE
121314.2	101769.5	118861.4	152257.3	132514.7	123935.1	103890.7	124744.8	TRUE
57741.7	38091.1	55001.6	54738.6	63068.9	56824.3	49354.1	58588.3	TRUE
78980.4	58659.5	85753.9	81801.3	81923.2	69546.2	60915.2	66000.5	TRUE
135817.8	138947.1	127053.2	149648.4	140671	124214	93826.1	105154.6	TRUE
166607.3	154458.7	222997.7	141377.5	190780.4	147710.3	183575.8	168756.7	TRUE
152105.8	155768.7	211369.3	114235.1	138040.5	220230.9	144917.7	147104.8	TRUE
163806	130761.8	225908.1	143790.8	153894.7	224535.7	145286.3	154753.9	TRUE
67049.3	33019.8	88551.5	67928.1	87777.4	58670	53741.4	55283.6	TRUE
150426.7	59596.7	84834.5	119055.4	63455.4	122254.7	114168.6	69239.3	TRUE
503296.5	167732	289357	380823.4	402746.3	560017.8	270553.9	611690.2	TRUE
204680.8	116524.3	311061.7	378300.9	128252.1	174810.7	159932.2	175244.8	TRUE
19064.4	22107.1	24524.5	10431.3	17989.8	10017.5	10225.1	12254.6	TRUE
50154.4	35209.2	47392.9	44198.7	49621.4	53185.5	70119.5	46017.1	TRUE
108448.5	88660.8	85378.3	94749.3	100373	100531.2	119738.5	102302.2	TRUE
159108.2	154975.1	146226.4	157133.6	113379.9	155285.3	139322.9	120966.8	TRUE
92874.1	103833.9	125817.2	112895.5	85245.2	113104.3	101905.7	92437.5	TRUE
94662.2	67311	91123.3	102788.9	88183.8	90406.1	83720	93407.2	TRUE
32964.3	43425.9	38279.3	37533.7	34946.1	31045	37315.9	48409.6	TRUE
62578.2	58155.9	50171.2	50987.3	72439.2	61139.8	62891.3	61989.8	TRUE
91234.7	92647.1	128501	100144.2	78086.6	165015	81670.5	93570.9	TRUE
60505.4	54728.5	90568.5	39267.5	30355.2	116562.1	56514.9	35714.8	TRUE
93644.7	69930.3	95487.7	88851.8	120830.1	103643	102686.9	96121.4	TRUE
158682.3	145440.1	159973.2	155638.9	168618.1	129638.8	136901	165537.9	TRUE

125293.2	168406.8	100089.2	137215.5	147232.4	105934.1	179894.6	141316.7	TRUE
56242.8	64467.1	41188.8	44552.2	55885.4	41990.5	66290.3	57521.6	TRUE
748381.6	663788.3	796852.4	770585.1	674735.9	733635.1	680395.7	788788.1	TRUE
272110.8	275120.1	255015.8	284315.9	227180.1	260149.8	273829	279852.3	TRUE
259989.7	244994.4	412374	166514.5	128096.5	413390.9	206976.2	140350.5	TRUE
27291.6	26282.4	49306	41208.7	47925.1	38880.1	29717.8	44244.1	TRUE
36400.8	21358.2	36561	44655	34907.1	43455.6	25692.3	27946.8	TRUE
26445.4	28389.7	30906.5	30940.3	20575.8	40295	32224.5	28499.4	TRUE
94229.1	38476.7	61318.5	58965.2	94626.6	81996.1	66231.4	75502.5	TRUE
36491.2	44567.9	23650.3	45680.8	33415.6	33742.3	48263.2	46511.5	TRUE
85160.4	89968.1	116584.7	116033.5	90143.2	81458.5	111232.5	79311.2	TRUE
35683.8	35303.7	23664	31854.4	20874.3	30186.2	35709.3	12737	TRUE
246768.5	226182.1	229276.7	261261.6	212650.6	222555.2	254179.1	244211	TRUE
259919.8	212043	243422.4	265295.3	238282.1	269898.9	214393.5	251741.5	TRUE
300902.7	251168.9	304100.8	282399.8	247773.6	308473.7	269812.9	294694.4	TRUE
441684.9	413985.5	415684.4	450905.2	446405.8	441746.9	462758.7	435130	TRUE
32525.9	28455.6	58772.6	27196.8	42548.9	35499.9	42949.6	24722.2	TRUE
95369.3	67104	72540.1	100696.5	113162.2	165969.2	147494.1	109975.8	TRUE
36012.5	57820.5	25956.2	35245.7	23453.8	24450.6	60262.4	20860.2	TRUE
97825.8	146450.4	54750.4	77352.3	65196	62583.9	148325.8	84012.1	TRUE
186029.9	268527.2	125088.2	146241.1	122177.4	124808.1	295324.1	121937.3	TRUE
23101.3	31666.8	52972.2	6642	18674.2	52369.7	31435.2	21138.2	TRUE
126335.9	103123.7	233010.7	71371.9	39443.3	230883.4	115398.4	70424.6	TRUE
202157	124775.9	222916	193402.5	441595.2	142953.9	121652.2	163290	TRUE
698089.8	538922.5	818292.9	895135.3	664007.5	618684.4	601402.3	607652.7	TRUE
89837.2	95120.7	68532.6	91271.2	76368.1	62494.1	88071.3	74644.8	TRUE
208586.3	178941.7	193410.8	208517.9	174582.6	210689.6	184158.5	234288.9	TRUE
362557.2	235185.8	308323.4	274757.3	581555.8	320637.3	221061.9	277339.5	TRUE
248756.3	209642.1	204548.6	225047	383478.8	215613.6	194471.9	206029.3	TRUE
253264.6	237436.3	252553.7	229921.9	299839.7	237464.9	248124.3	233396.1	TRUE
222988.1	195423.3	210590	236321.8	237595.9	212891.6	212027.6	251705.1	TRUE
186705.8	192832.8	219738.5	202787	190963.9	209533	228932.7	215224.9	TRUE
122316.8	115214.5	120024.9	126515.6	130161.2	131052.9	133805	148003	TRUE
835477.5	683586.7	963026.4	909012.7	761152.2	948544.9	650095.5	819787.2	TRUE
1010064	807811.7	755434.7	687344.3	1138986	992477.7	763059.7	935552.7	TRUE
196937	173495.5	169321.5	248418.2	229412.5	189806.2	216545.9	222241.5	TRUE
290476	324100.9	352537.6	359470.3	320443.9	350499.7	332663.4	352865.9	TRUE
158717.2	169513	167370.9	156152.2	202557.6	194344.4	170243.1	212292.8	TRUE
120754	121600.8	102142.6	117452.6	142223.2	128078.9	129731.3	130437.9	TRUE
78997.2	95854.8	65518	125008.1	56129.1	64808.6	78117.2	52304	TRUE
92388.9	95459.5	150511.9	105430.2	67693.9	155766.1	83655.5	80755.3	TRUE
91030.2	107005.3	135640.8	90102.4	84435.5	134640.4	86927.5	80195	TRUE
63944.7	64689.2	131766.8	48632.9	36837.3	134171.9	53530.7	39141.5	TRUE

39293.3	47993.1	35918.5	47714.8	58659.8	36491.5	50854.8	60084.3	TRUE
273237.6	291565.7	267845.5	252050.8	281274.2	314576.6	301686.7	288273.5	TRUE
512060	503505.1	469407	476875.6	517749.8	421210.7	527868.8	384036.1	TRUE
104408.7	125434.2	102105.7	103186.5	67271.8	104490.9	156214.2	81774.5	TRUE
143350.5	170943	114601.3	140490.2	112366.2	141215.3	166583.5	138790.8	TRUE
37528.1	37401.7	25729.1	22934.1	41428.8	37419.8	40138.1	34765.1	TRUE
533859.2	524607.9	507226.1	538600.5	528461.9	533760.6	532000.5	521498.8	TRUE
4087588	3564669	4714631	5948901	4976710	5168713	4822580	5465731	TRUE
34819.2	45455.8	57447	43453.8	28771.5	46759.6	42729.2	41131	TRUE
209385.9	198342.1	199672.1	264099.2	260846.3	205502.8	196502.4	224696.2	TRUE
20806.2	42717.5	7942.3	29656	52609.6	15812.3	40309	31954.6	TRUE
29602.2	51685.2	73642.9	64430.8	20465.4	20151.3	48055.7	26955.2	TRUE
18586.6	29106.4	29607	25915.1	20835.4	27221.6	33167.4	27227.5	TRUE
271757.8	141313.2	849202	122288.8	67219.3	903228.6	193801.8	104720.9	TRUE
447017.2	228323.3	336160.2	315750.5	1194899	281669	246317	284331.9	TRUE
271757.8	141313.2	849202	122288.8	67219.3	903228.6	193801.8	104720.9	TRUE
447017.2	228323.3	336160.2	315750.5	1194899	281669	246317	284331.9	TRUE
109403.5	185960.8	98517	92806.2	74324.7	111847.6	147193	110046.4	TRUE
167645.1	166890.4	187162.6	175436.8	149959.4	182032.7	162243.5	165845.2	TRUE
551859.7	492300.3	436148.8	444032.3	568237.4	582216.8	525720.6	564582.5	TRUE
32392	34992.2	31454.9	45641.5	44510.8	35912.2	36749.6	40341	TRUE
18997.4	12983.3	7731	25195.2	16850.5	16585.2	22786.6	25101.1	TRUE
223026.6	197658.4	338415.5	178312.4	197407	400633.1	195938	222054.1	TRUE
79200.6	96434.2	103183.1	72982.1	66027.5	128184	84149.1	66079.3	TRUE
141219.6	120405.6	198700.9	117967.1	126924.2	203782.3	131116.1	138744.5	TRUE
426116.4	383973.6	385646	369980.1	400572.1	411956.4	381043.3	414756.6	TRUE
116401.4	105102.7	99224.8	116823.7	115245.7	87720.2	120721.5	106818.6	TRUE
171929.9	200052.6	130023.4	143588.4	180466.9	125911.9	188688.7	168974.5	TRUE
296064.7	276829.2	266231.1	269391.3	242536.8	215235.3	262279.9	224843.8	TRUE
70697.6	62490.9	59985.6	88776.5	74009	61789.1	80311.6	74494.4	TRUE
80970.6	69722.7	74580.6	99382.4	75305.2	76506.8	80003	62018.2	TRUE
22153.7	28635.6	27810.7	28079.2	21849.6	21032.6	31512.4	17705.7	TRUE
51590.2	25682.2	30443	22543.2	35388	34680.5	43167.6	28877.8	TRUE
364299.9	441477.4	314837.5	340073.2	366656.2	283637.7	424240.6	350806.3	TRUE
269921.4	252186.6	427803.7	374108.1	198705.3	271355	249037.5	231729.3	TRUE
119466.8	147577.3	107526.6	122441.3	115418.4	113841.3	158361	129305.5	TRUE
140105.9	134702.4	188962.1	149069.5	126301.3	201180.6	141906.4	121604.7	TRUE
258230.9	273328.2	320942.1	310290.7	385062	215583.7	233207.5	231655.8	TRUE
57094.4	52488.1	82830.8	86290.6	106750.6	37598.6	46337.9	41902.2	TRUE

2445806	1796253	2360008	2323508	2709393	2648364	2021096	2590990	TRUE
166832.9	119476.1	173690.5	108528.5	119096.6	199805.7	153885.1	123294.6	TRUE
199195.2	140783.2	179090.6	173134.8	247738.2	189297.4	144255.6	180227.1	TRUE
49611.8	57652	86614.7	67047.8	62563.2	47915.3	49229.6	45536.7	TRUE
24514.2	27406.8	22367.1	48592.5	30191.7	50059.5	33519.8	36522.2	TRUE
67564.9	53195.5	62553	62200.4	54142	56514.3	59723.4	51485.8	TRUE
84285	70110.7	84958.8	103066.5	90374.9	75379.1	87340	75415	TRUE
158831.6	163034.2	145858.7	204931.3	135560	135069.9	221479.4	116112.1	TRUE
74435.1	74288.9	67307.8	73352.7	64171	60182.8	79373.3	70996.8	TRUE
188658.9	190679.7	128053.4	211290.4	117728.4	167371.3	208158.9	127435.5	TRUE
26851	33765.1	24626.1	11782.9	29212.7	19958.9	35465.3	26418	TRUE
40361.2	19053.9	78924.3	60906.2	23286.5	35476.6	41130.7	36763.8	TRUE
61753.9	78187.5	60659.4	65899.9	51760.5	48173.6	84645.9	64274.7	TRUE
20426.6	8188.5	67758.3	23266.2	30289.9	25666.6	22148.4	23083.2	TRUE
134844.1	113560	153480.7	119986.2	141374.2	152556.9	125049.6	113476.3	TRUE
26445.4	28389.7	30906.5	30940.3	20575.8	40295	32224.5	28499.4	TRUE
94229.1	38476.7	61318.5	58965.2	94626.6	81996.1	66231.4	75502.5	TRUE
197463.4	179953.8	261110.4	181620.3	161098.6	267769.1	177806.3	166517.8	TRUE
26445.4	28389.7	30906.5	30940.3	20575.8	40295	32224.5	28499.4	TRUE
94229.1	38476.7	61318.5	58965.2	94626.6	81996.1	66231.4	75502.5	TRUE
35419.3	49372.3	39440.9	35510.7	37885.2	39261.8	52581.3	32496.9	TRUE
496876.2	503519.9	338327.9	420490.3	378628.4	355340.8	437932.7	380103	TRUE
906253.5	862906.1	888608.8	944327.3	743293.8	832495.1	782817.5	793170.9	TRUE
119801.6	93518.2	70497.6	113890.8	177960.1	183052.5	129059.9	213653.6	TRUE
185066.8	132100	204657.5	202112.8	153830	206905.3	160328.1	165703.3	TRUE
69290.1	34652.5	68089.8	97772.4	73646.2	81775.8	56367.6	61565.9	TRUE
20987.2	8973.4	14749.7	10012.7	18635.1	18341.4	13801.8	13362.4	TRUE
90901.9	120313	107592.8	96611.7	95508.3	107196.4	129360.7	97253.7	TRUE
248057	287134.6	274672.3	318702.4	266361.3	279505.1	327543.8	258622.4	TRUE
201611.6	174182.7	203583.7	208638.5	222524.5	194860.1	187425.3	206547.9	TRUE
614272.2	373875.7	637453.7	608406.2	615028	568031.8	417786.5	545400.2	TRUE
211659.3	219946.4	203280.5	187235.8	186565.9	223330.3	228838.6	208043.9	TRUE
206336.3	182305	224916.1	244740.1	204008	197479.2	193196.6	219493.9	TRUE
20874.4	6276.8	16249.1	17992.4	7506	10845.7	17179.4	20492.9	TRUE
47837.7	30230.1	33553.5	42583.5	40649.6	48977.3	38291.9	32666.1	TRUE
82889.6	85709.1	68646.2	101410.7	78267.1	93529	86271.4	102925.7	TRUE
48971.4	36409.8	77370.2	52837	54530.5	74904	60547.8	61704.1	TRUE
82983.2	70564.9	72792.5	65142	58384.6	130837.2	137306.6	72485.7	TRUE
89989.1	134752.4	85069.2	144768	134785.4	101011.8	66114.6	90509.9	TRUE
19272.6	8928.5	22112.6	22655.5	22964.7	22112.8	23481.2	11261.5	TRUE
21225.3	30640.9	34717.3	23032.5	38800.1	25460.4	18612.8	21433	TRUE
75772.7	78264.5	92035.5	62584.7	52791.1	93007.1	83318.9	55046.8	TRUE
94273.2	78202.7	89737.8	80079.9	87072.2	80205.5	87141.4	82262	TRUE
119058.9	89680.7	130432.2	130573.3	138552.8	108588	91123.7	127668.2	TRUE
39407.9	33335.8	43766.1	39215	45821	37287.9	33032.6	37307.8	TRUE

211456.5	249859.8	190258.5	280867.3	203280	235931.9	286291.2	225777.7	TRUE
67960	89212.3	59608.7	79298.4	71835.5	87412.2	94843.2	105872.3	TRUE
162310.5	138181.7	129373.7	150121.1	136047.5	143922.2	152767	155328.9	TRUE
160462.3	205771.7	163005.2	151870.6	151442.9	146592.6	182031.3	161363.2	TRUE
186713.2	155857.1	259972.7	237339.9	128898.8	147852.1	147782.9	155966.3	TRUE
74753.2	104435	128428.5	134547.6	81326	86618	92377.6	78833.5	TRUE
33510.2	34065.6	35533.8	35513.1	32426	30548.3	41312.8	28723.7	TRUE
316903.6	450856.3	263419.4	550975.1	313053.3	266790.8	373536.6	254872.2	TRUE
438921.9	379999.7	384778.5	438462.2	380250.5	447593.9	381711.8	439954.1	TRUE
245986.7	261274.9	207851.3	244895.8	450566.8	329772.4	234600.6	366533.3	TRUE
104773.6	61960.3	73197.5	79086.1	84067.7	147181	90076.6	147996.8	TRUE
195677.7	158917.3	238491.7	215136.1	172777.2	248045.3	176973.3	205815.2	TRUE
53895.5	35824.8	39749	27552.1	32486.4	43765.5	53976.4	37800.3	TRUE
35771.1	47096.2	46370.5	55653.9	30367.3	44911.2	44865.6	40456.3	TRUE
35856.2	44356.3	53601.9	33566.8	45042.5	54746	38930.6	37698.9	TRUE
63644.4	46333.5	51677.7	55762.2	49612.6	84262.2	56690.1	78709.9	TRUE
129455.2	145736.8	88926.5	136586.1	103236.2	105074.6	158916.6	101408.9	TRUE
259564.5	234577.4	372473.5	276974.3	237304.4	291269.6	232991.5	286950.9	TRUE
267123.4	360647.9	187554.7	307308.9	188583.2	229671.4	339771.5	225795.4	TRUE
23296.6	29188.8	13527.8	24850.2	22529.3	16249.2	33516.8	30546.1	TRUE
32385.7	39300.4	36533.7	11829.1	29997	35825.6	41985.3	30283.2	TRUE
25377	27577.6	8861	8219.3	29225.8	16995.5	29027.6	30879.2	TRUE
77869.6	89582.3	55412.1	71834.1	88307.6	74228.6	107547.3	70678.2	TRUE
20803.7	22263.9	25375.1	27345.6	6404.1	24510.9	28277.5	6830.2	TRUE
130416.3	111359.1	150683.4	142828.9	149472.8	154388.3	135852.5	145803.4	TRUE
160785.8	195147.5	127036.4	140035.8	153204.5	152362.7	166715.2	155566.6	TRUE
107868.9	96783.9	108585.3	115025.7	93609.4	104988.2	97889	94723.3	TRUE
19911.6	22946.8	11743.3	11320.1	18879.2	28089.9	26128.9	28943.5	TRUE
34182.4	37249.3	34496.6	32831.6	36904.8	40931.4	33698.3	32393.8	TRUE
58574.3	43041.6	45359	36440.9	52082.6	30863.5	53564.6	41384.9	TRUE
19723.1	7468.3	5440.3	10383.7	8668.4	24934.9	8713.9	10690.4	TRUE
43521.5	25324.9	34256.8	38312.9	37234.7	37420	30987.7	38128.5	TRUE
70201.6	79005.6	100759.2	106530.9	122984.7	92720.5	74362.3	71823	TRUE
44167	55433	47463.3	28689	36885.8	54881.5	45036.4	29213.9	TRUE
122829.2	114994.1	121209.7	100866.1	99089	126692.6	131501.4	101079.2	TRUE
160133.6	120544.3	128079.1	148821.7	143720.7	144712.8	138648.2	145429.5	TRUE
68551.7	74371.7	65306.8	76852.5	78653.1	70111.4	93913.7	86393.7	TRUE
24043	31497.3	30367.2	26891.7	27400	33110.9	30711.4	23310.4	TRUE
23320	32081.1	8620.6	16972.9	6965.9	33592.3	14010.1	9524.4	TRUE
66173.9	55478.2	62998	69267.1	71468.5	62191.3	66149.2	64927.3	TRUE
86058.1	157068.6	81966.1	77387.2	82618.2	121240.8	125035.3	76870	TRUE
466418	906572	253200.1	216734	220031.6	263354.8	822494.9	220646.1	TRUE
60009.2	71464.9	88875.1	55966.7	57904.7	100001.2	62090	57162.8	TRUE
224623.2	191986	297267.9	195133.3	163438.5	379317.9	234741	209049.8	TRUE

110103.8	58432.7	57770.4	44827.6	54254.6	54601	53035	56775.1	TRUE
9153.3	12420.3	9821.6	8027.7	10899	6609.8	22778.1	8561.5	TRUE
21662.7	34873.4	12242.2	8850.9	23630.3	13008.8	34535	20862.8	TRUE
126057	163579.1	194753.6	182459.5	95980.7	99717.5	156009.3	86673.1	TRUE
279608	242656.5	294394.9	267496.8	281489.1	261238.8	285481.6	282781.5	TRUE
53456	42896.1	49939.6	50245.1	40560.4	45424.9	47132.4	41449.7	TRUE
75680.1	61424.6	79788.1	87602.8	94106.3	90517.1	54174.7	79668.1	TRUE
10434.3	7327.8	11438.4	31968.8	23753.3	10385.7	23102.3	33877.2	TRUE
114244.1	134518.2	111323.5	120595.3	121745.4	132907.4	112821.9	112840.9	TRUE
162533.3	203657.8	120874.2	124613.6	145623	117523.7	201399.2	128094.2	TRUE
30497	23849.4	36410.6	27376.6	12470.5	27568.7	23431.2	27648.8	TRUE
50306.2	61444.1	75617.4	46841.4	58777.4	65162.9	46844.1	62564	TRUE
123677	117124.3	124650.1	129270.2	106193.3	112162.6	101593.1	121168.3	TRUE
171297	134943.3	133470.1	138297.3	153659.6	139585.2	125400.8	150580.7	TRUE
118856.4	98945.1	84206	111582.3	94435.3	119073.8	117249.6	121114.4	TRUE
23862.3	34847.3	28185.8	8153.2	22266.3	21949.6	12668.4	28334.8	TRUE
1724167	857091.5	863363.6	664954	675931.8	661087.8	655019.6	626499.7	TRUE
77714.6	47226.8	97245.8	112204.8	56456.9	94673.7	53605.9	72942.2	TRUE
22371.8	36671.8	11188.6	25395.9	5442.1	10411.2	33270.3	7903.4	TRUE
176580.8	180124.8	185657	180560.1	164655.6	165071.3	157688.9	165086.1	TRUE
36487.9	33764.5	43865.8	40950.9	35709.6	37634.7	32075	28157.9	TRUE
17473.7	24121	23823	24997.5	17821.9	18593.7	22832.2	20439.8	TRUE
255326.1	264063.2	265065.9	256116.3	256217.8	259996.8	255554.3	260975	TRUE
468321.9	426271.3	551982.7	575958.2	503393.7	479609.6	511941.6	504364.9	TRUE
75488.8	60428.9	84989.3	87139.3	69919.8	94560	80522.9	92587.2	TRUE
61463.9	60826.3	39917.4	45411.2	47280.3	55783.8	81710.2	73812.6	TRUE
336756.3	318853.9	383879.6	275329	327467.6	359485.8	341656.3	356253.4	TRUE
148422.2	153462.8	126122.8	115860.8	147951.1	183541	174870.6	157885.1	TRUE
60785.9	55281.3	59208.4	58563.5	37626.8	53531.2	48511.4	41437.5	TRUE
25457.5	23302.4	15011.4	27832.9	22854.1	21751.1	11489.9	31009.1	TRUE
217826.3	198359.9	192308.1	239001.4	212305.2	211293.6	212787.7	213691.9	TRUE
44146.2	49194.4	44881.8	74006.3	48487.1	50894.7	57673.3	52022.4	TRUE
46541.9	38954	43243.2	45502.7	51581.9	30032.5	43243.3	37077.1	TRUE
80756.8	114052.3	113722.8	43101.2	126409.2	133990	110844.1	106550.7	TRUE
25559.4	26281.2	48659.2	39420.7	22273.8	18218.5	25820.7	10599.1	TRUE
152025.6	185854.4	136387.7	170156.3	107527.3	154210.3	205630.5	130680.6	TRUE
261474.2	265629.6	292209.7	302005.1	267392.5	271916.9	255031.2	276626.2	TRUE
16828.1	9987.6	21263.6	9695.8	8735.7	19697.5	9733.8	21882.3	TRUE
27987.5	22567.8	28654.2	9798.5	23387.6	27108.4	21284.7	24544	TRUE
93278.2	95041.2	71631.5	96595.9	96451.7	67676.7	119442.6	98675.5	TRUE

92341	77439.8	143354.2	132791.1	67611.4	83576	99049	97146.2	TRUE
353221.5	170730.5	527957.5	493795.1	284770.5	303431.8	246647.8	317303	TRUE
54851.3	55517.2	34569.6	33166.5	48272.8	38037.3	59210.5	50940	TRUE
31485.2	9492.2	20340.5	31560.6	19273.1	21698.9	12497.4	32201.2	TRUE
16275.4	8040	13013.5	10152.2	9604.2	7197.1	15868.3	12019.5	TRUE
12894.9	7171.6	21172.1	7751.9	19791.9	22348.5	8264.6	12308	TRUE
94478.4	79330.2	97746.1	83405	61972.5	106728.6	72087.9	70407.1	TRUE
259656.9	286278.1	289466.1	202828.6	196153.1	270250.2	287334	193331.4	TRUE
260998.7	272410.3	262674.2	254310.6	263171.4	269129.5	282443.9	286821.2	TRUE
27954.8	3286.3	32485	10177.1	18261.7	60306.2	11593.7	30712.5	TRUE
137899.5	163144.1	118571.2	124327.2	125090.2	141941.2	228286.9	125990.8	TRUE
52466.9	86426.9	33541.3	32269.2	30390.2	39179.1	78340.4	38248.1	TRUE
66459.3	80007	72962.5	67318.2	64259.4	88352.1	71531.9	62183.7	TRUE
40235.7	39683.4	42101	37655	39736.5	41876.8	44624.3	35892.6	TRUE
89822.2	91774.9	70953.5	77142.7	91957.3	73268.9	97177.7	73485	TRUE
1651401	2085725	1606269	1557809	1453813	1713931	2113204	1580571	TRUE
283583.7	227006.2	277500.7	298508.1	290753.5	302575.5	249872.7	315257.5	TRUE
50185.3	60985.8	50667.5	63881.5	43362.4	61436.8	57843.6	52882.2	TRUE
377956.7	313512.4	376244.3	371378.3	405054.6	330192.5	346665.1	413631.7	TRUE
61380.8	88623.6	33503	52947.5	50419.8	42161.8	71283.5	31862.7	TRUE
252384	141903.6	461245.6	479013.2	140255.2	201143.2	189790	191585.7	TRUE
63963.9	50200.7	40784.9	70304.5	60614.8	58206.3	58124.7	65150.6	TRUE
85010.6	68862.1	91022.5	106199.9	65153.2	95582.7	87087.7	80148.8	TRUE
32574.9	34412.5	26021.2	27363.5	31111.5	30092.8	43303.7	26981.6	TRUE
135770.9	131519.9	136575.6	116645	132063	131430.6	126063.3	112927.2	TRUE
22948.6	31625.5	21967.6	16783.6	13450.2	21605.3	27625.4	16741.6	TRUE
6212.5	19471	21656.8	8895.3	7258.1	13617.2	9565.7	9490.1	TRUE
26345	19124	28389.3	10969.4	17410.6	22217.2	28199.3	19623.3	TRUE
105431	119435.9	111792.9	125388.6	89950.1	131498	110455.1	116699.9	TRUE
167908.2	191087.3	165055.2	148427.3	144515.4	158112.1	160242.5	132355.5	TRUE
21725.1	10795.7	24021.1	6333.9	19120.5	9063.6	12813.6	11358	TRUE
49574.9	59061.7	76085.4	54654.6	50982.3	84989.3	55585.4	50307.4	TRUE
62799.3	44290.8	74549.7	58127	61895.7	76444.5	53972.8	58997.6	TRUE
176604.1	248641.6	174228.3	192580.8	191330.7	166693.1	194777.1	187117	TRUE

81927.3	82977.5	62852.5	64999.3	76877.6	78727.7	62079.4	88032.1	TRUE
42489.8	68042.6	54652.6	41036.8	50198	44110.5	40027.2	48623.7	TRUE
140048.3	201914.4	131467	151434.2	180914.1	145504.3	175444.4	156089.8	TRUE
245988.2	147464.5	212023	218957.3	264023.8	188391.6	163311.1	249591.4	TRUE
155973	156237.6	152996.6	155443.7	185108.2	195911.3	156977	168178	TRUE
49824	43894.4	55230.7	66977.8	42688.9	50895.4	59228.3	46893.3	TRUE
85097.2	57583	62911.7	69435.8	70718.4	81683.2	64482.6	71211.4	TRUE
65783.8	52602.9	54269.9	66629.6	91751.5	75220	78783.7	85187.6	TRUE
1436398	1585587	1087057	1155696	1247164	1061650	1563420	1185691	TRUE
43525.3	59696.7	33135.6	38077.3	44757.3	31152.7	51273.5	50165.9	TRUE
17310.5	18036.5	35978.4	7057.1	7500.2	38779.4	22993.6	21318.5	TRUE
70494.3	50679.5	110291.5	58603.3	67252	84900.4	55294	70405.1	TRUE
66479.3	78632.9	70580.3	66631	57888.8	61436.9	70842.9	61679.5	TRUE
86993.3	74471.1	92350.5	75824.7	85170.1	94972.1	111778.6	83119.3	TRUE
98418.1	75121.3	74325.5	95541.4	84789.6	99831.2	99868.4	95344.8	TRUE
52210.5	51889	84774.2	42665	41019.5	77903.8	47186.9	49613.3	TRUE
16239.2	12024.1	9229.2	9930.6	29504.5	2810.2	23786.3	24567.8	TRUE
20418.8	28908.8	17861.3	9510.4	22731.4	15052.6	20935.8	18978.2	TRUE
124943.9	153700.7	138389.3	160127.5	142365.8	125484	134349.3	128058	TRUE
88866.3	90525.2	65083	63928.3	84606.3	61049.8	94797.9	88014	TRUE
26323.1	41933.7	37006.9	30938.4	22897.6	38429.2	39328	26938.9	TRUE
52210.5	51889	84774.2	42665	41019.5	77903.8	47186.9	49613.3	TRUE
195991.9	152359.5	162263.8	201213.7	151394	174203.4	172631.9	209503	TRUE
124487.3	133312	195721.9	114309.2	103666.4	192239.3	134667.6	106996.4	TRUE
135084	144005.6	146634.2	131719.5	122083.1	119571.8	165639.8	109576.2	TRUE
25800.8	29363.5	35008	29322.9	39924	37442.9	36663.5	35974.6	TRUE
243972.1	213353.4	318519.9	224815.2	181291.1	320408	227082	188918.1	TRUE
119359.1	98181.5	193860.5	108524.3	79432.2	209840.8	103040.3	78786.2	TRUE
34684	27803.1	31289.6	49273.6	31809.2	56894.4	35077.8	38869.9	TRUE
148345.4	100731.2	105986.6	136723.7	140764.2	151220.8	124566.4	182645.3	TRUE
78445.1	77269.2	61760.1	76452.6	83630.9	117049.5	101003.7	119170.5	TRUE
182484.7	169670.1	188458.4	216546.7	170411.9	197122.7	256068.9	180234.6	TRUE
116170.7	128620.4	131581	119267.5	127697.9	120615	127632.9	118491.9	TRUE
60135.8	48894.1	59636.7	66102	43831.8	48274.6	56875.2	63494.1	TRUE
116170.7	128620.4	131581	119267.5	127697.9	120615	127632.9	118491.9	TRUE
571720.6	401020.8	520151.1	523514	766456.7	376534.2	446720.1	452216.3	TRUE
246939.5	219593.1	249375.9	270491.3	236230.1	300834.5	223800.9	277251.7	TRUE
46346	47966.9	27637.9	53316.5	30481.5	51508.9	43430.4	54280	TRUE
81254.4	62451.4	99702.2	79706.9	82914	90248.9	87880.3	79809.1	TRUE
258545.2	276268.6	332103.6	251686.7	191587.4	342977	282201.8	207658.3	TRUE
108780	191192.2	113799.4	98453.2	88442.1	118460.7	117832.7	78273.5	TRUE

45450.1	51563.1	58674	54779.5	59717.8	38585.9	50377.5	36467.2	TRUE
105595.7	99633.2	118152.4	100197.6	90214.5	119606	113545.7	97221.7	TRUE
150475.5	127536.7	128998.3	135966.6	151257.5	145406.8	130603.6	149868.6	TRUE
53958.7	67931	62248.1	50345.9	43559.7	49862.6	46752.8	57442.9	TRUE
224013.5	181382.2	253441	241717.3	320588.9	204227.2	180732.8	213739.9	TRUE
89864	60558.8	56880.8	86231.1	82055.9	65073.2	72304.1	60948.1	TRUE
354415.4	363918.2	399115.6	407528.2	365943.8	402682.2	370733.9	375852.3	TRUE
61923.8	70209.3	79086.2	65216.7	65116.4	63206.7	71455.7	67717.5	TRUE
37133.9	54048.6	35119.4	32544.5	31855.3	36753.3	47193.8	35826.1	TRUE
48210.7	35325.4	69956.5	42455.4	35848.6	79953.1	43667.5	30217.9	TRUE
167582.7	171993.3	161832	154570	127316.9	196890.2	169080.9	154415.7	TRUE
22508.7	6860.9	17113	6375.7	21650.5	18325.2	26526.4	20197.6	TRUE
41941.8	35373.9	37556.8	55788.2	47253.9	56677.3	40426.1	50515.8	TRUE
17223.5	10832.5	12973.4	11730	41930.9	24588.8	10755.8	21920.7	TRUE
17383.2	8437	20078.2	6975.6	17579.4	16154.5	11606	18138.5	TRUE
107647.3	57316.4	151440.5	108673.6	71797.5	165103.3	76481.6	61044.4	TRUE
16002.5	4189.6	19332.9	11368.6	18286.7	34002.6	6430.7	8062.8	TRUE
98418.1	75121.3	74325.5	95541.4	84789.6	99831.2	99868.4	95344.8	TRUE
107647.3	57316.4	151440.5	108673.6	71797.5	165103.3	76481.6	61044.4	TRUE
162979.5	136865.6	200656.2	183367.1	177453.2	201464.4	156013.4	176122.3	TRUE
162328.1	119842.9	128865.5	151724.7	162496.5	159747.7	123312.1	170438.1	TRUE
272831.7	305234.3	409231.8	152880.4	164895.7	409968.4	259056.8	192030.4	TRUE
1590829	1480178	1585173	1513092	1577593	1605453	1552861	1595791	TRUE
54408.5	35475.2	45069.9	39100.4	34037.7	56235.5	63661	49833	TRUE
104883.8	89769.4	96211.8	85869.2	93180.1	101360.1	98305.2	117698	TRUE
58432.8	50726.6	31650.7	49192.2	46052.8	38304.8	51649.4	37497.6	TRUE
5164	7877.3	6947.4	15840.6	5812.1	3385.1	16740.9	7041.5	TRUE
192338.9	272853.5	135795	186520.6	189987.3	148940.9	251806.5	184676.6	TRUE
35707.6	32475.5	31821.6	38965.9	36812.5	44237	30987.6	33099.5	TRUE
191157.5	116234.3	195273.3	163431.6	256128.7	179453.2	119015	147984.2	TRUE
24043	31497.3	30367.2	26891.7	27400	33110.9	30711.4	23310.4	TRUE
44291	70743	72408.8	59765.5	54589.7	61399.9	58947.9	55305.3	TRUE
182081.1	186199.2	316392.6	142347.4	128279	323504.1	187040.3	116699.9	TRUE
148283.1	147576.5	246369.6	134283.6	109544.5	251947	142395.9	145679	TRUE
88118.8	61891	113230.1	71640.2	54722.7	135754.1	49898	75298	TRUE
103677.8	70770	109211.8	88296.6	88883.1	131481.5	82185.1	103821.8	TRUE
52280.4	60699.7	58364.2	63858	35542.3	51605.2	54513.1	47478.1	TRUE
23853.6	25671.1	21592.8	22680.4	24738.8	16909.8	11554.9	21568.1	TRUE
59469.2	27612.3	42647.8	39002.6	121175.8	28008.5	32158.3	46035.9	TRUE
29691.9	43003.2	73308.1	9764.2	22951.5	61266.5	25729.7	22454.8	TRUE
193967.9	196326.3	149464.1	172099	209271.9	134054.9	174333.4	200776.1	TRUE
51976.7	57038	66417.2	49108.8	60966	66494.8	60334.4	64079.2	TRUE

73662.9	70076.1	82968.5	75689.7	72343.9	37343.1	89355.2	43170.4	TRUE
92343.7	75054.2	108484.4	88096	92086.3	64774.1	65242.9	79381.4	TRUE
37084.2	30058.2	27870.7	33765	28061.3	49017.5	56528.3	38505.2	TRUE
511071.8	499517.3	450171.1	443752.1	424907.6	535462.8	503792.6	546482.7	TRUE
26587.5	37676.9	19927.9	55087.8	36667.9	40016.4	34334.5	31335.4	TRUE
71508.6	84978.2	100590.1	95060.4	68007.3	109138.4	77277.6	71555.5	TRUE
49803.3	38368.8	24418	24418.1	33837.4	29551.5	22018.9	30623.2	TRUE
118378.8	138791.7	130404.3	131209.8	127246.7	136945.4	153357.4	97729.1	TRUE
29794.2	37283.6	38502.6	32852.3	36595.5	36429.5	29970.6	26926.7	TRUE
234051.8	238345.4	193181.5	226953.8	211429.3	228946	234612.6	224131	TRUE
43682.4	54520.8	63498.1	42044.3	45110.1	56082.4	51586.3	36680.7	TRUE
64000.9	39930.1	68745	62270.4	78152.8	62484.6	57832.8	50886.9	TRUE
70799.2	75226.3	74736.1	49859.1	58250.8	86044.9	75071.7	64272.3	TRUE
111161.6	127957.7	108480.8	98720.8	105112.4	125456.5	146147	93218.7	TRUE
58999.9	69838.7	43374.8	64685	48574.6	74806.5	79938	63226.9	TRUE
320847.2	367133.4	348679	421826	389129.1	304138.4	259391.3	313747.5	TRUE
211703.6	165871.5	163839.5	185909.4	264496.9	210096.2	197097.5	226468.1	TRUE
59000.4	61793.1	58277.8	55413.4	60365.8	39455.4	59045.5	62455.7	TRUE
130552.1	121996.6	123876.5	130316.6	127231.9	142419	133929	158062	TRUE
57531.9	70373.7	66713.5	74048.7	61904.2	85000.1	95710.5	74083	TRUE
29307.4	11970.1	38103.3	14169.1	28181.3	31900.5	29219.9	28105.4	TRUE
67103.3	90783.3	95679.4	68279.1	59933.2	68000.1	87013	83703.6	TRUE
68516	78241.1	79338	80322.3	95905.4	86767.6	90546.9	106094.3	TRUE
147986.5	121162.9	139124.6	164928.2	139275.1	135323	130009	152553.9	TRUE
107409.7	92998.3	143984.1	92517.2	76751.1	147891.9	88024.7	78752.4	TRUE
189235.1	281185.6	149432.2	118840.5	83887	179991.2	274036.1	103279.6	TRUE
19191.6	28520.6	31266.5	20982.9	19932.3	29017.7	22952.8	21357.3	TRUE
77878.3	48190.5	82388.2	105288.3	101259.8	59526.6	58593.6	62613.7	TRUE
86257.8	94794.4	76336.2	57742.6	55673.7	76039.2	70319.4	39726.5	TRUE
37133.9	54048.6	35119.4	32544.5	31855.3	36753.3	47193.8	35826.1	TRUE

209524.3	188033.7	186637.4	176316.6	211092.3	222634.6	167469.7	200479.7	TRUE
219063.4	249502.3	335175.7	317821	272412	201023.2	223785.4	162269.7	TRUE
87023.6	105411	91965.5	75162.9	113718	105902.8	95119.3	99359.2	TRUE
215761.3	238544.4	280828.1	181866	194563.1	292715	254593.5	214376.9	TRUE
364077.5	349459.1	305404.8	344501.9	282514.6	329930.7	338942.8	344964.8	TRUE
110036.7	84614.5	108584.2	104649.1	109788.4	85903.3	89432.6	95643.9	TRUE
92922.6	92056.1	93202.9	91685.6	69075.1	139110.3	92771	66523.8	TRUE
81941.8	98545.5	100114	82085.8	72753.3	94394.1	100667.9	74932	TRUE
117550.6	191501.3	92831.6	157819.6	145143.7	74984.3	214913.6	137708.2	TRUE
61659	75652.6	67633.4	67003.5	57256.8	75847.6	52949.1	73276.2	TRUE
647131.1	599229.3	681763.7	804619.7	788497.4	661710.1	620176.8	622388.9	TRUE
1657421	1131386	1759005	1622834	1558551	1526335	1165897	1555200	TRUE
76521.2	66571.9	65758.6	61585.5	82000.3	64588.8	69466	125153.4	TRUE
118196	108216.4	125344.8	116175	95746.8	164020.3	122236.5	112812.4	TRUE
27699.6	6463.4	15783.3	10677.8	26189.1	25239.4	10065.1	19687.7	TRUE
48696.6	40465.1	86011.1	30110.8	33021.4	88394.1	51188.8	38793.3	TRUE
81219.9	79691.9	118639.4	85538.6	69665	112112	64166.8	73986.4	TRUE
57451.3	60308.1	88458.4	56573.4	45600.4	106689.3	52146	54224.7	TRUE
13939.2	28234.8	9403.8	30072.9	24009.7	26089.1	28047.4	22336.4	TRUE
117479.4	129535.7	148485.4	119186	139998.2	145032	106813	136983.2	TRUE
320997.1	212971.3	1106980	125995.6	74743.1	1079229	206091.5	102260.6	TRUE
147940.8	74389.5	106266.5	100987.7	506292.8	94268.9	96357.2	106665.1	TRUE
246386.8	198907	221100.7	273551.8	226756.9	263742.6	186530.2	243575.7	TRUE
90119.9	114817.1	66876	102869.1	95559.6	81808.2	84654.6	89427.4	TRUE
40243.4	29597	27840	33436.1	37398.5	39892.6	41776.5	46725.7	TRUE
82478.8	61831.6	98045.9	88552.5	83685.6	95244.7	97552.1	69963.1	TRUE
72701.5	71908.3	89792.7	61254.4	75970.7	88354.6	84133.3	99243.4	TRUE
441649.4	272923.4	387020.5	468253.1	782792.9	422335	341228.2	432476	TRUE
675349.5	711513.1	786997.5	696733.9	1006413	575873.6	566192.2	618500.1	TRUE
66615.7	50807.1	50203.5	61340.5	61031.8	55200.2	51202.9	56493.3	TRUE
135963.5	108824.2	113911.4	89776.9	120940.1	164888	156823.1	165604.9	TRUE
228261.3	201147.5	128415.7	171633.6	138051.6	215603.3	259736.3	208022.7	TRUE
49582	67586.4	57722.5	35347.7	44099.6	118876.6	78924.4	46884.7	TRUE
58258.2	77148.3	88926.6	59898.4	67453.9	83274.1	56248.8	63155	TRUE
442030.3	473544.1	410905.1	382303.1	361642.2	484230.1	443833.5	403175.8	TRUE
65618.4	52642	51700.1	59638.8	57200.7	57160.7	62075	61306.8	TRUE
35702.8	28975	30839.8	37712.6	31515	44662.7	30642	45767.3	TRUE
212528.6	202449.2	186737.3	211679.7	161019.7	212067.3	180867.1	201642	TRUE
51066.4	54618.7	53274.3	48916.9	39894.5	45608.8	40549.2	48196.4	TRUE
140719.3	122212.4	150943.9	150944.4	149103.4	123188	150922.3	150355.2	TRUE
30947.2	36250	25262	31164.4	34576.1	35048.9	27662.7	27370.5	TRUE
97454.8	111621.3	64263.1	90875.4	123897.3	67540.4	118156.8	114917	TRUE
140729.4	138294.9	131011.2	175037.5	128987.2	137099.3	127303	114265.5	TRUE
8430.4	14938.3	10858.7	11513.3	24630.4	7703	14688	8677.9	TRUE

379181.1	382383.3	337351.1	353633.9	419337.6	464334.1	418805.7	434198.8	TRUE
148273	118538.5	187835.7	179459.6	142845.2	160175.7	124582.1	139537.6	TRUE
91078.3	123055	113104.6	120609.5	92063.5	60568.3	116189.1	70585.2	TRUE
26297.9	21608.3	20768	4583.8	32939.8	16833.6	9601.7	29194.8	TRUE
51677.3	58999.8	69229.6	55422.2	46284.7	57301.9	57364.5	61241.8	TRUE
11181	11808.9	7872.4	12331.7	21767.4	7702	29922.4	11882.6	TRUE
7583.4	9679.6	14499.2	9591	17079.3	13313.3	10572.2	16970.3	TRUE
103730.8	79994.5	105980.2	87264.3	92225.4	85594.8	64606.4	74557.7	TRUE
108907.2	90382.2	69004.9	103179.2	88474.7	82632	110188.4	147650.2	TRUE
978701.7	852864.7	989285.8	940578.8	1074305	953379.2	845479	1105201	TRUE
85767.6	99235.8	85960.8	86558.5	70807.8	86315.7	110514.5	71845.3	TRUE
52385	37884.5	44597.3	41960.2	80729.1	25520.8	55666.8	36189.7	TRUE
372567.3	350585.7	427329.3	347427.1	284298.1	473621	400546.2	297803.7	TRUE
54557.2	34297.4	43963.1	46945.6	53469	62274	49863.5	55893.8	TRUE
386571.5	327349.1	371103.7	373210.1	431155.9	406722.8	341454.1	402385.4	TRUE
21155.9	25605.2	24176.5	23607.7	27233.6	23876.9	21728.9	24302.1	TRUE
60135.8	48894.1	59636.7	66102	43831.8	48274.6	56875.2	63494.1	TRUE
377356.6	158687	450443.3	485647.2	553414.9	284850.5	210376.4	285326.2	TRUE
928636.3	445853.3	957202.2	1095891	1281887	697235	511098.2	722135.8	TRUE
94584.4	74603.4	109199.4	115362.7	134949.5	107995.8	95586.5	114260.7	TRUE
366987.8	306239.2	356100.6	346038	315057.4	450516	283501.9	412979.2	TRUE
114129.5	114751.8	126607.2	126678	109508.7	114156.8	123536.1	112614.5	TRUE
104445.7	100852.9	119802	136171.1	135316	110647.7	237094.8	117043.7	TRUE
106934.3	102542.1	155706.8	131062.5	94658.5	157799.2	177644.9	99796	TRUE
281170.6	219812.3	234923.9	271911.4	240402.6	305267.4	283119.1	245673.8	TRUE
526177.4	614814.3	409980.4	601894.7	317225.4	397429.4	722605.9	305123.7	TRUE
63427.6	58099.4	87331.7	73658.1	51718.9	90177.6	63915.9	66717.8	TRUE
134167.8	141929	160232.1	161905.7	135938.2	134958.6	153252.1	134154.8	TRUE
108639.7	86548.4	84536.6	88728.7	85126.7	94292.2	101244.9	98590.2	TRUE
94323.9	61574.2	65587.6	63737.5	57174.7	73737.3	47965.6	66413.2	TRUE
109735.4	102136.5	142129.4	170079.9	104114	70594.7	118433.4	90064.3	TRUE
342358.2	275445.1	360005.2	354685.5	351468.5	366296.7	269498.1	315209.8	TRUE
146827	158227	99663.1	147672.9	134048.3	121635	114896.6	116192.1	TRUE
192828.4	161026.6	187203	181405.4	213326.3	204776.4	176820.5	256182.6	TRUE
333080.4	304010.7	361977.6	358594.8	331709.7	323905.2	321673.3	344178.8	TRUE
323714.3	249134	361842.2	382608.5	377489.9	304083.9	265810.4	309054.8	TRUE

107775.7	95713.7	105885.5	75754.1	117040.7	106614.3	86647	95711.5	TRUE
354749.9	311516.2	370952.8	353073.7	375050.7	466395.1	331998.7	436999.8	TRUE
213935.5	187884.2	226844.4	191390	235745.7	166446	178143.1	177414.2	TRUE
15443.8	16511.1	17597.8	10059.8	15172.4	20776.2	7246.9	20605.4	TRUE
56582.9	56048.8	41021.2	51639.2	58310.7	55600.3	86784	67136.5	TRUE
128185.7	88893.9	122787.8	150841.9	205803.6	128679.9	150173.6	128236.5	TRUE
45703	36659.8	82378.9	30875.1	38853.2	79318	69371.7	34747.4	TRUE
90910.2	77511.8	93371.2	101680.7	121215	94015.8	95003.8	108548.2	TRUE
61760.7	52082.7	49227.6	29907.4	62113.8	48135.5	50358.9	51431	TRUE
190164.8	225985	237409.1	231720.1	227504.6	200585	228181.7	214423.6	TRUE
84014.5	81536.7	74519.7	106767.9	92764.8	97890.8	104200.7	85384	TRUE
98418.1	75121.3	74325.5	95541.4	84789.6	99831.2	99868.4	95344.8	TRUE
146517.6	150029.1	165402.8	145280.5	131280.7	174265.6	152657.4	117055.1	TRUE
113890.3	123902.3	100161	94861.9	84179	181398.1	186266.7	118273.3	TRUE
994827.3	562047	1422329	848607	872065.2	1305606	572451.2	818150	TRUE
172096.1	119625.2	190287.1	257408.7	154932.8	220175.9	174910.5	178491.1	TRUE
59515.8	99373	131623.1	165598.5	183783.1	45966.2	13011.3	27897	TRUE
158566.1	194054.5	225315.8	273803.2	280952.5	135099.7	104579.8	67300.1	TRUE
576244.6	501366.8	276403	281946.3	634943.9	368612.5	391477.4	375809.6	TRUE
580330.9	533225.2	485487.4	417756	934398.5	636956.5	563589.6	562951.2	TRUE
2979657	2665226	1976553	2045275	4329123	3178068	2820387	3044999	TRUE
623924.2	499592.6	397406.5	455339.1	883749.8	544255.2	631796.3	606257	TRUE
233407.5	213539.9	136278.8	180558.8	321383.7	226381.5	255440.5	245549.4	TRUE
136770	139710.7	267446.9	107924.5	103151	273126.2	162037.4	119173.3	TRUE
240330	323493.8	289002.7	170279.4	242256.3	312405.7	329332.3	234986.2	TRUE
185638.5	151922.8	288382.8	180896.2	223231.2	287720.9	241403.1	250667.1	TRUE
261949.6	234121.1	231963.4	278935.8	305448.1	230474.5	282444.9	299024.9	TRUE
209822.5	217133.5	303101	281614.6	323571.3	208770.2	228182.5	215114.9	TRUE
37213.1	41092	43793.9	38563.7	19833.9	49490.6	35352.6	19710.6	TRUE
115624	123037.1	173288.1	102731.2	123748.7	175677.8	147540.8	121205.5	TRUE
119267.2	149303.7	148189.4	124207.3	147621.9	153544.5	130917.3	125711.2	TRUE
53552.3	60073.5	64562.5	54002.1	66862	46585.3	38176.1	52394.5	TRUE
71058.6	78417.2	90281.7	75140	100520.7	59522.1	72498.5	70473.7	TRUE
124708.4	111374.1	97473.7	118842.7	130453.6	132118.3	114873.6	130682.8	TRUE
69619.2	85402	68436.9	67423.7	89945.7	66847.3	78925.3	56873.8	TRUE
36170.5	46155.7	37117.8	31607.6	28097.8	36942.9	40690.4	26853.2	TRUE
45050.8	48486.8	60898.8	61510.9	62984.4	50324	61607.3	53788.8	TRUE
36597.8	28682.2	47279.5	27855.8	25636.5	26633.1	45331.6	21956	TRUE
90924.1	90875.2	85544.3	151420.7	94153.9	87597.5	153185.1	134421.5	TRUE
129583.4	177880.9	106988	169865.2	200180.1	111709.1	200787.8	214313.5	TRUE
111099	139293.8	141190.5	135221.8	109806.7	145090.9	133990.6	152889	TRUE
69747	72511	72880.7	89021.1	58859.9	95954.9	81577.9	85259.6	TRUE
126211.8	130498	121892.3	128432.6	135124.2	116236.2	127571.8	138221.7	TRUE
36542.3	52112.3	29475.1	43684.4	56084	44072.1	44733.6	54771.6	TRUE
52285	52915	36652.4	67721.2	69748.3	58919	52543.8	61495.5	TRUE

115814	81980.9	123645.1	143271.1	111609.6	142432.4	81278.3	118831.6	TRUE
42120.5	43607.8	39789.8	46470.7	53934.9	65872.4	46902.7	52746.7	TRUE
94126.8	86432.2	137176.4	95121.3	80402.9	153511.7	80477	86678.9	TRUE
143161.7	105403.1	104514.2	115093.3	245354	145411.4	114363.7	151167.1	TRUE
209875.4	142154	184593.8	167932.5	439112.3	221545.2	169792.2	224744.4	TRUE
51607.4	33276.6	45094.4	44353.3	60557.7	43233.6	47171.5	57029.3	TRUE
53548.6	39878.4	58600.9	56440	57245.6	53417.8	53842.7	49610.2	TRUE
78238.2	51524.4	69462.8	66239.7	62216.7	57286.6	51783.8	59802	TRUE
164952.7	170467.2	119480.4	226966.5	171081	132470.3	191344	165839.8	TRUE
274564.7	283241.4	176236.5	228365.2	281654.7	201717.7	268013.3	305957.5	TRUE
40767.8	37813.3	18126.8	25000.3	18509.3	27963	37438.4	29666.9	TRUE
27125	10112.4	26947.1	37538	28788.8	28595	32857.9	32426.6	TRUE
19600.7	36178	31614.3	29713.9	42566.3	17829.6	11120	20011	TRUE
22806.7	18695.9	24985.6	24567.9	20558.1	12704.7	9708.4	25521.5	TRUE
52645.2	56008.6	77161.8	67912.4	66779.2	86020.6	103994.6	76511.2	TRUE
135402.6	130369.1	125218.9	153581.9	158298.2	126691.3	177502	169392.4	TRUE
110456.2	154280.5	97378.4	131529.3	121351	98601.1	146487.5	130817.2	TRUE
60422.2	64085.8	53003.1	44812.2	62283.4	57000	65169.4	70564.7	TRUE
123135.5	104011.4	102974.5	111071.3	109186.6	115344.8	114271.7	137599.4	TRUE
20490.2	25222.9	37093.6	8820.2	8064.4	33427	24337.9	12414.5	TRUE
85683.7	86481.7	93678.1	88046.8	64050.7	84435.1	71968.5	75124.2	TRUE
205364.9	156688	206638	192225.2	198649.8	203444.9	194062.9	214080.5	TRUE
57773.7	62461.4	95541	45417.2	39797.8	92334.3	54793.2	63678.9	TRUE
455956.1	252605.4	382173.9	345476.3	903219.4	385533	283321.9	434660.2	TRUE
38379.6	57368.8	63351.2	57867.1	82968.5	41733.5	38209.1	29739.8	TRUE
111029.6	68705.4	94346.4	123663.9	101771.4	78370.7	87028.8	96921.7	TRUE
262843.4	225438.5	228186.5	294901	221045.6	259596.3	232987	220217.5	TRUE
45491	34553.2	67204.6	52617.7	38367.3	124265	28213.4	54853.6	TRUE
72831.5	75696	40442.6	55179.1	37147.5	68052.3	58984.7	58260.2	TRUE
45801	54518.7	44026.2	58601	50653.5	65605.5	73996.1	55564.3	TRUE
30287.8	23319.7	24644.1	21148.6	29302.7	38811.7	12894.6	33227.6	TRUE
59728.6	58586.1	42784.6	58430	67680.5	49386.2	81531.4	71311.4	TRUE
24934.7	21696.6	6382.5	11695.1	19582.3	21466.8	20762.2	24856.9	TRUE
98785.7	101027.1	106678.4	62085.5	45666.2	158075.7	97160	51707.6	TRUE
78845.3	94724.7	90001.3	54824.4	35509.3	105907.6	95100.6	43977.4	TRUE
340620.4	363748.8	339518	282612.2	325254.6	289917.4	357560.4	316616.3	TRUE
94495.4	69401.3	59753.9	69549.6	70917.3	63271.9	70173.2	67612.5	TRUE

96011.5	60213.8	72206.2	95871.4	62913.1	72300.1	72113.3	63667.1	TRUE
81569.1	71977.2	108199.7	63953.3	67929.6	99032.6	74842.6	75992.6	TRUE
58793.5	62848.5	68730	43629.1	55547.8	52407.3	63433.4	46254.3	TRUE
101086.1	100256.2	92960.3	107086.1	90207.9	110317.9	111181.1	94514.1	TRUE
152370.6	109159.9	127654.2	127695.7	154051.4	180620.4	106685.8	155864.6	TRUE
61416	56858.4	80404.9	69986.2	43245.3	52453.1	67355.5	48750	TRUE
84939.6	74834	104755.2	79805.9	81389.2	76725.1	81002.1	83700.2	TRUE
52590.1	55965.1	60236.3	46525.1	60782.7	45655.9	70427	51017.8	TRUE
51966.9	56127.1	115565.7	61617	53581.2	49172.7	51589.8	49978	TRUE
84123.6	81287.8	58620.8	61033.5	40048.7	88817.3	117156.5	58972.9	TRUE
181760.8	100685.2	191923.9	214042.7	152278.4	137398.6	106202.1	147140	TRUE
19062.4	19830.7	21947.4	18372.1	28517.8	30741.1	25105	35288.9	TRUE
52252	43136	44249.1	39552.4	45834.2	67630.1	67868.1	61954.3	TRUE
60668	99842	51585.5	51596.3	56135.8	46574.9	79784.4	62720.9	TRUE
78744.1	71850.8	103560.8	134565.8	69093	72262.6	75557	83407.5	TRUE
119435.5	86256.3	94625.5	115288.8	108121.4	103230.1	116761.7	109598.4	TRUE
123150.2	106458.4	147154.1	148245.7	134640	129128.3	140140.8	165388.2	TRUE
111135.6	78652.7	108600.8	107314.4	63378.3	165254.5	63759.2	90187.8	TRUE
36235.8	37426.4	95096.4	28945.2	17325.3	43552.2	24787.2	28046.1	TRUE
56327.8	49365.2	112778.1	49631.8	49412.4	119212	44425.1	77647.8	TRUE
54737.1	39692.7	58261.8	45189.6	93847.1	35694.8	61784.6	42888.7	TRUE
58521.4	55111.4	64914.5	44976.8	72929.1	71921.5	63148.1	79137.8	TRUE
44587.2	45896.2	36983.5	37867.8	51889.2	42903.8	49739	54745.5	TRUE
78480.7	68430.5	57505.8	74532	62211.8	67112	78612.4	70607.6	TRUE
68910.4	78884.9	44038.4	59658.2	66024.9	64736.5	87981	76461.8	TRUE
96950.6	84888.5	70682.2	90941.3	103022.5	81550.9	104355	97924.1	TRUE
131297.8	124717.6	99103.3	115823.9	106014.8	108218.2	115692.6	116633.1	TRUE
207815.8	222892.7	162707.9	198455.3	220418	186810.6	240566.6	194993.4	TRUE
206801.3	240296.6	256455	256737.7	179005.4	235498.6	249862.4	241735.5	TRUE
75274.8	48735.4	55944.6	64294.9	52298.1	77307	80152	73075.8	TRUE
188184.5	174425	174213.9	203704.8	176711.3	202915.4	186991.6	202213.2	TRUE
81916.2	143545.6	174625.9	113633.2	67548.6	79218.9	127398.3	61817.9	TRUE
68097.6	76300.4	83274.9	106725.4	75780	67638.6	57504.8	72482.9	TRUE
55700.7	28864.6	45747.9	39005.3	34064.2	39265	39794.1	40744.1	TRUE
97867.8	164009.6	75837.2	55661.8	83518.6	64770.5	121566.5	83423.8	TRUE
155386.5	155207	233251.9	189006.3	113095.2	123830.7	137249.8	116438.6	TRUE
24583.3	6805.8	87082	3786.8	1732	96540.4	19582.6	6727.9	TRUE
112128.4	75452.8	103120.7	81832.9	59612	178835.8	121950.5	89044.6	TRUE
244911.1	183735.4	220310.3	286767.9	219090.2	224235.7	218935.7	248600.7	TRUE
158779.2	100958.6	374833.1	100242.3	137281.9	373676	121607.2	133524.2	TRUE

24175.3	21887.7	7281.7	28661.4	23332.7	14434	31551.3	25013.6	TRUE
41310	41204	34683.9	41535.2	48902.8	37708.2	44392.8	51990.9	TRUE
22315	29615.1	19526.4	10473.6	22057.2	17217.5	17114.9	28697.7	TRUE
98721.3	82855.6	114518.2	107879.6	87547.5	123137	88474.9	109088.1	TRUE
75999.6	76489	76292.2	89423	82020	61845.4	88450.6	73711.7	TRUE
129997.4	110974	105604.7	117782.8	129587.9	142998.2	120590.3	143173.8	TRUE
32040.9	37236	23508.8	30182.6	20631.6	20739.4	57406.3	27748.7	TRUE
105292.3	90097	90556.2	89061.6	96573.3	96132.4	105530.5	106386.1	TRUE
25153.5	26024.8	31600.9	26605.2	25272.5	38016.5	36619.8	42254.9	TRUE
60852	73269.3	42579.8	50406.2	56812.3	54723.9	55905	57599.1	TRUE
104914.8	82881.5	98827	100503.7	100612.8	110807.8	103635.8	105515.7	TRUE
45608.6	34306.5	42788.3	47353.5	38973.9	46200.4	37611.1	45220	TRUE
39597.9	26113.2	32322.4	20360.5	32644	29775.1	32934.1	26693	TRUE
126548.8	103464.8	204969.3	79139.5	69110.4	292948.4	101498	77965.9	TRUE
39287.7	46206.9	50647.7	42016.3	51798.9	48764.9	37686.3	57581.6	TRUE
39807.1	47723.7	44159	30951.2	29775.6	50469.2	41698	33875.9	TRUE
161147.5	102731.1	142526	179840.8	130251.5	110803.4	154327.6	140756.1	TRUE
92102.9	85731.5	121316.3	99565.5	91674.4	96294.6	75691.9	65507.2	TRUE
20129.5	13603.6	17084.4	7358.2	14176.9	5680.5	8775.8	8631.3	TRUE
144000.4	132293.1	131306.9	151701.4	144865.1	131384.7	127060.8	160338.1	TRUE
101049.4	79858.9	101725.6	111722	108777.6	132452.6	82938.1	117969.3	TRUE
227222.5	196590.8	204315.6	186428.2	225130.1	223752.7	176161.2	246670.5	TRUE
20428.4	30782.9	17152	6615.7	31094.4	7643.2	31144.3	11558	TRUE
32936.9	20974	27998.1	39346	22731.4	48689.1	25923.8	37118.1	TRUE
23284.2	36953.2	24907.6	12829.4	23755.9	21163.5	33304.8	38802.1	TRUE
82725	82057.9	119129.6	53902.5	64382.5	115802.6	71825.1	57497.1	TRUE
7126.6	24879.9	15098.9	23251.4	8391.2	6128.2	12074.8	22052.4	TRUE
108814.3	70240.3	80522.7	93245.3	119382.6	137038.5	105405.9	106940.1	TRUE
126835.9	95000.2	147076.7	125956.3	90972.8	149392.4	125290.8	113696.1	TRUE
21085	22457.1	25732.2	10047.7	23561.4	22866	23867.1	19091.5	TRUE
527066.1	465601.2	502541.2	570417.2	470854.3	603908.5	502662.1	448734.3	TRUE
31471	32280.2	11648.2	32369.8	24277.7	28083.7	36190.9	45387.8	TRUE
91322	134991.5	64262.8	59393.5	58126.4	68571.2	136656.1	68318.9	TRUE
174876	205208.2	145325.1	173129.2	186894.8	153612.6	219899.1	169938.6	TRUE
71208.3	96403.2	55680.6	52367.3	74596.8	62787.3	101893.3	71041.5	TRUE
107159	105224.5	145494	140234.2	136595.3	130858.8	121051.9	113158.4	TRUE
21478.3	9165.7	39821.6	14392.6	9802.1	45496.1	11851.9	9663.8	TRUE
15635.3	7330.7	8440.5	11509.6	17567.5	21909.3	24659.6	10548.3	TRUE
248985.7	175532.8	208094.9	223900.4	338735.3	169767.6	187777	186445.7	TRUE
28019.2	33804.4	22524.2	12640.8	7766.5	26911.6	34864.7	21673.3	TRUE

36474.7	43799.6	21482.6	26552.8	24964.4	19202.9	58563.2	24424.9	TRUE
51899	43370.3	67045	61799.7	86663.3	43886.6	48186.7	42362.6	TRUE
41860.6	33312.7	39738.7	36526.6	38894.2	44525.8	38868.4	51875.9	TRUE
154197	153967.6	189830.7	166762.8	134847.4	168696.5	188561.6	138715.3	TRUE
18806	20205	24338.9	10952.4	24017.9	18594.2	18059.2	19134.4	TRUE
19173	35727.9	6543.9	12162.8	21941	9072.1	12010.6	34226.7	TRUE
135761.7	127918.7	155757.7	171778.2	104098.5	160446	128966.3	146543.8	TRUE
185816	122745.4	116111.9	165400.7	156666.8	193484.3	156932.3	203373.7	TRUE
49125.7	65750.5	81281.3	80005.8	78402.6	80846.9	75776.5	68494.1	TRUE
37773.1	27833.3	30211.5	45890.2	29184.7	26283.1	30666.6	35350.2	TRUE
137670.2	119690.6	131372	118553.6	110106.5	131971.5	126194.6	108572.9	TRUE
35248.3	27951.9	73066.4	29804.1	38109	65575.6	31246.9	38333.3	TRUE
48643	29885.8	35203.9	33069.7	31425.4	28527	14439.2	29366.3	TRUE
135389.9	134134.4	148335.4	131086.8	145611.7	139849.4	140629.5	152869.4	TRUE
138462	179718.6	192974.4	138935.1	136926.9	212206.6	179960.1	122474.7	TRUE
59990	54527.6	70337.1	65580.8	67710.8	79728.1	62343.2	72641.5	TRUE
8534	22739.8	24448.8	20653.6	9312.7	17692.3	10732.5	9605.3	TRUE
42393.5	46474.8	37095.3	35604	45579.9	43677.7	48282.4	56117.7	TRUE
8769	7489	4919.9	9862.3	11138.3	6880.3	21903.7	18886.3	TRUE
27911.8	19726.9	27948.1	24955.1	23080.9	6961.6	21682.5	9559.2	TRUE
16787.1	12386	26741.9	8829	17929.1	19756.8	11425.8	18328.1	TRUE
117974.4	75570.5	85837.5	93505.4	73988.7	129903.9	113557.5	114587.2	TRUE
75767.5	49058.4	101428.4	94655.1	85810.4	97605.7	81566.5	94115.1	TRUE
81990.5	81324.6	227721.5	58558	49755.5	240812.3	90852.8	74369.7	TRUE
333230.4	295612.3	328587.6	356816.6	304287.1	357159.5	345436.3	348342	TRUE
47973	41789.7	52348.3	60406.5	51309.9	39394.1	59807.5	38910.2	TRUE
49055.7	43449.8	75908.5	42350.3	54022.1	69477.1	37291.8	56478.3	TRUE
37591.9	57200.3	42657.2	42667.3	79334	35189.7	79215.9	69456.4	TRUE
39469.1	39830.4	25397.7	24675.4	33686.5	29789.4	34309.5	61020.1	TRUE
124866.1	92226.8	109430.7	154725.5	140303.8	136375.4	114239.9	154741.4	TRUE
42018.6	74125	26910	36220.3	19754	35241.2	59194	33701.2	TRUE
60054.5	69692.5	61365.8	55081	47339.5	60779.6	64836.5	53257.1	TRUE
472936.5	401188	419820.5	463301.7	396032.2	627456.4	593753.9	502091.3	TRUE
141292.9	88900.5	128063.8	158609.1	110749.4	123493.6	85350.8	133558.7	TRUE
168749.3	93295	347061.7	112351.8	78154.4	335948.8	94165.8	83885.3	TRUE
31972.2	39595.9	21204.9	47480.9	42071.5	33714.6	42133.8	44041.1	TRUE
48792.8	69652.8	81146.4	59629.6	74608.2	62979.2	50905.9	58265.2	TRUE
87837.3	103093.7	89507.1	109382.4	93596.8	117336.8	81498.5	85983.9	TRUE
156686.5	203217.2	102734.9	198121.1	87826.9	127583.2	280659.4	104453	TRUE

94654.5	96801.2	124218.2	87933.6	104298.1	116830.1	90817.4	88213.7	TRUE
26799.5	28372.1	35476.7	30455.1	18166.9	38424.6	32392.4	24768.2	TRUE
22943.5	8165.1	17374	9299.7	21166.8	20080.4	29303.9	14407.8	TRUE
45041.9	51525.8	48833.9	44247.6	37340.2	54296	51398.2	61628.8	TRUE
12987.5	7548.5	23327.6	17162.9	13682.3	14808.3	8014.6	8454.6	TRUE
27198.5	12984.6	42515.2	8309.9	8612	38558	28879.7	14058	TRUE
125954.7	103653.6	92678.6	96502.7	73769	135131.9	130956.7	101891.2	TRUE
64200.8	66870.1	65201.3	59633.4	53866.5	53067.9	59406.9	61540.2	TRUE
27885.9	51339	57025.4	49066.6	33972	48585	31158.4	29147.1	TRUE
58013.4	38635.8	59169.9	68863.3	48678.5	71559.7	53120.3	63966.3	TRUE
68062.3	62254.6	93942.3	62949.8	60152.1	113738.6	100889.6	89848.1	TRUE
162900.1	120925.4	192865.3	152749.5	142720.3	187289	171000.3	134632	TRUE
45167.4	34896.6	42108.7	48228.2	47816.7	44754.8	41123.3	41296.2	TRUE
58851.7	77132.2	49440.4	77279.7	66737.6	63133	60661.6	67175.2	TRUE
136350	104880.7	204477.9	244031.2	136626	112742.6	158340.7	122851.9	TRUE
63817.5	55215.5	51317.4	44041.9	55900.8	40543.3	47763.1	40674.7	TRUE
59660.2	41198.1	52892.8	41389	66211.4	101309.5	60153.3	86905.1	TRUE
42326.4	73034.4	65967.3	44633.5	58933.9	46997.8	66284.4	58000.6	TRUE
37864.5	79679.8	17603.5	30983.4	27292.7	18244	83306.3	37656.5	TRUE
68424.3	71420.6	33079.5	44114.7	91909.4	60681.7	72836.8	111626.9	TRUE
54498.6	73570.2	86198.2	54055.1	72562	85213.9	60317.5	46322.5	TRUE
73678.3	62740.9	72190.5	52039.5	39451.5	50773.1	47614.6	31793.9	TRUE
146597.8	94797	133360.1	100504	214860.3	170562.9	115238.5	176601	TRUE
20548.8	24714.7	17975.1	13257.6	25660.8	19920.6	24814.5	26193.4	TRUE
312032.3	394043.2	222069.6	257978.6	244480.5	226560.4	345948	228455.5	TRUE
215837.5	264763.5	305647.1	276015.7	198806.5	231489.4	253482.3	253137.7	TRUE
85790.4	90255.2	88654.2	112606.7	76580.4	107874.3	122332.4	113354.1	TRUE
54579.6	36235.2	64528.6	40380.3	27737.6	91704.9	40918.5	47540.2	TRUE
55267.9	73087.7	37977.3	62646.2	67809.3	59129	87115.2	66788.5	TRUE
58232.3	115507.7	72102.8	86386.5	81182.5	73245.8	73235.4	51805.5	TRUE
57891.3	48820.7	65140.7	76291	45044.1	70291.9	47827.9	60882.9	TRUE
101266.4	89450.1	70605.2	84444.9	63061	84615.8	101740	81610.5	TRUE
19816.8	22589.3	16776	9383	28852.9	19146.6	24014.5	26600.6	TRUE
25128.1	29112.2	35737.4	23232.5	29897.5	28517	24027.6	24203.2	TRUE
52910.9	51988.8	42072.2	53544.3	50439	49669.8	66285.7	56696.8	TRUE
240961.5	199995.1	224891.6	255709	199057.2	230318.1	219961.8	250543.2	TRUE
73308.4	87623.3	114242.8	60763.5	45809.3	114712.8	83317.8	51883.1	TRUE
339641.1	298166	249804.7	309302.8	276896.4	300902.8	322223.9	272438.2	TRUE

57236.5	60496.7	79262.6	46192.7	45508.5	105594.7	74026.3	68871.4	TRUE
104084.4	75068.5	104422.6	78252.9	195262.6	87362.5	76218.8	67190.8	TRUE
34857.4	10132.3	52378.4	12533.4	9653.7	50225	14022.6	26177.4	TRUE
50368.7	32567.7	60104.2	61093.1	43735.1	63196	38529.9	61816.2	TRUE
178608	137822.5	172130.5	174060.2	218668.5	119016.3	149688.3	156928.3	TRUE
53129	49936.1	59584.4	62035.7	48240.5	52939	56106.1	46829.6	TRUE
37502.3	32995.9	17500.3	29535.7	21719.3	26181.7	34428	37719.3	TRUE
38364.8	30789.8	27375.5	28094.9	31227.8	30071.6	35624.9	28144.1	TRUE
161525.6	131491	163048.1	166598.8	183597.2	174573.4	154911	200551.3	TRUE
10828.5	27142.4	31766.4	12454.4	12369.1	38700.5	15349.3	10062.5	TRUE
19699	7781.7	22079.1	23483	7365	22689.2	22998.1	11917.4	TRUE
175130.1	155668.5	139850.6	175382.7	142610.7	169429.2	174757.4	155216.4	TRUE
33420.8	27926.9	9540.6	14469.4	34522.4	32825.1	15797.6	41540.9	TRUE
24999.4	32317	18133.2	11654.1	23966.3	17538.8	24292.7	22648.2	TRUE
321280.8	262474.1	301661.6	299931.3	377717	329222.8	306357.7	349973	TRUE
100444.2	98452.7	108875	109789.8	79713.2	119931.7	114479.7	96532.9	TRUE
228229.4	174847.3	433694.6	182395.1	158812.6	432284.3	205569.6	199601.6	TRUE
58869.1	46071.1	69372.4	37500.7	46480.9	81029.9	58362.1	63278.7	TRUE
73680.7	57275.7	70256.8	61701.2	67534.6	81172.9	83029.9	73094.3	TRUE
19077	15876.1	6916.4	17190.8	11736.8	20638.6	27741.6	10517.2	TRUE
42368.6	35389.7	41353	37068.9	30400.4	22078.6	54517.4	38415.7	TRUE
645165.6	529331.7	650804.5	662155.8	1024338	601015.6	537263.2	577638.3	TRUE
55303.7	47177.8	40983.9	67361.8	46677.8	47583.8	46517.8	49307.4	TRUE
70711.4	64065.3	94930.1	100659.3	71690.2	91064.9	80938.9	69038.2	TRUE
38909.8	30140.4	33174	38503.4	42350.8	43721.3	41732.7	38424.8	TRUE
49784.1	20027.8	30445.1	33122.8	91991.4	40927.9	36858.7	38824.6	TRUE
156613.4	242411	160113.3	153421.3	156093.2	153490.6	195290.4	139871.6	TRUE
122688.9	112523.7	188923.8	86541.8	79125.4	210996.7	110489.7	101075.2	TRUE
114180.6	148260.1	96562.1	143266.5	90392.2	82340.1	95274.3	85397.6	TRUE
51710.3	56241.9	87688.8	95240.2	57529.9	79663.8	51216.1	52457.4	TRUE
82300.8	90467.9	106683.5	88985.1	74128.8	122916.4	81634.8	72004.5	TRUE
30103.2	36563.1	38720.4	47447.3	41144	33525.7	30963.7	31749.2	TRUE
26791.9	33530.3	22526.5	15839.7	13610.8	28643.1	30881.8	22711.6	TRUE
43722.4	33930.9	46339.1	42430.7	51074.5	28823.5	51361.7	55156.3	TRUE
81673.4	87308.3	81370	80775.7	71121.9	77061.5	91131.8	77325.2	TRUE
94652.1	108589.6	113404.6	92694.8	93069.6	122391.4	118897.6	102072.3	TRUE
93698	88816.3	64059.2	90631	80848.7	58823.6	86374.2	88180.6	TRUE
155124.1	209640.7	182839.5	168950.2	136608.4	139299.7	178326.5	138744.4	TRUE
29899.4	28836.6	66882.8	26944.1	19034.4	47826.6	30946.9	23089.8	TRUE
36723.4	88197.3	18599.1	57119.1	57358.2	20502	82398.3	61025.5	TRUE
154890	183214.7	134512.3	151966.5	134561.9	141128.3	168703.6	122633.5	TRUE

8684.3	11126.7	7554.6	5431	17320.9	6727.3	12738.4	17919.5	TRUE
37572.1	38792.4	50990.2	31727.8	26778.8	70865	21800.5	33376.9	TRUE
268174.9	257792.5	277708.9	227112.4	222358.9	310065.9	303793.4	207134.2	TRUE
41184.2	33984.8	40932.2	52219	24703.9	41673.4	43605.5	13415.6	TRUE
87382.2	91283.1	85535.2	69510.3	78433.4	97831.8	119047.4	79673.4	TRUE
181747.9	248855.5	118847.6	126602.8	198444.4	113720.3	225601.3	179904.4	TRUE
18038.6	23506.4	15593.2	27704.4	19114.7	14559	21981.8	23946	TRUE
41238.6	31383.2	29210.6	37097.5	28053	42145.2	28615.9	29777.6	TRUE
51791.4	25939	46192.2	50554.5	46313.6	38015.2	29988.6	52801.4	TRUE
144483.8	79202.2	147054.2	148525.6	221623.4	120633.2	129708.9	130464.7	TRUE
221855.7	129027.2	265092.2	271665.8	162159.3	276339.4	156009.4	191683.6	TRUE
74339.6	79215.8	70580.1	80755.4	65601	76841	96680.2	81947.8	TRUE
18981.8	10499.4	16359.8	24510	18064.8	28004.2	12360.2	12801.7	TRUE
97867.5	104295.8	101393.2	77769.5	108771.8	100782.1	82243.8	116514.2	TRUE
63918.8	65579.2	48260	73170.9	68008.6	55173.1	62107.9	64811.7	TRUE
182333.6	144589.8	207175.5	279659	138681.2	138780.7	179602.9	155172.1	TRUE
36465.6	32957.3	34034.1	40798	21038.9	42616.5	12931.3	30701.7	TRUE
29967.1	24310.2	20425.7	6680	10578.3	19415.2	34804.8	9498.8	TRUE
67114	53863.3	54902.9	58904.5	56982.1	43767.7	57714.7	48775.9	TRUE
47851.1	34110.8	31177.4	40374.3	41867.7	48486.3	53896.5	48095.6	TRUE
55055.7	76188.8	45481.1	56403	45593.3	44875.1	83421.1	33006.8	TRUE
71266.7	64215.1	109773.8	63046.1	47101	138971.8	50622.2	47718.3	TRUE
117858.7	106604.7	101467.1	119615.4	129651.3	114936.9	116227.1	139880.5	TRUE
78075.2	55964.2	102376.1	82707.5	74077.9	87837.6	90520.7	78967.1	TRUE
132358.8	137895.1	151085.2	125678.7	112385.6	112977.2	151688	140395.3	TRUE
70348.2	70537.1	69536.6	81522.4	72801.7	76559.6	70115.5	67955.5	TRUE
41492.5	32103.3	47446.2	35007.3	52649.1	33079.3	33752.6	34498	TRUE
40661.7	41679.2	38816	57771.4	35487.6	58964.6	29572.9	51885.3	TRUE
353124.2	280357.2	295398.9	405259.5	418216.6	299871.5	347167.3	420401.4	TRUE
72277.4	68736.5	94676.2	86865.6	68320.9	91253.8	73559.3	57129.5	TRUE
73396.5	95837.9	70057.2	80343.8	91152.5	92186.7	90425.4	97172.1	TRUE
18807.3	8786.7	23332	10658.8	34196	21583.5	23313.1	22515.8	TRUE
215611.9	190853.7	215211.7	238053.4	202752	223227.9	173155.3	203851.9	TRUE
107898.2	109539.3	117173.2	109537.2	120117.1	119557	125197	109050.3	TRUE

IInvalidProb IPrecursorPercentage

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1.00E+00	0.92
1.00E+00	0.94
1.00E+00	0.9
1.00E+00	0.9
1.00E+00	0.68
1.00E+00	0.44
1.00E+00	0.96
1.00E+00	0.67
1.00E+00	0.76
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.92

1.00E+00	0.86
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.72
1.00E+00	1
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.91
1.00E+00	0.76
1.00E+00	1
1.00E+00	0.76
1.00E+00	0.88
1.00E+00	0.83
1.00E+00	0.42
1.00E+00	1
1.00E+00	0.87
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.51
1.00E+00	0.92
1.00E+00	0.93
1.00E+00	0.78
1.00E+00	0.84
1.00E+00	0.83
1.00E+00	0.86
1.00E+00	0.82
1.00E+00	0.9
1.00E+00	0.74
1.00E+00	0.94
1.00E+00	1

1.00E+00	0.71
1.00E+00	0.85
1.00E+00	0.87
1.00E+00	0.64
1.00E+00	0.95
1.00E+00	0.76
1.00E+00	0.92
1.00E+00	0.94
1.00E+00	0.94
1.00E+00	0.88
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.8
1.00E+00	0.94
1.00E+00	0.96
1.00E+00	0.72
1.00E+00	1
1.00E+00	0.45
1.00E+00	0.81
1.00E+00	0.92
1.00E+00	0.73
1.00E+00	0.63
1.00E+00	0.82
1.00E+00	0.87
1.00E+00	0.84
1.00E+00	0.97
1.00E+00	0.7
1.00E+00	0.88
1.00E+00	0.74
1.00E+00	0.49
1.00E+00	0.77
1.00E+00	0.85
1.00E+00	0.94

1.00E+00 0.88

1.00E+00 1

1.00E+00 1

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1.00E+00 0.95

1.00E+00 0.95

1.00E+00 0.87

1.00E+00 0.95

1.00E+00 0.95

1.00E+00 0.87

1.00E+00 0.76

1.00E+00 0.9

1.00E+00 1

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1.00E+00 1

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1.00E+00 0.97

1.00E+00 0.93

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1.00E+00	0.91
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1.00E+00	1

1.00E+00	0.92
1.00E+00	1
1.00E+00	0.96
1.00E+00	0.87
1.00E+00	0.84
1.00E+00	0.85
1.00E+00	0.78
1.00E+00	1
1.00E+00	0.82
1.00E+00	0.78
1.00E+00	1
1.00E+00	0.76
1.00E+00	0.93
1.00E+00	0.79
1.00E+00	0.88
1.00E+00	0.87
1.00E+00	0.88
1.00E+00	0.57
1.00E+00	0.65
1.00E+00	0.61
1.00E+00	0.69
1.00E+00	0.85
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.91
1.00E+00	0.64
1.00E+00	0.82

1.00E+00	0.95
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.72
1.00E+00	0.71
1.00E+00	0.88
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.74

1.00E+00	0.71
1.00E+00	0.9
1.00E+00	0.76
1.00E+00	0.79
1.00E+00	1
1.00E+00	0.54

1.00E+00	0.46
1.00E+00	0.72
1.00E+00	0.74
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.88

1.00E+00	0.84
1.00E+00	0.46
1.00E+00	0.73

1.00E+00	0.92
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1.00E+00	0.64
1.00E+00	0.71
1.00E+00	0.89

1.00E+00	1
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.82
1.00E+00	0.76
1.00E+00	0.64
1.00E+00	0.68

1.00E+00	1
1.00E+00	0.94
1.00E+00	0.84
1.00E+00	0.83
1.00E+00	0.94
1.00E+00	0.81
1.00E+00	0.81
1.00E+00	0.52
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.73
1.00E+00	0.86
1.00E+00	1

1.00E+00	1
1.00E+00	0.95
1.00E+00	0.9

1.00E+00	1
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1.00E+00	1
1.00E+00	0.94

1.00E+00	0.76
1.00E+00	0.88
1.00E+00	0.62
1.00E+00	0.61
1.00E+00	1
1.00E+00	0.82
1.00E+00	0.67
1.00E+00	0.82
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.79
1.00E+00	0.97
1.00E+00	0.71
1.00E+00	1
1.00E+00	1

1.00E+00	0.61
1.00E+00	0.66
1.00E+00	0.78
1.00E+00	0.16
1.00E+00	0.83
1.00E+00	0.89
1.00E+00	1
1.00E+00	0.91

1.00E+00	0.84
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.76
1.00E+00	0.93
1.00E+00	0.65
1.00E+00	0.83
1.00E+00	0.93
1.00E+00	0.9

1.00E+00	0.68
1.00E+00	0.87
1.00E+00	0.93
1.00E+00	0.78
1.00E+00	0.78
1.00E+00	0.81
1.00E+00	0.75
1.00E+00	0.67
1.00E+00	0.62
1.00E+00	0.9
1.00E+00	0.78
1.00E+00	0.97
1.00E+00	0.88
1.00E+00	0.89
1.00E+00	0.73
1.00E+00	0.85
1.00E+00	1
1.00E+00	0.48
1.00E+00	0.92
1.00E+00	0.8
1.00E+00	0.8
1.00E+00	0.74
1.00E+00	0.95
1.00E+00	0.79
1.00E+00	0.82
1.00E+00	0.75
1.00E+00	0.82
1.00E+00	0.89
1.00E+00	0.92
1.00E+00	0.9
1.00E+00	0.52
1.00E+00	0.91
1.00E+00	0.84

1.00E+00	0.91
1.00E+00	0.84
1.00E+00	0.83
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.93

1.00E+00	0.84
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1.00E+00	0.9
1.00E+00	0.91
1.00E+00	0.84
1.00E+00	0.7
1.00E+00	0.64
1.00E+00	0.95
1.00E+00	0.83
1.00E+00	0.84
1.00E+00	0.7
1.00E+00	0.88
1.00E+00	0.63
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.94
1.00E+00	0.94
1.00E+00	0.81
1.00E+00	0.78

1.00E+00	0.71
1.00E+00	0.79
1.00E+00	0.96
1.00E+00	0.95
1.00E+00	0.89

1.00E+00	0.88
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1.00E+00	0.92
1.00E+00	0.75

1.00E+00	0.75
1.00E+00	0.95

1.00E+00	1
1.00E+00	0.49
1.00E+00	0.7
1.00E+00	0.96
1.00E+00	0.83
1.00E+00	0.78
1.00E+00	0.68
1.00E+00	0.73
1.00E+00	0.67
1.00E+00	0.75

1.00E+00	0.94
1.00E+00	0.69

1.00E+00	0.89
1.00E+00	0.88
1.00E+00	1
1.00E+00	1

1.00E+00	0.64
1.00E+00	0.91
1.00E+00	0.9
1.00E+00	0.95
1.00E+00	0.92
1.00E+00	0.62
1.00E+00	0.97
1.00E+00	0.82
1.00E+00	0.82

1.00E+00	1
1.00E+00	0.92
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.67
1.00E+00	0.78
1.00E+00	0.88
1.00E+00	0.86
1.00E+00	0.85

1.00E+00	0.93
1.00E+00	0.63
1.00E+00	0.97
1.00E+00	0.5
1.00E+00	1
1.00E+00	0.76
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.55
1.00E+00	0.4
1.00E+00	0.61
1.00E+00	0.89
1.00E+00	0.39

1.00E+00	0.95
1.00E+00	0.95
1.00E+00	0.96
1.00E+00	0.72
1.00E+00	0.82

1.00E+00	0.77
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1.00E+00	0.87
1.00E+00	0.98
1.00E+00	0.68
1.00E+00	0.93

1.00E+00	0.81
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1.00E+00	0.94
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1.00E+00	0.8
1.00E+00	0.74

1.00E+00	1
1.00E+00	0.63
1.00E+00	1
1.00E+00	0.96
1.00E+00	0.93

1.00E+00	0.57
1.00E+00	1
1.00E+00	0.82
1.00E+00	0.84
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.92
1.00E+00	0.86
1.00E+00	0.9
1.00E+00	0.75
1.00E+00	0.91
1.00E+00	0.81
1.00E+00	0.87
1.00E+00	0.7
1.00E+00	0.55
1.00E+00	0.7
1.00E+00	0.91
1.00E+00	0.85
1.00E+00	0.91
1.00E+00	0.94
1.00E+00	0.52
1.00E+00	0.49
1.00E+00	0.83
1.00E+00	0.84
1.00E+00	1
1.00E+00	0.79
1.00E+00	0.55
1.00E+00	1
1.00E+00	0.84
1.00E+00	0.48

1.00E+00	0.93
1.00E+00	0.9
1.00E+00	1
1.00E+00	1
1.00E+00	0.84
1.00E+00	0.59
1.00E+00	0.92
1.00E+00	0.62
1.00E+00	0.96

1.00E+00	0.97
1.00E+00	0.92
1.00E+00	1
1.00E+00	0.89
1.00E+00	0.93
1.00E+00	0.96
1.00E+00	0.92
1.00E+00	0.94
1.00E+00	0.96
1.00E+00	0.89
1.00E+00	0.75
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.68
1.00E+00	0.68
1.00E+00	0.88
1.00E+00	0.67
1.00E+00	0.71
1.00E+00	1
1.00E+00	0.84
1.00E+00	0.86
1.00E+00	0.88
1.00E+00	1
1.00E+00	1
1.00E+00	0.74
1.00E+00	1
1.00E+00	0.73
1.00E+00	0.84
1.00E+00	1
1.00E+00	0.76
1.00E+00	0.87
1.00E+00	0.94
1.00E+00	0.73
1.00E+00	0.5
1.00E+00	0.61
1.00E+00	0.76
1.00E+00	0.97
1.00E+00	1
1.00E+00	0.84
1.00E+00	0.69

1.00E+00	0.93
1.00E+00	0.97
1.00E+00	0.87
1.00E+00	0.92

1.00E+00	1
1.00E+00	0.92
1.00E+00	0.51
1.00E+00	0.85
1.00E+00	0.73
1.00E+00	0.82
1.00E+00	0.68
1.00E+00	0.66
1.00E+00	0.94
1.00E+00	0.97
1.00E+00	0.92
1.00E+00	0.77
1.00E+00	0.84
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.96
1.00E+00	1
1.00E+00	1
1.00E+00	0.89
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1.00E+00	0.97
1.00E+00	0.71
1.00E+00	0.96
1.00E+00	0.64
1.00E+00	0.94
1.00E+00	0.94
1.00E+00	0.98
1.00E+00	0.86
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.91
1.00E+00	0.97
1.00E+00	0.76
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1.00E+00	0.78
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1.00E+00	0.63

1.00E+00	0.95
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1.00E+00	0.73
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1.00E+00	0.9
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1.00E+00	0.91
1.00E+00	0.73
1.00E+00	0.9
1.00E+00	0.74
1.00E+00	0.83
1.00E+00	0.72
1.00E+00	1
1.00E+00	0.82
1.00E+00	0.59
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.78
1.00E+00	0.93
1.00E+00	0.83
1.00E+00	0.84
1.00E+00	0.91
1.00E+00	0.88

1.00E+00	0.7
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1.00E+00	0.6
1.00E+00	0.49
1.00E+00	0.86
1.00E+00	0.67

1.00E+00	0.96
1.00E+00	0.77
1.00E+00	0.95
1.00E+00	1
1.00E+00	1
1.00E+00	0.96
1.00E+00	0.61
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1.00E+00	0.88
1.00E+00	0.81
1.00E+00	1
1.00E+00	0.62
1.00E+00	0.85
1.00E+00	0.53
1.00E+00	0
1.00E+00	1
1.00E+00	0.83
1.00E+00	0.92
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1.00E+00	0.79
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1.00E+00	0.89
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1.00E+00	0.61
1.00E+00	0.85
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1.00E+00	0.7
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1.00E+00	0.94
1.00E+00	0.88
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1.00E+00	0.59
1.00E+00	1
1.00E+00	0.77
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1.00E+00	0.93
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1.00E+00	1

1.00E+00	0.77
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1.00E+00	0.97
1.00E+00	0.57
1.00E+00	0.8
1.00E+00	0.6
1.00E+00	0.96
1.00E+00	0.79
1.00E+00	0.98
1.00E+00	0.9
1.00E+00	0.59
1.00E+00	0.75
1.00E+00	1
1.00E+00	0.66
1.00E+00	0
1.00E+00	0.79
1.00E+00	0.69
1.00E+00	1
1.00E+00	0.56
1.00E+00	0.53
1.00E+00	0.69
1.00E+00	1
1.00E+00	0.66
1.00E+00	0.78
1.00E+00	0.74
1.00E+00	0.82
1.00E+00	1
1.00E+00	0.72
1.00E+00	1
1.00E+00	0.85
1.00E+00	0.8
1.00E+00	0.75
1.00E+00	1
1.00E+00	0.65
1.00E+00	0.64
1.00E+00	0.96
1.00E+00	1
1.00E+00	0
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.64
1.00E+00	0.94
1.00E+00	0.74
1.00E+00	1

1.00E+00	0.72
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1.00E+00	0.71
1.00E+00	1
1.00E+00	0.9
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.81
1.00E+00	1
1.00E+00	0.69
1.00E+00	0.68
1.00E+00	0.76
1.00E+00	0.44
1.00E+00	0.93
1.00E+00	0.95
1.00E+00	0.93
1.00E+00	0.87
1.00E+00	0.89
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.97
1.00E+00	0.68
1.00E+00	0.73
1.00E+00	1
1.00E+00	1
1.00E+00	0.85
1.00E+00	0.97
1.00E+00	0.87
1.00E+00	0.71
1.00E+00	0.96
1.00E+00	0.47
1.00E+00	0.82
1.00E+00	0.71
1.00E+00	0.51
1.00E+00	0.9
1.00E+00	0.83
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1.00E+00	0.76
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1.00E+00	0.82
1.00E+00	0.68
1.00E+00	0.75

1.00E+00	0.77
1.00E+00	0.71
1.00E+00	0.82
1.00E+00	0.82
1.00E+00	0.79
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1.00E+00	0.78
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1.00E+00	0.9
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1.00E+00	0.86
1.00E+00	0.79
1.00E+00	0.72
1.00E+00	0.84
1.00E+00	0.86
1.00E+00	0
1.00E+00	0.97
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.94

1.00E+00	0.94
1.00E+00	0.7
1.00E+00	0.63
1.00E+00	0.64
1.00E+00	0.95
1.00E+00	0.72
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1.00E+00	0.85
1.00E+00	0.95
1.00E+00	0.94
1.00E+00	0.85
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.5
1.00E+00	0.9
1.00E+00	0.54
1.00E+00	1

1.00E+00	0.81
1.00E+00	1
1.00E+00	0.88
1.00E+00	1
1.00E+00	0.89
1.00E+00	0.81
1.00E+00	1
1.00E+00	0.73
1.00E+00	1
1.00E+00	1
1.00E+00	0.55
1.00E+00	0.59
1.00E+00	1
1.00E+00	1
1.00E+00	0.89
1.00E+00	0.87

1.00E+00	0.67
1.00E+00	1
1.00E+00	1

1.00E+00	0.96
1.00E+00	1
1.00E+00	1

1.00E+00	0.82
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1.00E+00	0.93
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1.00E+00	0.76
1.00E+00	0.93
1.00E+00	0.79
1.00E+00	0.39
1.00E+00	0.64
1.00E+00	0.52
1.00E+00	0.78
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1.00E+00	0.93
1.00E+00	0.89
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1.00E+00	1
1.00E+00	0.88
1.00E+00	0.56
1.00E+00	0.56
1.00E+00	0.93
1.00E+00	0.98
1.00E+00	1
1.00E+00	0.77
1.00E+00	0.78
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1.00E+00	0.57
1.00E+00	0.74
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1.00E+00	0.89
1.00E+00	0.66
1.00E+00	0.95
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1.00E+00	0.86
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1.00E+00	0.86
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1.00E+00	0.89
1.00E+00	1
1.00E+00	0.86
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1.00E+00	0.6
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.92
1.00E+00	0.9
1.00E+00	0.82
1.00E+00	0.76

1.00E+00	0.85
1.00E+00	1
1.00E+00	0.88

1.00E+00	0.94
1.00E+00	0.73
1.00E+00	0.94
1.00E+00	0.93
1.00E+00	0.75
1.00E+00	0.55
1.00E+00	0.63
1.00E+00	0.57
1.00E+00	0.95
1.00E+00	0.87
1.00E+00	0.92
1.00E+00	0.68
1.00E+00	0.92

1.00E+00	1
1.00E+00	0.98
1.00E+00	0.9
1.00E+00	0.8
1.00E+00	0.76
1.00E+00	1
1.00E+00	0.92
1.00E+00	1

1.00E+00	0.94
1.00E+00	0.9
1.00E+00	0.91
1.00E+00	0.69
1.00E+00	0.86

1.00E+00 0.87

1.00E+00 0.8

1.00E+00 0.78

1.00E+00 0.89

1.00E+00 0.85

1.00E+00 0.89

1.00E+00 0.93

1.00E+00 1

1.00E+00 0.88

1.00E+00 1

1.00E+00 0.95

1.00E+00 0.61

1.00E+00 0.67

1.00E+00 0.87

1.00E+00 0.82

1.00E+00 0.63

1.00E+00 1

1.00E+00 0.88

1.00E+00 0.91

1.00E+00 0.83

1.00E+00 1

1.00E+00 0.83

1.00E+00 0.93

1.00E+00 0.49

1.00E+00 0.77

1.00E+00 0.86

1.00E+00 0.92

1.00E+00 0.77

1.00E+00 0.68

1.00E+00 0.72

1.00E+00 0.62

1.00E+00 0.87

1.00E+00 1

1.00E+00 0.95

1.00E+00 1

1.00E+00 1

1.00E+00 0.93

1.00E+00 0.89

1.00E+00 0.82

1.00E+00 0.55

1.00E+00 0.7

1.00E+00 0.49

1.00E+00 0.97

1.00E+00 0.88

1.00E+00 0.58

1.00E+00 1

1.00E+00 0.87

1.00E+00 1

1.00E+00 0.93

1.00E+00 0.83

1.00E+00 0.5

1.00E+00 0.89

1.00E+00 1

1.00E+00 0.95

1.00E+00 0.91

1.00E+00 0.46

1.00E+00 0.69

1.00E+00 0.64

1.00E+00 0.62

1.00E+00 0.59

1.00E+00 0.76

1.00E+00 0.76

1.00E+00 0.7

1.00E+00 0.67

1.00E+00 0.9

1.00E+00 0.82

1.00E+00 0.7

1.00E+00 0.74

1.00E+00 0.67

1.00E+00 0.83

1.00E+00 0.84

1.00E+00 1

1.00E+00 0.96

1.00E+00 0.84

1.00E+00 1

1.00E+00 0.42

1.00E+00 1

1.00E+00 1

1.00E+00 0.67

1.00E+00 0.95

1.00E+00 0.5

1.00E+00 0.87

1.00E+00 0.63

1.00E+00 1

1.00E+00 0.8

1.00E+00 0.92

1.00E+00	0.9
1.00E+00	0.93
1.00E+00	0.89

1.00E+00	0.9
1.00E+00	1

1.00E+00	0.77
1.00E+00	0.92

1.00E+00	0.9
1.00E+00	0.92
1.00E+00	0.76
1.00E+00	1
1.00E+00	0.59
1.00E+00	0.86

1.00E+00	1
1.00E+00	0.94
1.00E+00	0.75
1.00E+00	0.88

1.00E+00	0.93
1.00E+00	0.84
1.00E+00	0.93

1.00E+00	0.9
1.00E+00	0.57
1.00E+00	0.95
1.00E+00	0.92
1.00E+00	0.81
1.00E+00	0.83
1.00E+00	0.81
1.00E+00	0.85
1.00E+00	0.95
1.00E+00	0.95
1.00E+00	0.7
1.00E+00	0.73
1.00E+00	0.61
1.00E+00	0.79

1.00E+00	0.72
1.00E+00	0.65

1.00E+00	0.85
1.00E+00	0.72
1.00E+00	0.9
1.00E+00	0.58
1.00E+00	0.76
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.8

1.00E+00	0.76
1.00E+00	0.56
1.00E+00	0.9
1.00E+00	0.6
1.00E+00	0.9
1.00E+00	0.68
1.00E+00	0.78
1.00E+00	0.65
1.00E+00	0.75
1.00E+00	0.91
1.00E+00	0.83

1.00E+00	0.89
1.00E+00	1
1.00E+00	0.85
1.00E+00	0.85
1.00E+00	0.8
1.00E+00	0.64
1.00E+00	1
1.00E+00	0.65

1.00E+00	0.68
1.00E+00	1
1.00E+00	0.89
1.00E+00	0.92

1.00E+00	0.77
1.00E+00	1

1.00E+00	0.94
1.00E+00	0.85
1.00E+00	0.84
1.00E+00	0.94
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.94

1.00E+00	0.51
1.00E+00	1
1.00E+00	1
1.00E+00	1

1.00E+00	0.6
1.00E+00	1
1.00E+00	1
1.00E+00	0.75
1.00E+00	0.9
1.00E+00	0.62
1.00E+00	0.5
1.00E+00	0.82
1.00E+00	0.76
1.00E+00	0.73
1.00E+00	0.78
1.00E+00	0.81
1.00E+00	0.87
1.00E+00	0.65
1.00E+00	0.6
1.00E+00	0.73
1.00E+00	0.92
1.00E+00	0.94
1.00E+00	0.88
1.00E+00	0.89
1.00E+00	0.47

1.00E+00	0.55
1.00E+00	0.88
1.00E+00	0.84
1.00E+00	0.77
1.00E+00	0.88
1.00E+00	0.66
1.00E+00	0.68
1.00E+00	0.68
1.00E+00	0.93
1.00E+00	0.83
1.00E+00	0.65
1.00E+00	0.68
1.00E+00	0.82
1.00E+00	0.91
1.00E+00	0.69

1.00E+00	0.91
1.00E+00	0.73
1.00E+00	0.52
1.00E+00	0.88

1.00E+00 0.84

1.00E+00 0.93
1.00E+00 0.62
1.00E+00 0.69
1.00E+00 0.81
1.00E+00 0.95
1.00E+00 1
1.00E+00 0.89

1.00E+00 0.86
1.00E+00 0.59
1.00E+00 0.86
1.00E+00 0.86
1.00E+00 0.76
1.00E+00 0.67
1.00E+00 1

1.00E+00 0.81
1.00E+00 0.82
1.00E+00 1
1.00E+00 0.92
1.00E+00 0.9
1.00E+00 0.71
1.00E+00 0.73
1.00E+00 0.91
1.00E+00 0.93
1.00E+00 0.93

1.00E+00 1

1.00E+00 0.92
1.00E+00 0.93
1.00E+00 0.93
1.00E+00 0.89
1.00E+00 0.92
1.00E+00 1
1.00E+00 0.8
1.00E+00 0.86
1.00E+00 0.89
1.00E+00 0.92
1.00E+00 0.87

1.00E+00	0.75
1.00E+00	0.92
1.00E+00	0.84
1.00E+00	0.93
1.00E+00	0.9
1.00E+00	0.86

1.00E+00	0.85
1.00E+00	1

1.00E+00	0.87
1.00E+00	0.9
1.00E+00	0.91

1.00E+00	1
1.00E+00	0.95
1.00E+00	0.88
1.00E+00	0.91
1.00E+00	0.93
1.00E+00	0.63
1.00E+00	0.83
1.00E+00	0.91
1.00E+00	0.94
1.00E+00	0.66
1.00E+00	1
1.00E+00	0.87
1.00E+00	0.92
1.00E+00	0.94

1.00E+00	1
1.00E+00	1
1.00E+00	0.96
1.00E+00	0.96
1.00E+00	0.82

1.00E+00	0.87
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1.00E+00	0.77
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.8
1.00E+00	1
1.00E+00	0.91
1.00E+00	0
1.00E+00	0.81
1.00E+00	0.75

1.00E+00	1
1.00E+00	0.9
1.00E+00	0.77
1.00E+00	0.81
1.00E+00	0.95

1.00E+00	0.89
1.00E+00	0.9
1.00E+00	0.88
1.00E+00	0.8
1.00E+00	0.96
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.88

1.00E+00	0.73
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1.00E+00	1
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1.00E+00	0.79
1.00E+00	1
1.00E+00	1
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.66
1.00E+00	0.83
1.00E+00	0.94
1.00E+00	0.93
1.00E+00	0.82
1.00E+00	0.92
1.00E+00	0.93
1.00E+00	0.9

1.00E+00	0.78
1.00E+00	1
1.00E+00	0.72

1.00E+00	0.91
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1.00E+00	0.94
1.00E+00	0.89
1.00E+00	0.87
1.00E+00	0.74
1.00E+00	0.93
1.00E+00	0.82
1.00E+00	0.94
1.00E+00	0.85
1.00E+00	1
1.00E+00	0.66
1.00E+00	0.9
1.00E+00	0.89
1.00E+00	0.93
1.00E+00	0.75
1.00E+00	0.41
1.00E+00	0.68
1.00E+00	0.8
1.00E+00	1
1.00E+00	0.88
1.00E+00	0.69
1.00E+00	1
1.00E+00	1
1.00E+00	0.76
1.00E+00	0.75
1.00E+00	0.86
1.00E+00	0.82
1.00E+00	0.92
1.00E+00	0.8
1.00E+00	0.85
1.00E+00	0.96
1.00E+00	1
1.00E+00	0.86
1.00E+00	0.72
1.00E+00	0.97
1.00E+00	0.91
1.00E+00	0.87
1.00E+00	0.78
1.00E+00	0.89
1.00E+00	0.91
1.00E+00	0.92
1.00E+00	0.7
1.00E+00	0.69
1.00E+00	0.61
1.00E+00	0.94

1.00E+00	0.77
1.00E+00	0.92
1.00E+00	0.89
1.00E+00	0.71
1.00E+00	0.67
1.00E+00	0.87
1.00E+00	0.89
1.00E+00	0.78
1.00E+00	0.87
1.00E+00	0.7
1.00E+00	0.91
1.00E+00	0.79
1.00E+00	0.8
1.00E+00	0.63
1.00E+00	0.82
1.00E+00	0.81
1.00E+00	0.47
1.00E+00	0.8
1.00E+00	0.75
1.00E+00	0.81
1.00E+00	0.71
1.00E+00	0.83
1.00E+00	0.39
1.00E+00	0.75
1.00E+00	0.75
1.00E+00	0.85
1.00E+00	0.92
1.00E+00	0.85
1.00E+00	0.87
1.00E+00	0.64
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.85
1.00E+00	0.86
1.00E+00	0.82

1.00E+00	0.87
1.00E+00	1
1.00E+00	0.98
1.00E+00	1
1.00E+00	0.89
1.00E+00	0.64
1.00E+00	0.92
1.00E+00	0.83
1.00E+00	0.93

1.00E+00	0.63
1.00E+00	0.98
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.54
1.00E+00	0.95
1.00E+00	0.83

1.00E+00	0.51
1.00E+00	0.94
1.00E+00	0.62
1.00E+00	0.87
1.00E+00	0.55
1.00E+00	0.56
1.00E+00	0.75
1.00E+00	0.77
1.00E+00	0.91
1.00E+00	0.83
1.00E+00	0.8
1.00E+00	0.71
1.00E+00	0.56
1.00E+00	0.51
1.00E+00	0.82
1.00E+00	0.93
1.00E+00	0.4
1.00E+00	0.28
1.00E+00	0.79
1.00E+00	0.71
1.00E+00	0.43

1.00E+00	1
1.00E+00	0.79
1.00E+00	0.73
1.00E+00	1

1.00E+00	1
1.00E+00	0.58
1.00E+00	1
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.85
1.00E+00	0.84
1.00E+00	1
1.00E+00	0
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.93
1.00E+00	0.86
1.00E+00	0.87
1.00E+00	0.92
1.00E+00	0.95
1.00E+00	0.84
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.92
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.93
1.00E+00	1
1.00E+00	0.76
1.00E+00	0.85
1.00E+00	1
1.00E+00	0.84
1.00E+00	0.64
1.00E+00	1
1.00E+00	0.71
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.88
1.00E+00	0.68
1.00E+00	1
1.00E+00	0.74
1.00E+00	0.76
1.00E+00	0.65
1.00E+00	0.92
1.00E+00	0.93
1.00E+00	0.93
1.00E+00	0.92
1.00E+00	0.49
1.00E+00	0.86

1.00E+00	1
1.00E+00	0.79
1.00E+00	0.93
1.00E+00	0.62
1.00E+00	0.79
1.00E+00	1
1.00E+00	0.75
1.00E+00	0.86
1.00E+00	0.95
1.00E+00	0.94
1.00E+00	0.82
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1.00E+00	0.85
1.00E+00	0.91
1.00E+00	0.95
1.00E+00	0.91
1.00E+00	0.85
1.00E+00	0.93
1.00E+00	0.95
1.00E+00	0.59
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.86
1.00E+00	0.81
1.00E+00	0.84
1.00E+00	0.92
1.00E+00	0.94
1.00E+00	0.92
1.00E+00	0.85
1.00E+00	0.92
1.00E+00	0.82
1.00E+00	0.91

1.00E+00	0.61
1.00E+00	0.98
1.00E+00	0.91

1.00E+00	0.83
1.00E+00	0.63
1.00E+00	0.74
1.00E+00	0.41
1.00E+00	0.83
1.00E+00	0.86
1.00E+00	0.69
1.00E+00	0.93
1.00E+00	0.89
1.00E+00	0.8
1.00E+00	0.86

1.00E+00	0.53
1.00E+00	0.93
1.00E+00	0.95
1.00E+00	1
1.00E+00	1
1.00E+00	0.41
1.00E+00	0.49
1.00E+00	0.72
1.00E+00	0.8
1.00E+00	1
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.81
1.00E+00	0.95
1.00E+00	0.88
1.00E+00	0.91
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.96
1.00E+00	0.92
1.00E+00	0.92
1.00E+00	0.87
1.00E+00	0.89
1.00E+00	0.95
1.00E+00	0.65
1.00E+00	0.64
1.00E+00	0.89
1.00E+00	1
1.00E+00	0.87
1.00E+00	0.93
1.00E+00	0.94
1.00E+00	0.92
1.00E+00	0.94
1.00E+00	0.62
1.00E+00	0.97
1.00E+00	1
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.68
1.00E+00	0.82
1.00E+00	0.51

1.00E+00 0.61

1.00E+00 0.92

1.00E+00 0.73

1.00E+00 0.93

1.00E+00 1

1.00E+00 0.72

1.00E+00 0.81

1.00E+00 0.92

1.00E+00 0.92

1.00E+00 0.65

1.00E+00 0.87

1.00E+00 0.72

1.00E+00 0.81

1.00E+00 1

1.00E+00 0.81

1.00E+00 0.73

1.00E+00 1

1.00E+00 0.76

1.00E+00 0.82

1.00E+00 0.97

1.00E+00 0.97

1.00E+00 0.62

1.00E+00 0.35

1.00E+00 0.64

1.00E+00 0.93

1.00E+00 0.94

1.00E+00 0.94

1.00E+00 0.68

1.00E+00 0.84

1.00E+00 0.92

1.00E+00 0.81

1.00E+00 0.4

1.00E+00 0.37

1.00E+00 0.71

1.00E+00 1

1.00E+00	0.87
1.00E+00	0.94
1.00E+00	0.83
1.00E+00	0.77
1.00E+00	0.74

1.00E+00	0.8
1.00E+00	0.57
1.00E+00	0.6

1.00E+00	0.92
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1.00E+00	0.54
1.00E+00	0.67
1.00E+00	0.8
1.00E+00	0.78
1.00E+00	0.94
1.00E+00	0.52
1.00E+00	0.77
1.00E+00	0.84
1.00E+00	0.74
1.00E+00	0.64
1.00E+00	0.77

1.00E+00	0.77
1.00E+00	0.65
1.00E+00	0.75

1.00E+00	0.86
1.00E+00	0.68
1.00E+00	0.82
1.00E+00	0.97

1.00E+00	1
1.00E+00	0.91
1.00E+00	0.96
1.00E+00	0.95
1.00E+00	0.76
1.00E+00	0.91
1.00E+00	0.93
1.00E+00	0.72

1.00E+00	0.84
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1.00E+00	0.91
1.00E+00	0.82
1.00E+00	0.9
1.00E+00	0.78
1.00E+00	0.9
1.00E+00	0.57
1.00E+00	0.97
1.00E+00	0.92
1.00E+00	0.92
1.00E+00	0.64
1.00E+00	0.79
1.00E+00	0.94
1.00E+00	0.91
1.00E+00	0.9
1.00E+00	0.95
1.00E+00	0.93
1.00E+00	0.6
1.00E+00	0.92
1.00E+00	0.45
1.00E+00	0.56
1.00E+00	0.62
1.00E+00	0.93
1.00E+00	0.93
1.00E+00	0.51
1.00E+00	0.69
1.00E+00	0.92
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.83
1.00E+00	0.86
1.00E+00	0.79
1.00E+00	0.84
1.00E+00	0.9
1.00E+00	0.82
1.00E+00	0.64
1.00E+00	0.93
1.00E+00	0.84
1.00E+00	0.94
1.00E+00	0.87
1.00E+00	0.93
1.00E+00	0
1.00E+00	0.92
1.00E+00	1

1.00E+00	0.86
1.00E+00	0.93
1.00E+00	1
1.00E+00	0.86
1.00E+00	0.94
1.00E+00	0.64
1.00E+00	0.93
1.00E+00	0.64

1.00E+00	0.81
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1.00E+00	0.8
1.00E+00	0.87
1.00E+00	0.95
1.00E+00	0.9
1.00E+00	0.82
1.00E+00	0.88
1.00E+00	0.95

1.00E+00	0.84
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.68

1.00E+00	0.56
1.00E+00	0.92

1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.45
1.00E+00	0.96
1.00E+00	0.82
1.00E+00	0.96
1.00E+00	0.92
1.00E+00	0.76
1.00E+00	0.82
1.00E+00	0.67
1.00E+00	0.87
1.00E+00	0.84
1.00E+00	1
1.00E+00	0.81

1.00E+00	0.82
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1.00E+00	0.78
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.71
1.00E+00	0.84
1.00E+00	0.59
1.00E+00	0.92
1.00E+00	0.83
1.00E+00	0.91
1.00E+00	1
1.00E+00	1
1.00E+00	0.65
1.00E+00	0.56
1.00E+00	1
1.00E+00	1
1.00E+00	0.62
1.00E+00	0.66
1.00E+00	0.66
1.00E+00	0.57
1.00E+00	0
1.00E+00	0.75
1.00E+00	0.98
1.00E+00	0.85
1.00E+00	0.58
1.00E+00	0.84
1.00E+00	0.74
1.00E+00	0.76
1.00E+00	0.83
1.00E+00	0.89
1.00E+00	0.86
1.00E+00	0.44
1.00E+00	0.94
1.00E+00	0.91
1.00E+00	0.95
1.00E+00	0.66
1.00E+00	1
1.00E+00	1
1.00E+00	0.81
1.00E+00	0.95
1.00E+00	0.84
1.00E+00	0.83
1.00E+00	0.86
1.00E+00	1
1.00E+00	0.57

1.00E+00	0.84
1.00E+00	0.92
1.00E+00	1
1.00E+00	0.96
1.00E+00	0.79
1.00E+00	0.76
1.00E+00	0.8

1.00E+00	0.89
1.00E+00	1

1.00E+00	0.65
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1.00E+00	0.84
1.00E+00	0.43
1.00E+00	0.87
1.00E+00	0.94

1.00E+00	1
1.00E+00	0.88
1.00E+00	0.74
1.00E+00	1
1.00E+00	0.97
1.00E+00	0.95
1.00E+00	0.84

1.00E+00	0.54
1.00E+00	0.48
1.00E+00	0.95
1.00E+00	0.93
1.00E+00	0.94

1.00E+00	0.35
1.00E+00	0.88

1.00E+00	0.79
1.00E+00	0.53
1.00E+00	0.93
1.00E+00	0.92
1.00E+00	1
1.00E+00	0.82
1.00E+00	0.8
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.92

1.00E+00	0.94
1.00E+00	0.97
1.00E+00	0.82

1.00E+00	0.96
1.00E+00	0.9
1.00E+00	0.89
1.00E+00	0.77
1.00E+00	0.84
1.00E+00	0.76
1.00E+00	0.94
1.00E+00	0.95
1.00E+00	0.96

1.00E+00	0.93
----------	------

1.00E+00	1
1.00E+00	0.81
1.00E+00	0.96
1.00E+00	0.59
1.00E+00	1

1.00E+00	0.9
1.00E+00	0.83
1.00E+00	0.91

1.00E+00	0.81
1.00E+00	0.89
1.00E+00	0.68
1.00E+00	0.61
1.00E+00	0.7
1.00E+00	0.56
1.00E+00	0.56
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.86
1.00E+00	1
1.00E+00	0.89
1.00E+00	1

1.00E+00	0.95
1.00E+00	0.9
1.00E+00	0.88
1.00E+00	0.92

1.00E+00	0.76
1.00E+00	1
1.00E+00	0.98

1.00E+00	0.88
1.00E+00	0.66
1.00E+00	0.64
1.00E+00	0.91
1.00E+00	0.62
1.00E+00	0.75
1.00E+00	0.8
1.00E+00	0.91

1.00E+00	0.91
1.00E+00	0.94
1.00E+00	0.93
1.00E+00	1

1.00E+00	1
1.00E+00	0.68
1.00E+00	0.6
1.00E+00	0.76

1.00E+00	0.95
1.00E+00	0.94
1.00E+00	0.88
1.00E+00	0.63
1.00E+00	0.93
1.00E+00	0.93
1.00E+00	0.86
1.00E+00	0.95
1.00E+00	0.82
1.00E+00	0.93

1.00E+00	0.63
1.00E+00	0.94
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.94
1.00E+00	0.93
1.00E+00	0.71
1.00E+00	0.84
1.00E+00	1
1.00E+00	0.88
1.00E+00	0.96
1.00E+00	1

1.00E+00	0.86
1.00E+00	0.65
1.00E+00	0.64
1.00E+00	0.82

1.00E+00	0.67
1.00E+00	0.92

1.00E+00	0.7
1.00E+00	1
1.00E+00	0.82
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.93
1.00E+00	0.8
1.00E+00	1
1.00E+00	0.85
1.00E+00	0.9
1.00E+00	0.93
1.00E+00	0.91
1.00E+00	0.92
1.00E+00	0.64
1.00E+00	0.95
1.00E+00	0.83
1.00E+00	1

1.00E+00	0.85
1.00E+00	0.87
1.00E+00	0.95
1.00E+00	0.8
1.00E+00	0.95
1.00E+00	0.91
1.00E+00	0.95

1.00E+00	0.89
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1.00E+00	0.95
1.00E+00	0.71
1.00E+00	0.94
1.00E+00	0
1.00E+00	0.92

1.00E+00	1
1.00E+00	0.93

1.00E+00	0.93
1.00E+00	0.97
1.00E+00	1

1.00E+00	0.77
1.00E+00	0.97
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.65
1.00E+00	0.8
1.00E+00	0.77
1.00E+00	0.9
1.00E+00	0.92
1.00E+00	1
1.00E+00	0.76
1.00E+00	0
1.00E+00	0.83
1.00E+00	0.7
1.00E+00	0.94
1.00E+00	0.69
1.00E+00	0.91
1.00E+00	0.96
1.00E+00	0.92
1.00E+00	0.91
1.00E+00	0
1.00E+00	0.81
1.00E+00	1
1.00E+00	0.82
1.00E+00	0.88
1.00E+00	0.85
1.00E+00	0.88
1.00E+00	0.67
1.00E+00	0
1.00E+00	0.81
1.00E+00	1
1.00E+00	0.81
1.00E+00	0.81
1.00E+00	0.89
1.00E+00	0.92
1.00E+00	0.68
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.92
1.00E+00	0.9
1.00E+00	0.96
1.00E+00	0.95

1.00E+00	0.78
1.00E+00	0.71
1.00E+00	0.68
1.00E+00	0.57
1.00E+00	0.96
1.00E+00	0.8
1.00E+00	0.88

1.00E+00	0.93
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1.00E+00	0.86
1.00E+00	0.86
1.00E+00	0.54
1.00E+00	1
1.00E+00	0.59
1.00E+00	0.89
1.00E+00	1
1.00E+00	0.84
1.00E+00	0.95
1.00E+00	0.58
1.00E+00	0.76
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.95
1.00E+00	1

1.00E+00	0.63
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1.00E+00	0.71
1.00E+00	0.36
1.00E+00	0.71
1.00E+00	0.88
1.00E+00	0.93
1.00E+00	1
1.00E+00	1
1.00E+00	0.88
1.00E+00	0.67
1.00E+00	0.9

1.00E+00	0.95
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1.00E+00	0.64
1.00E+00	0.71
1.00E+00	0.76
1.00E+00	1
1.00E+00	0.86
1.00E+00	0.92
1.00E+00	0.78

1.00E+00	0.73
1.00E+00	0.91
1.00E+00	0.45
1.00E+00	0.63

1.00E+00	0.66
1.00E+00	1
1.00E+00	0.76
1.00E+00	0.9
1.00E+00	0.84
1.00E+00	0.89
1.00E+00	0.81
1.00E+00	0.82
1.00E+00	0.81
1.00E+00	0.83
1.00E+00	1
1.00E+00	0.73
1.00E+00	0.69

1.00E+00	1
1.00E+00	0.79
1.00E+00	0.82
1.00E+00	0.85
1.00E+00	0.87
1.00E+00	0.89
1.00E+00	0.74
1.00E+00	0.85
1.00E+00	1
1.00E+00	0.73
1.00E+00	1
1.00E+00	0.67
1.00E+00	0.93
1.00E+00	1
1.00E+00	0.81
1.00E+00	1
1.00E+00	0.75
1.00E+00	0.92

1.00E+00	0.93
1.00E+00	0.87
1.00E+00	0.74
1.00E+00	0.87
1.00E+00	0.94
1.00E+00	0.9
1.00E+00	0.97

1.00E+00	0.83
1.00E+00	0.63
1.00E+00	1
1.00E+00	0.67
1.00E+00	0.89

1.00E+00	0.92
1.00E+00	0.78
1.00E+00	0.87

1.00E+00	1
1.00E+00	0.91
1.00E+00	0.71
1.00E+00	0.76
1.00E+00	0.61
1.00E+00	1
1.00E+00	0.82
1.00E+00	1
1.00E+00	1

1.00E+00	0.57
1.00E+00	0.96

1.00E+00	0.78
1.00E+00	0.61
1.00E+00	0.83
1.00E+00	0.9
1.00E+00	0.96
1.00E+00	0.85
1.00E+00	0.64

1.00E+00	0.71
1.00E+00	0.81
1.00E+00	1
1.00E+00	0.79
1.00E+00	0.65
1.00E+00	0.85
1.00E+00	0.81
1.00E+00	0.82
1.00E+00	0.82
1.00E+00	0.74
1.00E+00	0.68
1.00E+00	0.78
1.00E+00	0.82
1.00E+00	0.8
1.00E+00	0.47
1.00E+00	0.89
1.00E+00	0.89
1.00E+00	0.56
1.00E+00	0.75
1.00E+00	0.56

1.00E+00	0.95
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1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.89

1.00E+00	1
1.00E+00	0.76

1.00E+00	0.94
1.00E+00	1
1.00E+00	0.8
1.00E+00	0.84
1.00E+00	0.79
1.00E+00	0.63
1.00E+00	0.82
1.00E+00	0.55

1.00E+00	0.86
1.00E+00	0.92
1.00E+00	1
1.00E+00	0.81
1.00E+00	0.93
1.00E+00	1

1.00E+00	0.88
1.00E+00	0.86
1.00E+00	0.66
1.00E+00	0.79

1.00E+00	0.9
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1.00E+00	0.89
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1.00E+00	0.75
1.00E+00	0.65
1.00E+00	0.74

1.00E+00	0.94
1.00E+00	0.69
1.00E+00	0.71
1.00E+00	0.75
1.00E+00	1
1.00E+00	0.74
1.00E+00	0.7
1.00E+00	0.73
1.00E+00	0.89

1.00E+00	0.92
1.00E+00	0.85
1.00E+00	0.77
1.00E+00	0.59
1.00E+00	1
1.00E+00	0.96

1.00E+00	1
1.00E+00	0.96
1.00E+00	0.96
1.00E+00	0.89
1.00E+00	0.92
1.00E+00	0.85
1.00E+00	0.94
1.00E+00	0.87
1.00E+00	1
1.00E+00	0.81
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.85
1.00E+00	0.97
1.00E+00	0.89

1.00E+00	0.81
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1.00E+00	1
1.00E+00	1
1.00E+00	0.74
1.00E+00	1
1.00E+00	0.73
1.00E+00	0.97
1.00E+00	0.67
1.00E+00	1
1.00E+00	0.81
1.00E+00	1
1.00E+00	0.92
1.00E+00	1

1.00E+00	0.81
1.00E+00	1
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.69
1.00E+00	0.71
1.00E+00	0.67
1.00E+00	0.79
1.00E+00	1
1.00E+00	0.87
1.00E+00	0.41
1.00E+00	0.86
1.00E+00	0.92
1.00E+00	0.89
1.00E+00	0.95
1.00E+00	0.84
1.00E+00	0.84
1.00E+00	0.97
1.00E+00	0.52
1.00E+00	0.94
1.00E+00	0.93
1.00E+00	0.94
1.00E+00	0.89
1.00E+00	0.77
1.00E+00	0.66
1.00E+00	0.89
1.00E+00	0.67
1.00E+00	0.58
1.00E+00	0.94
1.00E+00	0.88
1.00E+00	0.53
1.00E+00	0.84
1.00E+00	0.93
1.00E+00	0.97
1.00E+00	0.94
1.00E+00	0.87
1.00E+00	0.93
1.00E+00	0.94
1.00E+00	0.91
1.00E+00	0.94
1.00E+00	0.94
1.00E+00	0.93
1.00E+00	0.91
1.00E+00	0.87
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.72
1.00E+00	0.62

1.00E+00	0.7
1.00E+00	0.92
1.00E+00	0.91
1.00E+00	0.73
1.00E+00	0.93
1.00E+00	0.48

1.00E+00	0.96
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.94
1.00E+00	0.86
1.00E+00	0.9
1.00E+00	0.82
1.00E+00	0.93
1.00E+00	0.63

1.00E+00	0.86
1.00E+00	0.92
1.00E+00	0.79
1.00E+00	0.91
1.00E+00	0.86
1.00E+00	1
1.00E+00	0.85
1.00E+00	0.91
1.00E+00	0.88
1.00E+00	0.85
1.00E+00	1
1.00E+00	0.89
1.00E+00	1
1.00E+00	0.57
1.00E+00	0.56
1.00E+00	0.86
1.00E+00	0.57
1.00E+00	1
1.00E+00	1
1.00E+00	0.68
1.00E+00	0.83
1.00E+00	0.94
1.00E+00	0.68
1.00E+00	0.9
1.00E+00	0.52
1.00E+00	1
1.00E+00	0.45
1.00E+00	0.71

1.00E+00	0.92
1.00E+00	1
1.00E+00	0.79
1.00E+00	0.77

1.00E+00	0.79
1.00E+00	0.81
1.00E+00	1
1.00E+00	0.86
1.00E+00	0.87
1.00E+00	0.91
1.00E+00	0.67
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.79
1.00E+00	0.95
1.00E+00	1
1.00E+00	1
1.00E+00	0.74
1.00E+00	0.47

1.00E+00	0.88
1.00E+00	1
1.00E+00	1
1.00E+00	0.85
1.00E+00	1
1.00E+00	0.73
1.00E+00	0.93
1.00E+00	0.75
1.00E+00	0.91
1.00E+00	0.85
1.00E+00	0.73
1.00E+00	0.9
1.00E+00	0.77
1.00E+00	0.94
1.00E+00	0.92
1.00E+00	1
1.00E+00	1
1.00E+00	0.85
1.00E+00	1
1.00E+00	0.76

1.00E+00	0.97
1.00E+00	0.95
1.00E+00	0.96
1.00E+00	1
1.00E+00	1

1.00E+00	0.75
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1.00E+00	0.79
1.00E+00	0.67
1.00E+00	1
1.00E+00	0.73
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.75
1.00E+00	0.79
1.00E+00	0.88
1.00E+00	0.95
1.00E+00	0.63
1.00E+00	0.59
1.00E+00	0.95
1.00E+00	0.65
1.00E+00	0.83
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.65
1.00E+00	0.93
1.00E+00	0.71
1.00E+00	0.84
1.00E+00	0.92
1.00E+00	0.86
1.00E+00	0.67
1.00E+00	0.87
1.00E+00	0.94
1.00E+00	0.87
1.00E+00	1
1.00E+00	0.74
1.00E+00	1
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.68
1.00E+00	1
1.00E+00	0.87
1.00E+00	0.89
1.00E+00	0.7
1.00E+00	1
1.00E+00	0.82
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.93
1.00E+00	0.8

1.00E+00	1
1.00E+00	0.85
1.00E+00	0.9

1.00E+00	0.97
1.00E+00	0.95
1.00E+00	0.92
1.00E+00	0.95
1.00E+00	0.96
1.00E+00	0.96
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.9

1.00E+00	0.93
1.00E+00	1

1.00E+00	1
1.00E+00	0.79
1.00E+00	0.67
1.00E+00	1

1.00E+00	1
1.00E+00	0.83
1.00E+00	0.88
1.00E+00	0.95

1.00E+00	0.63
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.65

1.00E+00	0.93
1.00E+00	0.71
1.00E+00	0.84
1.00E+00	0.92
1.00E+00	0.86
1.00E+00	0.67
1.00E+00	0.87
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.86
1.00E+00	0.68

1.00E+00	0.9
1.00E+00	0.7
1.00E+00	1
1.00E+00	0.82
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.93
1.00E+00	0.8
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.93
1.00E+00	0.91
1.00E+00	0.92
1.00E+00	0.75
1.00E+00	1
1.00E+00	1
1.00E+00	0.88
1.00E+00	0.92
1.00E+00	0.88
1.00E+00	0.68
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.81
1.00E+00	1
1.00E+00	1
1.00E+00	0.7
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.97
1.00E+00	0.84
1.00E+00	0.86
1.00E+00	0.93
1.00E+00	0.82
1.00E+00	0.81
1.00E+00	0.75
1.00E+00	0.61
1.00E+00	1
1.00E+00	0.63
1.00E+00	0.52
1.00E+00	1
1.00E+00	1

1.00E+00	1
1.00E+00	0.95
1.00E+00	0.73
1.00E+00	0.78
1.00E+00	0.88

1.00E+00	0.95
1.00E+00	0.74
1.00E+00	0.93

1.00E+00	1
1.00E+00	0.89
1.00E+00	0.55
1.00E+00	0.87
1.00E+00	0.77

1.00E+00	0.94
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.82

1.00E+00	0.81
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1.00E+00	0.89
1.00E+00	0.88
1.00E+00	1
1.00E+00	0.78
1.00E+00	0.93
1.00E+00	0.65
1.00E+00	0.92

1.00E+00	0.75
1.00E+00	0.74
1.00E+00	0.83
1.00E+00	0.93
1.00E+00	0.85
1.00E+00	0.67
1.00E+00	0.53
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.97
1.00E+00	0.88
1.00E+00	1
1.00E+00	1
1.00E+00	0.85
1.00E+00	0.93

1.00E+00	0.93
1.00E+00	0.92
1.00E+00	1

1.00E+00	0.86
1.00E+00	0.93
1.00E+00	0.96
1.00E+00	0.93
1.00E+00	0.85

1.00E+00	0.94
1.00E+00	0.91
1.00E+00	0.69
1.00E+00	0.77
1.00E+00	0.68
1.00E+00	0.74
1.00E+00	0.94
1.00E+00	0.84
1.00E+00	0.83

1.00E+00	0.62
1.00E+00	0.91
1.00E+00	0.81
1.00E+00	0.94
1.00E+00	0.92
1.00E+00	0.94
1.00E+00	0.84
1.00E+00	0.95
1.00E+00	0.8
1.00E+00	0.85
1.00E+00	0.86
1.00E+00	0.89
1.00E+00	0.58
1.00E+00	0.71
1.00E+00	0.81
1.00E+00	0.69
1.00E+00	0.94
1.00E+00	0.8
1.00E+00	0.85
1.00E+00	0.7
1.00E+00	0.83

1.00E+00	0.81
1.00E+00	0.96
1.00E+00	0.94
1.00E+00	0.7
1.00E+00	0.82
1.00E+00	0.63

1.00E+00	0.8
1.00E+00	0.93
1.00E+00	0.83

1.00E+00	1
1.00E+00	0.95
1.00E+00	1
1.00E+00	1
1.00E+00	0.85
1.00E+00	0.67
1.00E+00	0.8
1.00E+00	0.85
1.00E+00	0.52

1.00E+00	0.56
1.00E+00	0.71
1.00E+00	1
1.00E+00	0.57
1.00E+00	1
1.00E+00	0.79
1.00E+00	0.68
1.00E+00	0.8
1.00E+00	0.8
1.00E+00	0.75
1.00E+00	0.93
1.00E+00	0.67
1.00E+00	0.92
1.00E+00	0.71
1.00E+00	0.95
1.00E+00	0.7
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.71
1.00E+00	0.85
1.00E+00	0.89
1.00E+00	0.94

1.00E+00	0.77
1.00E+00	0.52
1.00E+00	0.91

1.00E+00	0.74
1.00E+00	1
1.00E+00	0.96
1.00E+00	0.96
1.00E+00	0.93
1.00E+00	0.83
1.00E+00	1
1.00E+00	0.76

1.00E+00	0.61
1.00E+00	0.91
1.00E+00	0.87
1.00E+00	0.67
1.00E+00	1
1.00E+00	0.71
1.00E+00	1

1.00E+00	0.96
1.00E+00	0.95

1.00E+00	0.95
1.00E+00	0.86
1.00E+00	0.75

1.00E+00	1
1.00E+00	0.76

1.00E+00	0.9
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.81
1.00E+00	1
1.00E+00	0.69
1.00E+00	0.68
1.00E+00	0.76
1.00E+00	0.44
1.00E+00	1
1.00E+00	0.64
1.00E+00	0.86
1.00E+00	0.84
1.00E+00	1
1.00E+00	0.73

1.00E+00	0.87
1.00E+00	0.82
1.00E+00	0.93
1.00E+00	0.93
1.00E+00	0.87
1.00E+00	0.94
1.00E+00	0.95
1.00E+00	0.96
1.00E+00	1
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.88
1.00E+00	0.92
1.00E+00	1
1.00E+00	0.72
1.00E+00	0.96
1.00E+00	1
1.00E+00	1

1.00E+00	0.9
1.00E+00	0.93
1.00E+00	1
1.00E+00	0.65
1.00E+00	0.61
1.00E+00	1

1.00E+00	1
1.00E+00	0.86
1.00E+00	0.77
1.00E+00	0.95
1.00E+00	0.6

1.00E+00	0.83
1.00E+00	0.84

1.00E+00	1
1.00E+00	0.88
1.00E+00	0.56
1.00E+00	0.56
1.00E+00	0.93
1.00E+00	0.98

1.00E+00	1
1.00E+00	0.77
1.00E+00	0.78
1.00E+00	0.85
1.00E+00	0.57
1.00E+00	0.74
1.00E+00	0.92
1.00E+00	0.93
1.00E+00	0.96
1.00E+00	0.71
1.00E+00	0.8

1.00E+00	0.87
1.00E+00	0.73
1.00E+00	0.87
1.00E+00	0.93
1.00E+00	0.96
1.00E+00	0.87
1.00E+00	0.74
1.00E+00	0.69
1.00E+00	0.91
1.00E+00	0.89
1.00E+00	0.97
1.00E+00	0.98
1.00E+00	0.97
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.96
1.00E+00	0.94
1.00E+00	0.68
1.00E+00	0.9
1.00E+00	0.83
1.00E+00	0.83
1.00E+00	0.91
1.00E+00	0.96
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.7
1.00E+00	0.86
1.00E+00	1
1.00E+00	0.81

1.00E+00	0.73
1.00E+00	0.77
1.00E+00	0.78
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.89
1.00E+00	0.66
1.00E+00	0.87
1.00E+00	0.61
1.00E+00	0.78
1.00E+00	0.81
1.00E+00	1
1.00E+00	0.82
1.00E+00	0.75

1.00E+00	0.91
1.00E+00	1
1.00E+00	0.48
1.00E+00	1
1.00E+00	0.96
1.00E+00	1
1.00E+00	0.85
1.00E+00	0.77
1.00E+00	0.74
1.00E+00	0.95

1.00E+00	0.92
1.00E+00	0.91
1.00E+00	0.87

1.00E+00	1
1.00E+00	0.81

1.00E+00	0.94
1.00E+00	0.67

1.00E+00	0.85
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1.00E+00	0.98
1.00E+00	0.91
1.00E+00	0.72
1.00E+00	0.68
1.00E+00	0.7
1.00E+00	0.86

1.00E+00	0.85
1.00E+00	0.84
1.00E+00	1
1.00E+00	0.96
1.00E+00	0.75
1.00E+00	0.55

1.00E+00	0.85
1.00E+00	0.93
1.00E+00	0.88
1.00E+00	0.9
1.00E+00	0.93
1.00E+00	0.82
1.00E+00	1
1.00E+00	0.75
1.00E+00	0.62
1.00E+00	1
1.00E+00	0.67
1.00E+00	1
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.92
1.00E+00	0.96

1.00E+00	0.96
1.00E+00	0.86

1.00E+00	1
1.00E+00	0.93
1.00E+00	0.92
1.00E+00	0.97
1.00E+00	0.95
1.00E+00	0.9
1.00E+00	0.94

1.00E+00	0.8
1.00E+00	0.88
1.00E+00	0.79
1.00E+00	0.78
1.00E+00	0.89
1.00E+00	0.87
1.00E+00	0.85
1.00E+00	0.94
1.00E+00	0.76
1.00E+00	1
1.00E+00	0.62
1.00E+00	0.83
1.00E+00	0.87
1.00E+00	0.6
1.00E+00	0.88

1.00E+00	1
1.00E+00	0.78
1.00E+00	0.9
1.00E+00	0.57
1.00E+00	1
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.97
1.00E+00	0.92
1.00E+00	0.92
1.00E+00	0.64
1.00E+00	0.92
1.00E+00	0.95
1.00E+00	0.95
1.00E+00	0.97
1.00E+00	0.93
1.00E+00	0.6
1.00E+00	0.92
1.00E+00	0.45
1.00E+00	0.56
1.00E+00	0.62
1.00E+00	0.93
1.00E+00	0.73
1.00E+00	0.86
1.00E+00	0.85
1.00E+00	0.69
1.00E+00	0.92
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.83
1.00E+00	0.86
1.00E+00	0.79
1.00E+00	0.84
1.00E+00	0.9
1.00E+00	0.82
1.00E+00	0.64
1.00E+00	0.93
1.00E+00	0.84
1.00E+00	0.94
1.00E+00	0.87
1.00E+00	0.93
1.00E+00	0.89
1.00E+00	0.88
1.00E+00	0.93

1.00E+00	0.92
1.00E+00	0.9
1.00E+00	0.49
1.00E+00	0.89
1.00E+00	0.86
1.00E+00	1

1.00E+00	0.75
1.00E+00	0.93
1.00E+00	0.89
1.00E+00	1
1.00E+00	1

1.00E+00	0.93
1.00E+00	1
1.00E+00	0.89

1.00E+00	0.81
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1.00E+00	0.8
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1.00E+00	0.79
1.00E+00	0.95

1.00E+00	0.92
1.00E+00	0.72
1.00E+00	0.64
1.00E+00	0.84
1.00E+00	0.69
1.00E+00	0.92
1.00E+00	0.8
1.00E+00	0.95
1.00E+00	0.7
1.00E+00	0.79
1.00E+00	0.87

1.00E+00	1
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1.00E+00	0.78
1.00E+00	0.89
1.00E+00	0.91
1.00E+00	0.92
1.00E+00	0.7
1.00E+00	0.69
1.00E+00	0.61
1.00E+00	0.94
1.00E+00	0.77

1.00E+00	0.92
1.00E+00	0.89
1.00E+00	0.71
1.00E+00	0.67
1.00E+00	0.87
1.00E+00	0.89
1.00E+00	0.78
1.00E+00	0.87
1.00E+00	0.7
1.00E+00	0.91
1.00E+00	0.79
1.00E+00	0.8
1.00E+00	0.63
1.00E+00	0.82
1.00E+00	0.81
1.00E+00	0.47
1.00E+00	0.8
1.00E+00	0.75
1.00E+00	0.81
1.00E+00	0.71
1.00E+00	0.83
1.00E+00	0.39
1.00E+00	0.85
1.00E+00	0.91
1.00E+00	0.96
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.84
1.00E+00	0.91
1.00E+00	0.87
1.00E+00	0.94
1.00E+00	0.68
1.00E+00	0.84
1.00E+00	0.92
1.00E+00	0.7
1.00E+00	1
1.00E+00	1
1.00E+00	0.96
1.00E+00	0.91
1.00E+00	0.82
1.00E+00	0.65
1.00E+00	0.9
1.00E+00	0.7
1.00E+00	0.84
1.00E+00	0.63
1.00E+00	0.83
1.00E+00	0.61
1.00E+00	0.72
1.00E+00	1
1.00E+00	0.88

1.00E+00	0.89
1.00E+00	0.87
1.00E+00	0.76
1.00E+00	0.79
1.00E+00	1
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.93

1.00E+00	0
1.00E+00	0.84
1.00E+00	0.66
1.00E+00	0.73
1.00E+00	0.82
1.00E+00	0.76
1.00E+00	0.77
1.00E+00	0.96
1.00E+00	0.91

1.00E+00	0.9
1.00E+00	1
1.00E+00	1
1.00E+00	1

1.00E+00	1
1.00E+00	0.87
1.00E+00	0.73
1.00E+00	1
1.00E+00	0.56
1.00E+00	0.94
1.00E+00	0.71
1.00E+00	1
1.00E+00	1
1.00E+00	0.73
1.00E+00	1
1.00E+00	1
1.00E+00	0.83
1.00E+00	0.76
1.00E+00	1
1.00E+00	1
1.00E+00	0.89
1.00E+00	0.69
1.00E+00	0.47
1.00E+00	0.74

1.00E+00	1
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1.00E+00	0.63
1.00E+00	0.94
1.00E+00	0.67
1.00E+00	0.95
1.00E+00	0.72
1.00E+00	0.93
1.00E+00	1
1.00E+00	1
1.00E+00	0.58
1.00E+00	0.67
1.00E+00	1
1.00E+00	0.69
1.00E+00	0.7
1.00E+00	0.79
1.00E+00	1
1.00E+00	0.68
1.00E+00	0.8
1.00E+00	0.91
1.00E+00	0.68
1.00E+00	0.86
1.00E+00	0.87
1.00E+00	0.8
1.00E+00	0.94
1.00E+00	0.96
1.00E+00	0.72
1.00E+00	1
1.00E+00	0.45
1.00E+00	0.81
1.00E+00	0.92
1.00E+00	0.73
1.00E+00	0.63
1.00E+00	0.39
1.00E+00	0.56
1.00E+00	0.76
1.00E+00	0.8
1.00E+00	0.7
1.00E+00	0.68
1.00E+00	1
1.00E+00	0.96
1.00E+00	0.87
1.00E+00	0.85
1.00E+00	0.74
1.00E+00	0.92

1.00E+00	0.77
1.00E+00	0.84

1.00E+00	0.74
1.00E+00	0.7

1.00E+00	0.94
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1.00E+00	0.9
1.00E+00	0.89
1.00E+00	0.94

1.00E+00	0.92
1.00E+00	0.93
1.00E+00	0.82
1.00E+00	0.85

1.00E+00	0.83
1.00E+00	0.87

1.00E+00	1
1.00E+00	0.84
1.00E+00	0.87
1.00E+00	0.87
1.00E+00	1
1.00E+00	1
1.00E+00	0.83
1.00E+00	0.93
1.00E+00	0.93
1.00E+00	1
1.00E+00	0.97

1.00E+00	1
1.00E+00	0.62
1.00E+00	0.84

1.00E+00	0.77
1.00E+00	1
1.00E+00	0.84
1.00E+00	0.63
1.00E+00	1
1.00E+00	0.74
1.00E+00	0.89
1.00E+00	0.5
1.00E+00	0.55

1.00E+00	1
1.00E+00	0.94
1.00E+00	0.8
1.00E+00	0.94
1.00E+00	0.89

1.00E+00	0.79
1.00E+00	0.94
1.00E+00	1
1.00E+00	1
1.00E+00	0.84
1.00E+00	0.6

1.00E+00	0.8
1.00E+00	0.95
1.00E+00	0.61
1.00E+00	0.71
1.00E+00	0.94
1.00E+00	0.83
1.00E+00	1
1.00E+00	0.87
1.00E+00	0.92
1.00E+00	0.95
1.00E+00	0.78
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.89
1.00E+00	0.58
1.00E+00	0.93
1.00E+00	0.74
1.00E+00	0.51
1.00E+00	1
1.00E+00	1

1.00E+00	0.71
1.00E+00	0.59
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.95
1.00E+00	0.8
1.00E+00	0.83
1.00E+00	0.8
1.00E+00	0.93
1.00E+00	0.84
1.00E+00	0.95
1.00E+00	0.81
1.00E+00	0.83
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.9
1.00E+00	0.84
1.00E+00	1
1.00E+00	1
1.00E+00	0.56
1.00E+00	0.79
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.89
1.00E+00	0.92
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.72
1.00E+00	0.84
1.00E+00	0.71
1.00E+00	1
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.71
1.00E+00	0.88
1.00E+00	0.85
1.00E+00	0.93
1.00E+00	0.94
1.00E+00	0.59

1.00E+00	0.56
1.00E+00	0.88
1.00E+00	1
1.00E+00	0.75
1.00E+00	0.83
1.00E+00	0.95
1.00E+00	0.89
1.00E+00	0.76
1.00E+00	0.68
1.00E+00	0.9
1.00E+00	0.94
1.00E+00	0.91
1.00E+00	0.94
1.00E+00	0.42
1.00E+00	1
1.00E+00	0.74
1.00E+00	0.67
1.00E+00	1
1.00E+00	0.88
1.00E+00	0.91
1.00E+00	0.9
1.00E+00	0.83
1.00E+00	0.85
1.00E+00	0.83
1.00E+00	1
1.00E+00	0.63

1.00E+00	0.85
1.00E+00	0.57
1.00E+00	1
1.00E+00	0.88
1.00E+00	0.78
1.00E+00	0.92

1.00E+00	0.95
1.00E+00	0.78
1.00E+00	0.89
1.00E+00	1
1.00E+00	0.86
1.00E+00	0.67
1.00E+00	1
1.00E+00	0.83
1.00E+00	0.89

1.00E+00	0.75
1.00E+00	0.87
1.00E+00	0.92

1.00E+00 1

1.00E+00 0.9

1.00E+00 0.68

1.00E+00 0.74

1.00E+00 0.95

1.00E+00 0.71

1.00E+00 0.88

1.00E+00 0.8

1.00E+00 0.8

1.00E+00 0.81

1.00E+00 0.92

1.00E+00 0.68

1.00E+00 0.95

1.00E+00 0.9

1.00E+00 0.94

1.00E+00 0.96

1.00E+00 0.92

1.00E+00 0.72

1.00E+00 0.83

1.00E+00 0.46

1.00E+00 0.94

1.00E+00 0.84

1.00E+00 0.72

1.00E+00 0.68

1.00E+00 0.92

1.00E+00 0.64

1.00E+00 0.82

1.00E+00 0.91

1.00E+00 0.97

1.00E+00 0.94

1.00E+00 0.83

1.00E+00 0.91

1.00E+00 0.8

1.00E+00 0.55

1.00E+00 0.96

1.00E+00	0.89
1.00E+00	0.67

1.00E+00	0.8
1.00E+00	0.66
1.00E+00	1
1.00E+00	0.68
1.00E+00	0.97
1.00E+00	0.95

1.00E+00	0.67
1.00E+00	0.6

1.00E+00	0.94
1.00E+00	0.85

1.00E+00	0.76
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1.00E+00	1
1.00E+00	0.8
1.00E+00	0.85
1.00E+00	0.94
1.00E+00	0.93
1.00E+00	1
1.00E+00	0.79
1.00E+00	0.85
1.00E+00	0.87
1.00E+00	0.95
1.00E+00	0.97
1.00E+00	0.87
1.00E+00	0.94
1.00E+00	0.73
1.00E+00	0.57
1.00E+00	1
1.00E+00	0.86
1.00E+00	0.46
1.00E+00	0.95

1.00E+00	0.82
1.00E+00	0.92
1.00E+00	0
1.00E+00	0.61
1.00E+00	0.92
1.00E+00	0.71
1.00E+00	0.71
1.00E+00	0.77
1.00E+00	0.77
1.00E+00	0.82
1.00E+00	0.55
1.00E+00	0.66
1.00E+00	0.95
1.00E+00	0.89
1.00E+00	1
1.00E+00	0.89
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.82
1.00E+00	0.95
1.00E+00	0.9
1.00E+00	0.76
1.00E+00	1
1.00E+00	1
1.00E+00	0.74
1.00E+00	0.96
1.00E+00	0.96
1.00E+00	0.79
1.00E+00	0.76
1.00E+00	0.93
1.00E+00	0.85
1.00E+00	0.8
1.00E+00	0.82
1.00E+00	0.64
1.00E+00	0.72
1.00E+00	0.89
1.00E+00	0.51
1.00E+00	0.76
1.00E+00	0.65
1.00E+00	0.81

1.00E+00	0.93
1.00E+00	0.81
1.00E+00	0.43
1.00E+00	0.83
1.00E+00	0.81
1.00E+00	0.87
1.00E+00	0.66
1.00E+00	0.82
1.00E+00	0.53
1.00E+00	1

1.00E+00	0.72
1.00E+00	0.96

1.00E+00	0.53
1.00E+00	0.82

1.00E+00	0.93
1.00E+00	0.88
1.00E+00	0.58

1.00E+00	0.89
1.00E+00	0.94

1.00E+00	0.61
1.00E+00	0.89
1.00E+00	0.91
1.00E+00	0.86
1.00E+00	0.87
1.00E+00	0.7
1.00E+00	0.78
1.00E+00	0.84
1.00E+00	0.94
1.00E+00	0.95
1.00E+00	0.89
1.00E+00	0.98

1.00E+00	0.92
1.00E+00	1
1.00E+00	0.97

1.00E+00	0.81
1.00E+00	0.72
1.00E+00	0.73
1.00E+00	0.64
1.00E+00	0.73
1.00E+00	0.71

1.00E+00	0.78
1.00E+00	0.64
1.00E+00	0.57

1.00E+00	0.92
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1.00E+00	0.89
1.00E+00	0
1.00E+00	0.94
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.96
1.00E+00	0.81
1.00E+00	0.92
1.00E+00	0.93
1.00E+00	0.86
1.00E+00	1
1.00E+00	0.53
1.00E+00	0.48
1.00E+00	0.41
1.00E+00	0.79
1.00E+00	1
1.00E+00	0.93
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.82
1.00E+00	0.87
1.00E+00	1
1.00E+00	0.66

1.00E+00	0.79
1.00E+00	0.93

1.00E+00	0.84
1.00E+00	0.71
1.00E+00	0.88

1.00E+00	0.81
1.00E+00	0.7
1.00E+00	0.82
1.00E+00	0.85
1.00E+00	0.91
1.00E+00	0.77
1.00E+00	1
1.00E+00	0.72
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.29
1.00E+00	0.73
1.00E+00	0.53
1.00E+00	0.5
1.00E+00	0.7
1.00E+00	0.66
1.00E+00	0.67
1.00E+00	0.67
1.00E+00	0.65
1.00E+00	0.94
1.00E+00	0.6
1.00E+00	0.67
1.00E+00	0.92
1.00E+00	0.85
1.00E+00	0.68
1.00E+00	0.85
1.00E+00	0.92
1.00E+00	1
1.00E+00	1
1.00E+00	0.47
1.00E+00	1
1.00E+00	0.75
1.00E+00	0.84
1.00E+00	0.95
1.00E+00	0.96
1.00E+00	0.9
1.00E+00	0.85
1.00E+00	0.76
1.00E+00	1
1.00E+00	0.83
1.00E+00	0.82
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.85
1.00E+00	0.81

1.00E+00	0.83
1.00E+00	0.67
1.00E+00	0.75
1.00E+00	0.91
1.00E+00	0.92
1.00E+00	1

1.00E+00	0.8
1.00E+00	0.84
1.00E+00	0.95
1.00E+00	0.73
1.00E+00	0.92
1.00E+00	0.7
1.00E+00	0.75
1.00E+00	0.76
1.00E+00	0.61
1.00E+00	0.72
1.00E+00	0.93
1.00E+00	0.92
1.00E+00	0.8
1.00E+00	0.95
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1.00E+00	0.82
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1.00E+00	0.75
1.00E+00	0.91
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1.00E+00	0.88
1.00E+00	0.89

1.00E+00	0.98
1.00E+00	0.9
1.00E+00	0.67

1.00E+00	0.7
1.00E+00	0.84
1.00E+00	0.88
1.00E+00	0.93
1.00E+00	0.77
1.00E+00	0.63
1.00E+00	0.54
1.00E+00	0.95
1.00E+00	0.82
1.00E+00	0.85
1.00E+00	0.77
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.86
1.00E+00	0.93
1.00E+00	0.94
1.00E+00	0.95
1.00E+00	0.77
1.00E+00	1
1.00E+00	0.57
1.00E+00	0.76
1.00E+00	0.85
1.00E+00	1
1.00E+00	0.69
1.00E+00	0.93
1.00E+00	0.95
1.00E+00	0.93
1.00E+00	1
1.00E+00	1
1.00E+00	0.92
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.75
1.00E+00	1
1.00E+00	0.74
1.00E+00	0.91
1.00E+00	0.86
1.00E+00	1
1.00E+00	0.75
1.00E+00	0.89
1.00E+00	0.78
1.00E+00	0.95
1.00E+00	0.58
1.00E+00	0.66
1.00E+00	0.81

1.00E+00	0.93
1.00E+00	0.97
1.00E+00	0.63
1.00E+00	0.76
1.00E+00	0.7
1.00E+00	0.6
1.00E+00	0.82
1.00E+00	0.82
1.00E+00	0.8
1.00E+00	0.64
1.00E+00	0.67
1.00E+00	0.8
1.00E+00	0.88
1.00E+00	0.59
1.00E+00	0.86
1.00E+00	0.62
1.00E+00	0
1.00E+00	0.64
1.00E+00	0
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.82
1.00E+00	0.8
1.00E+00	0.81
1.00E+00	0.7
1.00E+00	0.88
1.00E+00	0.92
1.00E+00	0.76
1.00E+00	0.94
1.00E+00	0.97
1.00E+00	0.84
1.00E+00	0.87
1.00E+00	0.72
1.00E+00	0.93
1.00E+00	0.95
1.00E+00	0.79
1.00E+00	0.75
1.00E+00	0.65
1.00E+00	0.76
1.00E+00	0.5
1.00E+00	0.58
1.00E+00	0.64
1.00E+00	1
1.00E+00	1
1.00E+00	0.77
1.00E+00	0.81
1.00E+00	0.9
1.00E+00	0.98
1.00E+00	0.69
1.00E+00	0.71

1.00E+00	0.73
1.00E+00	0.83
1.00E+00	0.92

1.00E+00	0.8
1.00E+00	0.93
1.00E+00	0.82
1.00E+00	0.9

1.00E+00	0.96
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1.00E+00	0.76
1.00E+00	0.89
1.00E+00	0.68
1.00E+00	0.87
1.00E+00	0.93
1.00E+00	0.84
1.00E+00	0.92

1.00E+00	0.69
1.00E+00	1
1.00E+00	0.77
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.86

1.00E+00	0.76
1.00E+00	0.96
1.00E+00	0.91

1.00E+00	0.81
1.00E+00	0.87
1.00E+00	0.72
1.00E+00	0.84
1.00E+00	0.71
1.00E+00	1
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.71
1.00E+00	0.88

1.00E+00	0.85
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1.00E+00 0.93

1.00E+00 1
1.00E+00 1
1.00E+00 0.9
1.00E+00 0.68
1.00E+00 0.9
1.00E+00 0.94
1.00E+00 0.91
1.00E+00 0.94
1.00E+00 0.42
1.00E+00 1
1.00E+00 0.74
1.00E+00 0.67
1.00E+00 0.88
1.00E+00 0.91
1.00E+00 0.9
1.00E+00 0.83
1.00E+00 0.85
1.00E+00 0.83
1.00E+00 0.86
1.00E+00 1
1.00E+00 0.92
1.00E+00 1
1.00E+00 0.84
1.00E+00 1
1.00E+00 0.63

1.00E+00 0.85
1.00E+00 0.57
1.00E+00 1
1.00E+00 1
1.00E+00 0.94
1.00E+00 0.86
1.00E+00 0.8
1.00E+00 1
1.00E+00 1
1.00E+00 0.97
1.00E+00 0.74
1.00E+00 1
1.00E+00 0.9
1.00E+00 1
1.00E+00 0.94
1.00E+00 1
1.00E+00 0.97
1.00E+00 1

1.00E+00	1
1.00E+00	0.47
1.00E+00	0.65
1.00E+00	0.92
1.00E+00	0
1.00E+00	0.89
1.00E+00	0.94

1.00E+00	1
1.00E+00	0.75
1.00E+00	0.87
1.00E+00	0.92
1.00E+00	1

1.00E+00	1
1.00E+00	0.89
1.00E+00	1
1.00E+00	0.84
1.00E+00	0.75
1.00E+00	0.72
1.00E+00	0.71
1.00E+00	0.88
1.00E+00	0.8
1.00E+00	0.8

1.00E+00	1
1.00E+00	1
1.00E+00	0.62
1.00E+00	0.66
1.00E+00	0.81
1.00E+00	0.53
1.00E+00	0.96

1.00E+00	0.85
1.00E+00	0.67
1.00E+00	1

1.00E+00	0.71
1.00E+00	0.81

1.00E+00	0.79
1.00E+00	0.78
1.00E+00	0.72
1.00E+00	0.71
1.00E+00	0.72
1.00E+00	0.92
1.00E+00	0.64
1.00E+00	0.84

1.00E+00	0.97
1.00E+00	0.72
1.00E+00	0.85
1.00E+00	1
1.00E+00	0.97
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.73
1.00E+00	0.87
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.77
1.00E+00	1
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.86
1.00E+00	0

1.00E+00	1
1.00E+00	0.77
1.00E+00	0.81
1.00E+00	0.93
1.00E+00	0.84
1.00E+00	0.74
1.00E+00	0.83
1.00E+00	1
1.00E+00	0.94

1.00E+00	0.96
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1.00E+00	0.9
1.00E+00	0.6
1.00E+00	0.58
1.00E+00	0.84
1.00E+00	1

1.00E+00	1
1.00E+00	1
1.00E+00	1

1.00E+00	1
1.00E+00	0.89
1.00E+00	0.94
1.00E+00	0.76
1.00E+00	0.94
1.00E+00	0.87
1.00E+00	0.06
1.00E+00	0.72
1.00E+00	0.86
1.00E+00	0.64
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.81
1.00E+00	0.9
1.00E+00	0.79
1.00E+00	0.86
1.00E+00	0.82
1.00E+00	0.77
1.00E+00	0.92

1.00E+00	1
1.00E+00	1
1.00E+00	0.96
1.00E+00	0.91
1.00E+00	0.92
1.00E+00	0.94

1.00E+00	0.83
1.00E+00	0.66
1.00E+00	0.75
1.00E+00	0.93
1.00E+00	0.86
1.00E+00	0.91
1.00E+00	0.96
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.85
1.00E+00	0.93
1.00E+00	0.93
1.00E+00	0.96
1.00E+00	0.9
1.00E+00	0.85
1.00E+00	0.93
1.00E+00	0.94

1.00E+00	0.86
1.00E+00	0.85
1.00E+00	0.64
1.00E+00	0.79
1.00E+00	0.92
1.00E+00	0.94
1.00E+00	0.57
1.00E+00	0.79
1.00E+00	0.65
1.00E+00	0.72
1.00E+00	0.87
1.00E+00	0.94
1.00E+00	0.82
1.00E+00	0.49
1.00E+00	0.55
1.00E+00	0.93

1.00E+00	0.87
1.00E+00	0.86
1.00E+00	0.95
1.00E+00	0.89
1.00E+00	0.88

1.00E+00	0.47
1.00E+00	0.54
1.00E+00	0.85
1.00E+00	0.93
1.00E+00	0.9
1.00E+00	0.78
1.00E+00	1
1.00E+00	0.78
1.00E+00	0.83
1.00E+00	0.86
1.00E+00	0.92
1.00E+00	0.52

1.00E+00	0.82
1.00E+00	0.88
1.00E+00	0.78
1.00E+00	0.84

1.00E+00	0.78
1.00E+00	1
1.00E+00	0.65

1.00E+00	1
1.00E+00	0.74
1.00E+00	1
1.00E+00	0.84
1.00E+00	0.69
1.00E+00	0.94
1.00E+00	0.89
1.00E+00	1
1.00E+00	0.59
1.00E+00	1
1.00E+00	0.96
1.00E+00	0.78
1.00E+00	0.92
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.95
1.00E+00	0.9
1.00E+00	0.9
1.00E+00	0.92
1.00E+00	0.92
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.86
1.00E+00	0.74
1.00E+00	0.61
1.00E+00	0.9
1.00E+00	0.86
1.00E+00	0.77
1.00E+00	0.5
1.00E+00	0.66
1.00E+00	0.88
1.00E+00	0.93
1.00E+00	1
1.00E+00	0.88
1.00E+00	0.74
1.00E+00	0.54
1.00E+00	0.76
1.00E+00	0.56
1.00E+00	0.85
1.00E+00	0.75
1.00E+00	0.97
1.00E+00	1
1.00E+00	0.86
1.00E+00	0.85
1.00E+00	0.54
1.00E+00	0.88
1.00E+00	0.78
1.00E+00	0.8
1.00E+00	1
1.00E+00	0.83

1.00E+00	0.54
1.00E+00	1
1.00E+00	0.59
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.83
1.00E+00	0.71
1.00E+00	0.78
1.00E+00	0.65
1.00E+00	1
1.00E+00	1
1.00E+00	0.89

1.00E+00	1
1.00E+00	0.7
1.00E+00	1
1.00E+00	0.77

1.00E+00	0.78
1.00E+00	1
1.00E+00	0.7

1.00E+00	0.95
1.00E+00	0.76
1.00E+00	1
1.00E+00	0.85
1.00E+00	1
1.00E+00	0.79
1.00E+00	0.89
1.00E+00	0.9
1.00E+00	0.66
1.00E+00	0.88
1.00E+00	1
1.00E+00	0.67
1.00E+00	0.9

1.00E+00	0.83
1.00E+00	0.92
1.00E+00	0.64
1.00E+00	0.89
1.00E+00	1
1.00E+00	0.84
1.00E+00	1
1.00E+00	0.96
1.00E+00	0.89
1.00E+00	1

1.00E+00	0.92
1.00E+00	1
1.00E+00	0.62
1.00E+00	0.92
1.00E+00	0.76
1.00E+00	0.85
1.00E+00	0.7

1.00E+00	1
1.00E+00	0.78
1.00E+00	1
1.00E+00	0.82
1.00E+00	0.95
1.00E+00	0.65
1.00E+00	0.72
1.00E+00	0.81
1.00E+00	0.89
1.00E+00	1
1.00E+00	0.83
1.00E+00	0.82

1.00E+00	0.7
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1.00E+00	0.76
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.63
1.00E+00	0.85
1.00E+00	0.86
1.00E+00	0.8
1.00E+00	0.83
1.00E+00	1

1.00E+00	0.75
1.00E+00	0.47
1.00E+00	0.91
1.00E+00	0.89
1.00E+00	0.74

1.00E+00	0.67
1.00E+00	0.91
1.00E+00	0.86

1.00E+00	0.98
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1.00E+00	1
1.00E+00	1

1.00E+00	0.91
1.00E+00	0.74
1.00E+00	0.65
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.94
1.00E+00	1
1.00E+00	1
1.00E+00	0.77
1.00E+00	0.67
1.00E+00	1
1.00E+00	0.78
1.00E+00	0.72
1.00E+00	1
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.76
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.63
1.00E+00	0.87
1.00E+00	0.66
1.00E+00	0.88
1.00E+00	0.89
1.00E+00	0.55
1.00E+00	0.83
1.00E+00	0.82
1.00E+00	0.78
1.00E+00	0.69
1.00E+00	0.66
1.00E+00	0.87
1.00E+00	0.6
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.52

1.00E+00	0.67
1.00E+00	0.63
1.00E+00	0.86
1.00E+00	0.94
1.00E+00	0.8
1.00E+00	1

1.00E+00	0.77
1.00E+00	0.46
1.00E+00	0.94
1.00E+00	0.95
1.00E+00	0.82

1.00E+00	0.8
1.00E+00	0.72
1.00E+00	0.76
1.00E+00	0.94
1.00E+00	0.87
1.00E+00	0.89
1.00E+00	0.94

1.00E+00	0.92
1.00E+00	0.88
1.00E+00	0.87
1.00E+00	0.93
1.00E+00	0.9
1.00E+00	0.83
1.00E+00	0.72
1.00E+00	0.94
1.00E+00	0.91
1.00E+00	0.95
1.00E+00	0.83
1.00E+00	0.92
1.00E+00	0.88
1.00E+00	0.87
1.00E+00	0.95
1.00E+00	0.81
1.00E+00	0.73
1.00E+00	0.8
1.00E+00	0.9
1.00E+00	0.93
1.00E+00	1
1.00E+00	0.96
1.00E+00	0.85
1.00E+00	0.55
1.00E+00	0.74
1.00E+00	0.69
1.00E+00	0.72
1.00E+00	0.88
1.00E+00	0.49

1.00E+00	0.55
1.00E+00	0.87
1.00E+00	0.9
1.00E+00	0.87
1.00E+00	0.62
1.00E+00	0.84
1.00E+00	0.89
1.00E+00	0.77
1.00E+00	0.69
1.00E+00	0.88
1.00E+00	0.9
1.00E+00	0.78
1.00E+00	0.87
1.00E+00	0.86
1.00E+00	0.9
1.00E+00	0.91
1.00E+00	0.91
1.00E+00	0.97
1.00E+00	0.79
1.00E+00	0.67
1.00E+00	0.83
1.00E+00	0.72
1.00E+00	0.94
1.00E+00	0.93
1.00E+00	0.83
1.00E+00	0.96
1.00E+00	0.77
1.00E+00	0.94
1.00E+00	0.85
1.00E+00	0.93
1.00E+00	0.94
1.00E+00	0.75
1.00E+00	0.91
1.00E+00	0.8
1.00E+00	0.92
1.00E+00	0.82
1.00E+00	0.81
1.00E+00	0.71
1.00E+00	0.78
1.00E+00	0.58
1.00E+00	0.89

1.00E+00	0.51
1.00E+00	0.77
1.00E+00	0.58
1.00E+00	0.88
1.00E+00	0.84
1.00E+00	1
1.00E+00	0.61
1.00E+00	0.9
1.00E+00	0.71
1.00E+00	0.81
1.00E+00	0.95
1.00E+00	0.74
1.00E+00	0.91
1.00E+00	0.74
1.00E+00	0.71
1.00E+00	0.42
1.00E+00	0.48
1.00E+00	0.85
1.00E+00	0.89
1.00E+00	0.69
1.00E+00	0.83
1.00E+00	0.91
1.00E+00	1
1.00E+00	1
1.00E+00	0.89
1.00E+00	0.69
1.00E+00	1
1.00E+00	0.96
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.89
1.00E+00	1
1.00E+00	0.82
1.00E+00	0.64
1.00E+00	0.85
1.00E+00	0.62
1.00E+00	0.75
1.00E+00	0.83
1.00E+00	0.89
1.00E+00	0.86
1.00E+00	0.81
1.00E+00	0.79
1.00E+00	0.96
1.00E+00	0.73
1.00E+00	0.82
1.00E+00	1

1.00E+00	0.95
1.00E+00	0.9
1.00E+00	1

1.00E+00	0.73
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.87
1.00E+00	1

1.00E+00	1
1.00E+00	0.76

1.00E+00	0.63
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.88
1.00E+00	0.86
1.00E+00	0.59
1.00E+00	0.81
1.00E+00	0.5
1.00E+00	0.47
1.00E+00	0.92
1.00E+00	0.7
1.00E+00	0.91
1.00E+00	0.75
1.00E+00	0.76
1.00E+00	0.84
1.00E+00	0.72
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.93
1.00E+00	0.95
1.00E+00	0.86
1.00E+00	1
1.00E+00	0.85
1.00E+00	0.86
1.00E+00	0.86
1.00E+00	0.94
1.00E+00	0.93
1.00E+00	0.87
1.00E+00	0.81
1.00E+00	0.76
1.00E+00	0.9
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.89

1.00E+00	0.84
1.00E+00	0.78
1.00E+00	0.73
1.00E+00	0.94
1.00E+00	0.94
1.00E+00	0.74
1.00E+00	0.83
1.00E+00	0.52
1.00E+00	1

1.00E+00	1
1.00E+00	0.82
1.00E+00	0.83
1.00E+00	0.53
1.00E+00	0.67
1.00E+00	0.51
1.00E+00	0.53
1.00E+00	0.43
1.00E+00	0.52
1.00E+00	0.94
1.00E+00	0.59
1.00E+00	0.83
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.81
1.00E+00	0.97

1.00E+00	0.83
1.00E+00	0.93
1.00E+00	1
1.00E+00	0.84
1.00E+00	0.94
1.00E+00	0.95
1.00E+00	0.79
1.00E+00	1
1.00E+00	0.6

1.00E+00	0.62
1.00E+00	0.64
1.00E+00	0.73
1.00E+00	1
1.00E+00	1

1.00E+00	0.95
1.00E+00	0.84
1.00E+00	0.69
1.00E+00	0.65
1.00E+00	1
1.00E+00	0.81

1.00E+00	0.89
1.00E+00	0.91
1.00E+00	0.92
1.00E+00	0.88
1.00E+00	0.67
1.00E+00	0.81
1.00E+00	0.75
1.00E+00	0.96
1.00E+00	0.81
1.00E+00	1
1.00E+00	0.69
1.00E+00	0.89
1.00E+00	0.92
1.00E+00	0.84
1.00E+00	0.78
1.00E+00	0.85
1.00E+00	0
1.00E+00	0.9
1.00E+00	0.95
1.00E+00	0.92
1.00E+00	0.73
1.00E+00	0.77
1.00E+00	0.95
1.00E+00	0.89
1.00E+00	0.94
1.00E+00	0.93
1.00E+00	0.95
1.00E+00	0.94
1.00E+00	0.71
1.00E+00	0.66
1.00E+00	0.8
1.00E+00	0.88
1.00E+00	0.4
1.00E+00	0.37
1.00E+00	1
1.00E+00	0.63
1.00E+00	0.9
1.00E+00	0.95
1.00E+00	0.72

1.00E+00	1
1.00E+00	0.93
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.7
1.00E+00	0.94
1.00E+00	0.79
1.00E+00	0.84
1.00E+00	0.85
1.00E+00	0.87
1.00E+00	1
1.00E+00	0.73
1.00E+00	0.95
1.00E+00	0.93
1.00E+00	0.88
1.00E+00	0.91
1.00E+00	0.69
1.00E+00	0.87
1.00E+00	0.73
1.00E+00	0.95
1.00E+00	0.94
1.00E+00	0.94
1.00E+00	0.81
1.00E+00	0.8
1.00E+00	0.73
1.00E+00	0.96
1.00E+00	0.6
1.00E+00	0.86
1.00E+00	0.9
1.00E+00	0.84
1.00E+00	0.83
1.00E+00	0.75

1.00E+00	1
1.00E+00	1
1.00E+00	0.89
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.93
1.00E+00	0.86
1.00E+00	0.45
1.00E+00	0.88
1.00E+00	0.91
1.00E+00	0.87
1.00E+00	0.93
1.00E+00	0.92
1.00E+00	0.8
1.00E+00	1
1.00E+00	0.71
1.00E+00	1
1.00E+00	0.65
1.00E+00	0.86
1.00E+00	0.78
1.00E+00	1
1.00E+00	1
1.00E+00	0.83
1.00E+00	0.67
1.00E+00	0.85
1.00E+00	0.82
1.00E+00	1
1.00E+00	0.82
1.00E+00	0.81
1.00E+00	0.96
1.00E+00	0.56
1.00E+00	0.85
1.00E+00	0.61
1.00E+00	0.86
1.00E+00	0.91
1.00E+00	0.7
1.00E+00	0.59
1.00E+00	0.94
1.00E+00	0.86

1.00E+00	0.79
1.00E+00	0.84
1.00E+00	0.82
1.00E+00	0.75
1.00E+00	0.73
1.00E+00	0.61

1.00E+00	0.82
1.00E+00	0.93
1.00E+00	0.91
1.00E+00	0.92
1.00E+00	0.64
1.00E+00	0.55
1.00E+00	0.88
1.00E+00	0

1.00E+00	0.89
1.00E+00	0.73
1.00E+00	0.93
1.00E+00	0.59
1.00E+00	0.82
1.00E+00	0.87
1.00E+00	0.72
1.00E+00	0.71
1.00E+00	0.82
1.00E+00	0.86
1.00E+00	0.74
1.00E+00	0.7
1.00E+00	0.69
1.00E+00	0.57

1.00E+00	0.92
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1.00E+00	0.93
1.00E+00	0.85
1.00E+00	0.97
1.00E+00	0.92

1.00E+00	0.9
1.00E+00	0.92

1.00E+00	0.87
1.00E+00	0.85
1.00E+00	0.81

1.00E+00	0.84
1.00E+00	0.9
1.00E+00	0.88
1.00E+00	0.65
1.00E+00	0.65
1.00E+00	0.87
1.00E+00	1
1.00E+00	0.96
1.00E+00	0.64
1.00E+00	0.66
1.00E+00	0.62
1.00E+00	0.86
1.00E+00	0.71
1.00E+00	0.6
1.00E+00	0.68
1.00E+00	0
1.00E+00	0.48
1.00E+00	0.81

1.00E+00	0.81
1.00E+00	0.63
1.00E+00	0.86

1.00E+00	0.74
1.00E+00	0.91
1.00E+00	0.88
1.00E+00	0.62
1.00E+00	1
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.83
1.00E+00	0.6

1.00E+00	0.88
1.00E+00	0.87
1.00E+00	0.75
1.00E+00	0.95
1.00E+00	0.78
1.00E+00	0.56
1.00E+00	0.51
1.00E+00	0.88

1.00E+00	0.75
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.93

1.00E+00	0.93
1.00E+00	0.43
1.00E+00	0
1.00E+00	0.89
1.00E+00	1
1.00E+00	0.83
1.00E+00	1
1.00E+00	1

1.00E+00	1
1.00E+00	1

1.00E+00	0.89
1.00E+00	1
1.00E+00	0.97
1.00E+00	1

1.00E+00	0.83
1.00E+00	0.85
1.00E+00	0.93
1.00E+00	0.9

1.00E+00	0.87
1.00E+00	0.7
1.00E+00	0.88
1.00E+00	0.89
1.00E+00	0.69

1.00E+00	0.96
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1.00E+00	0.71
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1.00E+00	0.91
1.00E+00	0.94
1.00E+00	0.79

1.00E+00	0.96
1.00E+00	0.94
1.00E+00	0.8
1.00E+00	1
1.00E+00	0.61
1.00E+00	0.93
1.00E+00	0.91
1.00E+00	0.96
1.00E+00	0.92
1.00E+00	0.57
1.00E+00	0.9
1.00E+00	0.93
1.00E+00	0.93
1.00E+00	0.79
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.79
1.00E+00	0.45
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.67
1.00E+00	0.93
1.00E+00	0.89
1.00E+00	0.96
1.00E+00	0.43
1.00E+00	0.69
1.00E+00	0.62
1.00E+00	0.86
1.00E+00	0.92
1.00E+00	1
1.00E+00	0.7
1.00E+00	0.72
1.00E+00	0.96
1.00E+00	0.9
1.00E+00	0
1.00E+00	0.84

1.00E+00	1
1.00E+00	0.65
1.00E+00	0.95
1.00E+00	0.95
1.00E+00	0.82
1.00E+00	1
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.62
1.00E+00	0.91
1.00E+00	0.82
1.00E+00	1
1.00E+00	0.91

1.00E+00	0.85
1.00E+00	0.72

1.00E+00	0.67
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1.00E+00	1
1.00E+00	0.92

1.00E+00	0.66
1.00E+00	0.89

1.00E+00	0.89
1.00E+00	0.95
1.00E+00	0.92
1.00E+00	0.93
1.00E+00	0.91

1.00E+00	0.83
1.00E+00	0.9
1.00E+00	0.74
1.00E+00	0.69
1.00E+00	0.64

1.00E+00	0.86
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1.00E+00	0.85
1.00E+00	0.73
1.00E+00	0.94
1.00E+00	0.89
1.00E+00	0.8

1.00E+00	0.91
1.00E+00	1

1.00E+00	0.94
1.00E+00	0.76
1.00E+00	0.88
1.00E+00	0.86
1.00E+00	0.69
1.00E+00	0.68
1.00E+00	0.75
1.00E+00	0.48
1.00E+00	0.77
1.00E+00	0.94
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.83
1.00E+00	1
1.00E+00	0.71
1.00E+00	1
1.00E+00	0.86
1.00E+00	0.87
1.00E+00	1
1.00E+00	0.7
1.00E+00	1
1.00E+00	0.97

1.00E+00	0.79
1.00E+00	1
1.00E+00	0.83
1.00E+00	1
1.00E+00	0.83
1.00E+00	1
1.00E+00	0.8
1.00E+00	1
1.00E+00	0.98
1.00E+00	0.82
1.00E+00	0.66
1.00E+00	0.98
1.00E+00	0.97
1.00E+00	0.83
1.00E+00	0.99
1.00E+00	0.98

1.00E+00	0.97
1.00E+00	0.99
1.00E+00	1
1.00E+00	0.98
1.00E+00	0.97
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.98
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.98
1.00E+00	0.82
1.00E+00	0.69
1.00E+00	0.89
1.00E+00	0.85
1.00E+00	0.98
1.00E+00	0.9

1.00E+00	0.78
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1.00E+00	1
1.00E+00	0.98
1.00E+00	1
1.00E+00	0.94

1.00E+00	0.73
1.00E+00	1
1.00E+00	0.65
1.00E+00	0.76
1.00E+00	0.93

1.00E+00	0.97
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1.00E+00	0.94
1.00E+00	0.97
1.00E+00	0.97
1.00E+00	0.9
1.00E+00	0.98
1.00E+00	0.99
1.00E+00	0
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.97
1.00E+00	0.98
1.00E+00	0.93
1.00E+00	0.92
1.00E+00	0.81

1.00E+00	0.8
1.00E+00	0.97
1.00E+00	0.99
1.00E+00	0.9

1.00E+00	1
1.00E+00	0.99
1.00E+00	0.93

1.00E+00	0.96
1.00E+00	0.95
1.00E+00	1
1.00E+00	1
1.00E+00	0.86
1.00E+00	0.63
1.00E+00	0.91
1.00E+00	0.97
1.00E+00	0.9

1.00E+00	0.74
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1.00E+00	0.83
1.00E+00	0.75

1.00E+00	0.83
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1.00E+00	0.93
1.00E+00	0.8
1.00E+00	0.93
1.00E+00	0.9
1.00E+00	0.94
1.00E+00	0.94
1.00E+00	0.94

1.00E+00 0.89

1.00E+00 0.95
1.00E+00 0.76
1.00E+00 0.63
1.00E+00 0.8
1.00E+00 0.94
1.00E+00 0.94
1.00E+00 0.94
1.00E+00 0.95
1.00E+00 0.94
1.00E+00 0.94
1.00E+00 0.93
1.00E+00 0.95
1.00E+00 0.94
1.00E+00 0.79
1.00E+00 0.77
1.00E+00 0.76
1.00E+00 0.96
1.00E+00 0.91
1.00E+00 1
1.00E+00 0.84
1.00E+00 0.63
1.00E+00 0.78
1.00E+00 0.94
1.00E+00 0.92

1.00E+00 1
1.00E+00 0.87
1.00E+00 1
1.00E+00 0.97
1.00E+00 1
1.00E+00 1
1.00E+00 0.9
1.00E+00 0.83
1.00E+00 0.75
1.00E+00 0.97
1.00E+00 0.91
1.00E+00 0.96
1.00E+00 0.94
1.00E+00 1
1.00E+00 0.83
1.00E+00 0.88
1.00E+00 0.89
1.00E+00 0.93
1.00E+00 1
1.00E+00 0.75

1.00E+00 0.91

1.00E+00 0.8

1.00E+00 0.85

1.00E+00 0.95

1.00E+00 0.94

1.00E+00 0.94

1.00E+00 0.95

1.00E+00 0.94

1.00E+00 0.97

1.00E+00 1

1.00E+00 0.77

1.00E+00 1

1.00E+00 1

1.00E+00 0.95

1.00E+00 1

1.00E+00 0.68

1.00E+00 0.83

1.00E+00 1

1.00E+00 0.92

1.00E+00 0.72

1.00E+00 0.91

1.00E+00 0.91

1.00E+00 1

1.00E+00 1

1.00E+00 0.97

1.00E+00 1

1.00E+00 1

1.00E+00 0

1.00E+00 0.94

1.00E+00 0.94

1.00E+00 0.97

1.00E+00 0.9

1.00E+00 0.96

1.00E+00 0.67

1.00E+00 0.94

1.00E+00 0.74

1.00E+00 0.94

1.00E+00	0.95
1.00E+00	0.91
1.00E+00	0.68
1.00E+00	0.8
1.00E+00	0.87
1.00E+00	0.66
1.00E+00	0.91

1.00E+00	0.78
1.00E+00	0.83
1.00E+00	1

1.00E+00	0.91
1.00E+00	0.93
1.00E+00	0.93
1.00E+00	0.85
1.00E+00	0.92
1.00E+00	1
1.00E+00	0.83
1.00E+00	0.91
1.00E+00	0.94
1.00E+00	0.93
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.94
1.00E+00	0.95
1.00E+00	0.94
1.00E+00	0.94
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.93
1.00E+00	0.92
1.00E+00	0.92
1.00E+00	0.94
1.00E+00	0.94
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.74
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.88
1.00E+00	1

1.00E+00	0.88
1.00E+00	1
1.00E+00	0.79
1.00E+00	0.86
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.73
1.00E+00	0.87
1.00E+00	0.9
1.00E+00	0.89
1.00E+00	0.8
1.00E+00	0.61
1.00E+00	1
1.00E+00	0.88
1.00E+00	0.84
1.00E+00	1
1.00E+00	0.89
1.00E+00	1
1.00E+00	0.86
1.00E+00	0.9
1.00E+00	0.76
1.00E+00	1
1.00E+00	0.87
1.00E+00	0.91
1.00E+00	0.82
1.00E+00	0.79
1.00E+00	0.82
1.00E+00	0.94
1.00E+00	0.88
1.00E+00	0.88
1.00E+00	0.76
1.00E+00	0.89

1.00E+00	0.79
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.81
1.00E+00	0.65
1.00E+00	0.67
1.00E+00	0.59
1.00E+00	1
1.00E+00	0.93
1.00E+00	1
1.00E+00	0.62
1.00E+00	0.9
1.00E+00	0.87
1.00E+00	0.92
1.00E+00	0.94
1.00E+00	0.96
1.00E+00	0.87
1.00E+00	1
1.00E+00	0.62
1.00E+00	0.71
1.00E+00	0.65
1.00E+00	0.83
1.00E+00	0.66
1.00E+00	0.76
1.00E+00	1
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.94

1.00E+00	0.95
1.00E+00	1
1.00E+00	0.85
1.00E+00	0.85
1.00E+00	0.67
1.00E+00	0.75
1.00E+00	0.85
1.00E+00	0.68
1.00E+00	0.86
1.00E+00	0.63
1.00E+00	0.64
1.00E+00	0.71
1.00E+00	0.79
1.00E+00	0.11
1.00E+00	0.9
1.00E+00	0.94
1.00E+00	0.8
1.00E+00	0.68
1.00E+00	0.72
1.00E+00	0.48

1.00E+00	0.71
1.00E+00	1
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.64
1.00E+00	0.7
1.00E+00	0.52

1.00E+00	0.73
1.00E+00	0.95
1.00E+00	0.69
1.00E+00	0.96
1.00E+00	0.75
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.62
1.00E+00	0.71

1.00E+00	0.91
1.00E+00	1
1.00E+00	1
1.00E+00	0.96
1.00E+00	0.97
1.00E+00	1
1.00E+00	0.74
1.00E+00	0.61
1.00E+00	0.69
1.00E+00	0.72
1.00E+00	0.64
1.00E+00	0.97
1.00E+00	0.9
1.00E+00	0.79
1.00E+00	0.95
1.00E+00	0.66
1.00E+00	0.92
1.00E+00	1
1.00E+00	0.61
1.00E+00	0.83
1.00E+00	0.93
1.00E+00	0.72
1.00E+00	0.63
1.00E+00	0.88
1.00E+00	0.55
1.00E+00	0.89
1.00E+00	1
1.00E+00	0.59
1.00E+00	1
1.00E+00	0.68
1.00E+00	1
1.00E+00	1
1.00E+00	0.81
1.00E+00	0.66
1.00E+00	1
1.00E+00	0.7
1.00E+00	1
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.86
1.00E+00	0.86
1.00E+00	1
1.00E+00	0.77
1.00E+00	1
1.00E+00	0.59
1.00E+00	0.83
1.00E+00	0.68

1.00E+00	0.82
1.00E+00	0.98
1.00E+00	0.89
1.00E+00	0.89
1.00E+00	1
1.00E+00	0.83
1.00E+00	0.97
1.00E+00	1
1.00E+00	0.85
1.00E+00	1
1.00E+00	1
1.00E+00	0.48
1.00E+00	1
1.00E+00	0.74
1.00E+00	0.62
1.00E+00	0.63
1.00E+00	0.95
1.00E+00	0.65
1.00E+00	0.58
1.00E+00	0.75
1.00E+00	0.97
1.00E+00	0.74
1.00E+00	0.97
1.00E+00	0.73
1.00E+00	0.73
1.00E+00	0.79
1.00E+00	1
1.00E+00	0.68
1.00E+00	0.64
1.00E+00	0.64
1.00E+00	0.75
1.00E+00	0.57
1.00E+00	0.97
1.00E+00	0.87
1.00E+00	0.91
1.00E+00	0.95
1.00E+00	0.95
1.00E+00	0.82
1.00E+00	0.95
1.00E+00	0.63
1.00E+00	0.88
1.00E+00	1
1.00E+00	1
1.00E+00	0.96
1.00E+00	1
1.00E+00	0.64
1.00E+00	0.96
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.6
1.00E+00	0.97

1.00E+00	0.7
1.00E+00	1
1.00E+00	1
1.00E+00	0.76
1.00E+00	0.72
1.00E+00	0.77
1.00E+00	1
1.00E+00	0.69
1.00E+00	0.49
1.00E+00	0.63
1.00E+00	0.96
1.00E+00	0.68

1.00E+00	1
1.00E+00	0.7
1.00E+00	0.73
1.00E+00	0.94
1.00E+00	0.73
1.00E+00	0.86
1.00E+00	0.57
1.00E+00	0.89
1.00E+00	0.64
1.00E+00	0.61
1.00E+00	0.65
1.00E+00	1
1.00E+00	1
1.00E+00	0.76
1.00E+00	1
1.00E+00	0.74
1.00E+00	1
1.00E+00	0.73
1.00E+00	1
1.00E+00	1
1.00E+00	0.82
1.00E+00	0.97
1.00E+00	1
1.00E+00	1
1.00E+00	0.84
1.00E+00	0.75
1.00E+00	1
1.00E+00	0.64
1.00E+00	0.81
1.00E+00	0.48
1.00E+00	0.5
1.00E+00	0.55
1.00E+00	0.6
1.00E+00	0.92
1.00E+00	0.9
1.00E+00	0.79
1.00E+00	0.76
1.00E+00	0.86
1.00E+00	0.96
1.00E+00	0.72
1.00E+00	0.87
1.00E+00	0.94
1.00E+00	0.95
1.00E+00	0.73
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.69
1.00E+00	0.96

1.00E+00	0.7
1.00E+00	0.9
1.00E+00	0.93
1.00E+00	0.93
1.00E+00	1
1.00E+00	0.82
1.00E+00	0.95
1.00E+00	0.62
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.96
1.00E+00	0.89
1.00E+00	0.84
1.00E+00	0.54
1.00E+00	1
1.00E+00	0.77
1.00E+00	0.71
1.00E+00	0.68
1.00E+00	1
1.00E+00	0.83
1.00E+00	0.56
1.00E+00	1
1.00E+00	0.81
1.00E+00	0
1.00E+00	0
1.00E+00	1
1.00E+00	0.8
1.00E+00	0.88
1.00E+00	1

1.00E+00	1
1.00E+00	0.53
1.00E+00	0.75
1.00E+00	0.8
1.00E+00	0.88
1.00E+00	1
1.00E+00	0.96
1.00E+00	0.99
1.00E+00	0.65
1.00E+00	0.94

1.00E+00	0.49
1.00E+00	0.88
1.00E+00	0.49

1.00E+00	0.96
1.00E+00	0.94
1.00E+00	0.72
1.00E+00	0.94
1.00E+00	0.88
1.00E+00	0.83
1.00E+00	0.78
1.00E+00	0.83
1.00E+00	0.89
1.00E+00	0.88
1.00E+00	1
1.00E+00	0.53
1.00E+00	0.57
1.00E+00	0.83
1.00E+00	0.7

1.00E+00	0.92
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.94
1.00E+00	0.71
1.00E+00	0.85
1.00E+00	0.03
1.00E+00	0.89
1.00E+00	0.92
1.00E+00	0.9
1.00E+00	0.87
1.00E+00	0.93
1.00E+00	0.87
1.00E+00	0.91
1.00E+00	0.92
1.00E+00	0.92
1.00E+00	0.9
1.00E+00	0.9
1.00E+00	0.75
1.00E+00	0.85
1.00E+00	0.91

1.00E+00	0.94
1.00E+00	0.93
1.00E+00	0.93
1.00E+00	0.89
1.00E+00	0.92
1.00E+00	0.94
1.00E+00	0.81
1.00E+00	0.83
1.00E+00	0.92
1.00E+00	0.81
1.00E+00	0.92
1.00E+00	1
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.89
1.00E+00	0.96
1.00E+00	0.86
1.00E+00	0.95
1.00E+00	0.87
1.00E+00	0.91
1.00E+00	0.87
1.00E+00	0.9
1.00E+00	0.8
1.00E+00	0.94
1.00E+00	0.89
1.00E+00	0.92
1.00E+00	0.86
1.00E+00	0.91
1.00E+00	0.88
1.00E+00	0.91
1.00E+00	0.89
1.00E+00	0.86
1.00E+00	0.77
1.00E+00	0.84
1.00E+00	0.55
1.00E+00	0.8
1.00E+00	0.66
1.00E+00	0.94
1.00E+00	0.98
1.00E+00	0.9
1.00E+00	0.6
1.00E+00	0.84
1.00E+00	0.89
1.00E+00	0.89
1.00E+00	0.9
1.00E+00	0.8
1.00E+00	0.74
1.00E+00	0.59
1.00E+00	0.62

1.00E+00	0.89
1.00E+00	1
1.00E+00	0.83
1.00E+00	0.88

1.00E+00	0.81
1.00E+00	0.79
1.00E+00	0.89
1.00E+00	0.89
1.00E+00	0.83
1.00E+00	0.89
1.00E+00	0.86
1.00E+00	0.87
1.00E+00	0.88
1.00E+00	0.83
1.00E+00	0.81
1.00E+00	0.89
1.00E+00	0.79
1.00E+00	0.89
1.00E+00	0.91
1.00E+00	0.82
1.00E+00	0.92
1.00E+00	0.66
1.00E+00	0.92
1.00E+00	0.89
1.00E+00	0.68
1.00E+00	0.84
1.00E+00	0.79
1.00E+00	0.85
1.00E+00	0.66

1.00E+00	0.68
1.00E+00	0.94
1.00E+00	0.95
1.00E+00	0.93
1.00E+00	0.94
1.00E+00	0.57
1.00E+00	0.89
1.00E+00	0.95
1.00E+00	0.95
1.00E+00	0.94
1.00E+00	0.75
1.00E+00	0.92
1.00E+00	0.92
1.00E+00	0.93
1.00E+00	0.93

1.00E+00	0.83
1.00E+00	0.87

1.00E+00	0.89
1.00E+00	0.9
1.00E+00	0.87
1.00E+00	0.59
1.00E+00	0.6
1.00E+00	0.94
1.00E+00	0.93
1.00E+00	0.85
1.00E+00	0.55
1.00E+00	0.8
1.00E+00	0.94
1.00E+00	0.76
1.00E+00	0.68
1.00E+00	0.94
1.00E+00	0.92
1.00E+00	0.94
1.00E+00	0.6
1.00E+00	0.93
1.00E+00	0.67
1.00E+00	0.92
1.00E+00	0.71
1.00E+00	0.89
1.00E+00	0.81
1.00E+00	0.93

1.00E+00	0.72
1.00E+00	0.93
1.00E+00	0.88
1.00E+00	0.76
1.00E+00	0.64

1.00E+00	0.75
1.00E+00	0.92
1.00E+00	0.98
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.94
1.00E+00	0.7
1.00E+00	0.78
1.00E+00	0.88
1.00E+00	0.8
1.00E+00	0.86
1.00E+00	0.92

1.00E+00	0.61
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1.00E+00	0.75
1.00E+00	0.69
1.00E+00	0.97
1.00E+00	0.96
1.00E+00	0.94
1.00E+00	0.96
1.00E+00	0.97
1.00E+00	0.92
1.00E+00	0.98
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.67
1.00E+00	0.83
1.00E+00	0.67
1.00E+00	0.77
1.00E+00	0.9
1.00E+00	0.86
1.00E+00	0.95
1.00E+00	0.92
1.00E+00	0.95

1.00E+00	0.9
1.00E+00	0.95
1.00E+00	0.6
1.00E+00	0.95
1.00E+00	0.8
1.00E+00	0.83
1.00E+00	1
1.00E+00	0.96
1.00E+00	0.82

1.00E+00	0.9
1.00E+00	0.65
1.00E+00	0.95
1.00E+00	0.76
1.00E+00	0.95
1.00E+00	0.7
1.00E+00	0.78
1.00E+00	0.95
1.00E+00	0.96
1.00E+00	0.78
1.00E+00	0.72
1.00E+00	0.68
1.00E+00	0.64
1.00E+00	0.77
1.00E+00	0.84
1.00E+00	0.73
1.00E+00	0.93
1.00E+00	0.89
1.00E+00	0.93

1.00E+00	0.97
1.00E+00	0.97
1.00E+00	0.96
1.00E+00	0.7
1.00E+00	0.95
1.00E+00	0.95
1.00E+00	0.58
1.00E+00	0.78
1.00E+00	0.94
1.00E+00	0.51
1.00E+00	0.89
1.00E+00	0.89

1.00E+00	1
1.00E+00	0.73
1.00E+00	0.94
1.00E+00	0.94
1.00E+00	0.94
1.00E+00	0.95
1.00E+00	0.92
1.00E+00	0.94
1.00E+00	0.95
1.00E+00	0.96
1.00E+00	0.92
1.00E+00	0.94
1.00E+00	0.93
1.00E+00	0.92
1.00E+00	0.73
1.00E+00	0.94
1.00E+00	0.53
1.00E+00	0.7
1.00E+00	0.87
1.00E+00	1
1.00E+00	1
1.00E+00	0.88
1.00E+00	0.54
1.00E+00	0.9
1.00E+00	0.79
1.00E+00	0.73
1.00E+00	0.88
1.00E+00	0.65
1.00E+00	0.94
1.00E+00	0.89
1.00E+00	0.95
1.00E+00	0.89

1.00E+00	0.9
1.00E+00	1
1.00E+00	0.82
1.00E+00	0.91
1.00E+00	0.75
1.00E+00	0.85
1.00E+00	0.93
1.00E+00	0.76
1.00E+00	0
1.00E+00	0.92
1.00E+00	0.82
1.00E+00	0.97
1.00E+00	0.84
1.00E+00	0.92
1.00E+00	0.9
1.00E+00	0.85
1.00E+00	0.83
1.00E+00	0.89
1.00E+00	0.94
1.00E+00	0.95
1.00E+00	0.92
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.94
1.00E+00	0.76
1.00E+00	0.89
1.00E+00	0.94
1.00E+00	0.89
1.00E+00	0.94
1.00E+00	0.93
1.00E+00	1
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.78
1.00E+00	0.93
1.00E+00	0.92
1.00E+00	0.93
1.00E+00	0.92
1.00E+00	0.92
1.00E+00	0.91
1.00E+00	0.94
1.00E+00	0.91
1.00E+00	0.93
1.00E+00	0.9
1.00E+00	0.93
1.00E+00	0.91
1.00E+00	0.93
1.00E+00	0.93

1.00E+00	0.93
1.00E+00	0.9
1.00E+00	0.93
1.00E+00	0.92
1.00E+00	0.94
1.00E+00	0.91
1.00E+00	0.93
1.00E+00	0.84
1.00E+00	0.92
1.00E+00	0.83
1.00E+00	0.82
1.00E+00	0.87
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.91
1.00E+00	0.56
1.00E+00	0.93
1.00E+00	0.9
1.00E+00	0.93

1.00E+00	0.75
1.00E+00	0.87
1.00E+00	0.82
1.00E+00	0.8

1.00E+00	0.84
1.00E+00	0.95
1.00E+00	0.87
1.00E+00	0.91
1.00E+00	0.85
1.00E+00	0.65
1.00E+00	0.84
1.00E+00	0.81
1.00E+00	1
1.00E+00	0.89
1.00E+00	0.67
1.00E+00	0.93

1.00E+00 0.81

1.00E+00 0.98

1.00E+00 1

1.00E+00 0.82

1.00E+00 0.69

1.00E+00 0.82

1.00E+00 0.94

1.00E+00 0.98

1.00E+00 0.97

1.00E+00 0.98

1.00E+00 0.98

1.00E+00 0.87

1.00E+00 0.93

1.00E+00 0.98

1.00E+00 0.96

1.00E+00 0.94

1.00E+00 0.87

1.00E+00	0.97
1.00E+00	1

1.00E+00	0.96
1.00E+00	1

1.00E+00	0.66
1.00E+00	0.91

1.00E+00	0.98
----------	------

1.00E+00	0.82
1.00E+00	0.57
1.00E+00	0.59
1.00E+00	0.93
1.00E+00	0.94
1.00E+00	0.85
1.00E+00	0.84
1.00E+00	0.85
1.00E+00	0.88
1.00E+00	0.54
1.00E+00	0.75
1.00E+00	0.76
1.00E+00	0.7
1.00E+00	0.58
1.00E+00	1
1.00E+00	0.64
1.00E+00	0.65
1.00E+00	0.7
1.00E+00	0.8
1.00E+00	0.9
1.00E+00	0.77
1.00E+00	0.76
1.00E+00	0.71
1.00E+00	0.8
1.00E+00	0.86
1.00E+00	0.88
1.00E+00	0.59

1.00E+00	0.86
1.00E+00	0.77
1.00E+00	1
1.00E+00	0.58
1.00E+00	1
1.00E+00	0.6
1.00E+00	0.63
1.00E+00	0.81

1.00E+00	0.87
1.00E+00	0.91
1.00E+00	0.73
1.00E+00	0.6
1.00E+00	0.94
1.00E+00	0.94
1.00E+00	0.95
1.00E+00	0.8
1.00E+00	0.84
1.00E+00	0.92
1.00E+00	0.69
1.00E+00	0.84
1.00E+00	0.88
1.00E+00	0.69
1.00E+00	0.85
1.00E+00	0.84

1.00E+00	0.93
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.93
1.00E+00	0.94
1.00E+00	0.92
1.00E+00	0.92
1.00E+00	0.73

1.00E+00	0.9
1.00E+00	0.76
1.00E+00	1
1.00E+00	0.97
1.00E+00	0.86
1.00E+00	0.54
1.00E+00	0.76
1.00E+00	0.66
1.00E+00	0.67
1.00E+00	0.83

1.00E+00	1
1.00E+00	0.94
1.00E+00	1
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.92
1.00E+00	0.94
1.00E+00	0.93
1.00E+00	0.67
1.00E+00	0.74
1.00E+00	0.67
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.8
1.00E+00	0.96
1.00E+00	0.92
1.00E+00	0.93
1.00E+00	0.98
1.00E+00	0.83
1.00E+00	0.94
1.00E+00	0.99
1.00E+00	0.82
1.00E+00	0.91
1.00E+00	0.97
1.00E+00	0.85
1.00E+00	0.89
1.00E+00	0.78
1.00E+00	1
1.00E+00	1
1.00E+00	0.96
1.00E+00	0.94
1.00E+00	0.94
1.00E+00	0.9
1.00E+00	0.92
1.00E+00	0.85
1.00E+00	0.86
1.00E+00	0.87
1.00E+00	0.86
1.00E+00	0.89
1.00E+00	0.92
1.00E+00	0.88
1.00E+00	0.79
1.00E+00	0.93
1.00E+00	0.63
1.00E+00	0.94
1.00E+00	0.71

1.00E+00	0.77
1.00E+00	0.96
1.00E+00	0.92
1.00E+00	0.93
1.00E+00	0.83
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.94
1.00E+00	0.92
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.73
1.00E+00	0.95
1.00E+00	0.61
1.00E+00	0.93
1.00E+00	0.83
1.00E+00	0.81
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.85
1.00E+00	0.91
1.00E+00	0.82
1.00E+00	0.84
1.00E+00	0.7
1.00E+00	0.85
1.00E+00	0.68
1.00E+00	0.8
1.00E+00	0.81
1.00E+00	0.72
1.00E+00	0.91
1.00E+00	0.59
1.00E+00	0.76
1.00E+00	0.5
1.00E+00	0.79
1.00E+00	0.84
1.00E+00	0.65
1.00E+00	0.61
1.00E+00	0.85
1.00E+00	0.93
1.00E+00	0.88
1.00E+00	0.84
1.00E+00	0.7
1.00E+00	0.86
1.00E+00	0.88
1.00E+00	0.85

1.00E+00	0.89
1.00E+00	0.72
1.00E+00	0.94
1.00E+00	0.81
1.00E+00	0.78
1.00E+00	0.89
1.00E+00	0.86
1.00E+00	0.88

1.00E+00	0.73
1.00E+00	1
1.00E+00	0.97
1.00E+00	0.95
1.00E+00	0.95
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.89
1.00E+00	0.96
1.00E+00	0.95
1.00E+00	0.97
1.00E+00	1
1.00E+00	0.81
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.81
1.00E+00	1
1.00E+00	1
1.00E+00	0.79
1.00E+00	0.9
1.00E+00	0.49
1.00E+00	0.74
1.00E+00	1
1.00E+00	0.87

1.00E+00	0.83
1.00E+00	1
1.00E+00	1

1.00E+00	0.98
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1.00E+00	0.82
1.00E+00	1
1.00E+00	1

1.00E+00	1
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1.00E+00	1
1.00E+00	0.96
1.00E+00	0.95

1.00E+00	1
1.00E+00	0.82
1.00E+00	1

1.00E+00	0.93
1.00E+00	0.94
1.00E+00	0.86
1.00E+00	0.84
1.00E+00	0.9
1.00E+00	0.72
1.00E+00	0.91
1.00E+00	0.92

1.00E+00	0.96
1.00E+00	0.72
1.00E+00	0.91
1.00E+00	0.8
1.00E+00	0.94
1.00E+00	0.96
1.00E+00	0.92

1.00E+00	0.77
1.00E+00	1
1.00E+00	0.78
1.00E+00	0.85
1.00E+00	0.83

1.00E+00	0.63
1.00E+00	0.74
1.00E+00	0.62
1.00E+00	0.77

1.00E+00	0.94
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1.00E+00	0.74
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.84
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.93
1.00E+00	0.83
1.00E+00	0.88
1.00E+00	0.88
1.00E+00	0.64
1.00E+00	0.94
1.00E+00	0.72

1.00E+00	0.72
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.95

1.00E+00	0.7
1.00E+00	0.59
1.00E+00	0.62
1.00E+00	0.78
1.00E+00	0.91
1.00E+00	0.45
1.00E+00	0.96
1.00E+00	0.71
1.00E+00	0.82
1.00E+00	0.5
1.00E+00	0.72
1.00E+00	0.68
1.00E+00	1

1.00E+00	0.38
1.00E+00	0.81
1.00E+00	0.93
1.00E+00	0.84

1.00E+00	0.83
1.00E+00	1
1.00E+00	0.7
1.00E+00	1
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.9
1.00E+00	1

1.00E+00	0.47
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1.00E+00	0.92
1.00E+00	0.97
1.00E+00	0.71
1.00E+00	0.75
1.00E+00	0.64
1.00E+00	0.58
1.00E+00	0.95
1.00E+00	0.94
1.00E+00	0.7
1.00E+00	0.77
1.00E+00	0.84
1.00E+00	0.64
1.00E+00	0.97
1.00E+00	0.78

1.00E+00	0.92
1.00E+00	0.73
1.00E+00	1
1.00E+00	1
1.00E+00	0.86
1.00E+00	0.88
1.00E+00	0.93
1.00E+00	0.88
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.91
1.00E+00	0.65
1.00E+00	0.9
1.00E+00	0.96
1.00E+00	0.91
1.00E+00	0.71
1.00E+00	0.82

1.00E+00	0.78
1.00E+00	0.94
1.00E+00	0.75
1.00E+00	1
1.00E+00	0.89
1.00E+00	0.72
1.00E+00	0.77
1.00E+00	0.96
1.00E+00	0.63

1.00E+00	0.74
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1.00E+00	0.77
1.00E+00	0.98
1.00E+00	0.88
1.00E+00	0.92
1.00E+00	0.83
1.00E+00	0.89
1.00E+00	0.79
1.00E+00	0.84
1.00E+00	0.92
1.00E+00	0.94
1.00E+00	0.95
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.74
1.00E+00	0.78
1.00E+00	0.66
1.00E+00	0.87

1.00E+00	0.92
1.00E+00	0.91

1.00E+00	0.75
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1.00E+00	0.63
1.00E+00	0.83
1.00E+00	0.89
1.00E+00	0
1.00E+00	0.71
1.00E+00	0.65

1.00E+00	0.94
1.00E+00	0.44
1.00E+00	0.5
1.00E+00	0.69
1.00E+00	0.89

1.00E+00	0.44
1.00E+00	1
1.00E+00	0.44
1.00E+00	0.9
1.00E+00	0.47
1.00E+00	0.51
1.00E+00	1
1.00E+00	0.63
1.00E+00	0.69
1.00E+00	0.97
1.00E+00	0.49
1.00E+00	0.77
1.00E+00	0.78
1.00E+00	0.97
1.00E+00	0.92
1.00E+00	0.92
1.00E+00	0.95
1.00E+00	0.85
1.00E+00	0.92
1.00E+00	0.93
1.00E+00	0.61
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.93
1.00E+00	0.71
1.00E+00	0.41
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.7
1.00E+00	1
1.00E+00	0.73
1.00E+00	0.45
1.00E+00	0.72
1.00E+00	0.91
1.00E+00	0.84
1.00E+00	0.95
1.00E+00	0.87
1.00E+00	0.62
1.00E+00	0.81
1.00E+00	0.94
1.00E+00	0.85
1.00E+00	0.77
1.00E+00	0.89
1.00E+00	0.9
1.00E+00	0.83
1.00E+00	0.8
1.00E+00	0.67
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.84

1.00E+00	0.64
1.00E+00	0.61
1.00E+00	0.82
1.00E+00	0.84
1.00E+00	0.7
1.00E+00	0.96
1.00E+00	0.95
1.00E+00	0.79
1.00E+00	1
1.00E+00	0.97
1.00E+00	1

1.00E+00	1
1.00E+00	0.93
1.00E+00	0.73
1.00E+00	0
1.00E+00	1

1.00E+00	0.96
1.00E+00	0.81
1.00E+00	1
1.00E+00	0.96
1.00E+00	0.93
1.00E+00	0.89
1.00E+00	0.98
1.00E+00	0.97
1.00E+00	0.95
1.00E+00	0.52
1.00E+00	0.94
1.00E+00	0.93
1.00E+00	0.72
1.00E+00	0.8
1.00E+00	0.67

1.00E+00	0.73
1.00E+00	0.32
1.00E+00	0.91

1.00E+00	0.87
1.00E+00	0.85
1.00E+00	0.85
1.00E+00	0.71
1.00E+00	0.91
1.00E+00	0.59
1.00E+00	1
1.00E+00	0.77
1.00E+00	0.9
1.00E+00	0.95
1.00E+00	0.78
1.00E+00	0.82
1.00E+00	0.33
1.00E+00	0.85
1.00E+00	0.54
1.00E+00	0.95
1.00E+00	0.97
1.00E+00	0.75
1.00E+00	0.43
1.00E+00	0.73

1.00E+00	0.81
1.00E+00	0.91

1.00E+00	0
1.00E+00	1
1.00E+00	1
1.00E+00	0.86
1.00E+00	0.93
1.00E+00	0.88
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.64
1.00E+00	0.51
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.79
1.00E+00	0.64

1.00E+00	0.94
1.00E+00	0.61
1.00E+00	0.94
1.00E+00	1

1.00E+00	0.89
1.00E+00	0.82
1.00E+00	1
1.00E+00	0.65
1.00E+00	0.65
1.00E+00	1
1.00E+00	0.77
1.00E+00	0.6
1.00E+00	0.82
1.00E+00	0.95
1.00E+00	0.62
1.00E+00	0.95
1.00E+00	0.68
1.00E+00	0.89
1.00E+00	0.63
1.00E+00	0.67
1.00E+00	0.7
1.00E+00	0.43
1.00E+00	0.96
1.00E+00	0.86
1.00E+00	0.74
1.00E+00	0.86
1.00E+00	0.83
1.00E+00	0.4
1.00E+00	0.98
1.00E+00	0.96
1.00E+00	0.87
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.93
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.89
1.00E+00	1
1.00E+00	0.72
1.00E+00	1
1.00E+00	0.86
1.00E+00	0.94
1.00E+00	0.83
1.00E+00	0.82
1.00E+00	0.9

1.00E+00	0.82
1.00E+00	0.84
1.00E+00	0.79
1.00E+00	0.95
1.00E+00	0.85
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.58
1.00E+00	0.79
1.00E+00	0.94
1.00E+00	0.9
1.00E+00	0.74
1.00E+00	0.76

1.00E+00	0.86
1.00E+00	0.82

1.00E+00	1
1.00E+00	0.59
1.00E+00	0.83
1.00E+00	0.63
1.00E+00	0.93
1.00E+00	1

1.00E+00	0.54
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1.00E+00	0.77
1.00E+00	1
1.00E+00	0.97
1.00E+00	0.79
1.00E+00	0.81
1.00E+00	0

1.00E+00	0.53
1.00E+00	0.92
1.00E+00	1
1.00E+00	0.64
1.00E+00	0.91
1.00E+00	0.87
1.00E+00	0.91

1.00E+00	0.9
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1.00E+00	0.84
1.00E+00	0.84
1.00E+00	0.91
1.00E+00	0.54
1.00E+00	0.8

1.00E+00	0.84
1.00E+00	0.88
1.00E+00	0.67
1.00E+00	0.62
1.00E+00	0

1.00E+00	0.91
1.00E+00	0.76
1.00E+00	0.92
1.00E+00	1
1.00E+00	0.89
1.00E+00	0.92
1.00E+00	0.62
1.00E+00	0.86
1.00E+00	1
1.00E+00	0.5

1.00E+00	0.92
1.00E+00	0.61
1.00E+00	0.51
1.00E+00	0.88
1.00E+00	0.85
1.00E+00	1

1.00E+00	0.75
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.57
1.00E+00	0.73
1.00E+00	1
1.00E+00	1

1.00E+00	0.95
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.73
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.88
1.00E+00	1
1.00E+00	0.74
1.00E+00	1

1.00E+00	0.91
1.00E+00	0.94

1.00E+00	0.86
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1.00E+00	0.95
1.00E+00	0.06

1.00E+00	0.42
1.00E+00	0.68
1.00E+00	0.71
1.00E+00	0.41
1.00E+00	0.75
1.00E+00	0.54
1.00E+00	0.64
1.00E+00	0.58
1.00E+00	0.54
1.00E+00	0.87
1.00E+00	1

1.00E+00	0.93
1.00E+00	0.66

1.00E+00	0.47
1.00E+00	0.94
1.00E+00	0.84
1.00E+00	1

1.00E+00	0.74
1.00E+00	0.81
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.82
1.00E+00	0.57
1.00E+00	0.89
1.00E+00	0.98
1.00E+00	0.82

1.00E+00	0.93
1.00E+00	0.89
1.00E+00	1

1.00E+00	1
1.00E+00	0.84
1.00E+00	1

1.00E+00	0.6
1.00E+00	0.92
1.00E+00	0.49
1.00E+00	0.85
1.00E+00	0.92
1.00E+00	0.97
1.00E+00	0.8
1.00E+00	0.84

1.00E+00	0.7
1.00E+00	0.93
1.00E+00	0.66
1.00E+00	0.82
1.00E+00	0.82
1.00E+00	0.63

1.00E+00	0.87
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1.00E+00	0.88
1.00E+00	0.97
1.00E+00	0.76
1.00E+00	0.64
1.00E+00	1

1.00E+00	0.98
1.00E+00	0.93
1.00E+00	0.7

1.00E+00	0.94
1.00E+00	0.74
1.00E+00	1
1.00E+00	0.53
1.00E+00	1

1.00E+00	0.86
1.00E+00	0.94
1.00E+00	0.89
1.00E+00	0.9

1.00E+00	0.9
1.00E+00	0.76
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.89
1.00E+00	1

1.00E+00	0.66
1.00E+00	0.93
1.00E+00	0.93
1.00E+00	0.91
1.00E+00	0.95
1.00E+00	0.92
1.00E+00	1

1.00E+00	1
1.00E+00	1
1.00E+00	1

1.00E+00	0.77
1.00E+00	0.73
1.00E+00	0.87
1.00E+00	0.81
1.00E+00	0.75
1.00E+00	1
1.00E+00	0.77
1.00E+00	0.94
1.00E+00	0.88
1.00E+00	0.89
1.00E+00	0.7
1.00E+00	0.93
1.00E+00	0.92
1.00E+00	0.87
1.00E+00	0.82
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.95
1.00E+00	0.96
1.00E+00	0.59
1.00E+00	0.88
1.00E+00	0.82
1.00E+00	0.84
1.00E+00	0.77
1.00E+00	0.81
1.00E+00	1
1.00E+00	1
1.00E+00	0.86
1.00E+00	0.96
1.00E+00	1
1.00E+00	0.86
1.00E+00	0.72
1.00E+00	0.8
1.00E+00	1
1.00E+00	0.62
1.00E+00	0.89
1.00E+00	0.62
1.00E+00	0.94
1.00E+00	0.77
1.00E+00	1
1.00E+00	0.63
1.00E+00	0.83
1.00E+00	0.52
1.00E+00	0.65
1.00E+00	0.91
1.00E+00	0.88

1.00E+00	0.92
1.00E+00	1
1.00E+00	0.68
1.00E+00	0.7
1.00E+00	0.75

1.00E+00	1
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1.00E+00	0.75
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1.00E+00	0.93
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1.00E+00	0.7
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1.00E+00	0.89
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1.00E+00	0.89
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1.00E+00	1
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1.00E+00	0.95
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1.00E+00	0.59
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1.00E+00	0.74
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1.00E+00	0.74
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1.00E+00	0.89
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1.00E+00	0.82
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1.00E+00	0.98
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1.00E+00	0.78
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1.00E+00	0.74
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1.00E+00	0.94
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1.00E+00	0.89
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1.00E+00	0.92
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1.00E+00	0.57
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1.00E+00	0.94
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1.00E+00	0.47
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1.00E+00	0.63
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1.00E+00	0.81
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1.00E+00	1
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1.00E+00	0.95
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1.00E+00	0.74
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1.00E+00	0.74
1.00E+00	0.75
1.00E+00	0.66
1.00E+00	0.83

1.00E+00	0.82
1.00E+00	0.68
1.00E+00	0.93
1.00E+00	0.46
1.00E+00	0.84
1.00E+00	0.76
1.00E+00	0.89

1.00E+00	0.98
1.00E+00	0.94
1.00E+00	0.89
1.00E+00	0.76
1.00E+00	0.9
1.00E+00	0.72

1.00E+00	0.8
1.00E+00	0.83
1.00E+00	0.79
1.00E+00	0.78
1.00E+00	0.97
1.00E+00	0.72

1.00E+00	0.79
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.63

1.00E+00	0.93
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.94
1.00E+00	0.93
1.00E+00	0.91
1.00E+00	0.88
1.00E+00	0.93
1.00E+00	1
1.00E+00	1
1.00E+00	0.87

1.00E+00	0.93
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1.00E+00	0.92
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1.00E+00	1
1.00E+00	0.8
1.00E+00	0.76
1.00E+00	0.75

1.00E+00	0.92
1.00E+00	0.72
1.00E+00	0.94
1.00E+00	0.6

1.00E+00	0.96
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1.00E+00	0.89
1.00E+00	1
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.96
1.00E+00	0.93
1.00E+00	0.86
1.00E+00	0.92
1.00E+00	0.83
1.00E+00	1
1.00E+00	0.81
1.00E+00	0.69
1.00E+00	1
1.00E+00	1
1.00E+00	0.79

1.00E+00	0.79
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1.00E+00	0.57
1.00E+00	0.88
1.00E+00	0.62
1.00E+00	0.88

1.00E+00	0.82
1.00E+00	0.92
1.00E+00	0.85
1.00E+00	1
1.00E+00	0.83
1.00E+00	0.9
1.00E+00	0.92
1.00E+00	0.92
1.00E+00	0.78
1.00E+00	0.66

1.00E+00	0.83
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.89
1.00E+00	0.52
1.00E+00	0.9
1.00E+00	0.86
1.00E+00	0.95
1.00E+00	0.89
1.00E+00	0.82
1.00E+00	0.97
1.00E+00	1
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.7
1.00E+00	0.93
1.00E+00	0.75
1.00E+00	1
1.00E+00	0.88
1.00E+00	0.59
1.00E+00	0.74
1.00E+00	1
1.00E+00	1
1.00E+00	0.73
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.94
1.00E+00	0.9
1.00E+00	0.91
1.00E+00	0.81
1.00E+00	0.9
1.00E+00	0.94
1.00E+00	0.76
1.00E+00	0.76
1.00E+00	0.64
1.00E+00	1
1.00E+00	0.98
1.00E+00	0.86
1.00E+00	0.94
1.00E+00	0.7
1.00E+00	0.92
1.00E+00	0.86
1.00E+00	0.66
1.00E+00	1

1.00E+00	0.86
1.00E+00	0.55
1.00E+00	0.97

1.00E+00	0.76
1.00E+00	0.88
1.00E+00	0.89
1.00E+00	0.71
1.00E+00	0.88
1.00E+00	0.89

1.00E+00	0.72
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.46
1.00E+00	0.64
1.00E+00	0.95

1.00E+00	0.93
1.00E+00	0.92
1.00E+00	0.78
1.00E+00	0.76
1.00E+00	0.89
1.00E+00	0.88
1.00E+00	0.69
1.00E+00	0.75
1.00E+00	0.8
1.00E+00	0.78
1.00E+00	0.95
1.00E+00	0.71
1.00E+00	0.95
1.00E+00	0.81
1.00E+00	0.96
1.00E+00	0.73

1.00E+00	0.94
1.00E+00	0.53
1.00E+00	0.54
1.00E+00	0.8
1.00E+00	0.67
1.00E+00	0.91
1.00E+00	1
1.00E+00	1
1.00E+00	0.85
1.00E+00	0.61
1.00E+00	0.95

1.00E+00	0.92
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1.00E+00	0.95
1.00E+00	0.89
1.00E+00	0.71
1.00E+00	0.8
1.00E+00	1

1.00E+00	0.9
1.00E+00	0.93
1.00E+00	0.89
1.00E+00	0.95

1.00E+00	0.8
1.00E+00	0.9
1.00E+00	0.58
1.00E+00	0.77

1.00E+00	0.76
1.00E+00	0.77
1.00E+00	0.96

1.00E+00	0.78
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1.00E+00	0.73
1.00E+00	0.82
1.00E+00	0.48
1.00E+00	0.96
1.00E+00	0.94

1.00E+00	1
1.00E+00	0.68
1.00E+00	0.72
1.00E+00	1
1.00E+00	1
1.00E+00	0.69
1.00E+00	0.91
1.00E+00	0.84
1.00E+00	0.89

1.00E+00	0.89
1.00E+00	0.95
1.00E+00	0.61
1.00E+00	0.84
1.00E+00	1
1.00E+00	0.68
1.00E+00	0.89
1.00E+00	0.61

1.00E+00	0.82
1.00E+00	0.62
1.00E+00	1
1.00E+00	0.65
1.00E+00	0.88
1.00E+00	0.74
1.00E+00	1
1.00E+00	1
1.00E+00	0.57
1.00E+00	0.93

1.00E+00	0.96
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.83
1.00E+00	0.62

1.00E+00	0.78
1.00E+00	0.51
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.88
1.00E+00	0.8

1.00E+00	0.85
1.00E+00	0.98

1.00E+00	0.51
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1.00E+00	0.92
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1.00E+00	0.53
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1.00E+00	0.91
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1.00E+00	0.88
1.00E+00	0.86
1.00E+00	0.74
1.00E+00	0.94
1.00E+00	0.73
1.00E+00	1

1.00E+00	0.9
1.00E+00	0.68

1.00E+00	0.81
1.00E+00	0.81
1.00E+00	1
1.00E+00	0.88
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.81
1.00E+00	0.94

1.00E+00	0.96
1.00E+00	1
1.00E+00	0.68
1.00E+00	1
1.00E+00	0.55
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.87
1.00E+00	1
1.00E+00	0.96

1.00E+00	0.71
1.00E+00	0.95
1.00E+00	0.87
1.00E+00	0.88
1.00E+00	0.88
1.00E+00	1
1.00E+00	0.78
1.00E+00	0.71

1.00E+00	0.93
1.00E+00	0.58

1.00E+00	0.79
1.00E+00	0.71
1.00E+00	0.75
1.00E+00	0.83
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.79

1.00E+00	0.75
1.00E+00	0.86
1.00E+00	1
1.00E+00	0.96
1.00E+00	0.93
1.00E+00	0.54
1.00E+00	0.79
1.00E+00	1

1.00E+00	0.63
1.00E+00	1
1.00E+00	0.51
1.00E+00	0.76
1.00E+00	0.6
1.00E+00	0.93
1.00E+00	0.8
1.00E+00	0.6
1.00E+00	0.65

1.00E+00	0.92
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1.00E+00	0.61
1.00E+00	0.91
1.00E+00	0.91
1.00E+00	0.63
1.00E+00	0.79
1.00E+00	0.72
1.00E+00	0.86
1.00E+00	0.87
1.00E+00	0.65
1.00E+00	0.95
1.00E+00	0.83
1.00E+00	1
1.00E+00	0.56
1.00E+00	0.64
1.00E+00	0.77
1.00E+00	0.75

1.00E+00	1
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1.00E+00	0.89
1.00E+00	0.93
1.00E+00	0.89

1.00E+00	0.89
1.00E+00	0.86
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.92
1.00E+00	0.67
1.00E+00	0.79
1.00E+00	0.97
1.00E+00	0.67
1.00E+00	0.92
1.00E+00	0.75
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.96
1.00E+00	0.9
1.00E+00	0.84
1.00E+00	0.9
1.00E+00	0.81
1.00E+00	0.47
1.00E+00	0.7
1.00E+00	0.91
1.00E+00	0.74
1.00E+00	0.87
1.00E+00	0.89
1.00E+00	0.74
1.00E+00	0.96
1.00E+00	1
1.00E+00	0.8
1.00E+00	0.77
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.58
1.00E+00	0.93
1.00E+00	0.93
1.00E+00	0.76
1.00E+00	0.59
1.00E+00	0.87
1.00E+00	0.92
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.74

1.00E+00	0.84
1.00E+00	0.84
1.00E+00	0.83
1.00E+00	1
1.00E+00	0.72
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.97
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.9
1.00E+00	0.84
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.81
1.00E+00	1
1.00E+00	0.84
1.00E+00	0.97
1.00E+00	0.74
1.00E+00	0.9

1.00E+00	0.73
1.00E+00	0.94
1.00E+00	1
1.00E+00	1

1.00E+00	0.93
1.00E+00	1
1.00E+00	0.79
1.00E+00	1
1.00E+00	0.84
1.00E+00	1
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.64
1.00E+00	1

1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.82

1.00E+00	1
1.00E+00	0.85
1.00E+00	0.9
1.00E+00	0.95
1.00E+00	0.81
1.00E+00	0.92
1.00E+00	0.95
1.00E+00	0.9
1.00E+00	0.87
1.00E+00	0.92
1.00E+00	0.69

1.00E+00	0.76
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.93
1.00E+00	0.97
1.00E+00	0.61
1.00E+00	0.93
1.00E+00	0.54
1.00E+00	0.81
1.00E+00	0.68
1.00E+00	0.81
1.00E+00	0.81

1.00E+00	0.8
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1.00E+00	0.51
1.00E+00	0.93
1.00E+00	0.9
1.00E+00	0.91

1.00E+00	0.8
1.00E+00	0.95
1.00E+00	0.93
1.00E+00	0.69
1.00E+00	0.9

1.00E+00	0.84
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1.00E+00	0.97
1.00E+00	0.97
1.00E+00	1
1.00E+00	1

1.00E+00	0.68
1.00E+00	0.76
1.00E+00	0.94

1.00E+00	0.79
1.00E+00	0.95
1.00E+00	0.78
1.00E+00	1
1.00E+00	1
1.00E+00	0.86
1.00E+00	0.92
1.00E+00	1
1.00E+00	0.74
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.95
1.00E+00	0.8
1.00E+00	0.7
1.00E+00	0.81
1.00E+00	0.71
1.00E+00	0.66

1.00E+00	0.85
1.00E+00	0.89
1.00E+00	0.92
1.00E+00	0.97
1.00E+00	0.84

1.00E+00	0.84
1.00E+00	0.79

1.00E+00	0.94
1.00E+00	0.8
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.63
1.00E+00	0.86
1.00E+00	0.54

1.00E+00	1
1.00E+00	0.89
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.57
1.00E+00	0.89
1.00E+00	0.93
1.00E+00	0.85
1.00E+00	0.93
1.00E+00	0.85
1.00E+00	1
1.00E+00	0.88
1.00E+00	0.73
1.00E+00	0.98
1.00E+00	0.8
1.00E+00	0.94
1.00E+00	0.69
1.00E+00	0.54
1.00E+00	0.54
1.00E+00	0.72
1.00E+00	0.76
1.00E+00	0.9
1.00E+00	0.84
1.00E+00	0.92
1.00E+00	0.9
1.00E+00	0.94
1.00E+00	0.72
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.93
1.00E+00	0.63
1.00E+00	0.79
1.00E+00	0.73
1.00E+00	1
1.00E+00	0.48
1.00E+00	0.83
1.00E+00	0.92
1.00E+00	0.93
1.00E+00	0.94
1.00E+00	0.86
1.00E+00	0.74
1.00E+00	0.58
1.00E+00	1
1.00E+00	0.91

1.00E+00	0.93
1.00E+00	0.76
1.00E+00	1
1.00E+00	0.88
1.00E+00	0.48
1.00E+00	0.84
1.00E+00	0.9
1.00E+00	0.86
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.87
1.00E+00	0.73
1.00E+00	0.83
1.00E+00	0.67
1.00E+00	0.95
1.00E+00	0.79
1.00E+00	0.95
1.00E+00	1
1.00E+00	1
1.00E+00	0.68

1.00E+00	0.83
1.00E+00	1
1.00E+00	1
1.00E+00	0.71
1.00E+00	0.76
1.00E+00	0.91
1.00E+00	0.79
1.00E+00	1

1.00E+00	0.75
1.00E+00	0.67
1.00E+00	0.61
1.00E+00	0.9
1.00E+00	0.93
1.00E+00	0.92
1.00E+00	0.71
1.00E+00	1
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.82

1.00E+00	0.96
1.00E+00	0.94
1.00E+00	0.87
1.00E+00	0.75

1.00E+00	1
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1.00E+00	0.85
1.00E+00	0.69

1.00E+00	0.95
1.00E+00	0.6
1.00E+00	0.58
1.00E+00	0.77
1.00E+00	0.91
1.00E+00	1
1.00E+00	1
1.00E+00	1

1.00E+00	1
1.00E+00	1
1.00E+00	0.81
1.00E+00	0.66
1.00E+00	1

1.00E+00	0.56
1.00E+00	0.73
1.00E+00	0.96
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.84
1.00E+00	0.81
1.00E+00	0.75

1.00E+00	0.73
1.00E+00	0.62

1.00E+00	0.72
1.00E+00	1
1.00E+00	0.52
1.00E+00	0.79
1.00E+00	0.78
1.00E+00	0.87
1.00E+00	0.71
1.00E+00	0.64
1.00E+00	0.97
1.00E+00	0.98
1.00E+00	0.88
1.00E+00	0.94
1.00E+00	0.93
1.00E+00	0.88
1.00E+00	0.59
1.00E+00	0.96
1.00E+00	0.79
1.00E+00	0.66

1.00E+00	0.41
1.00E+00	1
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.96
1.00E+00	0.59
1.00E+00	0.81
1.00E+00	0.94
1.00E+00	0.55
1.00E+00	0.79
1.00E+00	1
1.00E+00	1
1.00E+00	0.57
1.00E+00	0.71
1.00E+00	0.8
1.00E+00	0.74
1.00E+00	1
1.00E+00	0.79
1.00E+00	0.82
1.00E+00	0.67
1.00E+00	0.92
1.00E+00	0.58
1.00E+00	0.76
1.00E+00	1
1.00E+00	0.87
1.00E+00	0.96
1.00E+00	0.85
1.00E+00	0.87
1.00E+00	0.46
1.00E+00	0.52
1.00E+00	0.96
1.00E+00	0.9
1.00E+00	0.89
1.00E+00	0.89
1.00E+00	0.89
1.00E+00	0.67
1.00E+00	0.75
1.00E+00	0
1.00E+00	0.71
1.00E+00	1
1.00E+00	1
1.00E+00	0.85
1.00E+00	0.74

1.00E+00	0.8
1.00E+00	0.78
1.00E+00	1
1.00E+00	0.88
1.00E+00	0.89
1.00E+00	0.9
1.00E+00	0.72
1.00E+00	0.94
1.00E+00	0.85
1.00E+00	0.88
1.00E+00	0.53
1.00E+00	0.79
1.00E+00	0.88
1.00E+00	0.79
1.00E+00	0.86
1.00E+00	0.68
1.00E+00	0.73
1.00E+00	0.87
1.00E+00	0.77
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1.00E+00	0.83
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1.00E+00	0.83
1.00E+00	0.94
1.00E+00	0.78
1.00E+00	0.93
1.00E+00	0.96
1.00E+00	1
1.00E+00	0.96
1.00E+00	0.93
1.00E+00	0.86
1.00E+00	0.92
1.00E+00	0.83
1.00E+00	1

1.00E+00	0.69
1.00E+00	0.75
1.00E+00	0.79
1.00E+00	0.57
1.00E+00	0.88
1.00E+00	0.88
1.00E+00	0.82
1.00E+00	0.83
1.00E+00	0.92
1.00E+00	0.64
1.00E+00	0.84
1.00E+00	1
1.00E+00	0.96
1.00E+00	0.89
1.00E+00	1
1.00E+00	0.92
1.00E+00	1
1.00E+00	0.62
1.00E+00	0.85
1.00E+00	0.7
1.00E+00	1
1.00E+00	0.78
1.00E+00	1
1.00E+00	0.82
1.00E+00	0.95
1.00E+00	0.65
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1.00E+00	0.83
1.00E+00	0.82
1.00E+00	0.89
1.00E+00	0.91
1.00E+00	0.91
1.00E+00	0.75
1.00E+00	0.69
1.00E+00	0.86
1.00E+00	0.88
1.00E+00	0.75
1.00E+00	0.93
1.00E+00	0.64
1.00E+00	0.94
1.00E+00	1
1.00E+00	1

1.00E+00	0.73
1.00E+00	0.78
1.00E+00	0.96

1.00E+00	0.93
1.00E+00	0.73

1.00E+00	0.94
1.00E+00	0.84
1.00E+00	1
1.00E+00	0.87
1.00E+00	0.56
1.00E+00	0.92
1.00E+00	0.89
1.00E+00	0.84
1.00E+00	0.89
1.00E+00	0.86
1.00E+00	1
1.00E+00	1

1.00E+00	0.66
1.00E+00	0.88
1.00E+00	0.85
1.00E+00	0.73
1.00E+00	1
1.00E+00	0.83
1.00E+00	0.94
1.00E+00	0.57
1.00E+00	0.97

1.00E+00	1
1.00E+00	0.97
1.00E+00	0.6
1.00E+00	1
1.00E+00	0.59
1.00E+00	0.95
1.00E+00	0.95
1.00E+00	0.76
1.00E+00	0.8
1.00E+00	0.66
1.00E+00	0.56
1.00E+00	0.97
1.00E+00	0.75
1.00E+00	0.49
1.00E+00	0.74
1.00E+00	0.93
1.00E+00	0.71
1.00E+00	0.63
1.00E+00	0.79
1.00E+00	0.91
1.00E+00	0.93
1.00E+00	0.92
1.00E+00	1
1.00E+00	0.85
1.00E+00	0.92
1.00E+00	0.7
1.00E+00	0.78
1.00E+00	0.83
1.00E+00	0.79
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.78
1.00E+00	0.78
1.00E+00	1
1.00E+00	0.87
1.00E+00	0.79
1.00E+00	0.86
1.00E+00	0.94
1.00E+00	0.83
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.91
1.00E+00	0.82
1.00E+00	0.79
1.00E+00	0.44

1.00E+00	0.53
1.00E+00	0.68
1.00E+00	0.91
1.00E+00	0.82
1.00E+00	0.91
1.00E+00	0.95
1.00E+00	0.91
1.00E+00	0.8
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.86
1.00E+00	1
1.00E+00	0.97
1.00E+00	0.8
1.00E+00	0.8
1.00E+00	0.95
1.00E+00	0.66
1.00E+00	0.62
1.00E+00	0.75
1.00E+00	0.75
1.00E+00	0.93
1.00E+00	0.79
1.00E+00	0.75
1.00E+00	0.82
1.00E+00	0.76
1.00E+00	1
1.00E+00	0.5
1.00E+00	1
1.00E+00	0.82
1.00E+00	0.98
1.00E+00	0.94
1.00E+00	0.9
1.00E+00	0.86
1.00E+00	0.82
1.00E+00	0.81
1.00E+00	0.94
1.00E+00	0.81
1.00E+00	0.84
1.00E+00	1
1.00E+00	0.86
1.00E+00	0.72
1.00E+00	0.97
1.00E+00	0.89
1.00E+00	0.82
1.00E+00	0.92
1.00E+00	0.92

1.00E+00	0.79
1.00E+00	0.96
1.00E+00	1

1.00E+00	0.87
1.00E+00	0.95
1.00E+00	0.85
1.00E+00	0.66
1.00E+00	0.58
1.00E+00	0.92
1.00E+00	0.93
1.00E+00	0.92

1.00E+00	1
1.00E+00	0.83
1.00E+00	0.94

1.00E+00	1
1.00E+00	0.91
1.00E+00	0.95
1.00E+00	0.89
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.78
1.00E+00	0.88

1.00E+00	0.92
1.00E+00	0.77
1.00E+00	0.86

1.00E+00	0.82
1.00E+00	0.95
1.00E+00	0.92
1.00E+00	0.8
1.00E+00	1

1.00E+00	0.84
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1.00E+00	0.84
1.00E+00	0.72
1.00E+00	0.92
1.00E+00	0.86
1.00E+00	1
1.00E+00	0.66
1.00E+00	0.76
1.00E+00	0.8
1.00E+00	0.9
1.00E+00	0.77
1.00E+00	0.81
1.00E+00	1
1.00E+00	0.89
1.00E+00	1
1.00E+00	1
1.00E+00	0.68
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.8
1.00E+00	0.47
1.00E+00	1
1.00E+00	0.75
1.00E+00	0.94
1.00E+00	0.85
1.00E+00	0.8
1.00E+00	0.93
1.00E+00	1
1.00E+00	0.55
1.00E+00	0.94

1.00E+00	0.82
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1.00E+00	1
1.00E+00	0.83
1.00E+00	0.6

1.00E+00	0.67
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.94
1.00E+00	0.94
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.84
1.00E+00	0.86
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1.00E+00	1
1.00E+00	0.94
1.00E+00	0.94

1.00E+00	1
1.00E+00	1

1.00E+00	1
1.00E+00	0.96

1.00E+00	1
1.00E+00	0.63
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1.00E+00	0.97
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1.00E+00	0.92
1.00E+00	0.95
1.00E+00	0.94
1.00E+00	1
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.99
1.00E+00	0.93
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.95
1.00E+00	1
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1.00E+00	0.62
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1.00E+00	0.63
1.00E+00	0.72
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.9
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1.00E+00	0.91
1.00E+00	0.91
1.00E+00	0.94
1.00E+00	0.7
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1.00E+00	0.74
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1.00E+00	0.92
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1.00E+00	0.95
1.00E+00	0.92
1.00E+00	0.8
1.00E+00	0.75
1.00E+00	1
1.00E+00	0.75
1.00E+00	0.85
1.00E+00	0.72
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1.00E+00	0.85
1.00E+00	1
1.00E+00	0.93
1.00E+00	1
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1.00E+00	0.7
1.00E+00	0.85

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1.00E+00	1
1.00E+00	0.97
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1.00E+00	0.57
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1.00E+00	0.93
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1.00E+00	0.92
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1.00E+00	0.87

1.00E+00	1
1.00E+00	0.72
1.00E+00	0.84
1.00E+00	0.71
1.00E+00	1
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.71
1.00E+00	0.88

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1.00E+00 0.93

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1.00E+00	0.89
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1.00E+00	0.84
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1.00E+00	0.94
1.00E+00	0.61
1.00E+00	1
1.00E+00	0.97
1.00E+00	0.9
1.00E+00	0.78
1.00E+00	1
1.00E+00	0.76

1.00E+00	0.93
1.00E+00	1
1.00E+00	0.96
1.00E+00	0.87
1.00E+00	0.55

1.00E+00	1
1.00E+00	0.69
1.00E+00	0.61
1.00E+00	0.87
1.00E+00	0.94
1.00E+00	0.68
1.00E+00	0.6
1.00E+00	0.72
1.00E+00	0.84
1.00E+00	0.58
1.00E+00	0.9
1.00E+00	0.83

1.00E+00	0.83
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1.00E+00	0.87
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1.00E+00	0.97
1.00E+00	0.8
1.00E+00	0.57
1.00E+00	0.84
1.00E+00	0.72
1.00E+00	1
1.00E+00	0.89
1.00E+00	0.88
1.00E+00	0.8
1.00E+00	1
1.00E+00	0.97
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.86
1.00E+00	0.84
1.00E+00	1
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.9
1.00E+00	0.88
1.00E+00	0.9
1.00E+00	0
1.00E+00	0.58
1.00E+00	0.94
1.00E+00	0.83
1.00E+00	1
1.00E+00	0.74
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.74
1.00E+00	0.94
1.00E+00	0.95
1.00E+00	0.71
1.00E+00	0.82
1.00E+00	0.93
1.00E+00	0.85
1.00E+00	0.55
1.00E+00	0.73
1.00E+00	0.81
1.00E+00	0.57
1.00E+00	0.47
1.00E+00	0.9
1.00E+00	0.8
1.00E+00	0.75
1.00E+00	0.76
1.00E+00	0.94

1.00E+00	0.72
1.00E+00	0.87
1.00E+00	0.95
1.00E+00	0.86
1.00E+00	0.85
1.00E+00	0.63
1.00E+00	0.92
1.00E+00	0.52

1.00E+00	0.97
1.00E+00	1
1.00E+00	0.97
1.00E+00	1
1.00E+00	1
1.00E+00	0.72
1.00E+00	0.95
1.00E+00	0.94
1.00E+00	0.71
1.00E+00	0.69
1.00E+00	0.88
1.00E+00	0.87
1.00E+00	0.89
1.00E+00	1
1.00E+00	0.97
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.78
1.00E+00	0.94
1.00E+00	0.96
1.00E+00	1
1.00E+00	0.86
1.00E+00	0.58
1.00E+00	0
1.00E+00	0.77
1.00E+00	0.98
1.00E+00	0.84
1.00E+00	0.78
1.00E+00	1
1.00E+00	0.79

1.00E+00	0.9
1.00E+00	1
1.00E+00	1

1.00E+00	0.88
1.00E+00	0.74
1.00E+00	0.9
1.00E+00	0.72

1.00E+00	0.74
1.00E+00	0.68
1.00E+00	0.63
1.00E+00	0.65
1.00E+00	0.96
1.00E+00	0.93
1.00E+00	0.83
1.00E+00	0.61
1.00E+00	0.8
1.00E+00	0.66
1.00E+00	1
1.00E+00	0.68
1.00E+00	0.97
1.00E+00	0.95

1.00E+00	0.75
1.00E+00	0.89
1.00E+00	0.93
1.00E+00	1
1.00E+00	0.83
1.00E+00	0.86
1.00E+00	0.66
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.83
1.00E+00	0.67
1.00E+00	0.95
1.00E+00	0.92
1.00E+00	0.82
1.00E+00	0.92
1.00E+00	0.97
1.00E+00	0.8
1.00E+00	0.77
1.00E+00	0.61
1.00E+00	0.92
1.00E+00	0.71
1.00E+00	0.71

1.00E+00	0.94
1.00E+00	0.94
1.00E+00	0.65
1.00E+00	0.48
1.00E+00	0.82

1.00E+00	0.91
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1.00E+00	0.77
1.00E+00	0.81
1.00E+00	1

1.00E+00	0.7
1.00E+00	0.59
1.00E+00	0.62
1.00E+00	0.78
1.00E+00	0.91
1.00E+00	0.45
1.00E+00	0.96
1.00E+00	0.71
1.00E+00	0.82
1.00E+00	0.5
1.00E+00	0.72
1.00E+00	0.68
1.00E+00	1
1.00E+00	0.38
1.00E+00	0.81
1.00E+00	0.93
1.00E+00	0.84

1.00E+00	0.75
1.00E+00	0.86
1.00E+00	0.89
1.00E+00	0.92
1.00E+00	1
1.00E+00	0.89

1.00E+00	0.93
1.00E+00	0.91
1.00E+00	0.65
1.00E+00	0.9
1.00E+00	0.96
1.00E+00	0.91
1.00E+00	0.71
1.00E+00	0.82
1.00E+00	0.78
1.00E+00	0.94
1.00E+00	0.83
1.00E+00	0.92
1.00E+00	0.78
1.00E+00	0.66
1.00E+00	0.87

1.00E+00	0.92
1.00E+00	0.91

1.00E+00 0.75

1.00E+00 0.65

1.00E+00 0.94

1.00E+00 0.91

1.00E+00 0.95

1.00E+00 1

1.00E+00 1

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1.00E+00 0.73

1.00E+00 0.94

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1.00E+00 0.46

1.00E+00 0.5

1.00E+00 0.94

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1.00E+00 1

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1.00E+00 1

1.00E+00 0.8

1.00E+00 0.83

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1.00E+00 0.75

1.00E+00 0.47

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1.00E+00 0.59

1.00E+00 0.96

1.00E+00 1

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1.00E+00 0.84

1.00E+00 1

1.00E+00	0.88
1.00E+00	0.74
1.00E+00	0.74
1.00E+00	0.84
1.00E+00	0.87
1.00E+00	0.9
1.00E+00	0.94
1.00E+00	0.82
1.00E+00	0.79
1.00E+00	0.84
1.00E+00	1
1.00E+00	0.64
1.00E+00	0.66
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.76
1.00E+00	0.8
1.00E+00	0.89
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.87
1.00E+00	0.75
1.00E+00	0.92
1.00E+00	0.95
1.00E+00	0.73
1.00E+00	0.89
1.00E+00	0.78
1.00E+00	0.65
1.00E+00	0.65
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.72
1.00E+00	1
1.00E+00	0.81
1.00E+00	0.68
1.00E+00	0.91
1.00E+00	0.96
1.00E+00	1
1.00E+00	0.94

1.00E+00	0.85
1.00E+00	0.66
1.00E+00	1
1.00E+00	0.87
1.00E+00	0.84
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.82
1.00E+00	0.95
1.00E+00	0.78
1.00E+00	0.91
1.00E+00	0.47
1.00E+00	0.68
1.00E+00	0.5
1.00E+00	0.61
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.89
1.00E+00	0.84
1.00E+00	0.82
1.00E+00	0.94
1.00E+00	0.6
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.98
1.00E+00	0.89
1.00E+00	0.93
1.00E+00	0.98
1.00E+00	1
1.00E+00	0.72
1.00E+00	0.93
1.00E+00	1
1.00E+00	0.84
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1.00E+00	0.91
1.00E+00	0.72
1.00E+00	0.7
1.00E+00	0.62

1.00E+00	0.86
1.00E+00	0.89
1.00E+00	0.65
1.00E+00	0.51
1.00E+00	0.64
1.00E+00	0.8
1.00E+00	1
1.00E+00	0.79
1.00E+00	0.85
1.00E+00	0.91
1.00E+00	0.79
1.00E+00	0.75
1.00E+00	0.92
1.00E+00	1
1.00E+00	0.78
1.00E+00	1
1.00E+00	1
1.00E+00	0.29
1.00E+00	0.73
1.00E+00	0.53
1.00E+00	0.5
1.00E+00	0.7
1.00E+00	0.66
1.00E+00	0.67
1.00E+00	0.67
1.00E+00	0.65
1.00E+00	0.94
1.00E+00	0.6
1.00E+00	0.67
1.00E+00	0.92
1.00E+00	0.85
1.00E+00	0.68
1.00E+00	0.85
1.00E+00	0.61
1.00E+00	0.9
1.00E+00	0.41
1.00E+00	0.68
1.00E+00	0.76
1.00E+00	1
1.00E+00	0.84
1.00E+00	0.91
1.00E+00	0.92

1.00E+00	0.82
1.00E+00	0.71
1.00E+00	0.52
1.00E+00	0.55
1.00E+00	0.93
1.00E+00	0.83
1.00E+00	0.62
1.00E+00	0.74
1.00E+00	1
1.00E+00	1
1.00E+00	0.93
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.55
1.00E+00	0.75
1.00E+00	0.82
1.00E+00	0.95
1.00E+00	0.74
1.00E+00	0.81
1.00E+00	0.84
1.00E+00	0.69
1.00E+00	0.95
1.00E+00	1
1.00E+00	1
1.00E+00	0.73
1.00E+00	0.57
1.00E+00	1
1.00E+00	0.77
1.00E+00	0.74
1.00E+00	0.91
1.00E+00	0.83
1.00E+00	0.79
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1.00E+00	0.79
1.00E+00	0.74
1.00E+00	0.91
1.00E+00	0.79
1.00E+00	0.78
1.00E+00	0.6

1.00E+00	0.92
1.00E+00	1

1.00E+00	0.44
1.00E+00	0.93
1.00E+00	0.74
1.00E+00	0.79
1.00E+00	0.74
1.00E+00	0.65
1.00E+00	0.82
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.86
1.00E+00	0.93
1.00E+00	0.63
1.00E+00	0.75
1.00E+00	0.93
1.00E+00	0.68
1.00E+00	0.68
1.00E+00	1
1.00E+00	0.85
1.00E+00	0.76
1.00E+00	0.9
1.00E+00	0.63
1.00E+00	0.96
1.00E+00	0.92
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.7
1.00E+00	0.58
1.00E+00	0.62
1.00E+00	1
1.00E+00	1
1.00E+00	0.74
1.00E+00	0.92
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.96
1.00E+00	0.81
1.00E+00	0.69

1.00E+00	0.76
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1.00E+00	0.77
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1.00E+00	0.66
1.00E+00	0.7
1.00E+00	0.92
1.00E+00	0.75
1.00E+00	0.87
1.00E+00	1
1.00E+00	0.87
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.74
1.00E+00	0.59
1.00E+00	1
1.00E+00	0.83
1.00E+00	1
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.8
1.00E+00	0.58
1.00E+00	0.88
1.00E+00	0.85
1.00E+00	0.47
1.00E+00	1
1.00E+00	1
1.00E+00	0.65
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.56
1.00E+00	1
1.00E+00	0.97
1.00E+00	0.94
1.00E+00	0.92
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1.00E+00	0.67
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1.00E+00	1
1.00E+00	0.9
1.00E+00	0.61
1.00E+00	0.92
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1.00E+00	1
1.00E+00	0.87
1.00E+00	0.87
1.00E+00	0.84
1.00E+00	0.87
1.00E+00	1

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1.00E+00	0.84
1.00E+00	0.66
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1.00E+00	0.9
1.00E+00	0.81
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1.00E+00	0.9
1.00E+00	1
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1.00E+00	0.94
1.00E+00	0.92
1.00E+00	0.93
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1.00E+00	0.87
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1.00E+00	0.82
1.00E+00	0.81
1.00E+00	0.82
1.00E+00	0.57
1.00E+00	1
1.00E+00	0.75
1.00E+00	0.77
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1.00E+00	0.45
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1.00E+00	0.75
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1.00E+00	0.67
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1.00E+00	0.63
1.00E+00	0.73

1.00E+00	0.84
1.00E+00	0.91
1.00E+00	0.75
1.00E+00	0.88
1.00E+00	0.89
1.00E+00	0.88
1.00E+00	0.88
1.00E+00	0.94
1.00E+00	0.92
1.00E+00	0.77
1.00E+00	0.94
1.00E+00	0.93

1.00E+00	0.96
1.00E+00	1
1.00E+00	1
1.00E+00	0.61

1.00E+00	0.79
1.00E+00	0.96
1.00E+00	0.97
1.00E+00	0.83
1.00E+00	0.93
1.00E+00	0.97
1.00E+00	0.93
1.00E+00	0.83
1.00E+00	0.97
1.00E+00	0.86
1.00E+00	0.84
1.00E+00	0.87
1.00E+00	0.82
1.00E+00	0.88
1.00E+00	0.88
1.00E+00	0.8
1.00E+00	0.51
1.00E+00	0.83
1.00E+00	0.83

1.00E+00	0.96
1.00E+00	0.8
1.00E+00	0.84
1.00E+00	0.65
1.00E+00	0.9
1.00E+00	0.91

1.00E+00	0.61
1.00E+00	0.6
1.00E+00	0.97

1.00E+00	1
1.00E+00	0.96
1.00E+00	0.96
1.00E+00	0.92

1.00E+00	0.8
1.00E+00	0.91
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.79
1.00E+00	0.9
1.00E+00	0.96
1.00E+00	0.68
1.00E+00	0.84
1.00E+00	0.66
1.00E+00	1
1.00E+00	0.83
1.00E+00	0.93
1.00E+00	0.78
1.00E+00	0.59
1.00E+00	0.96

1.00E+00	0.94
1.00E+00	0.96
1.00E+00	0.96
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.78
1.00E+00	1
1.00E+00	0.97
1.00E+00	0.93
1.00E+00	0.88
1.00E+00	1
1.00E+00	0.86
1.00E+00	0.81
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.63
1.00E+00	0.66
1.00E+00	0.91
1.00E+00	1
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.96
1.00E+00	0.96
1.00E+00	0.73
1.00E+00	0.97
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.9
1.00E+00	1

1.00E+00	0.73
1.00E+00	1

1.00E+00	0.89
1.00E+00	0.8
1.00E+00	0.79
1.00E+00	0.78
1.00E+00	0.91
1.00E+00	0.73
1.00E+00	0.93
1.00E+00	0.92
1.00E+00	0.83
1.00E+00	0.95
1.00E+00	0.91
1.00E+00	0.92
1.00E+00	0.87
1.00E+00	0.61
1.00E+00	0.87
1.00E+00	0.75
1.00E+00	0.89
1.00E+00	0.89
1.00E+00	0.84
1.00E+00	0.79
1.00E+00	0.79
1.00E+00	0.86
1.00E+00	0.93
1.00E+00	0.5
1.00E+00	0.69
1.00E+00	0.85

1.00E+00	0.92
1.00E+00	0.82
1.00E+00	0.89
1.00E+00	0.9
1.00E+00	0.9
1.00E+00	0.89
1.00E+00	0.83
1.00E+00	0.9
1.00E+00	0.43
1.00E+00	0.9
1.00E+00	0.78
1.00E+00	0.62
1.00E+00	0.58
1.00E+00	0.79
1.00E+00	0.86
1.00E+00	0.78
1.00E+00	0.52

1.00E+00	0.91
1.00E+00	0.93
1.00E+00	0.95
1.00E+00	0.87
1.00E+00	0.9
1.00E+00	0.87
1.00E+00	0.91
1.00E+00	0.9
1.00E+00	0.94
1.00E+00	0.94
1.00E+00	0.68
1.00E+00	0.58
1.00E+00	0.64
1.00E+00	0.83
1.00E+00	0.93
1.00E+00	0.93
1.00E+00	0.9
1.00E+00	0.83
1.00E+00	0.93
1.00E+00	0.84
1.00E+00	0.75
1.00E+00	0.83
1.00E+00	0.8
1.00E+00	0.66
1.00E+00	0.69
1.00E+00	0.78
1.00E+00	0.74
1.00E+00	0.79
1.00E+00	0.88
1.00E+00	0.77
1.00E+00	0.92
1.00E+00	0.71
1.00E+00	0.95
1.00E+00	0.95
1.00E+00	0.94
1.00E+00	0.51
1.00E+00	0.78
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.81
1.00E+00	0.85
1.00E+00	0.84
1.00E+00	0.89
1.00E+00	1
1.00E+00	0.73
1.00E+00	0.86
1.00E+00	0.47
1.00E+00	1
1.00E+00	0.94

1.00E+00	1
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.78
1.00E+00	0.93
1.00E+00	0.93
1.00E+00	0.79
1.00E+00	0.84

1.00E+00	0.9
1.00E+00	0.47
1.00E+00	0.96
1.00E+00	0.9
1.00E+00	0.62
1.00E+00	0.63
1.00E+00	0.85
1.00E+00	0.82
1.00E+00	0.72
1.00E+00	0.75
1.00E+00	0.78
1.00E+00	0.86
1.00E+00	0.75

1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.51
1.00E+00	0.92
1.00E+00	1
1.00E+00	0.85
1.00E+00	0.94
1.00E+00	0.94
1.00E+00	0.95

1.00E+00	0.57
1.00E+00	0.53
1.00E+00	0.9
1.00E+00	0.69
1.00E+00	0.61

1.00E+00	0.61
1.00E+00	0.55
1.00E+00	0.85

1.00E+00	0.56
1.00E+00	0.93

1.00E+00	0.74
1.00E+00	0.55
1.00E+00	0.9
1.00E+00	0.65
1.00E+00	0.38
1.00E+00	0.78
1.00E+00	0.6

1.00E+00	0.88
1.00E+00	0.79
1.00E+00	0.92
1.00E+00	0.87
1.00E+00	0.9

1.00E+00	0.79
1.00E+00	0.89
1.00E+00	0.45
1.00E+00	0.81
1.00E+00	0.89
1.00E+00	0.54
1.00E+00	0.5
1.00E+00	1

1.00E+00	0.95
1.00E+00	0.85
1.00E+00	0.88
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.68
1.00E+00	0.95
1.00E+00	0.78
1.00E+00	1
1.00E+00	0.57
1.00E+00	1
1.00E+00	1

1.00E+00	0.78
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1.00E+00	0.9
1.00E+00	0.86
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1.00E+00	0.82
1.00E+00	0.95
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.65
1.00E+00	0.84
1.00E+00	0.71

1.00E+00	0.65
1.00E+00	0.8
1.00E+00	0.66
1.00E+00	0.92
1.00E+00	0.92
1.00E+00	0.93
1.00E+00	0.95
1.00E+00	0.92
1.00E+00	0.8
1.00E+00	0.75
1.00E+00	1
1.00E+00	0.75
1.00E+00	0.85
1.00E+00	0.72
1.00E+00	0.76
1.00E+00	0.93
1.00E+00	0.98
1.00E+00	0.96
1.00E+00	0.93
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1.00E+00	0.92
1.00E+00	0.81
1.00E+00	0.84
1.00E+00	0.53
1.00E+00	0.94

1.00E+00	1
1.00E+00	0.92
1.00E+00	1
1.00E+00	1
1.00E+00	0.56
1.00E+00	0.92
1.00E+00	0.94
1.00E+00	0.86
1.00E+00	0.74
1.00E+00	0.94
1.00E+00	0.84
1.00E+00	0.82
1.00E+00	0.93
1.00E+00	0.62
1.00E+00	0.88
1.00E+00	0.71
1.00E+00	1
1.00E+00	0.76
1.00E+00	0.68
1.00E+00	0.62
1.00E+00	0.81
1.00E+00	0.85
1.00E+00	0.64
1.00E+00	0.76
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1.00E+00	0.96
1.00E+00	1
1.00E+00	1
1.00E+00	0.8
1.00E+00	0.88
1.00E+00	0.75
1.00E+00	0.83
1.00E+00	0.88
1.00E+00	0.85
1.00E+00	1
1.00E+00	1

1.00E+00	0.68
1.00E+00	0.71
1.00E+00	1
1.00E+00	0.69
1.00E+00	0.77
1.00E+00	1
1.00E+00	0.71
1.00E+00	0.74
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1.00E+00	1
1.00E+00	0.48
1.00E+00	0.52
1.00E+00	0.81
1.00E+00	0.89
1.00E+00	0.88

1.00E+00	0.68
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1.00E+00	0.96
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1.00E+00	1
1.00E+00	0.58
1.00E+00	0.69
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1.00E+00	0.81
1.00E+00	0.9
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1.00E+00	0.78
1.00E+00	0.96
1.00E+00	0.9
1.00E+00	0.81
1.00E+00	0.7

1.00E+00	0.71
1.00E+00	0.77
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.65

1.00E+00	0.49
1.00E+00	1
1.00E+00	0.89
1.00E+00	0.85
1.00E+00	0.64
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1.00E+00	0.72
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1.00E+00	1
1.00E+00	0.81
1.00E+00	1
1.00E+00	1
1.00E+00	0.76
1.00E+00	0.63
1.00E+00	0.74
1.00E+00	0.62
1.00E+00	1
1.00E+00	0.74
1.00E+00	0.74
1.00E+00	0.57
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1.00E+00	0.75
1.00E+00	0.59
1.00E+00	0.76
1.00E+00	0.8
1.00E+00	0.84
1.00E+00	0.46
1.00E+00	0.83
1.00E+00	0.83
1.00E+00	0.9
1.00E+00	0.9
1.00E+00	0.58
1.00E+00	0.87
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1.00E+00	0.89
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1.00E+00	0.68
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1.00E+00	0.88
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1.00E+00	0.89
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1.00E+00	0.81
1.00E+00	0
1.00E+00	0
1.00E+00	0.5
1.00E+00	0.46
1.00E+00	0.6
1.00E+00	0.9
1.00E+00	0.76
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1.00E+00 0.52

1.00E+00 0.87

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1.00E+00 0.73

1.00E+00 0.58

1.00E+00	0.8
1.00E+00	0.85
1.00E+00	0.81
1.00E+00	0.97
1.00E+00	0.86
1.00E+00	0.71
1.00E+00	0.72
1.00E+00	0.6
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.75
1.00E+00	0.75
1.00E+00	0.83
1.00E+00	0.61
1.00E+00	0.92
1.00E+00	0.66

1.00E+00	0.6
1.00E+00	0.54
1.00E+00	1
1.00E+00	0.87

1.00E+00	0.76
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1.00E+00	0.82
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1.00E+00	0.7
1.00E+00	0.75
1.00E+00	0.67
1.00E+00	0.86
1.00E+00	0.82

1.00E+00	0.89
1.00E+00	0.96
1.00E+00	0.95
1.00E+00	0.84
1.00E+00	1
1.00E+00	1
1.00E+00	0.98
1.00E+00	1
1.00E+00	0.89
1.00E+00	0.94
1.00E+00	0.63

1.00E+00	0.9
1.00E+00	0.83
1.00E+00	0.85
1.00E+00	0.93

1.00E+00	0.96
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.84
1.00E+00	0.86
1.00E+00	0.94
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.45
1.00E+00	0.93
1.00E+00	0.74
1.00E+00	0.5
1.00E+00	0.51

1.00E+00	0.64
1.00E+00	0.72

1.00E+00	0.7
1.00E+00	0.56
1.00E+00	0.93

1.00E+00	0.69
1.00E+00	0.82
1.00E+00	1
1.00E+00	0.93
1.00E+00	1
1.00E+00	1
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.88

1.00E+00	0.93
1.00E+00	0.64
1.00E+00	0.74
1.00E+00	0.66
1.00E+00	0.78

1.00E+00	0.81
1.00E+00	0.79
1.00E+00	0.61
1.00E+00	0.7
1.00E+00	0.91
1.00E+00	0.87
1.00E+00	0.78
1.00E+00	0.52

1.00E+00	0.51
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.93
1.00E+00	0.92
1.00E+00	0.91
1.00E+00	0.83
1.00E+00	0.78
1.00E+00	0.76
1.00E+00	0.89
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.96
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.69
1.00E+00	0.93
1.00E+00	0.84
1.00E+00	0.83
1.00E+00	0.8
1.00E+00	0.63
1.00E+00	0.96
1.00E+00	0.81
1.00E+00	0.81
1.00E+00	0.78
1.00E+00	0.73
1.00E+00	0.79
1.00E+00	0.81
1.00E+00	0.76
1.00E+00	1
1.00E+00	0.74
1.00E+00	0.67
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.89
1.00E+00	0.89
1.00E+00	0.95
1.00E+00	0.79
1.00E+00	0.92

1.00E+00	0.76
1.00E+00	0.81
1.00E+00	0.93
1.00E+00	0.83
1.00E+00	0.81
1.00E+00	0.95

1.00E+00	1
1.00E+00	0.85
1.00E+00	0.87
1.00E+00	0.87

1.00E+00	0.5
1.00E+00	0.45
1.00E+00	0.69
1.00E+00	0.96
1.00E+00	0.78
1.00E+00	0.86
1.00E+00	0.97
1.00E+00	1
1.00E+00	1

1.00E+00	0.88
1.00E+00	0.85

1.00E+00	0.73
1.00E+00	0.94

1.00E+00	0.68
1.00E+00	0.9
1.00E+00	0.77
1.00E+00	0.61
1.00E+00	0.93
1.00E+00	0.86
1.00E+00	0.84
1.00E+00	0.8
1.00E+00	1
1.00E+00	0.83
1.00E+00	0.91
1.00E+00	0.8

1.00E+00	0.9
1.00E+00	0.45
1.00E+00	0.9
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.94

1.00E+00	0.94
1.00E+00	0.76

1.00E+00	0.74
1.00E+00	0.62

1.00E+00	0.84
1.00E+00	0.96
1.00E+00	0.84
1.00E+00	0.97
1.00E+00	0.73
1.00E+00	0.8
1.00E+00	0.77
1.00E+00	0.54

1.00E+00	0.84
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1.00E+00	0.68
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1.00E+00	0.9
1.00E+00	0.79
1.00E+00	0.92
1.00E+00	0.93
1.00E+00	1
1.00E+00	0.97
1.00E+00	0.57
1.00E+00	1
1.00E+00	0.8
1.00E+00	0.58
1.00E+00	0.97
1.00E+00	0.81
1.00E+00	0.69
1.00E+00	0.67
1.00E+00	1
1.00E+00	0.88
1.00E+00	1

1.00E+00	1
1.00E+00	0.51
1.00E+00	0.77
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1.00E+00	0.79
1.00E+00	0.57
1.00E+00	0.88
1.00E+00	0.62
1.00E+00	0.78
1.00E+00	0.8
1.00E+00	1
1.00E+00	0.64
1.00E+00	0.49
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.71
1.00E+00	1
1.00E+00	0.58
1.00E+00	0.84
1.00E+00	0.92
1.00E+00	0.93
1.00E+00	0.85
1.00E+00	0.9
1.00E+00	0.91
1.00E+00	0.58
1.00E+00	1
1.00E+00	0.81
1.00E+00	0.91
1.00E+00	0.59
1.00E+00	0.67

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1.00E+00	0.72
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1.00E+00	0.91
1.00E+00	0.94
1.00E+00	0.81
1.00E+00	0.76
1.00E+00	0.52
1.00E+00	0.88
1.00E+00	0.88
1.00E+00	0.85

1.00E+00	1
1.00E+00	0.95
1.00E+00	0.87
1.00E+00	1
1.00E+00	0.93
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1.00E+00	0.7
1.00E+00	0.66
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1.00E+00	0.86
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1.00E+00	0.97
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1.00E+00	0.84
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1.00E+00	0.94
1.00E+00	0.89
1.00E+00	0.71
1.00E+00	0.85
1.00E+00	0.73
1.00E+00	0.8
1.00E+00	0.6
1.00E+00	0.87
1.00E+00	0.75
1.00E+00	0.63

1.00E+00	0.92
1.00E+00	0.9
1.00E+00	0.88
1.00E+00	0.92
1.00E+00	0.79
1.00E+00	1
1.00E+00	0.77
1.00E+00	0.67

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1.00E+00	0.94
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1.00E+00	0.82
1.00E+00	0.76
1.00E+00	0.9
1.00E+00	0.92
1.00E+00	0.72
1.00E+00	0.51
1.00E+00	0.85
1.00E+00	0.67
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1.00E+00	0.72
1.00E+00	0.76
1.00E+00	0.59
1.00E+00	0.89
1.00E+00	0.63
1.00E+00	1
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.69
1.00E+00	0.44
1.00E+00	0.98
1.00E+00	0.88
1.00E+00	0.75
1.00E+00	0.92
1.00E+00	0.54
1.00E+00	0.66
1.00E+00	0.56
1.00E+00	0.58
1.00E+00	0.62
1.00E+00	0.9
1.00E+00	0.91
1.00E+00	0.76
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1.00E+00	0.95
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1.00E+00	0.72
1.00E+00	0.78
1.00E+00	0.92
1.00E+00	0.67
1.00E+00	0.67
1.00E+00	1
1.00E+00	0.89
1.00E+00	0.84
1.00E+00	0.66

1.00E+00	0.87
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1.00E+00	0.86
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1.00E+00	0.75
1.00E+00	0.93
1.00E+00	0.68
1.00E+00	0.94
1.00E+00	0.81
1.00E+00	0.93
1.00E+00	0.94
1.00E+00	0.9
1.00E+00	0.75
1.00E+00	0.78

1.00E+00	0.66
1.00E+00	1
1.00E+00	0.55
1.00E+00	0.68

1.00E+00	1
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1.00E+00	0.74
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1.00E+00	0.68
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1.00E+00	0.58
1.00E+00	0.92
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1.00E+00	0.72
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1.00E+00	0.81
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1.00E+00	0.76

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1.00E+00	0.89
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.93
1.00E+00	0.93
1.00E+00	0.93
1.00E+00	0.94
1.00E+00	1
1.00E+00	1
1.00E+00	0.8
1.00E+00	0.91
1.00E+00	0.62
1.00E+00	0.92
1.00E+00	0.94
1.00E+00	0.94
1.00E+00	0.96
1.00E+00	0.92
1.00E+00	1
1.00E+00	0.73
1.00E+00	0.6
1.00E+00	1
1.00E+00	0.86
1.00E+00	0.86
1.00E+00	0.64
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.75
1.00E+00	0.7
1.00E+00	0.62
1.00E+00	0.8
1.00E+00	0.81
1.00E+00	0.59
1.00E+00	0.91
1.00E+00	0.97

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1.00E+00	0.67
1.00E+00	0.85
1.00E+00	0.66
1.00E+00	0.9
1.00E+00	0.83
1.00E+00	0.95
1.00E+00	0.47

1.00E+00	0.69
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.95

1.00E+00	0.95
1.00E+00	0.5
1.00E+00	0.79
1.00E+00	0.91
1.00E+00	0.85
1.00E+00	0.96
1.00E+00	0.94
1.00E+00	0.7
1.00E+00	0.88
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1.00E+00	0.74
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1.00E+00	0.88
1.00E+00	0.94
1.00E+00	0.74
1.00E+00	0.6
1.00E+00	0.75
1.00E+00	0.86
1.00E+00	0.66
1.00E+00	0.87

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1.00E+00	0.68
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1.00E+00	0.58
1.00E+00	0.89
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1.00E+00	0.95
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1.00E+00	1
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1.00E+00	0.71
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1.00E+00	0.73
1.00E+00	0.78
1.00E+00	0.81
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.95
1.00E+00	0.56
1.00E+00	0.77
1.00E+00	0.9
1.00E+00	0.97

1.00E+00	0.83
1.00E+00	0.62
1.00E+00	0.76
1.00E+00	1
1.00E+00	0.98
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1.00E+00	0.94
1.00E+00	0.66
1.00E+00	0.86
1.00E+00	1
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1.00E+00	0.72
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1.00E+00	1
1.00E+00	1
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1.00E+00	0.94
1.00E+00	0.77
1.00E+00	0.31
1.00E+00	0.73
1.00E+00	0.73
1.00E+00	0.89
1.00E+00	0.74
1.00E+00	0.76
1.00E+00	0.45
1.00E+00	0.67
1.00E+00	0.73
1.00E+00	0.65
1.00E+00	0.67
1.00E+00	0.61
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1.00E+00	0.73
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1.00E+00	0.86
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1.00E+00	1
1.00E+00	0.96
1.00E+00	0.73
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1.00E+00	0.86
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1.00E+00	1

1.00E+00	0.72
1.00E+00	0.84
1.00E+00	0.71
1.00E+00	1
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.71
1.00E+00	0.88

1.00E+00	0.85
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1.00E+00	0.63

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1.00E+00	0.74
1.00E+00	1

1.00E+00	0.75
1.00E+00	0.87
1.00E+00	0.92
1.00E+00	1

1.00E+00	1
1.00E+00	0.89
1.00E+00	1
1.00E+00	0.84
1.00E+00	0.75
1.00E+00	0.72
1.00E+00	0.71
1.00E+00	0.88
1.00E+00	0.8
1.00E+00	0.8

1.00E+00	0.72
1.00E+00	0.84
1.00E+00	0.71
1.00E+00	1
1.00E+00	0.9
1.00E+00	1

1.00E+00	0.71
1.00E+00	0.88
1.00E+00	0.85

1.00E+00	0.93
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1.00E+00	1
1.00E+00	0.89
1.00E+00	0.88
1.00E+00	0.91
1.00E+00	0.9
1.00E+00	0.83
1.00E+00	0.85
1.00E+00	0.83
1.00E+00	0.86
1.00E+00	1
1.00E+00	0.92
1.00E+00	1
1.00E+00	0.84
1.00E+00	1
1.00E+00	0.63

1.00E+00	0.85
1.00E+00	0.57
1.00E+00	0.91
1.00E+00	1
1.00E+00	1
1.00E+00	0.47
1.00E+00	0.65
1.00E+00	0.92
1.00E+00	0

1.00E+00	0.75
1.00E+00	0.87
1.00E+00	0.92
1.00E+00	1

1.00E+00	1
1.00E+00	0.89
1.00E+00	1
1.00E+00	0.84
1.00E+00	0.75
1.00E+00	0.72

1.00E+00	0.82
1.00E+00	0.71

1.00E+00	0.96
1.00E+00	0.56
1.00E+00	0.53
1.00E+00	0.92
1.00E+00	0.92
1.00E+00	0.96
1.00E+00	0.86
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.84
1.00E+00	0.77
1.00E+00	0.68
1.00E+00	0.91
1.00E+00	0.8
1.00E+00	0.96
1.00E+00	0.65

1.00E+00	0.96
1.00E+00	0.69
1.00E+00	0.85
1.00E+00	0.9
1.00E+00	0.86
1.00E+00	0.92
1.00E+00	0.88
1.00E+00	0.68
1.00E+00	0.78
1.00E+00	0.94
1.00E+00	0.99
1.00E+00	0.61
1.00E+00	0.95
1.00E+00	0.96
1.00E+00	0.95

1.00E+00	0.87
1.00E+00	0.7
1.00E+00	0.93
1.00E+00	0.95

1.00E+00	0.76
1.00E+00	0.92
1.00E+00	0.93
1.00E+00	1
1.00E+00	0.55
1.00E+00	1
1.00E+00	0.86
1.00E+00	0.93
1.00E+00	0.93
1.00E+00	0.87

1.00E+00	0.91
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1.00E+00	0.92
1.00E+00	1
1.00E+00	0.83
1.00E+00	0.8
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.71
1.00E+00	0.81
1.00E+00	0.84

1.00E+00	0.65
1.00E+00	0.64

1.00E+00	1
1.00E+00	0.86
1.00E+00	0.87
1.00E+00	0.52
1.00E+00	0.92
1.00E+00	0.61
1.00E+00	0.94
1.00E+00	0.9
1.00E+00	0.94
1.00E+00	0.89
1.00E+00	0.45
1.00E+00	0.84

1.00E+00	0.7
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1.00E+00	0.62
1.00E+00	0.91
1.00E+00	0.71
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.87
1.00E+00	0.81
1.00E+00	0.53
1.00E+00	0.8
1.00E+00	0.88
1.00E+00	1
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.9
1.00E+00	0.94
1.00E+00	0.87
1.00E+00	0.7
1.00E+00	0.91
1.00E+00	0.65
1.00E+00	0.96
1.00E+00	0.93
1.00E+00	0.85
1.00E+00	0.94
1.00E+00	0.91
1.00E+00	0.87
1.00E+00	0.83
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.52
1.00E+00	0.86
1.00E+00	0.92
1.00E+00	0.95
1.00E+00	0.85
1.00E+00	0.9
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.59
1.00E+00	0.67
1.00E+00	0.75
1.00E+00	0.7
1.00E+00	0.62
1.00E+00	0.9
1.00E+00	0.89
1.00E+00	0.92
1.00E+00	0.73
1.00E+00	0.93
1.00E+00	0.7

1.00E+00	0.71
1.00E+00	0.81
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.8

1.00E+00	0.81
1.00E+00	0.74
1.00E+00	0.86
1.00E+00	1
1.00E+00	1
1.00E+00	0.85
1.00E+00	0.96
1.00E+00	1

1.00E+00	0.77
1.00E+00	1
1.00E+00	0.61
1.00E+00	0.75
1.00E+00	0.82
1.00E+00	1
1.00E+00	0.76
1.00E+00	1
1.00E+00	1
1.00E+00	0.54
1.00E+00	0.8
1.00E+00	1
1.00E+00	0.79
1.00E+00	0.78
1.00E+00	0.7

1.00E+00	1
1.00E+00	0.97
1.00E+00	0.92
1.00E+00	0.98
1.00E+00	0.89
1.00E+00	0.97
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.89
1.00E+00	0.92

1.00E+00	0.92
1.00E+00	1
1.00E+00	0.85

1.00E+00	1
1.00E+00	1
1.00E+00	0.77
1.00E+00	0.92
1.00E+00	0.72
1.00E+00	0.96
1.00E+00	0.88
1.00E+00	0.82
1.00E+00	0.93
1.00E+00	0.93
1.00E+00	0.93
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.74
1.00E+00	0.77
1.00E+00	0.63
1.00E+00	0.85
1.00E+00	0.8
1.00E+00	1
1.00E+00	0.96
1.00E+00	0.89
1.00E+00	0.86
1.00E+00	0.84
1.00E+00	0.86
1.00E+00	1
1.00E+00	1
1.00E+00	0.75
1.00E+00	0.65
1.00E+00	0.95
1.00E+00	0.81
1.00E+00	0.82
1.00E+00	0.93
1.00E+00	0.94
1.00E+00	0.73
1.00E+00	0.8

1.00E+00	1
1.00E+00	0.83
1.00E+00	0.95

1.00E+00	0.56
1.00E+00	0.9
1.00E+00	0.79
1.00E+00	0.51
1.00E+00	0.85
1.00E+00	0.86
1.00E+00	1
1.00E+00	1
1.00E+00	0.88
1.00E+00	0.93
1.00E+00	0.94
1.00E+00	0.97
1.00E+00	0.94
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.86
1.00E+00	0.66
1.00E+00	0.76
1.00E+00	0.64
1.00E+00	0.5
1.00E+00	0.86
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.99
1.00E+00	0.77
1.00E+00	0.91
1.00E+00	0.92
1.00E+00	0.55

1.00E+00	0.72
1.00E+00	0.83
1.00E+00	0.75
1.00E+00	0.77
1.00E+00	0.9
1.00E+00	0.7
1.00E+00	0.55
1.00E+00	0.82
1.00E+00	0.92
1.00E+00	0.8
1.00E+00	0.74
1.00E+00	1

1.00E+00	0.85
1.00E+00	0.93
1.00E+00	1

1.00E+00	0.9
1.00E+00	0.89
1.00E+00	0.65
1.00E+00	0.72
1.00E+00	0.68

1.00E+00	0.66
1.00E+00	0.7
1.00E+00	0.79

1.00E+00	0.83
1.00E+00	0.88
1.00E+00	0.92
1.00E+00	1
1.00E+00	0.86

1.00E+00	1
1.00E+00	0.91
1.00E+00	0.88
1.00E+00	1

1.00E+00	1
1.00E+00	0.68
1.00E+00	0.93
1.00E+00	0.68
1.00E+00	0.67
1.00E+00	0.78
1.00E+00	0.9
1.00E+00	0.9
1.00E+00	0.82
1.00E+00	0.5
1.00E+00	1
1.00E+00	0.74

1.00E+00	1
1.00E+00	0

1.00E+00	0.82
1.00E+00	0.91
1.00E+00	0.87
1.00E+00	0.68
1.00E+00	0.9
1.00E+00	0.68
1.00E+00	0.78
1.00E+00	0.88
1.00E+00	0.8
1.00E+00	0.93
1.00E+00	0.77
1.00E+00	0.86
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.81
1.00E+00	0.78
1.00E+00	1
1.00E+00	0.69
1.00E+00	0.91
1.00E+00	0.96
1.00E+00	0.64
1.00E+00	0.82
1.00E+00	0.78
1.00E+00	0.97
1.00E+00	0.92
1.00E+00	0.92
1.00E+00	0.64
1.00E+00	0.92
1.00E+00	0.66
1.00E+00	0.95
1.00E+00	0.93
1.00E+00	0.6
1.00E+00	0.92
1.00E+00	0.45
1.00E+00	0.56
1.00E+00	0.62
1.00E+00	0.93
1.00E+00	0.69
1.00E+00	0.92
1.00E+00	1
1.00E+00	0.82
1.00E+00	0.73
1.00E+00	0.94
1.00E+00	0.89
1.00E+00	0.64
1.00E+00	0.93
1.00E+00	0.84
1.00E+00	0.94
1.00E+00	0.87
1.00E+00	0.93

1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.81
1.00E+00	0.8
1.00E+00	0.91
1.00E+00	0.71
1.00E+00	1
1.00E+00	0.97
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.95
1.00E+00	0.77
1.00E+00	0.9
1.00E+00	0.98
1.00E+00	0.9
1.00E+00	0.69
1.00E+00	1
1.00E+00	0.88
1.00E+00	0.89
1.00E+00	0.78
1.00E+00	1
1.00E+00	0.37
1.00E+00	0.92
1.00E+00	0.79
1.00E+00	0.86
1.00E+00	0.92
1.00E+00	0.61
1.00E+00	0.89
1.00E+00	0.83
1.00E+00	0.64
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.76
1.00E+00	1
1.00E+00	0.82
1.00E+00	1
1.00E+00	0.76
1.00E+00	0.95

1.00E+00	0.8
1.00E+00	0.96
1.00E+00	0.4
1.00E+00	0.72
1.00E+00	0.96
1.00E+00	0.53
1.00E+00	0.82
1.00E+00	0.93
1.00E+00	0.88
1.00E+00	0.58
1.00E+00	0.89
1.00E+00	0.94
1.00E+00	0.85
1.00E+00	1
1.00E+00	0.6
1.00E+00	0.6
1.00E+00	0.55
1.00E+00	1
1.00E+00	0
1.00E+00	0.88
1.00E+00	0.93
1.00E+00	0.83
1.00E+00	0.87
1.00E+00	0.92
1.00E+00	0.88
1.00E+00	0.89
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.46
1.00E+00	0.51
1.00E+00	0.88
1.00E+00	0.82
1.00E+00	0.82
1.00E+00	0.93
1.00E+00	0.79

1.00E+00 0.91

1.00E+00 0.71
1.00E+00 0.41
1.00E+00 0.62
1.00E+00 0.89
1.00E+00 1
1.00E+00 0.87
1.00E+00 1
1.00E+00 0.89
1.00E+00 0.84
1.00E+00 0.98

1.00E+00 0.75
1.00E+00 0.87
1.00E+00 0.92
1.00E+00 1

1.00E+00 0.93
1.00E+00 1
1.00E+00 0.95
1.00E+00 0.9
1.00E+00 0.86
1.00E+00 0.94
1.00E+00 0.61

1.00E+00 0.71
1.00E+00 0.41
1.00E+00 0.62
1.00E+00 1
1.00E+00 0.9
1.00E+00 0.89
1.00E+00 1
1.00E+00 0.94
1.00E+00 1
1.00E+00 0.75
1.00E+00 0.87
1.00E+00 0.92
1.00E+00 1

1.00E+00	0.93
1.00E+00	0.86
1.00E+00	0.94
1.00E+00	0.61

1.00E+00	0.77
1.00E+00	0.73
1.00E+00	0.77
1.00E+00	0.73
1.00E+00	1
1.00E+00	0.86
1.00E+00	1
1.00E+00	0.64
1.00E+00	1
1.00E+00	0.86
1.00E+00	0.84
1.00E+00	0.78
1.00E+00	1
1.00E+00	0.96
1.00E+00	0.56
1.00E+00	0.85
1.00E+00	0.97
1.00E+00	0.82
1.00E+00	0
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.78
1.00E+00	0.87
1.00E+00	0.74
1.00E+00	0.48
1.00E+00	0.65
1.00E+00	0.8
1.00E+00	1
1.00E+00	0.96
1.00E+00	0.66
1.00E+00	0.87
1.00E+00	1
1.00E+00	0.96
1.00E+00	0.93
1.00E+00	0.81
1.00E+00	0.85
1.00E+00	0.79

1.00E+00	0.96
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.95
1.00E+00	0.94

1.00E+00	0.84
1.00E+00	0.65
1.00E+00	0.9
1.00E+00	0.75
1.00E+00	0.95
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.71
1.00E+00	0.75
1.00E+00	0.88
1.00E+00	0.86

1.00E+00	0.89
1.00E+00	0.85
1.00E+00	0.78
1.00E+00	0.89
1.00E+00	0.97
1.00E+00	1
1.00E+00	0.71
1.00E+00	0.75

1.00E+00	0.8
1.00E+00	0.85
1.00E+00	1
1.00E+00	0.73
1.00E+00	0.87
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.77
1.00E+00	0.8
1.00E+00	0.8
1.00E+00	0.5

1.00E+00	0.95
1.00E+00	0.92
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.87
1.00E+00	0.97
1.00E+00	0.84
1.00E+00	0.95
1.00E+00	0.92

1.00E+00	0.74
1.00E+00	0.92
1.00E+00	0.9
1.00E+00	1
1.00E+00	1
1.00E+00	0.82
1.00E+00	0.92
1.00E+00	0.78
1.00E+00	0.82
1.00E+00	1
1.00E+00	1
1.00E+00	0.88
1.00E+00	0.56
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.96

1.00E+00	0.95
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1.00E+00	0.94
1.00E+00	0.87

1.00E+00	0.93
1.00E+00	0.96
1.00E+00	0.74
1.00E+00	0.92
1.00E+00	0.9
1.00E+00	1
1.00E+00	1
1.00E+00	0.82
1.00E+00	0.92
1.00E+00	0.78
1.00E+00	0.82
1.00E+00	1
1.00E+00	1
1.00E+00	0.88
1.00E+00	0.56
1.00E+00	1

1.00E+00	0.92
1.00E+00	0.96

1.00E+00	0.94
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1.00E+00 0.87

1.00E+00 0.58

1.00E+00 0.96

1.00E+00 0.75

1.00E+00 0.58

1.00E+00 0.65

1.00E+00 0.91

1.00E+00 0.96

1.00E+00 0.87

1.00E+00 0.57

1.00E+00 0.86

1.00E+00 0.77

1.00E+00 0.86

1.00E+00 0.8

1.00E+00 0.56

1.00E+00 0.94

1.00E+00 0.88

1.00E+00 0.88

1.00E+00 0.94

1.00E+00 0.74

1.00E+00 0.88

1.00E+00 0.72

1.00E+00 0.94

1.00E+00 0.68

1.00E+00 0.87

1.00E+00 0.83

1.00E+00 0.87

1.00E+00 0.66

1.00E+00 0.8

1.00E+00 0.89

1.00E+00 0.81

1.00E+00 0.57

1.00E+00 0.66

1.00E+00 0.61

1.00E+00 1

1.00E+00 0.96

1.00E+00 0.88

1.00E+00 0.75

1.00E+00 1

1.00E+00 1

1.00E+00 1

1.00E+00	0.89
1.00E+00	1
1.00E+00	1
1.00E+00	0.84
1.00E+00	1
1.00E+00	0.73
1.00E+00	1
1.00E+00	1
1.00E+00	0.89
1.00E+00	0.89
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.75
1.00E+00	0.86
1.00E+00	0.56
1.00E+00	0.62
1.00E+00	0.58
1.00E+00	0.88
1.00E+00	0.82
1.00E+00	0.76
1.00E+00	1
1.00E+00	0.76
1.00E+00	1
1.00E+00	1
1.00E+00	0.58
1.00E+00	0.75
1.00E+00	0.74
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.84
1.00E+00	0.62
1.00E+00	0.96
1.00E+00	1
1.00E+00	0.5
1.00E+00	1
1.00E+00	0.65
1.00E+00	0.84
1.00E+00	0.72
1.00E+00	0.66
1.00E+00	0.7
1.00E+00	0.8
1.00E+00	0.91

1.00E+00	0.93
1.00E+00	0.84
1.00E+00	0.86
1.00E+00	0.52
1.00E+00	0.49
1.00E+00	0.53

1.00E+00	0.46
1.00E+00	0.77
1.00E+00	1

1.00E+00	0.96
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1.00E+00	0.91
1.00E+00	1
1.00E+00	0.97
1.00E+00	0.6
1.00E+00	1

1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.84
1.00E+00	0.75
1.00E+00	0.13
1.00E+00	0.58
1.00E+00	0.75

1.00E+00	1
1.00E+00	0.94
1.00E+00	0.69
1.00E+00	0.84

1.00E+00	0.94
1.00E+00	0.68
1.00E+00	1

1.00E+00	1
1.00E+00	0.92
1.00E+00	0.82
1.00E+00	0.91
1.00E+00	0.62
1.00E+00	0.68
1.00E+00	0.78
1.00E+00	0.9
1.00E+00	0.84
1.00E+00	0.91

1.00E+00	0.73
1.00E+00	0.84
1.00E+00	0.6
1.00E+00	0.95
1.00E+00	0.92
1.00E+00	0.86
1.00E+00	0.92
1.00E+00	0.93
1.00E+00	0.87
1.00E+00	0.78
1.00E+00	0.84
1.00E+00	0.53
1.00E+00	0.68
1.00E+00	0.9
1.00E+00	0.98
1.00E+00	0.97
1.00E+00	0.79
1.00E+00	0.95
1.00E+00	0.94
1.00E+00	0.91
1.00E+00	0.96
1.00E+00	0.74
1.00E+00	0.64
1.00E+00	0.94
1.00E+00	0.84
1.00E+00	0.89
1.00E+00	0.67
1.00E+00	0.93
1.00E+00	0.8
1.00E+00	1
1.00E+00	1
1.00E+00	0.61
1.00E+00	0.8
1.00E+00	0.93
1.00E+00	1

1.00E+00	0.92
1.00E+00	0.74
1.00E+00	0.96
1.00E+00	0.94
1.00E+00	0.91
1.00E+00	0.91
1.00E+00	0.39
1.00E+00	0.56
1.00E+00	0.95
1.00E+00	0.78
1.00E+00	0.83
1.00E+00	0.9
1.00E+00	0.88
1.00E+00	0.83
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.85
1.00E+00	0.85
1.00E+00	0.95
1.00E+00	0.89

1.00E+00	0.7
1.00E+00	0.81
1.00E+00	0.92
1.00E+00	0.64
1.00E+00	0.7
1.00E+00	0.85
1.00E+00	0.94
1.00E+00	0.89
1.00E+00	0.92
1.00E+00	0.93
1.00E+00	0.75
1.00E+00	0.92
1.00E+00	0.69
1.00E+00	0.93
1.00E+00	1
1.00E+00	0.87
1.00E+00	0.88
1.00E+00	0.79
1.00E+00	0.89
1.00E+00	0.93
1.00E+00	0.72
1.00E+00	1
1.00E+00	0.81
1.00E+00	0.92
1.00E+00	0.75
1.00E+00	0.72
1.00E+00	0.74
1.00E+00	0.85
1.00E+00	0.66
1.00E+00	0.6
1.00E+00	0.86
1.00E+00	0.66
1.00E+00	0.94
1.00E+00	1
1.00E+00	1
1.00E+00	0.57
1.00E+00	0.87
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.73
1.00E+00	0.58
1.00E+00	0.53
1.00E+00	0.75

1.00E+00	0.93
1.00E+00	0.88
1.00E+00	0.7
1.00E+00	0.72
1.00E+00	0.86
1.00E+00	0.91
1.00E+00	0.79
1.00E+00	0.69
1.00E+00	0.75
1.00E+00	0.87
1.00E+00	0.94

1.00E+00	0.55
1.00E+00	0.75
1.00E+00	0.48

1.00E+00	0.98
1.00E+00	0.83
1.00E+00	0.83
1.00E+00	0.84
1.00E+00	0.93
1.00E+00	0.9
1.00E+00	0.9
1.00E+00	0.85
1.00E+00	0.84
1.00E+00	0.77
1.00E+00	0.88
1.00E+00	1
1.00E+00	1
1.00E+00	0.82
1.00E+00	0.89
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.86
1.00E+00	0.96
1.00E+00	0.97
1.00E+00	0.96
1.00E+00	0.97

1.00E+00	0.87
1.00E+00	0.95
1.00E+00	0.87
1.00E+00	0.98
1.00E+00	0.92
1.00E+00	0.72
1.00E+00	0.93
1.00E+00	0.77

1.00E+00	0.95
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.91
1.00E+00	0.97
1.00E+00	0.79
1.00E+00	0.92
1.00E+00	1
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.94
1.00E+00	0.83
1.00E+00	0.87
1.00E+00	0.84
1.00E+00	0.92
1.00E+00	0.89
1.00E+00	0.7
1.00E+00	0.81
1.00E+00	0.92
1.00E+00	0.64
1.00E+00	0.7
1.00E+00	0.85
1.00E+00	0.94
1.00E+00	0.89
1.00E+00	0.92
1.00E+00	0.93
1.00E+00	0.75
1.00E+00	0.92

1.00E+00	0.93
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.78
1.00E+00	0.74
1.00E+00	0.85
1.00E+00	0.66
1.00E+00	0.77
1.00E+00	0.78
1.00E+00	0.65
1.00E+00	0.6
1.00E+00	0.86
1.00E+00	0.66
1.00E+00	0.94
1.00E+00	1
1.00E+00	1
1.00E+00	0.57
1.00E+00	0.87
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.73
1.00E+00	0.58
1.00E+00	0.53
1.00E+00	0.67
1.00E+00	0.84
1.00E+00	0.75
1.00E+00	0.75
1.00E+00	0.93
1.00E+00	0.88
1.00E+00	0.7
1.00E+00	0.72
1.00E+00	0.86
1.00E+00	0.91
1.00E+00	0.79
1.00E+00	0.69
1.00E+00	0.75
1.00E+00	0.87
1.00E+00	0.94
1.00E+00	0.76
1.00E+00	0
1.00E+00	1
1.00E+00	1
1.00E+00	0.63
1.00E+00	0.58
1.00E+00	1

1.00E+00	0.87
1.00E+00	0.6
1.00E+00	0.88
1.00E+00	0.97
1.00E+00	0.85
1.00E+00	0.93
1.00E+00	0.57
1.00E+00	0.96

1.00E+00	0.89
1.00E+00	0.66
1.00E+00	0.66

1.00E+00	0.68
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.83
1.00E+00	0.74
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.89
1.00E+00	0.9
1.00E+00	0.93
1.00E+00	0.69
1.00E+00	0.72
1.00E+00	0.82
1.00E+00	0.64
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1.00E+00	0.7
1.00E+00	0.65
1.00E+00	0.93
1.00E+00	0.92
1.00E+00	0.91
1.00E+00	0.89

1.00E+00	0.6
1.00E+00	1
1.00E+00	0.64

1.00E+00	0.81
1.00E+00	0.94
1.00E+00	0.95
1.00E+00	0.89
1.00E+00	0.98

1.00E+00	1
1.00E+00	0.99
1.00E+00	0.96

1.00E+00	1
1.00E+00	0.92

1.00E+00	0.91
1.00E+00	0.72
1.00E+00	0.73
1.00E+00	0.64
1.00E+00	0.73
1.00E+00	0.71

1.00E+00	0.93
1.00E+00	0.86
1.00E+00	0.69
1.00E+00	0.94
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.96
1.00E+00	0.81
1.00E+00	0.92
1.00E+00	0.93
1.00E+00	0.86
1.00E+00	1
1.00E+00	0.53
1.00E+00	0.48
1.00E+00	0.41
1.00E+00	0.79
1.00E+00	1
1.00E+00	0.93
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.91
1.00E+00	0.72
1.00E+00	0.89
1.00E+00	0.89
1.00E+00	0.84
1.00E+00	0.94
1.00E+00	0.95
1.00E+00	0.47
1.00E+00	0.81

1.00E+00	0.61
1.00E+00	0.93
1.00E+00	0.88
1.00E+00	0.94
1.00E+00	0.89
1.00E+00	1
1.00E+00	0.57
1.00E+00	0.78
1.00E+00	0.94
1.00E+00	0.86
1.00E+00	0.82
1.00E+00	0.82
1.00E+00	0.77
1.00E+00	0.67
1.00E+00	0.76
1.00E+00	0.6
1.00E+00	0.61
1.00E+00	0.84
1.00E+00	0.71
1.00E+00	0.93
1.00E+00	0.94
1.00E+00	0.85
1.00E+00	0.93
1.00E+00	0.63
1.00E+00	0.72
1.00E+00	0.74
1.00E+00	0.79
1.00E+00	1
1.00E+00	1
1.00E+00	0.82
1.00E+00	0.92
1.00E+00	0.95
1.00E+00	0.8
1.00E+00	1
1.00E+00	0.75
1.00E+00	0.78
1.00E+00	0.84
1.00E+00	0.94
1.00E+00	0.67
1.00E+00	0.89

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1.00E+00 0.74
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1.00E+00 0.8
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1.00E+00 0.98
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1.00E+00 0.88
1.00E+00 0.87
1.00E+00 1
1.00E+00 0.86
1.00E+00 0.57
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1.00E+00 1
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1.00E+00 0.93
1.00E+00 0.92
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1.00E+00 1
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1.00E+00 1
1.00E+00 0.83
1.00E+00 0.74
1.00E+00 0.64
1.00E+00 0.86
1.00E+00 1

1.00E+00	0.85
1.00E+00	0.97
1.00E+00	0.46
1.00E+00	0.87
1.00E+00	0.75
1.00E+00	0.95
1.00E+00	0.89
1.00E+00	0.77
1.00E+00	0.82
1.00E+00	0.86
1.00E+00	0.85
1.00E+00	0.98
1.00E+00	0.67
1.00E+00	0.97
1.00E+00	0.86

1.00E+00	0.87
1.00E+00	0.93
1.00E+00	0.78
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.96
1.00E+00	0.98
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.58
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.89
1.00E+00	0.92
1.00E+00	0.77
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.72
1.00E+00	1
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.59
1.00E+00	0.85
1.00E+00	0.68
1.00E+00	0.59
1.00E+00	1
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.86
1.00E+00	0.95
1.00E+00	0.89
1.00E+00	0.79

1.00E+00	0.91
1.00E+00	0.93
1.00E+00	0.7
1.00E+00	0.66
1.00E+00	0.88
1.00E+00	0.66
1.00E+00	0
1.00E+00	0.85
1.00E+00	0.75
1.00E+00	0.62
1.00E+00	0
1.00E+00	0.62
1.00E+00	0.69
1.00E+00	1

1.00E+00	0.71
1.00E+00	0.92
1.00E+00	0.94
1.00E+00	0.84

1.00E+00	0.63
1.00E+00	0.97
1.00E+00	1
1.00E+00	0.59
1.00E+00	0.66

1.00E+00	0.87
1.00E+00	1
1.00E+00	0
1.00E+00	0.96
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.62
1.00E+00	0.96

1.00E+00	0.84
1.00E+00	0.98

1.00E+00	0.97
1.00E+00	0.94
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1.00E+00	0.72
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1.00E+00	0.58
1.00E+00	0.56
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1.00E+00	0.64
1.00E+00	0.87
1.00E+00	0.8
1.00E+00	0.75
1.00E+00	0.86
1.00E+00	0.91
1.00E+00	0.69
1.00E+00	0.88
1.00E+00	0.69
1.00E+00	1
1.00E+00	0.62
1.00E+00	0.75
1.00E+00	0.58
1.00E+00	0.75
1.00E+00	0.77
1.00E+00	0.56
1.00E+00	0.69
1.00E+00	0.5
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1.00E+00	0.93
1.00E+00	0.95
1.00E+00	0.81
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1.00E+00	0.77
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1.00E+00	0.93
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1.00E+00	0.81
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1.00E+00	0.69
1.00E+00	0.63
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1.00E+00	0.93
1.00E+00	1

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1.00E+00	0.85
1.00E+00	0.79
1.00E+00	0.81

1.00E+00	0.87
1.00E+00	0.94
1.00E+00	0.96
1.00E+00	1
1.00E+00	1
1.00E+00	0.7
1.00E+00	0.91
1.00E+00	0.64

1.00E+00	0.75
1.00E+00	0.73
1.00E+00	0.82
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1.00E+00	0.64
1.00E+00	0
1.00E+00	0.69
1.00E+00	0.83
1.00E+00	0.96
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.98
1.00E+00	0.52
1.00E+00	0.96
1.00E+00	1
1.00E+00	1
1.00E+00	0.81

1.00E+00	0.78
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1.00E+00	0.91

1.00E+00	1
1.00E+00	0.61

1.00E+00	1
1.00E+00	0.53
1.00E+00	1
1.00E+00	0.67
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.62
1.00E+00	0.89
1.00E+00	0.84
1.00E+00	0.8
1.00E+00	0.72
1.00E+00	0.8
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1.00E+00	0.85
1.00E+00	0.94
1.00E+00	0.94
1.00E+00	0.86
1.00E+00	0.48
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1.00E+00	0.76
1.00E+00	0.5
1.00E+00	0.8
1.00E+00	0.91
1.00E+00	0.8
1.00E+00	0.67
1.00E+00	0.8

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1.00E+00	0.73
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1.00E+00	1

1.00E+00	0.97
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1.00E+00	0.85
1.00E+00	1
1.00E+00	1
1.00E+00	0.85

1.00E+00	0.95
1.00E+00	0.93
1.00E+00	0.95
1.00E+00	0.54
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1.00E+00	1
1.00E+00	0.84
1.00E+00	1
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1.00E+00	0.83
1.00E+00	1
1.00E+00	0.67
1.00E+00	0.47
1.00E+00	0.87
1.00E+00	0.89
1.00E+00	0.85
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1.00E+00	0.78
1.00E+00	0.53
1.00E+00	0.7
1.00E+00	0.86
1.00E+00	0.55
1.00E+00	0.46
1.00E+00	0.9
1.00E+00	0.57
1.00E+00	1
1.00E+00	0.56
1.00E+00	0.83
1.00E+00	0.9
1.00E+00	0.92
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1.00E+00	0.98
1.00E+00	1
1.00E+00	0.56
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1.00E+00	0.64
1.00E+00	0.88

1.00E+00	0.57
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1.00E+00	0.86
1.00E+00	0.57
1.00E+00	1
1.00E+00	0.97
1.00E+00	0.96
1.00E+00	1
1.00E+00	1
1.00E+00	0.93
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.91
1.00E+00	0.87
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1.00E+00	0.93
1.00E+00	0.8
1.00E+00	0.96
1.00E+00	0.96
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.95
1.00E+00	0.86
1.00E+00	0.87
1.00E+00	1
1.00E+00	0.82
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.9
1.00E+00	1
1.00E+00	1
1.00E+00	0.88
1.00E+00	0.7
1.00E+00	0.82
1.00E+00	0.85
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.29
1.00E+00	0.73
1.00E+00	0.53
1.00E+00	0.5
1.00E+00	0.7
1.00E+00	0.66
1.00E+00	0.67
1.00E+00	0.67
1.00E+00	0.65
1.00E+00	0.94
1.00E+00	0.6

1.00E+00	0.68
1.00E+00	0.85
1.00E+00	1
1.00E+00	0.96
1.00E+00	0.9
1.00E+00	0.85
1.00E+00	0.76
1.00E+00	0.68
1.00E+00	1
1.00E+00	0.85
1.00E+00	1
1.00E+00	0.6
1.00E+00	0.61
1.00E+00	0.7
1.00E+00	0.8
1.00E+00	0.74
1.00E+00	0.59
1.00E+00	0.58
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.85
1.00E+00	0.88
1.00E+00	0.75
1.00E+00	0.95
1.00E+00	0.89
1.00E+00	0.75
1.00E+00	0.77
1.00E+00	0.94
1.00E+00	0.87
1.00E+00	0.47
1.00E+00	0.62
1.00E+00	0.91
1.00E+00	0.79
1.00E+00	0.88
1.00E+00	0.75
1.00E+00	0.78
1.00E+00	0.8
1.00E+00	0.93
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.73
1.00E+00	0.94

1.00E+00	1
1.00E+00	0.93
1.00E+00	1
1.00E+00	0.76
1.00E+00	0.56
1.00E+00	0.77
1.00E+00	1
1.00E+00	0.88
1.00E+00	1
1.00E+00	0.88
1.00E+00	0.66

1.00E+00	0.96
1.00E+00	0.64
1.00E+00	0.87
1.00E+00	0.68
1.00E+00	0.81

1.00E+00	0.97
1.00E+00	0.81
1.00E+00	0.96
1.00E+00	1
1.00E+00	0.84
1.00E+00	0.64

1.00E+00	0.57
1.00E+00	0.82
1.00E+00	0.76
1.00E+00	0.8
1.00E+00	0.87
1.00E+00	1
1.00E+00	0
1.00E+00	0.76
1.00E+00	0.83
1.00E+00	0.94
1.00E+00	0.93
1.00E+00	1
1.00E+00	0.89
1.00E+00	0.9
1.00E+00	0.93
1.00E+00	0.72
1.00E+00	0
1.00E+00	0.92

1.00E+00	0.61
1.00E+00	0.85

1.00E+00	0.78
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1.00E+00	0.93
1.00E+00	0.92

1.00E+00	0.71
1.00E+00	1
1.00E+00	0

1.00E+00	0.83
1.00E+00	0.94
1.00E+00	0.8
1.00E+00	0.74
1.00E+00	0.81
1.00E+00	0.77
1.00E+00	0.69
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.73
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.86
1.00E+00	0.57
1.00E+00	1
1.00E+00	0.97

1.00E+00	0.79
1.00E+00	1
1.00E+00	0.8
1.00E+00	0.84
1.00E+00	1
1.00E+00	0.79
1.00E+00	0.92
1.00E+00	1
1.00E+00	0.93
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1.00E+00	0.79
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1.00E+00	0.92
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1.00E+00	1
1.00E+00	0.57
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1.00E+00	0.79
1.00E+00	0.94
1.00E+00	0.67
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1.00E+00	0.81
1.00E+00	0.74
1.00E+00	0.86
1.00E+00	0.56

1.00E+00	1
1.00E+00	0.87
1.00E+00	0.81

1.00E+00	0.78
1.00E+00	0.26
1.00E+00	0.79
1.00E+00	0.76
1.00E+00	1
1.00E+00	1
1.00E+00	0.67
1.00E+00	0.88
1.00E+00	0.81
1.00E+00	0.79
1.00E+00	0.88
1.00E+00	0.64
1.00E+00	0.85
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1.00E+00	0.87
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1.00E+00	0.54
1.00E+00	0.96
1.00E+00	0.88
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1.00E+00	0.87
1.00E+00	1
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1.00E+00	0.78
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1.00E+00	0.69
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1.00E+00	0.81
1.00E+00	0.92
1.00E+00	1
1.00E+00	0.95
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1.00E+00	0.92
1.00E+00	0.66
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1.00E+00	1
1.00E+00	1
1.00E+00	0.82
1.00E+00	0.9
1.00E+00	0
1.00E+00	0.75
1.00E+00	0.86
1.00E+00	0.45
1.00E+00	1
1.00E+00	0.54
1.00E+00	0.8
1.00E+00	0.96
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1.00E+00	1
1.00E+00	0.81
1.00E+00	0.49
1.00E+00	0.75
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1.00E+00	0.83
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1.00E+00	0.6
1.00E+00	0.92
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1.00E+00	0.59
1.00E+00	0.95

1.00E+00	0.92
1.00E+00	1
1.00E+00	0.74

1.00E+00	1
1.00E+00	0.56
1.00E+00	0.82
1.00E+00	1
1.00E+00	0.84
1.00E+00	0.51
1.00E+00	0.83
1.00E+00	0.95
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1.00E+00	0.85
1.00E+00	0.45
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1.00E+00	0.84
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1.00E+00	0.95
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1.00E+00	0.58
1.00E+00	1
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1.00E+00	0.93
1.00E+00	0.79
1.00E+00	0.81
1.00E+00	0.74
1.00E+00	0.52
1.00E+00	0.64
1.00E+00	0.64
1.00E+00	0.78
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1.00E+00	0.96
1.00E+00	0.52
1.00E+00	1
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1.00E+00	0.95
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1.00E+00	0.59
1.00E+00	0.62
1.00E+00	0.98
1.00E+00	1
1.00E+00	0.71
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1.00E+00	1
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1.00E+00	0.98
1.00E+00	0.87
1.00E+00	0.92
1.00E+00	0.88
1.00E+00	0.74
1.00E+00	0.85
1.00E+00	0.86
1.00E+00	0.67
1.00E+00	0.81
1.00E+00	0.77
1.00E+00	0.9

1.00E+00	0.93
1.00E+00	0.68
1.00E+00	0.68
1.00E+00	0.57
1.00E+00	1
1.00E+00	1

1.00E+00	0.9
1.00E+00	1
1.00E+00	0.78
1.00E+00	0.88
1.00E+00	0.93
1.00E+00	0.95
1.00E+00	0.94
1.00E+00	0.6
1.00E+00	0.66
1.00E+00	0.57
1.00E+00	0.59
1.00E+00	0.62
1.00E+00	0.84

1.00E+00	1
1.00E+00	0.54
1.00E+00	0.93
1.00E+00	0.6
1.00E+00	1
1.00E+00	0.64
1.00E+00	1
1.00E+00	0.72
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.91
1.00E+00	0.72
1.00E+00	0.95
1.00E+00	0.77
1.00E+00	0.67

1.00E+00	0.95
1.00E+00	0.9
1.00E+00	0.83

1.00E+00	1
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1.00E+00	0.93
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1.00E+00	0
1.00E+00	1
1.00E+00	0.97
1.00E+00	0.73
1.00E+00	0.76
1.00E+00	0.94
1.00E+00	0.89
1.00E+00	0.9
1.00E+00	0.93
1.00E+00	0.69
1.00E+00	0.72
1.00E+00	0.89
1.00E+00	0.84
1.00E+00	0.91
1.00E+00	0.79
1.00E+00	0.92
1.00E+00	0.95
1.00E+00	0.62
1.00E+00	0.87
1.00E+00	1
1.00E+00	0.96
1.00E+00	0.89
1.00E+00	0.78
1.00E+00	0.58
1.00E+00	0.83
1.00E+00	0.93
1.00E+00	0.72
1.00E+00	0.74
1.00E+00	0.83
1.00E+00	0.76
1.00E+00	1
1.00E+00	0.87
1.00E+00	0.63
1.00E+00	1
1.00E+00	0.84
1.00E+00	0.62

1.00E+00	1
1.00E+00	0.83
1.00E+00	1
1.00E+00	0.92
1.00E+00	1
1.00E+00	0.74
1.00E+00	0.77
1.00E+00	0.76
1.00E+00	0.73
1.00E+00	0.79
1.00E+00	0.68
1.00E+00	0.84
1.00E+00	0.97
1.00E+00	0.68
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.83
1.00E+00	1
1.00E+00	0.6
1.00E+00	0.94
1.00E+00	0.89
1.00E+00	0.9
1.00E+00	0.93
1.00E+00	0.69
1.00E+00	0.72
1.00E+00	0.81
1.00E+00	0.64
1.00E+00	0.83
1.00E+00	0.88
1.00E+00	0.7
1.00E+00	0.65
1.00E+00	0.93
1.00E+00	0.92
1.00E+00	0.91
1.00E+00	0.89
1.00E+00	0.6
1.00E+00	1
1.00E+00	0.64
1.00E+00	0.85
1.00E+00	0.86

1.00E+00	0.67
1.00E+00	0.81
1.00E+00	0.77
1.00E+00	0.94
1.00E+00	0.83
1.00E+00	0.6
1.00E+00	0.58
1.00E+00	0.93
1.00E+00	0.95
1.00E+00	0.79
1.00E+00	0.57
1.00E+00	1
1.00E+00	1
1.00E+00	0.71
1.00E+00	0.76
1.00E+00	0.88
1.00E+00	0.76
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.78
1.00E+00	0.88
1.00E+00	0.93
1.00E+00	0.95
1.00E+00	0.94
1.00E+00	0.77
1.00E+00	0.72
1.00E+00	1
1.00E+00	0.83
1.00E+00	0.79
1.00E+00	0.66
1.00E+00	1
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.94
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.58
1.00E+00	0.89
1.00E+00	0.9
1.00E+00	0.82
1.00E+00	0.83
1.00E+00	1
1.00E+00	1
1.00E+00	0.63
1.00E+00	0.57
1.00E+00	0.98
1.00E+00	1
1.00E+00	0.65
1.00E+00	0.58

1.00E+00	0.58
1.00E+00	0.81
1.00E+00	0.86
1.00E+00	0.96

1.00E+00	0.7
1.00E+00	0.69
1.00E+00	1
1.00E+00	0.85
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.72

1.00E+00	1
1.00E+00	0.85
1.00E+00	0.86
1.00E+00	0.87
1.00E+00	0.94
1.00E+00	0.78
1.00E+00	0.91
1.00E+00	0.89
1.00E+00	0.78
1.00E+00	0.82

1.00E+00	0.96
1.00E+00	1

1.00E+00	0.95
1.00E+00	0.68
1.00E+00	0.92

1.00E+00	1
1.00E+00	0.94
1.00E+00	0.93
1.00E+00	1

1.00E+00	0.68
1.00E+00	0.94

1.00E+00	0.94
1.00E+00	0.9
1.00E+00	0.74
1.00E+00	0.65
1.00E+00	0.86
1.00E+00	0.57
1.00E+00	0.76
1.00E+00	0.67
1.00E+00	0.66
1.00E+00	0.83
1.00E+00	0.83
1.00E+00	0.82
1.00E+00	0.91
1.00E+00	0.84
1.00E+00	1
1.00E+00	0.73
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.67
1.00E+00	0.92
1.00E+00	0.73
1.00E+00	1
1.00E+00	0.72
1.00E+00	0.92
1.00E+00	0.92
1.00E+00	1
1.00E+00	0.89
1.00E+00	0.81
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.56
1.00E+00	1
1.00E+00	0.69
1.00E+00	0.55
1.00E+00	0.57
1.00E+00	0.95

1.00E+00	0.75
1.00E+00	0.92
1.00E+00	0.83
1.00E+00	0.88
1.00E+00	0.87
1.00E+00	0.68
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.9

1.00E+00	0.83
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1.00E+00	0.6
1.00E+00	1
1.00E+00	0.86

1.00E+00	0.8
1.00E+00	0.89
1.00E+00	0.77
1.00E+00	0.8
1.00E+00	0.91
1.00E+00	0.65
1.00E+00	0.9
1.00E+00	0.96
1.00E+00	0.91
1.00E+00	0.71
1.00E+00	0.82
1.00E+00	0.78
1.00E+00	0.94
1.00E+00	0.91
1.00E+00	0.76

1.00E+00	0.92
1.00E+00	0.91

1.00E+00	0.75
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1.00E+00	0.65
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1.00E+00	0.94
1.00E+00	0.76
1.00E+00	0.86
1.00E+00	0.74

1.00E+00	0.79
1.00E+00	0.88
1.00E+00	0.88
1.00E+00	0.51
1.00E+00	0.67
1.00E+00	0.64

1.00E+00	1
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.87
1.00E+00	1
1.00E+00	0
1.00E+00	0.62
1.00E+00	0.62
1.00E+00	0.71
1.00E+00	0.81

1.00E+00	1
1.00E+00	0.45
1.00E+00	0.57
1.00E+00	0.67
1.00E+00	0.91
1.00E+00	0.85
1.00E+00	0.93

1.00E+00	1
1.00E+00	0.7
1.00E+00	0.87

1.00E+00	1
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1.00E+00	0.87
1.00E+00	0.98
1.00E+00	0.62
1.00E+00	0.91

1.00E+00	0.88
1.00E+00	0.88
1.00E+00	0.69
1.00E+00	1
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.47

1.00E+00	0.93
1.00E+00	1
1.00E+00	0.75
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.84
1.00E+00	0.57
1.00E+00	0.96
1.00E+00	0.92
1.00E+00	0.94
1.00E+00	0.92
1.00E+00	1
1.00E+00	0.97
1.00E+00	1
1.00E+00	0.87
1.00E+00	0.83
1.00E+00	0.83
1.00E+00	0.77
1.00E+00	1
1.00E+00	1
1.00E+00	0.87
1.00E+00	1
1.00E+00	1
1.00E+00	0.86
1.00E+00	0.83
1.00E+00	0.7
1.00E+00	1
1.00E+00	0
1.00E+00	0.45
1.00E+00	0.39
1.00E+00	1
1.00E+00	0.87
1.00E+00	0.87
1.00E+00	0.84
1.00E+00	0.66
1.00E+00	1
1.00E+00	0.85
1.00E+00	0.92

1.00E+00	0.8
1.00E+00	1
1.00E+00	0.82
1.00E+00	1
1.00E+00	0.89
1.00E+00	0.76
1.00E+00	1
1.00E+00	0.68
1.00E+00	0.93
1.00E+00	0.85
1.00E+00	1
1.00E+00	0.74
1.00E+00	0.92
1.00E+00	0.9
1.00E+00	1
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.78
1.00E+00	0.82
1.00E+00	1
1.00E+00	1
1.00E+00	0.88
1.00E+00	0.56
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.96
1.00E+00	0.99
1.00E+00	1
1.00E+00	0.94
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1.00E+00	0.93
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1.00E+00	0.47
1.00E+00	0.91
1.00E+00	0.97
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1.00E+00	0.86
1.00E+00	0.94
1.00E+00	0.85
1.00E+00	0.73
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1.00E+00	0.69
1.00E+00	0.85
1.00E+00	0.57
1.00E+00	0.73
1.00E+00	1
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.76
1.00E+00	0.95
1.00E+00	0.91

1.00E+00	0.58
1.00E+00	0.66
1.00E+00	0.81
1.00E+00	0.52
1.00E+00	0.75
1.00E+00	1
1.00E+00	1
1.00E+00	0.8
1.00E+00	1

1.00E+00	0.73
1.00E+00	0.91
1.00E+00	0.69
1.00E+00	0.93
1.00E+00	0.8
1.00E+00	0.83
1.00E+00	0.92
1.00E+00	1
1.00E+00	0.73

1.00E+00	0.94
1.00E+00	0.58
1.00E+00	0.66
1.00E+00	0.81
1.00E+00	0.52
1.00E+00	0.75
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.69
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.8
1.00E+00	0.83
1.00E+00	1
1.00E+00	0.66
1.00E+00	1

1.00E+00 0.88

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1.00E+00 0.97

1.00E+00 0.86

1.00E+00 0.91

1.00E+00 0.86

1.00E+00 1

1.00E+00 0.94

1.00E+00	0.67
1.00E+00	0.71
1.00E+00	0.86
1.00E+00	0.49
1.00E+00	0.96
1.00E+00	0.87
1.00E+00	0.72
1.00E+00	0.76
1.00E+00	0.64
1.00E+00	0.66

1.00E+00	0.9
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.88
1.00E+00	0.86
1.00E+00	0.92

1.00E+00	0.69
1.00E+00	0.91
1.00E+00	0.7
1.00E+00	1
1.00E+00	0.94

1.00E+00	0.83
1.00E+00	0.69

1.00E+00	0.93
1.00E+00	0.87

1.00E+00	1
1.00E+00	0.85
1.00E+00	0.89
1.00E+00	0.89
1.00E+00	0.8
1.00E+00	0.78
1.00E+00	0.73
1.00E+00	0.64
1.00E+00	0.87
1.00E+00	0.72

1.00E+00	0.93
1.00E+00	0.97
1.00E+00	0.61

1.00E+00	0.78
1.00E+00	0.94
1.00E+00	0.89
1.00E+00	0.9
1.00E+00	0.45
1.00E+00	0.55
1.00E+00	0.73
1.00E+00	0.83
1.00E+00	0.73
1.00E+00	0.52
1.00E+00	0.48
1.00E+00	0.76
1.00E+00	0.86
1.00E+00	0.92
1.00E+00	0.85
1.00E+00	1
1.00E+00	0.74
1.00E+00	0.95
1.00E+00	0.86
1.00E+00	0.84
1.00E+00	0.7
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.81
1.00E+00	0.76
1.00E+00	1
1.00E+00	0.72
1.00E+00	0.8
1.00E+00	0.82
1.00E+00	0.76
1.00E+00	0.84
1.00E+00	0.85
1.00E+00	0.68
1.00E+00	0.62
1.00E+00	0.76
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.72
1.00E+00	0.9
1.00E+00	0.66
1.00E+00	1

1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.83
1.00E+00	0.61
1.00E+00	0.73
1.00E+00	0.79
1.00E+00	0.98
1.00E+00	0.94
1.00E+00	0.66
1.00E+00	0.85
1.00E+00	0.84
1.00E+00	0.96
1.00E+00	0.77
1.00E+00	1
1.00E+00	0.64
1.00E+00	0.87
1.00E+00	0.9
1.00E+00	0.95
1.00E+00	0.7
1.00E+00	0.88
1.00E+00	0.13
1.00E+00	0.89
1.00E+00	0.96
1.00E+00	0.77
1.00E+00	0.72
1.00E+00	0.75
1.00E+00	0.81
1.00E+00	0.7
1.00E+00	0.85
1.00E+00	1
1.00E+00	0.86
1.00E+00	0.97
1.00E+00	0.84
1.00E+00	0.67
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.7
1.00E+00	0.85
1.00E+00	0.77
1.00E+00	0.84
1.00E+00	0.97
1.00E+00	0.77
1.00E+00	0.84
1.00E+00	0.9

1.00E+00	0.61
1.00E+00	0.67
1.00E+00	0.89

1.00E+00	1
1.00E+00	0.59
1.00E+00	0.84
1.00E+00	0.84
1.00E+00	0.81
1.00E+00	1
1.00E+00	0.75

1.00E+00	1
1.00E+00	0.5
1.00E+00	0.5
1.00E+00	1
1.00E+00	0.89
1.00E+00	0.88
1.00E+00	0.87
1.00E+00	0.82

1.00E+00	0.83
1.00E+00	0.94
1.00E+00	0.84
1.00E+00	0.94

1.00E+00	0.93
1.00E+00	0.93
1.00E+00	0.87
1.00E+00	1
1.00E+00	0.89
1.00E+00	1
1.00E+00	0.61

1.00E+00	0.74
1.00E+00	0.82
1.00E+00	0.84
1.00E+00	0.63
1.00E+00	0.96
1.00E+00	0.57
1.00E+00	0.95
1.00E+00	0.8
1.00E+00	1

1.00E+00	1
1.00E+00	0.94

1.00E+00	0.79
1.00E+00	0.95
1.00E+00	0.93

1.00E+00	1
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1.00E+00	0.94
1.00E+00	0.73

1.00E+00	0.97
1.00E+00	0.75
1.00E+00	0.65
1.00E+00	0.65
1.00E+00	0.62
1.00E+00	0.89
1.00E+00	0.87
1.00E+00	0.91
1.00E+00	0.76
1.00E+00	0.74
1.00E+00	0.83
1.00E+00	1
1.00E+00	0.71

1.00E+00	0.86
1.00E+00	0.9
1.00E+00	1
1.00E+00	1
1.00E+00	1

1.00E+00	0.81
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1.00E+00	0.69
1.00E+00	0.82
1.00E+00	0.92
1.00E+00	1
1.00E+00	0.79
1.00E+00	0.68
1.00E+00	0.94
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.81
1.00E+00	0.78
1.00E+00	0.85
1.00E+00	0.73
1.00E+00	0.9
1.00E+00	0.71
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.82
1.00E+00	0.94
1.00E+00	0.82
1.00E+00	0.86
1.00E+00	0.61
1.00E+00	0.92
1.00E+00	0.61
1.00E+00	0.93
1.00E+00	0.93
1.00E+00	0.84
1.00E+00	0.88
1.00E+00	0.65
1.00E+00	0.95
1.00E+00	0.7
1.00E+00	0.7
1.00E+00	0.68
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.96
1.00E+00	0.63
1.00E+00	0.95
1.00E+00	0.86
1.00E+00	0.87

1.00E+00 0.96

1.00E+00 0.96

1.00E+00 1

1.00E+00 0.91

1.00E+00 0.79

1.00E+00 1

1.00E+00 0.83

1.00E+00 0.89

1.00E+00 0.8

1.00E+00 0.87

1.00E+00 0.94

1.00E+00 0.95

1.00E+00 0.97

1.00E+00 0.94

1.00E+00 0.96

1.00E+00 0.96

1.00E+00 0.95

1.00E+00 0.95

1.00E+00 0.95

1.00E+00 0.95

1.00E+00 1

1.00E+00 0.83

1.00E+00 0.78

1.00E+00 0.86

1.00E+00 0.68

1.00E+00 0.91

1.00E+00 0.68

1.00E+00 0.88

1.00E+00 0.87

1.00E+00 0.77

1.00E+00 0

1.00E+00	0.94
1.00E+00	0.86
1.00E+00	0.96
1.00E+00	0.73

1.00E+00	0.81
1.00E+00	0.84
1.00E+00	0.93
1.00E+00	0.87
1.00E+00	0.94

1.00E+00	1
1.00E+00	0.88
1.00E+00	1

1.00E+00	0.67
1.00E+00	0.89
1.00E+00	1
1.00E+00	0.62
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.85
1.00E+00	1
1.00E+00	0.83
1.00E+00	0.89
1.00E+00	0.9
1.00E+00	0.95
1.00E+00	0.87
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.91

1.00E+00	0.66
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1.00E+00	0.81
1.00E+00	0.73
1.00E+00	0.92
1.00E+00	0.94
1.00E+00	0.94
1.00E+00	0.39
1.00E+00	0.91
1.00E+00	0.7
1.00E+00	0.73

1.00E+00	0.78
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1.00E+00	0.88
1.00E+00	0.85
1.00E+00	0.92
1.00E+00	0.74
1.00E+00	0.9
1.00E+00	0.91
1.00E+00	0.83
1.00E+00	0.95
1.00E+00	0.59
1.00E+00	0.66
1.00E+00	0.87
1.00E+00	1
1.00E+00	0.6
1.00E+00	0.92
1.00E+00	0.55
1.00E+00	0.83
1.00E+00	0
1.00E+00	0.63
1.00E+00	0.67
1.00E+00	1
1.00E+00	0.45
1.00E+00	1
1.00E+00	0.89
1.00E+00	0.96
1.00E+00	0.92
1.00E+00	0.87
1.00E+00	0.95
1.00E+00	0.96
1.00E+00	0.93
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.82
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.92
1.00E+00	0.74
1.00E+00	1
1.00E+00	0.69
1.00E+00	0.77
1.00E+00	0.9
1.00E+00	0.89
1.00E+00	0.93
1.00E+00	0.9
1.00E+00	0.66
1.00E+00	0.82
1.00E+00	0.97
1.00E+00	0.87
1.00E+00	1
1.00E+00	0.85
1.00E+00	0.92

1.00E+00	0.93
1.00E+00	0.67
1.00E+00	0.72
1.00E+00	0.84

1.00E+00	0.85
1.00E+00	1
1.00E+00	0.68
1.00E+00	1
1.00E+00	0.88
1.00E+00	0.92
1.00E+00	1
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.65
1.00E+00	0.98
1.00E+00	0.91
1.00E+00	0.73
1.00E+00	0.88
1.00E+00	0.65
1.00E+00	0.95
1.00E+00	0.92
1.00E+00	1
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.74
1.00E+00	0.61
1.00E+00	0.91
1.00E+00	0.6
1.00E+00	0.52

1.00E+00	0.76
1.00E+00	0.49
1.00E+00	1
1.00E+00	0.57
1.00E+00	0.85
1.00E+00	0.9
1.00E+00	0.93
1.00E+00	0.91
1.00E+00	0.85
1.00E+00	0.73
1.00E+00	0.85
1.00E+00	0.9
1.00E+00	0.81
1.00E+00	0.61
1.00E+00	1
1.00E+00	0.75
1.00E+00	0.95
1.00E+00	0.87
1.00E+00	0.91

1.00E+00	1
1.00E+00	0.99

1.00E+00	0.97
1.00E+00	0.89
1.00E+00	0.7
1.00E+00	1
1.00E+00	0.71
1.00E+00	0.86

1.00E+00	1
1.00E+00	0.47
1.00E+00	0.82
1.00E+00	0.85
1.00E+00	0.95
1.00E+00	0.73
1.00E+00	0.94
1.00E+00	0.89
1.00E+00	0.9
1.00E+00	0.93
1.00E+00	0.69
1.00E+00	0.72
1.00E+00	0.64
1.00E+00	0.83
1.00E+00	0.88
1.00E+00	0.7
1.00E+00	0.65
1.00E+00	0.93
1.00E+00	0.92
1.00E+00	0.91
1.00E+00	0.89

1.00E+00	1
1.00E+00	0.9
1.00E+00	0.65
1.00E+00	0.64
1.00E+00	0.83
1.00E+00	0.68
1.00E+00	0.9

1.00E+00 0.85

1.00E+00 0.69

1.00E+00 0.71

1.00E+00 0.67

1.00E+00 0.92

1.00E+00 0.87

1.00E+00 1

1.00E+00 0.71

1.00E+00 1

1.00E+00 0.88

1.00E+00 1

1.00E+00 0.95

1.00E+00 0.64

1.00E+00 0.75

1.00E+00 0.86

1.00E+00 1

1.00E+00 0.84

1.00E+00 1

1.00E+00 0.92

1.00E+00 0.95

1.00E+00 1

1.00E+00 0.94

1.00E+00 0.59

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1.00E+00 0.86

1.00E+00 0.94

1.00E+00 0.6

1.00E+00 1

1.00E+00 0.95

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1.00E+00 0.82

1.00E+00 0.87

1.00E+00 0.96

1.00E+00 0.77

1.00E+00 1

1.00E+00 1

1.00E+00 0.87

1.00E+00 1

1.00E+00 0.79

1.00E+00 0.97

1.00E+00 0.9

1.00E+00	0.93
1.00E+00	0.91
1.00E+00	0.94
1.00E+00	0.85
1.00E+00	0.79
1.00E+00	0.93
1.00E+00	0.85
1.00E+00	0.92
1.00E+00	0.73
1.00E+00	0.63
1.00E+00	0.71
1.00E+00	0.97

1.00E+00	0.86
1.00E+00	0.97
1.00E+00	0.78

1.00E+00	0.74
1.00E+00	0.79
1.00E+00	0.96
1.00E+00	0.92
1.00E+00	1
1.00E+00	0.93
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.93
1.00E+00	0.9
1.00E+00	0.99
1.00E+00	0.86
1.00E+00	0.86
1.00E+00	0.75
1.00E+00	0.72
1.00E+00	0.48
1.00E+00	0.9
1.00E+00	0.56
1.00E+00	0.64
1.00E+00	0.97
1.00E+00	0.93
1.00E+00	0.9

1.00E+00	0.73
1.00E+00	0.69
1.00E+00	0.85
1.00E+00	1
1.00E+00	0.76
1.00E+00	0.94

1.00E+00	0.76
1.00E+00	1
1.00E+00	0.7

1.00E+00	0.78
1.00E+00	0.87
1.00E+00	0.92
1.00E+00	0.79
1.00E+00	0.92
1.00E+00	0.88
1.00E+00	0.85
1.00E+00	0.81
1.00E+00	0.85
1.00E+00	0.86
1.00E+00	0.87
1.00E+00	0.94
1.00E+00	0.78
1.00E+00	0.91
1.00E+00	0.89
1.00E+00	0.93
1.00E+00	0.93
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.96

1.00E+00	0.96
1.00E+00	1

1.00E+00	0.83
1.00E+00	0.79

1.00E+00	1
1.00E+00	0.94
1.00E+00	0.93
1.00E+00	1

1.00E+00	0.68
1.00E+00	0.94

1.00E+00	0.93
1.00E+00	0.66
1.00E+00	0.75
1.00E+00	0.68
1.00E+00	0.73
1.00E+00	0.7
1.00E+00	1
1.00E+00	0.65

1.00E+00	0.65
1.00E+00	0.61
1.00E+00	0.78
1.00E+00	0.81
1.00E+00	0.91
1.00E+00	0.75
1.00E+00	0.73
1.00E+00	1
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.63
1.00E+00	0.98
1.00E+00	0.93
1.00E+00	0.91
1.00E+00	0.96
1.00E+00	0.69
1.00E+00	0.73
1.00E+00	0.9
1.00E+00	0.91
1.00E+00	0.64
1.00E+00	0.95
1.00E+00	0.85
1.00E+00	0.88
1.00E+00	0.93
1.00E+00	0.78
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.86
1.00E+00	0.61
1.00E+00	0.93
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.75
1.00E+00	0.62
1.00E+00	1
1.00E+00	0.88
1.00E+00	0.91
1.00E+00	0.89
1.00E+00	0.71
1.00E+00	0.85
1.00E+00	1
1.00E+00	0.88
1.00E+00	0.73
1.00E+00	0.57
1.00E+00	0.69
1.00E+00	0.78

1.00E+00	0.84
1.00E+00	0.97
1.00E+00	0.93
1.00E+00	1

1.00E+00	0.77
1.00E+00	0.79
1.00E+00	0.81
1.00E+00	0.62
1.00E+00	0.48
1.00E+00	0.89
1.00E+00	0.84
1.00E+00	0.91
1.00E+00	0.8
1.00E+00	0.88
1.00E+00	0.76
1.00E+00	0.78
1.00E+00	0.96

1.00E+00	0.88
1.00E+00	0.8

1.00E+00	0.68
1.00E+00	0.92
1.00E+00	0.53

1.00E+00	0.55
1.00E+00	0.9
1.00E+00	0.83

1.00E+00	1
1.00E+00	1
1.00E+00	0.84
1.00E+00	0.85

1.00E+00	0.89
1.00E+00	0.89
1.00E+00	0.68
1.00E+00	1
1.00E+00	0.9

1.00E+00	0.93
1.00E+00	0.93
1.00E+00	0.9
1.00E+00	0.59
1.00E+00	0.86

1.00E+00	0.9
1.00E+00	0.83

1.00E+00	0.71
1.00E+00	1
1.00E+00	0.56
1.00E+00	0.78

1.00E+00	0.89
1.00E+00	0.55
1.00E+00	0.87
1.00E+00	0.91
1.00E+00	0.91
1.00E+00	0.94
1.00E+00	0.94
1.00E+00	0.83
1.00E+00	0.72
1.00E+00	0.96

1.00E+00	0.82
1.00E+00	0.94
1.00E+00	0.72
1.00E+00	0.76
1.00E+00	0.76
1.00E+00	0.8
1.00E+00	0.56
1.00E+00	0.78
1.00E+00	0.84
1.00E+00	0.77
1.00E+00	0.91
1.00E+00	0.9
1.00E+00	0.64
1.00E+00	0.77
1.00E+00	0.86
1.00E+00	0.62
1.00E+00	0.69
1.00E+00	0.89
1.00E+00	0.88
1.00E+00	0.83
1.00E+00	0.94
1.00E+00	0.94
1.00E+00	0.89
1.00E+00	0.92
1.00E+00	0.75
1.00E+00	0.76
1.00E+00	0.7

1.00E+00 0.91

1.00E+00 0.81

1.00E+00 0.68

1.00E+00 0.87

1.00E+00 0.88

1.00E+00 0.92

1.00E+00 1

1.00E+00 0.93

1.00E+00 0.68

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1.00E+00 0.93

1.00E+00 0.95

1.00E+00 0.54

1.00E+00 0.97

1.00E+00 1

1.00E+00 0.81

1.00E+00 0.74

1.00E+00 0.83

1.00E+00 1

1.00E+00 0.46

1.00E+00 0.89

1.00E+00 0.82

1.00E+00 0.47

1.00E+00 0.87

1.00E+00 0.89

1.00E+00 0.85

1.00E+00 0.76

1.00E+00 0.67

1.00E+00 0.62

1.00E+00 0.78

1.00E+00 0.7

1.00E+00 0.86

1.00E+00 0.55

1.00E+00 0.46

1.00E+00 0.83

1.00E+00 0.76

1.00E+00 0.59

1.00E+00 0.77

1.00E+00 0.85

1.00E+00	0.64
1.00E+00	0.66
1.00E+00	0.88
1.00E+00	0.93
1.00E+00	0.88
1.00E+00	0.9
1.00E+00	0
1.00E+00	0.86
1.00E+00	0.96
1.00E+00	0.83
1.00E+00	0.71
1.00E+00	0
1.00E+00	0.78
1.00E+00	0.54
1.00E+00	0.76
1.00E+00	0.87
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.72
1.00E+00	0.76
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.4
1.00E+00	0.72
1.00E+00	0.96
1.00E+00	0.53
1.00E+00	0.82
1.00E+00	0.93
1.00E+00	0.88
1.00E+00	0.58
1.00E+00	0.89
1.00E+00	0.94
1.00E+00	0.85
1.00E+00	1
1.00E+00	1
1.00E+00	0.77
1.00E+00	0.92

1.00E+00	0.65
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.49
1.00E+00	1
1.00E+00	0.85
1.00E+00	0.87
1.00E+00	0.83
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.55
1.00E+00	0.55
1.00E+00	0.6
1.00E+00	0.72
1.00E+00	0.86
1.00E+00	0.78
1.00E+00	0.89
1.00E+00	0.92
1.00E+00	0.79
1.00E+00	0.88
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.93
1.00E+00	0.86
1.00E+00	0.74
1.00E+00	0.58
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.93
1.00E+00	0.48
1.00E+00	0.84
1.00E+00	0.9
1.00E+00	0.86
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.87
1.00E+00	0.73
1.00E+00	0.83
1.00E+00	0.67
1.00E+00	0.95
1.00E+00	0.79
1.00E+00	0.95
1.00E+00	1
1.00E+00	1
1.00E+00	0.68

1.00E+00	1
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.88
1.00E+00	1
1.00E+00	0.78
1.00E+00	0.64
1.00E+00	0.57

1.00E+00	0.89
1.00E+00	0
1.00E+00	0.94
1.00E+00	0.93
1.00E+00	0.95
1.00E+00	0.79
1.00E+00	0.93
1.00E+00	0.89
1.00E+00	0.88

1.00E+00	0.59
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.78
1.00E+00	0.66

1.00E+00	1
1.00E+00	0.93
1.00E+00	0.93
1.00E+00	0.82
1.00E+00	0.83
1.00E+00	0.9
1.00E+00	0.55
1.00E+00	0.77
1.00E+00	0.59
1.00E+00	0.92
1.00E+00	0.82
1.00E+00	0.82

1.00E+00	0.85
1.00E+00	0.85
1.00E+00	0.93
1.00E+00	0.95
1.00E+00	0.81
1.00E+00	0.97
1.00E+00	0.92
1.00E+00	0.65

1.00E+00	1
1.00E+00	0.76
1.00E+00	0.73
1.00E+00	0.95
1.00E+00	1

1.00E+00	1
1.00E+00	0.91

1.00E+00	0
1.00E+00	0.79
1.00E+00	0.68
1.00E+00	0.88
1.00E+00	0.89
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.79
1.00E+00	0.84
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.84
1.00E+00	0.92
1.00E+00	0.74
1.00E+00	0.94
1.00E+00	0.68
1.00E+00	0.73
1.00E+00	0.73
1.00E+00	0.77
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.4

1.00E+00	0.89
1.00E+00	0.96
1.00E+00	0.89
1.00E+00	0.72
1.00E+00	0.93
1.00E+00	0.73
1.00E+00	0.91
1.00E+00	0.93
1.00E+00	1
1.00E+00	0.82
1.00E+00	0.76
1.00E+00	0.81
1.00E+00	0.75
1.00E+00	0.66

1.00E+00	1
1.00E+00	0.91
1.00E+00	0.83
1.00E+00	0.91
1.00E+00	0.95
1.00E+00	0.79

1.00E+00	0.85
1.00E+00	0.94

1.00E+00	0.78
1.00E+00	0.62

1.00E+00	0.94
1.00E+00	1
1.00E+00	0.65
1.00E+00	0.84

1.00E+00	0.72
1.00E+00	0.66
1.00E+00	0.7
1.00E+00	0.93
1.00E+00	0.84
1.00E+00	0.86
1.00E+00	0.52
1.00E+00	0.49
1.00E+00	0.53

1.00E+00	1
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1.00E+00	0.81
1.00E+00	0.94
1.00E+00	0.94

1.00E+00	1
1.00E+00	0.72
1.00E+00	0.54
1.00E+00	0.68
1.00E+00	0.87
1.00E+00	0.76
1.00E+00	0.92
1.00E+00	0.7
1.00E+00	0.87
1.00E+00	0.54
1.00E+00	0.73
1.00E+00	0.94
1.00E+00	0.81

1.00E+00	0.9
1.00E+00	0.95
1.00E+00	0.29
1.00E+00	0.56
1.00E+00	0.77
1.00E+00	0.83
1.00E+00	0.83
1.00E+00	0.86
1.00E+00	1
1.00E+00	0.69
1.00E+00	0.7
1.00E+00	0.83
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.87
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.8
1.00E+00	0.96
1.00E+00	0.79
1.00E+00	0.8
1.00E+00	0.78
1.00E+00	0.47
1.00E+00	0.71
1.00E+00	1
1.00E+00	0.97
1.00E+00	0.93
1.00E+00	1
1.00E+00	1
1.00E+00	0.65
1.00E+00	0.87
1.00E+00	0.82
1.00E+00	0.96
1.00E+00	0.79

1.00E+00	0.75
1.00E+00	0.81
1.00E+00	0.87
1.00E+00	0.62
1.00E+00	0.9
1.00E+00	0.68
1.00E+00	0.85
1.00E+00	1
1.00E+00	0.59
1.00E+00	1
1.00E+00	0.72
1.00E+00	1
1.00E+00	0.82
1.00E+00	0.82
1.00E+00	0.8
1.00E+00	0.92
1.00E+00	1
1.00E+00	0.77
1.00E+00	0.6
1.00E+00	0
1.00E+00	0.92
1.00E+00	0.92
1.00E+00	0.82
1.00E+00	0.93
1.00E+00	0.78
1.00E+00	0.79
1.00E+00	0.86
1.00E+00	0.77
1.00E+00	0.96
1.00E+00	0.96
1.00E+00	0.82
1.00E+00	0.75
1.00E+00	0.59
1.00E+00	0.76
1.00E+00	0.67
1.00E+00	0.72
1.00E+00	0.83
1.00E+00	0.8
1.00E+00	0.82
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.74
1.00E+00	0.94
1.00E+00	0.86

1.00E+00	0.71
1.00E+00	0.79
1.00E+00	0.88
1.00E+00	0.75
1.00E+00	0.86

1.00E+00	0.56
1.00E+00	1
1.00E+00	0.86
1.00E+00	0.88
1.00E+00	0.73
1.00E+00	0.79
1.00E+00	0.86
1.00E+00	0.74
1.00E+00	0.59
1.00E+00	0.63
1.00E+00	0.63
1.00E+00	0.69
1.00E+00	0.95
1.00E+00	0.95
1.00E+00	0.79
1.00E+00	0.52
1.00E+00	1
1.00E+00	1

1.00E+00	0.82
1.00E+00	1
1.00E+00	0.73
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.95
1.00E+00	0.57
1.00E+00	0.66
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.85
1.00E+00	0.92
1.00E+00	0.75
1.00E+00	0.87
1.00E+00	0.6
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.87
1.00E+00	0.89
1.00E+00	0.86
1.00E+00	0.85

1.00E+00	0.89
1.00E+00	0.73
1.00E+00	1
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.94
1.00E+00	0.87
1.00E+00	0.84
1.00E+00	0.89
1.00E+00	0.89
1.00E+00	0.63
1.00E+00	0.66
1.00E+00	0.94
1.00E+00	0.95
1.00E+00	0.82
1.00E+00	0.67
1.00E+00	0.72
1.00E+00	0.58
1.00E+00	0.9
1.00E+00	0.91
1.00E+00	0.87
1.00E+00	1
1.00E+00	1
1.00E+00	0.64
1.00E+00	0.93
1.00E+00	0.58
1.00E+00	0.84
1.00E+00	0.87
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.88
1.00E+00	0.7
1.00E+00	0.92
1.00E+00	0.97
1.00E+00	0.71
1.00E+00	1
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.84
1.00E+00	1
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.93

1.00E+00	0.87
1.00E+00	0.83
1.00E+00	0.82
1.00E+00	0.64
1.00E+00	0.94
1.00E+00	0.95
1.00E+00	0.82
1.00E+00	0.74
1.00E+00	0.76
1.00E+00	0.93
1.00E+00	1
1.00E+00	0.73
1.00E+00	0.67
1.00E+00	1
1.00E+00	0.71
1.00E+00	1
1.00E+00	0.89
1.00E+00	0.66
1.00E+00	0.74
1.00E+00	0.54
1.00E+00	0.77
1.00E+00	0.45
1.00E+00	0.72
1.00E+00	1
1.00E+00	0.77
1.00E+00	0.73
1.00E+00	1

1.00E+00	0.94
1.00E+00	0.59
1.00E+00	0.86
1.00E+00	0.69
1.00E+00	0.67
1.00E+00	1
1.00E+00	0.86
1.00E+00	0.96
1.00E+00	0.88
1.00E+00	1
1.00E+00	0.81
1.00E+00	0.61
1.00E+00	0.84

1.00E+00	0.81
1.00E+00	0.81
1.00E+00	0.78
1.00E+00	0.79
1.00E+00	0.98

1.00E+00	0.81
1.00E+00	0.91

1.00E+00	1
1.00E+00	0.78
1.00E+00	0.56

1.00E+00	0.92
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1.00E+00	0.58
1.00E+00	0.56
1.00E+00	0.93
1.00E+00	0.87

1.00E+00	0.84
1.00E+00	0.62
1.00E+00	0.79
1.00E+00	0.8

1.00E+00	0.89
1.00E+00	1
1.00E+00	0.85
1.00E+00	0.81

1.00E+00	0.77
1.00E+00	0.93
1.00E+00	0.82
1.00E+00	0.8

1.00E+00	0.68
1.00E+00	0.88

1.00E+00	0.89
1.00E+00	1
1.00E+00	0.56
1.00E+00	1

1.00E+00	0.84
1.00E+00	0.79
1.00E+00	0.7
1.00E+00	1

1.00E+00	0.85
1.00E+00	0.67
1.00E+00	0.5

1.00E+00	0.72
1.00E+00	0.93
1.00E+00	0.94

1.00E+00	0.94
1.00E+00	0.76
1.00E+00	0.96
1.00E+00	0.92

1.00E+00	0.93
1.00E+00	0.92

1.00E+00	0.8
1.00E+00	0.61
1.00E+00	0.67
1.00E+00	0.67
1.00E+00	0.78
1.00E+00	0.86
1.00E+00	0.84
1.00E+00	0.81

1.00E+00	0.75
1.00E+00	0.9
1.00E+00	1
1.00E+00	1
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.72
1.00E+00	1
1.00E+00	1
1.00E+00	0.68
1.00E+00	0.94
1.00E+00	0.93
1.00E+00	0.94
1.00E+00	0.93
1.00E+00	0.84
1.00E+00	1
1.00E+00	0.8
1.00E+00	0.65
1.00E+00	0.65

1.00E+00	0.92
1.00E+00	0.62
1.00E+00	0.94
1.00E+00	0.84
1.00E+00	0.6
1.00E+00	0.91
1.00E+00	0.85

1.00E+00	0.54
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1.00E+00	0.61
1.00E+00	0.61
1.00E+00	0.88
1.00E+00	0.89
1.00E+00	0.94
1.00E+00	0.93
1.00E+00	0.66
1.00E+00	0.8
1.00E+00	0.95
1.00E+00	0.87
1.00E+00	0.87
1.00E+00	0.89
1.00E+00	0.81
1.00E+00	0.89
1.00E+00	0.87
1.00E+00	1
1.00E+00	0.83
1.00E+00	0.91
1.00E+00	0.74
1.00E+00	1
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.74
1.00E+00	0.68
1.00E+00	1
1.00E+00	0.76
1.00E+00	1
1.00E+00	0.76
1.00E+00	0.94
1.00E+00	0.84
1.00E+00	0.82
1.00E+00	0.83
1.00E+00	0.89
1.00E+00	0.93
1.00E+00	0.93
1.00E+00	0.53
1.00E+00	0.91
1.00E+00	0.67
1.00E+00	0.71
1.00E+00	0.76
1.00E+00	0.61
1.00E+00	0.8
1.00E+00	0.85
1.00E+00	0.81

1.00E+00	0.73
1.00E+00	0.72
1.00E+00	0.97
1.00E+00	1
1.00E+00	0.96
1.00E+00	0.63
1.00E+00	0.91
1.00E+00	0.86
1.00E+00	1
1.00E+00	0.89
1.00E+00	1
1.00E+00	0.47
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.84
1.00E+00	0.9
1.00E+00	0.91
1.00E+00	0.91
1.00E+00	0.94
1.00E+00	0.91
1.00E+00	0.69
1.00E+00	1
1.00E+00	0.93
1.00E+00	1
1.00E+00	0.88
1.00E+00	1
1.00E+00	0.58
1.00E+00	0.89
1.00E+00	0.79
1.00E+00	1
1.00E+00	1
1.00E+00	0.81
1.00E+00	1
1.00E+00	0.87
1.00E+00	0.83
1.00E+00	0.61
1.00E+00	1
1.00E+00	0.83
1.00E+00	1
1.00E+00	0.86
1.00E+00	0.56
1.00E+00	0.72
1.00E+00	0.81
1.00E+00	0.92
1.00E+00	0.84
1.00E+00	0.88
1.00E+00	0.92

1.00E+00	0.83
1.00E+00	0.86
1.00E+00	0.83
1.00E+00	0.79
1.00E+00	0.84
1.00E+00	0.87
1.00E+00	0.84
1.00E+00	0.85
1.00E+00	0.78
1.00E+00	1
1.00E+00	0.78
1.00E+00	0.71
1.00E+00	1
1.00E+00	0.54
1.00E+00	0.81
1.00E+00	0.96
1.00E+00	0.93
1.00E+00	0.85
1.00E+00	0.88
1.00E+00	1
1.00E+00	0.81
1.00E+00	1
1.00E+00	0.88
1.00E+00	0.9
1.00E+00	0.74
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.67
1.00E+00	0.76
1.00E+00	1
1.00E+00	0.86
1.00E+00	0.82
1.00E+00	0.86
1.00E+00	0.95
1.00E+00	0.68
1.00E+00	0.73
1.00E+00	0.72
1.00E+00	0.76
1.00E+00	0.79
1.00E+00	0.56
1.00E+00	0.76
1.00E+00	0.82
1.00E+00	0.6
1.00E+00	0.74
1.00E+00	0.74
1.00E+00	0.6
1.00E+00	0.93

1.00E+00	0.4
1.00E+00	0.87
1.00E+00	0.63
1.00E+00	0.87
1.00E+00	0.74
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.61
1.00E+00	0.72
1.00E+00	0.9
1.00E+00	0.67
1.00E+00	0.77
1.00E+00	0.9
1.00E+00	0.92
1.00E+00	0.84
1.00E+00	1
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.8
1.00E+00	0.55
1.00E+00	0.93
1.00E+00	1
1.00E+00	0.78
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.64
1.00E+00	0.84
1.00E+00	0.93
1.00E+00	1
1.00E+00	0
1.00E+00	0.95
1.00E+00	0.97
1.00E+00	0.94
1.00E+00	0.64
1.00E+00	0.9
1.00E+00	0.75
1.00E+00	0.67
1.00E+00	0.7
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.95
1.00E+00	0.82
1.00E+00	1
1.00E+00	0.82

1.00E+00	1
1.00E+00	0.75
1.00E+00	1
1.00E+00	0.89
1.00E+00	0.94
1.00E+00	0.95
1.00E+00	0.72
1.00E+00	0.95
1.00E+00	0.77
1.00E+00	1
1.00E+00	0.72
1.00E+00	0.9

1.00E+00	0.88
1.00E+00	0.94
1.00E+00	0.92
1.00E+00	0.87
1.00E+00	0.77

1.00E+00	0.91
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1.00E+00	0.92
1.00E+00	0.83
1.00E+00	0.51
1.00E+00	1

1.00E+00	0.92
1.00E+00	0.66
1.00E+00	0.93
1.00E+00	0.65
1.00E+00	0.59
1.00E+00	0.96
1.00E+00	0.89
1.00E+00	0.56
1.00E+00	0.78
1.00E+00	1
1.00E+00	0.82
1.00E+00	0.69
1.00E+00	0.41
1.00E+00	0.64
1.00E+00	0.95
1.00E+00	0.56
1.00E+00	0.8
1.00E+00	0.92
1.00E+00	0.72

1.00E+00	1
1.00E+00	0.88
1.00E+00	0.93

1.00E+00	1
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.68
1.00E+00	1
1.00E+00	0.85
1.00E+00	0.93
1.00E+00	1
1.00E+00	1
1.00E+00	0.77
1.00E+00	0.81
1.00E+00	0.84
1.00E+00	0.86
1.00E+00	1
1.00E+00	0.96
1.00E+00	0.9
1.00E+00	0.88
1.00E+00	0.88
1.00E+00	1
1.00E+00	1
1.00E+00	0.63
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.94
1.00E+00	0.81
1.00E+00	1
1.00E+00	1
1.00E+00	0.8
1.00E+00	0.93
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.88
1.00E+00	1
1.00E+00	0.84
1.00E+00	1
1.00E+00	0.77
1.00E+00	0.58
1.00E+00	0.51
1.00E+00	0.76
1.00E+00	0.77
1.00E+00	0.7
1.00E+00	0.86
1.00E+00	0.82
1.00E+00	0.9
1.00E+00	0.88

1.00E+00	0.86
1.00E+00	0.92
1.00E+00	0.96
1.00E+00	0.58
1.00E+00	0.57
1.00E+00	0.75
1.00E+00	0.72
1.00E+00	0.77
1.00E+00	0.91
1.00E+00	0.93
1.00E+00	0.65
1.00E+00	0.94
1.00E+00	0.86
1.00E+00	0.78
1.00E+00	0.94
1.00E+00	0.93
1.00E+00	1
1.00E+00	0.83
1.00E+00	0.88
1.00E+00	0.9
1.00E+00	0.96
1.00E+00	0.92
1.00E+00	0.67
1.00E+00	0.96
1.00E+00	0.72
1.00E+00	0.96
1.00E+00	0.9
1.00E+00	0.89
1.00E+00	0.94
1.00E+00	0.88
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1.00E+00	0.89
1.00E+00	0.76
1.00E+00	0.82
1.00E+00	0.93
1.00E+00	0.86
1.00E+00	0.68
1.00E+00	0.58
1.00E+00	0.51
1.00E+00	1
1.00E+00	0.96

1.00E+00	1
1.00E+00	0.91
1.00E+00	0.86
1.00E+00	0.87
1.00E+00	0.93
1.00E+00	0.7
1.00E+00	0.95
1.00E+00	0.83
1.00E+00	0.75
1.00E+00	1
1.00E+00	0.96
1.00E+00	0.86
1.00E+00	0.87
1.00E+00	0.7
1.00E+00	0.95
1.00E+00	0.85
1.00E+00	0.78
1.00E+00	0.65
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.71
1.00E+00	0.79
1.00E+00	0.84
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.94
1.00E+00	0.95
1.00E+00	0.7
1.00E+00	0.65
1.00E+00	0.7
1.00E+00	0.89
1.00E+00	0.82
1.00E+00	0.95
1.00E+00	0.68
1.00E+00	0.66
1.00E+00	0.88
1.00E+00	0.96
1.00E+00	0.63
1.00E+00	0.8
1.00E+00	0.91

1.00E+00	0.72
1.00E+00	0.96
1.00E+00	0.86
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.4
1.00E+00	0.98
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.58
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.89
1.00E+00	0.92
1.00E+00	0.77
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.72
1.00E+00	1
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.59
1.00E+00	0.86
1.00E+00	0.95
1.00E+00	0.89
1.00E+00	0.79
1.00E+00	0.91
1.00E+00	0.93
1.00E+00	0.7
1.00E+00	0.88
1.00E+00	0.66
1.00E+00	0
1.00E+00	0.85
1.00E+00	0.75
1.00E+00	0.62
1.00E+00	0
1.00E+00	0.62
1.00E+00	0.69
1.00E+00	1
1.00E+00	0.98
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.58

1.00E+00	0.95
1.00E+00	1
1.00E+00	0.89
1.00E+00	0.92
1.00E+00	0.77
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.72
1.00E+00	1
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.59
1.00E+00	0.9
1.00E+00	0.86
1.00E+00	0.95
1.00E+00	0.89
1.00E+00	0.79
1.00E+00	0.91
1.00E+00	0.93
1.00E+00	0.7
1.00E+00	0.88
1.00E+00	0.66
1.00E+00	0
1.00E+00	0.85
1.00E+00	0.75
1.00E+00	0.62
1.00E+00	0
1.00E+00	0.62
1.00E+00	0.69
1.00E+00	1

1.00E+00	1
1.00E+00	0.93
1.00E+00	1
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.86
1.00E+00	0.86
1.00E+00	1
1.00E+00	0.92
1.00E+00	1
1.00E+00	0.84
1.00E+00	1
1.00E+00	0.63

1.00E+00	0.85
1.00E+00	0.57
1.00E+00	1
1.00E+00	1

1.00E+00	0.47
1.00E+00	0.65
1.00E+00	0.92
1.00E+00	0

1.00E+00	0.75
1.00E+00	0.87
1.00E+00	0.92
1.00E+00	1

1.00E+00	0.73
1.00E+00	0.56
1.00E+00	0.81

1.00E+00	0.98
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1.00E+00	1
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1.00E+00	0.6
1.00E+00	1
1.00E+00	1
1.00E+00	0.84
1.00E+00	0.92
1.00E+00	0.77
1.00E+00	0.61
1.00E+00	1

1.00E+00	0.75
1.00E+00	0.73
1.00E+00	0.92
1.00E+00	1
1.00E+00	0.57
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.88
1.00E+00	0.48
1.00E+00	0.93
1.00E+00	0.89
1.00E+00	0.91

1.00E+00	0.95
1.00E+00	0.81
1.00E+00	0.54
1.00E+00	1

1.00E+00	0.49
1.00E+00	0.85

1.00E+00	0.93
1.00E+00	0.84
1.00E+00	0.93
1.00E+00	0.54
1.00E+00	0.9
1.00E+00	0.68
1.00E+00	1
1.00E+00	0.97

1.00E+00	0.85
1.00E+00	0.68
1.00E+00	0.68
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.76

1.00E+00	0.59
1.00E+00	0.71
1.00E+00	0

1.00E+00	0.75
1.00E+00	0.91
1.00E+00	0.67
1.00E+00	1
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.65
1.00E+00	1
1.00E+00	0

1.00E+00	0.84
1.00E+00	1
1.00E+00	0.64
1.00E+00	1

1.00E+00	0.77
1.00E+00	0.91
1.00E+00	0.78
1.00E+00	0.86
1.00E+00	0.73
1.00E+00	0.66
1.00E+00	0.54
1.00E+00	0.78
1.00E+00	0.84
1.00E+00	1
1.00E+00	1
1.00E+00	0.97
1.00E+00	0.88
1.00E+00	0.84
1.00E+00	0.87

1.00E+00	1
1.00E+00	1
1.00E+00	0.98
1.00E+00	0.91
1.00E+00	1

1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.97
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.94
1.00E+00	0.89
1.00E+00	0.9
1.00E+00	0.93
1.00E+00	0.69
1.00E+00	0.72
1.00E+00	0.75
1.00E+00	0.64
1.00E+00	0.55
1.00E+00	0.67
1.00E+00	0.65
1.00E+00	0.71

1.00E+00	1
1.00E+00	1
1.00E+00	0.93

1.00E+00 0.95

1.00E+00 0.9

1.00E+00 0.95

1.00E+00 0.82

1.00E+00 0.62

1.00E+00 0.93

1.00E+00 0.87

1.00E+00 0.9

1.00E+00 0.81

1.00E+00 0.91

1.00E+00 0.91

1.00E+00 0.88

1.00E+00 0.73

1.00E+00 0.91

1.00E+00 0.86

1.00E+00 0.92

1.00E+00 0.94

1.00E+00 0.93

1.00E+00 1

1.00E+00 0.92

1.00E+00 0.9

1.00E+00 0

1.00E+00 0.78

1.00E+00 0.65

1.00E+00 0.82

1.00E+00 0.65

1.00E+00 0.84

1.00E+00 0.84

1.00E+00 0.87

1.00E+00 0.9

1.00E+00 0.66

1.00E+00 0.97

1.00E+00	0.6
1.00E+00	1
1.00E+00	0.86
1.00E+00	0.75
1.00E+00	0.86
1.00E+00	0.89
1.00E+00	0.93
1.00E+00	0.91
1.00E+00	0.65
1.00E+00	0.9
1.00E+00	0.96
1.00E+00	0.91
1.00E+00	0.71
1.00E+00	0.82
1.00E+00	0.78
1.00E+00	0.94
1.00E+00	0.78
1.00E+00	0.66
1.00E+00	0.87
1.00E+00	0.92
1.00E+00	0.91
1.00E+00	0.75
1.00E+00	0.76
1.00E+00	0.84
1.00E+00	0.87
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.74
1.00E+00	0.6
1.00E+00	0.9
1.00E+00	0.8
1.00E+00	1
1.00E+00	0.7
1.00E+00	0.48
1.00E+00	0.65
1.00E+00	1
1.00E+00	0.72
1.00E+00	0.95
1.00E+00	0.88
1.00E+00	0.89
1.00E+00	0.72
1.00E+00	0.64
1.00E+00	0.65

1.00E+00	0.86
1.00E+00	0.59
1.00E+00	0.61
1.00E+00	0.42
1.00E+00	0.71
1.00E+00	0.92
1.00E+00	0.81
1.00E+00	0.69
1.00E+00	0.9
1.00E+00	0.93
1.00E+00	0.86

1.00E+00	0.77
1.00E+00	0.86

1.00E+00	0.92
1.00E+00	0.86
1.00E+00	0.9
1.00E+00	0.92
1.00E+00	0.88
1.00E+00	0.83
1.00E+00	0.93
1.00E+00	0.63

1.00E+00	0.92
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1.00E+00	0.85
1.00E+00	0.86
1.00E+00	0.67
1.00E+00	0.81
1.00E+00	0.94
1.00E+00	0.83
1.00E+00	0.6
1.00E+00	0.58
1.00E+00	0.9
1.00E+00	0.93
1.00E+00	0.68
1.00E+00	0.68
1.00E+00	1

1.00E+00	0.89
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.9

1.00E+00	1
1.00E+00	0.78
1.00E+00	0.88
1.00E+00	0.93
1.00E+00	0.95
1.00E+00	0.94
1.00E+00	0.52
1.00E+00	1
1.00E+00	1

1.00E+00	0.9
1.00E+00	0.84
1.00E+00	0.71

1.00E+00	1
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1.00E+00	1
1.00E+00	0.92
1.00E+00	0.8
1.00E+00	1
1.00E+00	0.72
1.00E+00	0.97
1.00E+00	1

1.00E+00	0.79
1.00E+00	0.79
1.00E+00	0.86
1.00E+00	0.88
1.00E+00	0.89
1.00E+00	0.91
1.00E+00	0.73
1.00E+00	1

1.00E+00	1
1.00E+00	0.73
1.00E+00	0.91
1.00E+00	0.71

1.00E+00	0.91
1.00E+00	0.82
1.00E+00	0.69
1.00E+00	1
1.00E+00	0.82
1.00E+00	0.77
1.00E+00	0.91
1.00E+00	1
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.63

1.00E+00	0.74
1.00E+00	0.98
1.00E+00	0.81
1.00E+00	1
1.00E+00	1
1.00E+00	0.76
1.00E+00	0.64
1.00E+00	0.93

1.00E+00	0.91
1.00E+00	0.9
1.00E+00	0.67
1.00E+00	1
1.00E+00	0.74
1.00E+00	0.88
1.00E+00	0.6

1.00E+00	0.54
1.00E+00	0.73
1.00E+00	0.73
1.00E+00	0.78
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.91
1.00E+00	0.65
1.00E+00	0.9
1.00E+00	0.96
1.00E+00	0.91
1.00E+00	0.71
1.00E+00	0.82
1.00E+00	0.78
1.00E+00	0.8
1.00E+00	0.75
1.00E+00	0.82
1.00E+00	0.63
1.00E+00	0.74
1.00E+00	0.81

1.00E+00	0.93
1.00E+00	0.62
1.00E+00	0.94
1.00E+00	0.92
1.00E+00	0.81
1.00E+00	0.74
1.00E+00	0.94
1.00E+00	0.77

1.00E+00	0.68
1.00E+00	0.63
1.00E+00	0.8
1.00E+00	0.56
1.00E+00	0.67

1.00E+00	0.81
1.00E+00	0.94
1.00E+00	0.89

1.00E+00	0.81
1.00E+00	0.94
1.00E+00	0.65
1.00E+00	0.81

1.00E+00	0.82
1.00E+00	0.5
1.00E+00	0.75
1.00E+00	0.97

1.00E+00	0.87
1.00E+00	0.64
1.00E+00	0.65
1.00E+00	0.87
1.00E+00	0.71
1.00E+00	0.71
1.00E+00	0.88
1.00E+00	0.85
1.00E+00	0.79
1.00E+00	0.92
1.00E+00	0.75
1.00E+00	0.97
1.00E+00	0.93
1.00E+00	0.79
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.69

1.00E+00	0.9
1.00E+00	0.74
1.00E+00	0.57
1.00E+00	0.78
1.00E+00	0.64
1.00E+00	0.79
1.00E+00	0.68
1.00E+00	0.65

1.00E+00	0.89
1.00E+00	0.82
1.00E+00	0.7
1.00E+00	1
1.00E+00	0.9
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.87
1.00E+00	0.76

1.00E+00	0.46
1.00E+00	0.68
1.00E+00	0.63
1.00E+00	0.89
1.00E+00	0.68
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.8

1.00E+00	0.86
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.75
1.00E+00	0.97
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.94

1.00E+00	0.88
1.00E+00	0.55
1.00E+00	0.78

1.00E+00	0.83
1.00E+00	0.67

1.00E+00	0.86
1.00E+00	0.56
1.00E+00	0.72

1.00E+00	0.84
1.00E+00	0.77
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.69
1.00E+00	0.89
1.00E+00	0.77

1.00E+00	0.73
1.00E+00	0.63
1.00E+00	0.54
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.77
1.00E+00	0.58
1.00E+00	1
1.00E+00	1
1.00E+00	0.86
1.00E+00	0.91
1.00E+00	1
1.00E+00	1
1.00E+00	0.84
1.00E+00	0.95
1.00E+00	0
1.00E+00	1
1.00E+00	0.86
1.00E+00	1
1.00E+00	0.84
1.00E+00	0.94
1.00E+00	0.97
1.00E+00	0.81
1.00E+00	1
1.00E+00	0.94

1.00E+00	0.96
1.00E+00	0.75
1.00E+00	0.71
1.00E+00	0.57

1.00E+00	0.67
1.00E+00	0.89

1.00E+00	0.81
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1.00E+00	1
1.00E+00	0.67
1.00E+00	0.83
1.00E+00	0.84
1.00E+00	1
1.00E+00	0.84
1.00E+00	0.92
1.00E+00	1
1.00E+00	0.86
1.00E+00	0.71
1.00E+00	0.65
1.00E+00	0.95
1.00E+00	0.85
1.00E+00	0.47
1.00E+00	0.92
1.00E+00	1
1.00E+00	0.31
1.00E+00	0.83
1.00E+00	0.91
1.00E+00	0.7
1.00E+00	0.68
1.00E+00	0.79
1.00E+00	0.96
1.00E+00	0.93
1.00E+00	0.58
1.00E+00	0.77
1.00E+00	0
1.00E+00	0.86
1.00E+00	0.69
1.00E+00	0.71
1.00E+00	0.97
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.76
1.00E+00	0.7
1.00E+00	0.86
1.00E+00	0.8
1.00E+00	0.55
1.00E+00	0.84
1.00E+00	0.78
1.00E+00	0.8
1.00E+00	0.75
1.00E+00	1

1.00E+00	0.91
1.00E+00	0.81
1.00E+00	0.92
1.00E+00	0.89
1.00E+00	1
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.9

1.00E+00	0.75
1.00E+00	0.97
1.00E+00	0.69
1.00E+00	0.79

1.00E+00	0.9
1.00E+00	0.89
1.00E+00	0.98
1.00E+00	0.73

1.00E+00	0.94
1.00E+00	0.73
1.00E+00	1
1.00E+00	0.67
1.00E+00	1

1.00E+00	1
1.00E+00	0.73
1.00E+00	1

1.00E+00	0.92
1.00E+00	0.55

1.00E+00	0.88
1.00E+00	0.85
1.00E+00	0.77
1.00E+00	0.87
1.00E+00	0.7
1.00E+00	0.61
1.00E+00	0.52
1.00E+00	0.76
1.00E+00	0.81
1.00E+00	0.94
1.00E+00	0.62
1.00E+00	0.96

1.00E+00	0.56
1.00E+00	0.94

1.00E+00	0.56
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.96
1.00E+00	0.87
1.00E+00	0.87
1.00E+00	0.75
1.00E+00	1
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.88
1.00E+00	0.8
1.00E+00	1
1.00E+00	0.74
1.00E+00	0.74
1.00E+00	0.43
1.00E+00	0.87
1.00E+00	0.66
1.00E+00	0.47
1.00E+00	0.88
1.00E+00	0.84
1.00E+00	1
1.00E+00	0.89
1.00E+00	0.71
1.00E+00	1
1.00E+00	1
1.00E+00	0.66
1.00E+00	0.56
1.00E+00	0.9

1.00E+00	1
1.00E+00	1
1.00E+00	0.85
1.00E+00	0.85
1.00E+00	0.69
1.00E+00	1
1.00E+00	0.8
1.00E+00	0.85
1.00E+00	0.7
1.00E+00	0.86
1.00E+00	0.9
1.00E+00	0.88
1.00E+00	0.73
1.00E+00	0.86
1.00E+00	0.86
1.00E+00	0.91

1.00E+00	0.85
1.00E+00	0.74
1.00E+00	0.89
1.00E+00	0.91
1.00E+00	0.76
1.00E+00	1
1.00E+00	0.96
1.00E+00	0.75
1.00E+00	1

1.00E+00	0.93
1.00E+00	0.86
1.00E+00	0.77
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.81

1.00E+00	1
1.00E+00	0.95
1.00E+00	0.87
1.00E+00	1
1.00E+00	0.88
1.00E+00	0.62
1.00E+00	0.92
1.00E+00	0.81
1.00E+00	0.85
1.00E+00	0.84
1.00E+00	0.83
1.00E+00	0.82
1.00E+00	0.85
1.00E+00	0.94

1.00E+00	0.77
1.00E+00	0.87
1.00E+00	1

1.00E+00	0.95
1.00E+00	0.94
1.00E+00	1
1.00E+00	1

1.00E+00	0.55
1.00E+00	0.97

1.00E+00	0.78
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1.00E+00	0.95
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1.00E+00	0.77
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.74
1.00E+00	1
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.82
1.00E+00	0.8
1.00E+00	0.75
1.00E+00	1

1.00E+00	0.79
1.00E+00	1
1.00E+00	0.78
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.94
1.00E+00	0.64
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.67
1.00E+00	0.74
1.00E+00	1
1.00E+00	0.72
1.00E+00	0.77
1.00E+00	0.92
1.00E+00	0.68

1.00E+00	0.56
1.00E+00	1
1.00E+00	0.83
1.00E+00	0.96
1.00E+00	0.66
1.00E+00	1
1.00E+00	0.51
1.00E+00	1
1.00E+00	0.82
1.00E+00	0.68
1.00E+00	0.64

1.00E+00	0.72
1.00E+00	0.78
1.00E+00	0.84

1.00E+00	0.79
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1.00E+00	0.9
1.00E+00	1
1.00E+00	1
1.00E+00	0.94

1.00E+00	0.79
1.00E+00	0.79
1.00E+00	1
1.00E+00	1
1.00E+00	0.45
1.00E+00	0.7
1.00E+00	0.67
1.00E+00	0.73
1.00E+00	0.85
1.00E+00	0.58
1.00E+00	0.91
1.00E+00	0.6
1.00E+00	0.75

1.00E+00	0.85
1.00E+00	0.71
1.00E+00	0.95
1.00E+00	0.91
1.00E+00	0.98
1.00E+00	0.82
1.00E+00	0.95
1.00E+00	0.78
1.00E+00	0.64

1.00E+00	0.81
1.00E+00	1
1.00E+00	0.58
1.00E+00	0
1.00E+00	0.77
1.00E+00	0.76

1.00E+00	0.83
1.00E+00	0.88
1.00E+00	0.93

1.00E+00	0.98
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1.00E+00	0.53
1.00E+00	0.67
1.00E+00	0.7
1.00E+00	1
1.00E+00	0.79
1.00E+00	1
1.00E+00	0.47
1.00E+00	0.77
1.00E+00	0.73
1.00E+00	0.77
1.00E+00	0.76
1.00E+00	0.92
1.00E+00	0
1.00E+00	0.73
1.00E+00	1
1.00E+00	1
1.00E+00	0.87
1.00E+00	0.91
1.00E+00	0.94
1.00E+00	0.88
1.00E+00	0.84
1.00E+00	1
1.00E+00	0.97
1.00E+00	0.98
1.00E+00	0.92
1.00E+00	1
1.00E+00	0.89
1.00E+00	0.87
1.00E+00	0.94
1.00E+00	0.82
1.00E+00	0.54
1.00E+00	0.91
1.00E+00	0.38
1.00E+00	0.67
1.00E+00	0.78
1.00E+00	0.52
1.00E+00	0.74
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.8
1.00E+00	0.87
1.00E+00	0.76
1.00E+00	0.71
1.00E+00	1
1.00E+00	0.93

1.00E+00	0.72
1.00E+00	0.64
1.00E+00	0.83
1.00E+00	0.84
1.00E+00	0.75
1.00E+00	0.95
1.00E+00	0.8
1.00E+00	1
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.81
1.00E+00	0.91
1.00E+00	0.94
1.00E+00	0.45
1.00E+00	0.68
1.00E+00	0.8
1.00E+00	0.59
1.00E+00	0.8
1.00E+00	0.97
1.00E+00	0.86
1.00E+00	0.83
1.00E+00	0.56
1.00E+00	0.96
1.00E+00	0.63
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.82
1.00E+00	0.8
1.00E+00	0.94
1.00E+00	0.82
1.00E+00	0.87
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.45
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.56

1.00E+00	0.65
1.00E+00	1
1.00E+00	0.75
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.8
1.00E+00	0.82
1.00E+00	0.83
1.00E+00	0.61
1.00E+00	0.7
1.00E+00	0.81
1.00E+00	0.66
1.00E+00	0.8
1.00E+00	0.93
1.00E+00	0.94
1.00E+00	0.97
1.00E+00	0.62
1.00E+00	1
1.00E+00	0.69
1.00E+00	0.7
1.00E+00	0.69
1.00E+00	0.87
1.00E+00	0.64
1.00E+00	0.87
1.00E+00	0.61
1.00E+00	0.94
1.00E+00	0.84
1.00E+00	0.94
1.00E+00	0.93
1.00E+00	0.89
1.00E+00	0.92
1.00E+00	0.92
1.00E+00	0.94
1.00E+00	0.65
1.00E+00	0.91
1.00E+00	0.94
1.00E+00	0.6
1.00E+00	0.6
1.00E+00	0.7
1.00E+00	0.74
1.00E+00	0.85
1.00E+00	0.64

1.00E+00	0.77
1.00E+00	0.92
1.00E+00	0.95
1.00E+00	0.86
1.00E+00	0.78
1.00E+00	1
1.00E+00	0.93
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1.00E+00	0.85
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1.00E+00	0.59
1.00E+00	0.66
1.00E+00	0.84
1.00E+00	0.82
1.00E+00	0.65
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1.00E+00	0.97

1.00E+00	0.47
1.00E+00	0.86

1.00E+00	0.75
1.00E+00	0.63
1.00E+00	1
1.00E+00	0.92
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1.00E+00	0.97
1.00E+00	0.47
1.00E+00	0.86
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1.00E+00	1
1.00E+00	1
1.00E+00	0.75
1.00E+00	0.45
1.00E+00	0.78
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1.00E+00	0.57
1.00E+00	0.64
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1.00E+00	0.97
1.00E+00	0.68
1.00E+00	0.83
1.00E+00	0.94
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.75
1.00E+00	0.84
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.85
1.00E+00	0.98
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1.00E+00	0.91
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1.00E+00	0.81
1.00E+00	1
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1.00E+00	0.96
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1.00E+00	0.93
1.00E+00	0.93
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1.00E+00	0.88
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1.00E+00	0.96
1.00E+00	0.53

1.00E+00	1
1.00E+00	0.63
1.00E+00	0.63
1.00E+00	0.61
1.00E+00	0.74
1.00E+00	0.56
1.00E+00	0.51
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1.00E+00	1

1.00E+00	0.89
1.00E+00	0.86
1.00E+00	0.75
1.00E+00	0.68

1.00E+00	0.88
1.00E+00	0.87
1.00E+00	0.87
1.00E+00	0.9
1.00E+00	0.59

1.00E+00	0.89
1.00E+00	0.84
1.00E+00	0.88

1.00E+00	0.7
1.00E+00	0.86
1.00E+00	0.61
1.00E+00	0.95
1.00E+00	0.96
1.00E+00	0.78
1.00E+00	0.83
1.00E+00	0.83

1.00E+00	1
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1.00E+00	1
1.00E+00	0.97
1.00E+00	0.66
1.00E+00	1
1.00E+00	0.75
1.00E+00	0.9
1.00E+00	0.78

1.00E+00	0.68
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.83
1.00E+00	0.64
1.00E+00	0.83
1.00E+00	0.88
1.00E+00	0.7
1.00E+00	0.65
1.00E+00	0.93
1.00E+00	0.92
1.00E+00	0.91
1.00E+00	0.89

1.00E+00	1
1.00E+00	0.9
1.00E+00	0.86
1.00E+00	0.91
1.00E+00	0.59
1.00E+00	0.68
1.00E+00	0.86
1.00E+00	0.91
1.00E+00	0.83
1.00E+00	0.72
1.00E+00	0.66
1.00E+00	0.81

1.00E+00	0.75
1.00E+00	0.88
1.00E+00	0.89
1.00E+00	1
1.00E+00	0.76
1.00E+00	0.74
1.00E+00	0.89
1.00E+00	0.92
1.00E+00	0.65
1.00E+00	0.92
1.00E+00	0.87
1.00E+00	0.8
1.00E+00	1
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.84
1.00E+00	0.86

1.00E+00	1
1.00E+00	0.83
1.00E+00	0.87
1.00E+00	1
1.00E+00	0.98
1.00E+00	0.87
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.93
1.00E+00	0.8
1.00E+00	0.85
1.00E+00	0.64
1.00E+00	0.91
1.00E+00	0.78

1.00E+00	0.68
1.00E+00	0.52
1.00E+00	0.6
1.00E+00	0.53
1.00E+00	1
1.00E+00	0.52
1.00E+00	0.39
1.00E+00	0.73
1.00E+00	0.9

1.00E+00	0.94
1.00E+00	0.89

1.00E+00	1
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1.00E+00	0.92
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.97
1.00E+00	0.69
1.00E+00	0.71
1.00E+00	0.89
1.00E+00	0.92
1.00E+00	0.91
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.6
1.00E+00	0.84
1.00E+00	0.89
1.00E+00	0.67
1.00E+00	1
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.94
1.00E+00	0.71
1.00E+00	0.66
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.54
1.00E+00	0.63
1.00E+00	0.85
1.00E+00	0.9
1.00E+00	0.68
1.00E+00	0.86
1.00E+00	0.84
1.00E+00	0.87
1.00E+00	0
1.00E+00	0.82
1.00E+00	0.95
1.00E+00	0.97
1.00E+00	0.74
1.00E+00	0.89

1.00E+00	0.79
1.00E+00	0.84
1.00E+00	0.74
1.00E+00	0.93
1.00E+00	0.84
1.00E+00	0.63
1.00E+00	0.97
1.00E+00	0.73
1.00E+00	0
1.00E+00	0.84
1.00E+00	0.42
1.00E+00	0.83
1.00E+00	0.96
1.00E+00	0.92
1.00E+00	0.81
1.00E+00	0.66
1.00E+00	0.86
1.00E+00	0.75
1.00E+00	0.52
1.00E+00	0.88
1.00E+00	0.83
1.00E+00	0.9
1.00E+00	0.96
1.00E+00	0.85
1.00E+00	0.94
1.00E+00	0.92
1.00E+00	0.73
1.00E+00	0.49
1.00E+00	0.86
1.00E+00	0.91
1.00E+00	0.72
1.00E+00	0.63
1.00E+00	0.73
1.00E+00	0.87
1.00E+00	0.89
1.00E+00	0.54
1.00E+00	0.86
1.00E+00	0.85
1.00E+00	1
1.00E+00	0.89
1.00E+00	0.51
1.00E+00	0.89

1.00E+00	0.88
1.00E+00	0.94
1.00E+00	0.96
1.00E+00	0.79
1.00E+00	0.83

1.00E+00	0.51
1.00E+00	0.93

1.00E+00	0.98
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1.00E+00	0.82
1.00E+00	0.88
1.00E+00	0.85
1.00E+00	0.91
1.00E+00	0.74
1.00E+00	0.93

1.00E+00	0.75
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1.00E+00	0.87
1.00E+00	0.88

1.00E+00	0.75
1.00E+00	0.79
1.00E+00	0.81
1.00E+00	0.93
1.00E+00	0.92
1.00E+00	0.87

1.00E+00	0.66
1.00E+00	0.6
1.00E+00	0.85
1.00E+00	0.77
1.00E+00	0.87
1.00E+00	0.65
1.00E+00	0.82
1.00E+00	0.75

1.00E+00	0.73
1.00E+00	1
1.00E+00	0.81
1.00E+00	0.75
1.00E+00	0.63
1.00E+00	0.92
1.00E+00	0.67

1.00E+00	0.79
1.00E+00	0.94
1.00E+00	0.96
1.00E+00	0.93
1.00E+00	0.92
1.00E+00	0.9
1.00E+00	0.94
1.00E+00	0.77

1.00E+00	0.93
1.00E+00	0.92
1.00E+00	0.69
1.00E+00	0.78
1.00E+00	0.59
1.00E+00	0.83

1.00E+00	0.92
1.00E+00	0.57
1.00E+00	0.96
1.00E+00	0.63
1.00E+00	0.91
1.00E+00	0.82
1.00E+00	0.5
1.00E+00	0.76
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.82
1.00E+00	1
1.00E+00	0.91
1.00E+00	0

1.00E+00	0.82
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1.00E+00	0.67
1.00E+00	0.94
1.00E+00	0.87
1.00E+00	0.88
1.00E+00	0.63
1.00E+00	0.91

1.00E+00	0.6
1.00E+00	0.59
1.00E+00	0.66
1.00E+00	0.91
1.00E+00	0.75
1.00E+00	0.85
1.00E+00	0.91
1.00E+00	1

1.00E+00	0.79
1.00E+00	0.95
1.00E+00	1

1.00E+00	0
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1.00E+00	0.67
1.00E+00	0.87
1.00E+00	0.89
1.00E+00	0.91
1.00E+00	1
1.00E+00	0

1.00E+00	0.69
1.00E+00	0.87
1.00E+00	1
1.00E+00	0.92
1.00E+00	1
1.00E+00	1
1.00E+00	0.76
1.00E+00	0.68

1.00E+00	0.93
1.00E+00	0.81
1.00E+00	0.8
1.00E+00	0.95

1.00E+00	0.76
1.00E+00	0.89
1.00E+00	0.7

1.00E+00	0.84
1.00E+00	1
1.00E+00	0.67
1.00E+00	0.78
1.00E+00	1

1.00E+00	0.55
1.00E+00	0.69
1.00E+00	0.91

1.00E+00	0.74
1.00E+00	0

1.00E+00	0.97
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1.00E+00	0.96
1.00E+00	0.94
1.00E+00	0.89
1.00E+00	0.9
1.00E+00	0.93
1.00E+00	0.69
1.00E+00	0.72
1.00E+00	0.75
1.00E+00	0.64
1.00E+00	0.55
1.00E+00	0.67
1.00E+00	0.65
1.00E+00	0.71

1.00E+00	0.88
1.00E+00	0.8
1.00E+00	0.54
1.00E+00	0.97
1.00E+00	0.81
1.00E+00	0.79
1.00E+00	0.88
1.00E+00	0.96
1.00E+00	0.94
1.00E+00	0.86
1.00E+00	1
1.00E+00	0.89
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.82
1.00E+00	0.96
1.00E+00	0.98
1.00E+00	0.88
1.00E+00	0.68
1.00E+00	0.96
1.00E+00	0.91

1.00E+00	0.89
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1.00E+00	0.68
1.00E+00	0.95
1.00E+00	0.67
1.00E+00	1
1.00E+00	0.89
1.00E+00	1

1.00E+00	0.69
1.00E+00	0.92
1.00E+00	0.72
1.00E+00	0.89
1.00E+00	0.93
1.00E+00	0.94
1.00E+00	0.81
1.00E+00	1
1.00E+00	0.8
1.00E+00	1

1.00E+00	0.72
1.00E+00	1
1.00E+00	0.82
1.00E+00	0.71
1.00E+00	0.81
1.00E+00	0.87
1.00E+00	0.75
1.00E+00	0.81
1.00E+00	0.69
1.00E+00	0.92
1.00E+00	0.85
1.00E+00	0.9
1.00E+00	0.68
1.00E+00	0.9
1.00E+00	0.94
1.00E+00	0.61
1.00E+00	0.62
1.00E+00	0.64
1.00E+00	0.51
1.00E+00	0.94
1.00E+00	0.8
1.00E+00	1

1.00E+00	0.98
1.00E+00	1

1.00E+00	0.89
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1.00E+00	0.81
1.00E+00	0.91
1.00E+00	1
1.00E+00	1

1.00E+00	0.78
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1.00E+00	0.96
1.00E+00	1

1.00E+00	0.88
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1.00E+00	0.83
1.00E+00	1
1.00E+00	0.93

1.00E+00	0.83
1.00E+00	1

1.00E+00	0.93
1.00E+00	0.89
1.00E+00	0.86
1.00E+00	0.77
1.00E+00	0.88
1.00E+00	0.88
1.00E+00	0.8
1.00E+00	0
1.00E+00	0.76
1.00E+00	1
1.00E+00	0.57

1.00E+00	0.79
1.00E+00	0.93

1.00E+00	0.69
1.00E+00	0.68
1.00E+00	0.88
1.00E+00	0.61
1.00E+00	0.66
1.00E+00	0.92
1.00E+00	0.6
1.00E+00	0.78

1.00E+00	0.89
1.00E+00	0.82
1.00E+00	1

1.00E+00	0.61
1.00E+00	0.5
1.00E+00	0.8

1.00E+00	0.75
1.00E+00	0.91
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.84
1.00E+00	1
1.00E+00	1
1.00E+00	0.94

1.00E+00	0.96
1.00E+00	1
1.00E+00	1
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.88
1.00E+00	0.86
1.00E+00	0.75
1.00E+00	0.47
1.00E+00	0.59
1.00E+00	0.74

1.00E+00	0.9
1.00E+00	0.9

1.00E+00	0.81
1.00E+00	0.96
1.00E+00	1
1.00E+00	0.87
1.00E+00	0.83
1.00E+00	0.95
1.00E+00	0.95

1.00E+00	0.57
1.00E+00	0.8
1.00E+00	0.64
1.00E+00	0.72
1.00E+00	0.83
1.00E+00	0.78

1.00E+00	0.74
1.00E+00	0.73
1.00E+00	0.66
1.00E+00	0.63
1.00E+00	0.94
1.00E+00	0.81
1.00E+00	0.46

1.00E+00	1
1.00E+00	0.68
1.00E+00	1
1.00E+00	0.8
1.00E+00	0.81
1.00E+00	0.96
1.00E+00	0.82
1.00E+00	0.8
1.00E+00	0.93
1.00E+00	0.96
1.00E+00	0.81
1.00E+00	0.94
1.00E+00	0.94
1.00E+00	0.5
1.00E+00	1
1.00E+00	0.86
1.00E+00	0.91
1.00E+00	0.79
1.00E+00	0.87
1.00E+00	0.87
1.00E+00	0.76
1.00E+00	0.85
1.00E+00	0.6
1.00E+00	1
1.00E+00	0.59
1.00E+00	0.88
1.00E+00	0.63
1.00E+00	0.75
1.00E+00	0.74
1.00E+00	0.93
1.00E+00	1
1.00E+00	0.62
1.00E+00	0.81
1.00E+00	0.91
1.00E+00	0.78
1.00E+00	0.58
1.00E+00	0.63
1.00E+00	0.91
1.00E+00	0.93
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.73
1.00E+00	0.93
1.00E+00	0.84
1.00E+00	0.78

1.00E+00	0.8
1.00E+00	0.8
1.00E+00	0.71
1.00E+00	0.73
1.00E+00	0.86
1.00E+00	0.61
1.00E+00	0.88

1.00E+00	0.67
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1.00E+00	1
1.00E+00	0.7
1.00E+00	0.7
1.00E+00	0.92
1.00E+00	0.64
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.92
1.00E+00	0.56
1.00E+00	0.46
1.00E+00	0.83
1.00E+00	0.87
1.00E+00	0.73

1.00E+00	1
1.00E+00	0.8
1.00E+00	1
1.00E+00	0.78
1.00E+00	0.85

1.00E+00	0.96
1.00E+00	0.85
1.00E+00	0.92
1.00E+00	0.67
1.00E+00	1
1.00E+00	0.88

1.00E+00	0.71
1.00E+00	0.57
1.00E+00	0.82
1.00E+00	0.63

1.00E+00	0.74
1.00E+00	0.86
1.00E+00	0.97

1.00E+00	0.71
1.00E+00	0.88
1.00E+00	0.91
1.00E+00	0.66
1.00E+00	0.44
1.00E+00	0.76
1.00E+00	0.75
1.00E+00	1
1.00E+00	1
1.00E+00	0.86
1.00E+00	0.83
1.00E+00	0.95
1.00E+00	0.84
1.00E+00	0.76
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.79
1.00E+00	1
1.00E+00	0.75
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.75
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.96
1.00E+00	0.87
1.00E+00	0.84
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.96
1.00E+00	0.93
1.00E+00	0.84
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.87
1.00E+00	0.65
1.00E+00	1
1.00E+00	0.63
1.00E+00	0.76
1.00E+00	0.73
1.00E+00	1
1.00E+00	0.84
1.00E+00	0.8
1.00E+00	0.59
1.00E+00	0.68

1.00E+00	0.79
1.00E+00	1
1.00E+00	0.77
1.00E+00	1
1.00E+00	0.86
1.00E+00	0.86
1.00E+00	0.86
1.00E+00	0.86
1.00E+00	0.66

1.00E+00	0.79
1.00E+00	0.95
1.00E+00	0.71

1.00E+00	0.66
1.00E+00	0.89

1.00E+00	0.77
1.00E+00	1
1.00E+00	1
1.00E+00	0.88
1.00E+00	0.95
1.00E+00	0.71

1.00E+00	0.5
1.00E+00	0.95
1.00E+00	0.87
1.00E+00	0.93

1.00E+00	0.9
1.00E+00	0.89
1.00E+00	0.83
1.00E+00	0.67
1.00E+00	0.7
1.00E+00	0.9

1.00E+00	0.92
1.00E+00	1
1.00E+00	0.59
1.00E+00	1

1.00E+00	0.96
1.00E+00	0.96
1.00E+00	0.86
1.00E+00	1

1.00E+00	0.74
1.00E+00	0.59
1.00E+00	1
1.00E+00	0.74
1.00E+00	0.92
1.00E+00	0.7
1.00E+00	0.76
1.00E+00	0.87
1.00E+00	0.83
1.00E+00	0.53
1.00E+00	0.79
1.00E+00	0.61
1.00E+00	0.64
1.00E+00	0.6
1.00E+00	0.95
1.00E+00	0.84
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.85
1.00E+00	0.97
1.00E+00	0.86
1.00E+00	0.96
1.00E+00	0.87
1.00E+00	0.72
1.00E+00	0.76
1.00E+00	0.67
1.00E+00	0.68
1.00E+00	0.69
1.00E+00	0.62
1.00E+00	1
1.00E+00	0.79
1.00E+00	1
1.00E+00	0.79
1.00E+00	0.88
1.00E+00	0.59
1.00E+00	0.79
1.00E+00	0.86
1.00E+00	0.6
1.00E+00	0.82
1.00E+00	1

1.00E+00	0.6
1.00E+00	0.59

1.00E+00	0.79
1.00E+00	0.91
1.00E+00	0.95
1.00E+00	0.94
1.00E+00	0.76

1.00E+00	1
1.00E+00	0.76
1.00E+00	1
1.00E+00	0.94

1.00E+00	1
1.00E+00	0.55
1.00E+00	0.93
1.00E+00	1
1.00E+00	0.93

1.00E+00	1
1.00E+00	0.69
1.00E+00	0.59

1.00E+00	0.89
1.00E+00	0.72
1.00E+00	0.92
1.00E+00	0.95
1.00E+00	1

1.00E+00	0.63
1.00E+00	1
1.00E+00	0.76
1.00E+00	0.64

1.00E+00	0.94
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1.00E+00	1
1.00E+00	0.91

1.00E+00	0.96
1.00E+00	0.64
1.00E+00	0.91

1.00E+00 0.76

1.00E+00 0.79

1.00E+00 1

1.00E+00 0.94

1.00E+00 0.55

1.00E+00 1

1.00E+00 0.87

1.00E+00 0.75

1.00E+00 0.83

1.00E+00 0.68

1.00E+00 1

1.00E+00 1

1.00E+00 0.78

1.00E+00 0.79

1.00E+00 0.84

1.00E+00 0.92

1.00E+00 0.87

1.00E+00 0.79

1.00E+00 0.74

1.00E+00 0.77

1.00E+00 0.68

1.00E+00 1

1.00E+00 0.6

1.00E+00 0.82

1.00E+00 0.92

1.00E+00 0.93

1.00E+00 0.9

1.00E+00 1

1.00E+00 0.87

1.00E+00 0.87

1.00E+00 0.94

1.00E+00 0.94

1.00E+00 0.93

1.00E+00 0.93

1.00E+00 1

1.00E+00	1
1.00E+00	1
1.00E+00	0.77
1.00E+00	1
1.00E+00	1
1.00E+00	0.85
1.00E+00	0.92
1.00E+00	0.9
1.00E+00	0.94
1.00E+00	0.86
1.00E+00	0.91
1.00E+00	0.93
1.00E+00	0.92
1.00E+00	0.91
1.00E+00	0.93
1.00E+00	0.69
1.00E+00	0.94
1.00E+00	0.92
1.00E+00	0.76
1.00E+00	0.79
1.00E+00	0.71
1.00E+00	0.53
1.00E+00	0.71
1.00E+00	0.78
1.00E+00	0.87
1.00E+00	0.73
1.00E+00	0.79
1.00E+00	0.75
1.00E+00	0.94
1.00E+00	0.96
1.00E+00	0.65
1.00E+00	0.73
1.00E+00	0.78
1.00E+00	0.82
1.00E+00	0.81
1.00E+00	0.64
1.00E+00	0.8
1.00E+00	0.92
1.00E+00	0
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.59
1.00E+00	0.46

1.00E+00	1
1.00E+00	0.94
1.00E+00	0.78
1.00E+00	0.93

1.00E+00	1
1.00E+00	0.93
1.00E+00	0.76

1.00E+00	0.86
1.00E+00	0.86
1.00E+00	0.84

1.00E+00	0.87
1.00E+00	0.82

1.00E+00	0.89
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1.00E+00	0.85
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1.00E+00	0.7
1.00E+00	0.92
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.82
1.00E+00	0.95
1.00E+00	0.96
1.00E+00	0.87
1.00E+00	0.91
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.64
1.00E+00	0.78
1.00E+00	0.88
1.00E+00	0.91
1.00E+00	0.72
1.00E+00	0.76
1.00E+00	1

1.00E+00	0.58
1.00E+00	0.66
1.00E+00	0.74

1.00E+00	1
1.00E+00	0.8
1.00E+00	0.94
1.00E+00	0.88
1.00E+00	1
1.00E+00	0.85
1.00E+00	0.63
1.00E+00	0.93
1.00E+00	0.93
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.76
1.00E+00	0.96
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.97
1.00E+00	0.89
1.00E+00	0.85
1.00E+00	0.89
1.00E+00	0.74
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.84
1.00E+00	0.85
1.00E+00	0.74
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.91
1.00E+00	0.8
1.00E+00	0.6
1.00E+00	1
1.00E+00	0.61
1.00E+00	1
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.89
1.00E+00	1
1.00E+00	0.74
1.00E+00	0.8
1.00E+00	1
1.00E+00	0.78
1.00E+00	0.76
1.00E+00	0.6
1.00E+00	0.84
1.00E+00	0.71
1.00E+00	0.96
1.00E+00	0.74
1.00E+00	0.93
1.00E+00	0.59

1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.69
1.00E+00	0.91
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.94
1.00E+00	0.94
1.00E+00	0.92
1.00E+00	0.48
1.00E+00	0.96
1.00E+00	0.84
1.00E+00	0.85
1.00E+00	0.91
1.00E+00	0.93
1.00E+00	0.74
1.00E+00	0.97
1.00E+00	0.91
1.00E+00	0.98
1.00E+00	0.95
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.97
1.00E+00	0.97
1.00E+00	0.84
1.00E+00	0.83
1.00E+00	0.8
1.00E+00	0.86
1.00E+00	0.96
1.00E+00	0.9
1.00E+00	0.83
1.00E+00	0.78
1.00E+00	0.64
1.00E+00	0.73
1.00E+00	1
1.00E+00	1
1.00E+00	0.62
1.00E+00	0.78
1.00E+00	0.97
1.00E+00	0.92
1.00E+00	1
1.00E+00	1
1.00E+00	0.77
1.00E+00	0.88
1.00E+00	0.91
1.00E+00	0.57

1.00E+00	0.92
1.00E+00	0.64
1.00E+00	0.93
1.00E+00	0.88
1.00E+00	0.95
1.00E+00	0.61
1.00E+00	1
1.00E+00	0.84
1.00E+00	0.75
1.00E+00	0.85
1.00E+00	0.98
1.00E+00	0.63

1.00E+00	0.94
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1.00E+00	0.6
1.00E+00	0.82
1.00E+00	0.77

1.00E+00	0.53
1.00E+00	0.88
1.00E+00	0.47
1.00E+00	0.79
1.00E+00	0.86
1.00E+00	1
1.00E+00	0.88

1.00E+00	0.73
1.00E+00	0.85
1.00E+00	0.86
1.00E+00	0.78
1.00E+00	0.67
1.00E+00	0.71
1.00E+00	0.94
1.00E+00	0.47

1.00E+00	0.95
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1.00E+00	0.81
1.00E+00	0.74
1.00E+00	0.74
1.00E+00	0.89
1.00E+00	0.97
1.00E+00	0.95
1.00E+00	0.86

1.00E+00	0.41
1.00E+00	0.91
1.00E+00	0.9
1.00E+00	0.91
1.00E+00	0.76
1.00E+00	0.85
1.00E+00	0.64
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.67

1.00E+00	0.93
1.00E+00	0.83
1.00E+00	0.93
1.00E+00	0.78
1.00E+00	0.91
1.00E+00	0.87
1.00E+00	0.9

1.00E+00	0.98
1.00E+00	0.71
1.00E+00	0.82
1.00E+00	0.75
1.00E+00	0.78
1.00E+00	0.88
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.86
1.00E+00	0.91
1.00E+00	0.59
1.00E+00	0.68
1.00E+00	0.86
1.00E+00	0.91
1.00E+00	0.83
1.00E+00	0.72
1.00E+00	0.66
1.00E+00	0.81
1.00E+00	0.75
1.00E+00	0.95
1.00E+00	0.65
1.00E+00	0.93
1.00E+00	0.9

1.00E+00	0.71
1.00E+00	0.87
1.00E+00	0.87
1.00E+00	0.93

1.00E+00	0.94
1.00E+00	0.86
1.00E+00	0.92
1.00E+00	0.89
1.00E+00	0.63
1.00E+00	0.88
1.00E+00	0.91
1.00E+00	0.94
1.00E+00	0.74
1.00E+00	0.81
1.00E+00	0.72

1.00E+00	0.87
1.00E+00	1

1.00E+00	1
1.00E+00	0.95
1.00E+00	0.74
1.00E+00	0.76
1.00E+00	0.9
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.97
1.00E+00	0.61
1.00E+00	0.9
1.00E+00	0.62

1.00E+00	0.93
1.00E+00	0.97
1.00E+00	0.95
1.00E+00	0.7
1.00E+00	1
1.00E+00	1
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.92

1.00E+00	1
1.00E+00	0.88
1.00E+00	0.94
1.00E+00	0.92
1.00E+00	0.49
1.00E+00	0.86
1.00E+00	0.73

1.00E+00	0.81
1.00E+00	0.51
1.00E+00	0.69
1.00E+00	0.84

1.00E+00	0.74
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1.00E+00	0.94
1.00E+00	0.95
1.00E+00	0.88
1.00E+00	0.95
1.00E+00	0.92
1.00E+00	0.77
1.00E+00	0.81
1.00E+00	0.69
1.00E+00	0.78
1.00E+00	0.47
1.00E+00	0.6
1.00E+00	0.65
1.00E+00	0.66
1.00E+00	0.82
1.00E+00	0.91

1.00E+00	0.61
1.00E+00	0.79
1.00E+00	0.89

1.00E+00	1
1.00E+00	0.9
1.00E+00	0.85
1.00E+00	0.95
1.00E+00	0.83
1.00E+00	0.77
1.00E+00	0.93
1.00E+00	0.8
1.00E+00	1
1.00E+00	0.96
1.00E+00	0.91

1.00E+00	0.88
1.00E+00	0.56
1.00E+00	0.94
1.00E+00	0.84
1.00E+00	1
1.00E+00	0.93

1.00E+00	0.73
1.00E+00	1
1.00E+00	0.96
1.00E+00	0.72
1.00E+00	0.84
1.00E+00	0.71
1.00E+00	1
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.71
1.00E+00	0.88

1.00E+00	0.85
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1.00E+00	0.93
1.00E+00	0.95
1.00E+00	0.88
1.00E+00	0.91
1.00E+00	0.9
1.00E+00	0.83
1.00E+00	0.85
1.00E+00	0.83
1.00E+00	1
1.00E+00	0.63

1.00E+00	0.85
1.00E+00	0.57
1.00E+00	1
1.00E+00	0.67
1.00E+00	0.78
1.00E+00	0.69
1.00E+00	0.73
1.00E+00	0.51

1.00E+00	1
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1.00E+00	0.92
1.00E+00	0.94
1.00E+00	0.9
1.00E+00	0.9
1.00E+00	0.68
1.00E+00	0.44
1.00E+00	0.96
1.00E+00	0.67
1.00E+00	0.76
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.87

1.00E+00	0.66
1.00E+00	0.8
1.00E+00	0.94
1.00E+00	0.96
1.00E+00	0.72
1.00E+00	1

1.00E+00	0.45
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1.00E+00	0.81
1.00E+00	0.92
1.00E+00	0.73
1.00E+00	0.63

1.00E+00	0.77
1.00E+00	0.81
1.00E+00	0.84
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.72
1.00E+00	0.85
1.00E+00	0.89
1.00E+00	0.72

1.00E+00	0.79
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1.00E+00	0.92
1.00E+00	0.94
1.00E+00	0.81

1.00E+00	0.89
1.00E+00	0.69
1.00E+00	0.76

1.00E+00	0.86
1.00E+00	0.88
1.00E+00	0.97
1.00E+00	0.79
1.00E+00	0.9
1.00E+00	0.96
1.00E+00	1
1.00E+00	0.73
1.00E+00	0.72
1.00E+00	0.91
1.00E+00	0.69
1.00E+00	0.59
1.00E+00	0.66
1.00E+00	0.75
1.00E+00	0.9
1.00E+00	0.91
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.81
1.00E+00	0.91
1.00E+00	0.92
1.00E+00	0.79
1.00E+00	0.76
1.00E+00	0.6
1.00E+00	0.66
1.00E+00	0.62
1.00E+00	0.86

1.00E+00	0.83
1.00E+00	0.97
1.00E+00	0.91
1.00E+00	0.86
1.00E+00	1
1.00E+00	0.86
1.00E+00	0.8
1.00E+00	0.54
1.00E+00	1
1.00E+00	0.76
1.00E+00	0.94
1.00E+00	0.92
1.00E+00	0.83
1.00E+00	0.9
1.00E+00	0.68
1.00E+00	0.87
1.00E+00	0.66
1.00E+00	0.36
1.00E+00	0.56
1.00E+00	0.89
1.00E+00	0.81
1.00E+00	0.47

1.00E+00	0.71
1.00E+00	0.9
1.00E+00	0.68
1.00E+00	0.83
1.00E+00	0.55
1.00E+00	0.95
1.00E+00	0.78
1.00E+00	0.87
1.00E+00	0.68
1.00E+00	0.64
1.00E+00	0.65
1.00E+00	0.86

1.00E+00	0.77
1.00E+00	0.91
1.00E+00	0.69
1.00E+00	0.96
1.00E+00	0.66
1.00E+00	0.87

1.00E+00	0.82
1.00E+00	1
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.81
1.00E+00	0.74
1.00E+00	0.71
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.78
1.00E+00	0.82
1.00E+00	0.84

1.00E+00	0.54
1.00E+00	0.65
1.00E+00	0.84
1.00E+00	0.53
1.00E+00	0.82
1.00E+00	0.86
1.00E+00	0.81
1.00E+00	0.9
1.00E+00	0.97

1.00E+00	0.91
1.00E+00	0.66

1.00E+00	0.9
1.00E+00	0.74
1.00E+00	0.98
1.00E+00	0.9

1.00E+00	1
1.00E+00	1
1.00E+00	0.75
1.00E+00	0.82
1.00E+00	0.8
1.00E+00	1
1.00E+00	0.85
1.00E+00	0.67
1.00E+00	0.92
1.00E+00	0.81
1.00E+00	0.8
1.00E+00	0.69
1.00E+00	0.7
1.00E+00	0.7
1.00E+00	0.43
1.00E+00	0.68
1.00E+00	0.61
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.64
1.00E+00	0.48

1.00E+00	1
1.00E+00	0.96
1.00E+00	1
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.95
1.00E+00	0.61
1.00E+00	0.6
1.00E+00	0.87
1.00E+00	1
1.00E+00	0.84
1.00E+00	1
1.00E+00	0.78
1.00E+00	1
1.00E+00	0.78
1.00E+00	0.54

1.00E+00	0.7
1.00E+00	0.92
1.00E+00	0.92

1.00E+00	0.55
1.00E+00	1
1.00E+00	0.52

1.00E+00	0.92
1.00E+00	0.66
1.00E+00	0.81
1.00E+00	0.48

1.00E+00	1
1.00E+00	0.65
1.00E+00	1
1.00E+00	0.8
1.00E+00	0.7
1.00E+00	0.68
1.00E+00	0.91
1.00E+00	0.86
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.85
1.00E+00	0.52
1.00E+00	0.52
1.00E+00	0.92
1.00E+00	1

1.00E+00	0.68
1.00E+00	0.58
1.00E+00	0.7
1.00E+00	0.81
1.00E+00	0.91
1.00E+00	0.86
1.00E+00	0.87
1.00E+00	0.93
1.00E+00	0.7
1.00E+00	0.95

1.00E+00	0.94
1.00E+00	0.97
1.00E+00	0.97
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.9
1.00E+00	0.96
1.00E+00	0.96
1.00E+00	0.77
1.00E+00	0.72
1.00E+00	0.47
1.00E+00	0.69
1.00E+00	0.69

1.00E+00	0.92
1.00E+00	0.71
1.00E+00	0
1.00E+00	1
1.00E+00	0.84
1.00E+00	0.73
1.00E+00	0.72
1.00E+00	0.63
1.00E+00	0.86
1.00E+00	1
1.00E+00	0.59
1.00E+00	1
1.00E+00	0.87
1.00E+00	1
1.00E+00	0.84
1.00E+00	0.96
1.00E+00	1
1.00E+00	0.6
1.00E+00	0.86
1.00E+00	0.92
1.00E+00	0.91
1.00E+00	0.91
1.00E+00	0.97
1.00E+00	0.91
1.00E+00	0.66
1.00E+00	0.8
1.00E+00	0.86

1.00E+00	0
1.00E+00	0.67
1.00E+00	0.72

1.00E+00	0.76
1.00E+00	0.67

1.00E+00	0.88
1.00E+00	0.77
1.00E+00	0.95
1.00E+00	0.67
1.00E+00	0.78
1.00E+00	0.82
1.00E+00	0.82
1.00E+00	0
1.00E+00	0.94
1.00E+00	0.75
1.00E+00	0.88
1.00E+00	0.83
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.71
1.00E+00	0.96
1.00E+00	0.93
1.00E+00	0.76
1.00E+00	0.86
1.00E+00	0.8
1.00E+00	0.57
1.00E+00	0.79
1.00E+00	0.77
1.00E+00	1

1.00E+00	0.81
1.00E+00	0.94
1.00E+00	0.92
1.00E+00	0.96
1.00E+00	1

1.00E+00	1
1.00E+00	0.86
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.94
1.00E+00	0.74
1.00E+00	0.67
1.00E+00	0.85
1.00E+00	0.84
1.00E+00	0.58

1.00E+00	1
1.00E+00	0.93
1.00E+00	0.67

1.00E+00	0.83
1.00E+00	0.56
1.00E+00	1
1.00E+00	0.85

1.00E+00	0.79
1.00E+00	0.94
1.00E+00	0.89
1.00E+00	0.68
1.00E+00	0.69
1.00E+00	0.81
1.00E+00	0.57
1.00E+00	0.94
1.00E+00	0.9
1.00E+00	0.88
1.00E+00	0.67
1.00E+00	0.97
1.00E+00	0.92
1.00E+00	0.81
1.00E+00	1
1.00E+00	0.97
1.00E+00	0.91

1.00E+00	1
1.00E+00	1

1.00E+00	0.94
1.00E+00	0.9
1.00E+00	0.77
1.00E+00	0.81
1.00E+00	0.95
1.00E+00	0.96
1.00E+00	0.92
1.00E+00	0.6
1.00E+00	0.87
1.00E+00	0.82
1.00E+00	0.82

1.00E+00	0.54
1.00E+00	0.55
1.00E+00	0.86

1.00E+00	0.69
1.00E+00	1
1.00E+00	0.86
1.00E+00	1
1.00E+00	0.83
1.00E+00	0.81
1.00E+00	0.85
1.00E+00	0.81
1.00E+00	0.84
1.00E+00	0.67
1.00E+00	0.78
1.00E+00	0.72
1.00E+00	0.85
1.00E+00	0.95
1.00E+00	0.73
1.00E+00	0.78

1.00E+00	0.7
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1.00E+00	0.88
1.00E+00	0.7
1.00E+00	0.77
1.00E+00	0.74
1.00E+00	0.93
1.00E+00	0.92
1.00E+00	0.7
1.00E+00	1

1.00E+00	1
1.00E+00	0.88
1.00E+00	0.88
1.00E+00	1
1.00E+00	0.82
1.00E+00	0.73
1.00E+00	0.77
1.00E+00	0.55
1.00E+00	1
1.00E+00	1
1.00E+00	0.94

1.00E+00	0.69
1.00E+00	0.96

1.00E+00	0.59
1.00E+00	0.59
1.00E+00	0.63

1.00E+00	0.91
1.00E+00	1
1.00E+00	0.84
1.00E+00	0.74
1.00E+00	0.81
1.00E+00	0.58
1.00E+00	0.69
1.00E+00	0.73
1.00E+00	0.55
1.00E+00	1
1.00E+00	0.78
1.00E+00	0.78
1.00E+00	0.93
1.00E+00	1

1.00E+00	0.97
1.00E+00	1

1.00E+00	1
1.00E+00	0.87
1.00E+00	0.79
1.00E+00	0.85
1.00E+00	0.64
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.94

1.00E+00	0.94
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1.00E+00	0.91
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1.00E+00	0.91
1.00E+00	0.88

1.00E+00	0.73
1.00E+00	0.94

1.00E+00	0.98
1.00E+00	0.74
1.00E+00	0.92
1.00E+00	1
1.00E+00	1
1.00E+00	0.77
1.00E+00	0.68
1.00E+00	0.77
1.00E+00	0.81
1.00E+00	0.85
1.00E+00	0.81
1.00E+00	0.84
1.00E+00	0.67
1.00E+00	0.93
1.00E+00	0.78
1.00E+00	0.72
1.00E+00	0.85
1.00E+00	0.95
1.00E+00	0.73
1.00E+00	0.78
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.84
1.00E+00	0.93
1.00E+00	0.8
1.00E+00	0.92
1.00E+00	0.92
1.00E+00	1
1.00E+00	0.46
1.00E+00	0.97
1.00E+00	0.73
1.00E+00	0.72
1.00E+00	0.76
1.00E+00	1
1.00E+00	1
1.00E+00	0.79
1.00E+00	0.68
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.75
1.00E+00	0.94
1.00E+00	0.79
1.00E+00	0.76
1.00E+00	0.72
1.00E+00	0.74
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.88
1.00E+00	0.63

1.00E+00	0.54
1.00E+00	0.56
1.00E+00	1
1.00E+00	0.86
1.00E+00	0.89
1.00E+00	0.75
1.00E+00	0.92
1.00E+00	0.69
1.00E+00	0.73

1.00E+00	0.49
1.00E+00	1
1.00E+00	1
1.00E+00	0.89
1.00E+00	0.87
1.00E+00	1

1.00E+00	0
1.00E+00	0.82

1.00E+00	1
1.00E+00	0.92
1.00E+00	0.93
1.00E+00	0.77
1.00E+00	0.82
1.00E+00	0.52
1.00E+00	0.73
1.00E+00	0.98
1.00E+00	0.86
1.00E+00	0.74
1.00E+00	0.58
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.92
1.00E+00	0.87
1.00E+00	0.73
1.00E+00	0.83
1.00E+00	0.67
1.00E+00	0.52
1.00E+00	0.7
1.00E+00	0.86
1.00E+00	0.82

1.00E+00	0.96
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1.00E+00	0.64
1.00E+00	0.6

1.00E+00	0.93
1.00E+00	0.8
1.00E+00	0.9
1.00E+00	0.67
1.00E+00	0.87
1.00E+00	0.56
1.00E+00	0.76
1.00E+00	0.43
1.00E+00	0.87
1.00E+00	0.56
1.00E+00	1
1.00E+00	0.72
1.00E+00	0.88
1.00E+00	1
1.00E+00	0.53
1.00E+00	0.87
1.00E+00	0.73
1.00E+00	0.59
1.00E+00	0.83
1.00E+00	0.96
1.00E+00	0.9
1.00E+00	0.82
1.00E+00	0.7
1.00E+00	1
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.87
1.00E+00	0.97
1.00E+00	0.84
1.00E+00	1
1.00E+00	0.89
1.00E+00	0.86
1.00E+00	0.97
1.00E+00	0.84
1.00E+00	0.85
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.92
1.00E+00	0.61

1.00E+00	0.62
1.00E+00	0.97
1.00E+00	0.86
1.00E+00	0.93
1.00E+00	0.87
1.00E+00	0.86
1.00E+00	0.91
1.00E+00	0.78
1.00E+00	1
1.00E+00	0.52
1.00E+00	0.96
1.00E+00	0.95
1.00E+00	0.68
1.00E+00	0.92
1.00E+00	0.68
1.00E+00	0.94
1.00E+00	0.9
1.00E+00	0.87
1.00E+00	0.9
1.00E+00	0.75
1.00E+00	0.78
1.00E+00	0.7
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.82
1.00E+00	0.9
1.00E+00	0.66
1.00E+00	1
1.00E+00	1
1.00E+00	0.47
1.00E+00	0.72
1.00E+00	0.89
1.00E+00	0.68
1.00E+00	0.9
1.00E+00	0.69
1.00E+00	1
1.00E+00	0.63

1.00E+00	0.89
1.00E+00	0.84
1.00E+00	0.97
1.00E+00	1
1.00E+00	0.8
1.00E+00	0.92
1.00E+00	0.91
1.00E+00	0.72

1.00E+00	0.84
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.89
1.00E+00	0.59
1.00E+00	1
1.00E+00	0.87
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.87
1.00E+00	0.88
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.45
1.00E+00	0.92
1.00E+00	0.77

1.00E+00	0.84
1.00E+00	0.8

1.00E+00	0.94
1.00E+00	0.68
1.00E+00	0.95
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.58
1.00E+00	0.64
1.00E+00	0.89
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.73
1.00E+00	0.76
1.00E+00	0.91
1.00E+00	0.93
1.00E+00	0.97
1.00E+00	0.94

1.00E+00	0.65
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1.00E+00	0.6
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1.00E+00	0.66
1.00E+00	0.88
1.00E+00	0
1.00E+00	0.88
1.00E+00	0.83
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.8
1.00E+00	0.93
1.00E+00	0.88
1.00E+00	0.74
1.00E+00	0.97
1.00E+00	1
1.00E+00	0.84
1.00E+00	0.84
1.00E+00	0.96
1.00E+00	0.68
1.00E+00	0.49
1.00E+00	0.66
1.00E+00	0.8
1.00E+00	0.89
1.00E+00	1
1.00E+00	0.57
1.00E+00	0.69
1.00E+00	0.72
1.00E+00	0
1.00E+00	0.8
1.00E+00	0.87
1.00E+00	0.81
1.00E+00	0.79
1.00E+00	0.72
1.00E+00	0.83
1.00E+00	0.76
1.00E+00	0.91
1.00E+00	0.97
1.00E+00	0.95
1.00E+00	0.85
1.00E+00	0.78
1.00E+00	0.86
1.00E+00	0.81
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.79
1.00E+00	0.88
1.00E+00	0.66
1.00E+00	0.64
1.00E+00	0.8

1.00E+00	1
1.00E+00	0.96
1.00E+00	0.48
1.00E+00	1
1.00E+00	1
1.00E+00	0.84
1.00E+00	0.85
1.00E+00	0.59
1.00E+00	0.83
1.00E+00	1
1.00E+00	1
1.00E+00	0.85

1.00E+00	0.84
1.00E+00	1
1.00E+00	0.78
1.00E+00	0.71
1.00E+00	1
1.00E+00	1
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.86
1.00E+00	0.97
1.00E+00	0.75
1.00E+00	0.9

1.00E+00	0.63
1.00E+00	0.69
1.00E+00	0.73
1.00E+00	0.79
1.00E+00	0.84

1.00E+00	1
1.00E+00	0.93
1.00E+00	0.53

1.00E+00	0.57
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1.00E+00	0.84
1.00E+00	1
1.00E+00	1

1.00E+00	0.98
1.00E+00	1
1.00E+00	1
1.00E+00	0.53
1.00E+00	0.61
1.00E+00	0.57
1.00E+00	0.85
1.00E+00	1
1.00E+00	0.8

1.00E+00	0.66
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1.00E+00	0.74
1.00E+00	0.92
1.00E+00	0.76
1.00E+00	0.9
1.00E+00	0.82
1.00E+00	0.93
1.00E+00	0.72
1.00E+00	0.94
1.00E+00	0.85
1.00E+00	1

1.00E+00	0.42
1.00E+00	0.64
1.00E+00	0.88
1.00E+00	0.73
1.00E+00	0.75
1.00E+00	1
1.00E+00	0.58
1.00E+00	0.76

1.00E+00	1
1.00E+00	1
1.00E+00	0.74
1.00E+00	0.93
1.00E+00	0.48
1.00E+00	0.47
1.00E+00	1
1.00E+00	0.65
1.00E+00	0.66
1.00E+00	0.91
1.00E+00	0.67
1.00E+00	0.74
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.9

1.00E+00	0.93
1.00E+00	0.92
1.00E+00	0.98
1.00E+00	0.96
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.56
1.00E+00	0.96
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.81
1.00E+00	0.64
1.00E+00	1
1.00E+00	0.91
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.88
1.00E+00	0.95
1.00E+00	0.94
1.00E+00	0.6
1.00E+00	0.91
1.00E+00	0.86
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.59
1.00E+00	0.62
1.00E+00	0.92
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.66
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.51
1.00E+00	0.74
1.00E+00	1
1.00E+00	0.65

1.00E+00	0.59
1.00E+00	0.77
1.00E+00	0.48

1.00E+00	1
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1.00E+00	0.94
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1.00E+00	1
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1.00E+00	0.58
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1.00E+00	0.52
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1.00E+00	0.86
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1.00E+00	0.53
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1.00E+00	0.84
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1.00E+00	1
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1.00E+00	0.77
1.00E+00	1
1.00E+00	0.92

1.00E+00	0.77
1.00E+00	0.59
1.00E+00	0.53

1.00E+00	0.92
1.00E+00	0.83
1.00E+00	0.82
1.00E+00	0.96
1.00E+00	0.85
1.00E+00	0.7
1.00E+00	0.83
1.00E+00	0.64

1.00E+00	0.86
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1.00E+00	0.93
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1.00E+00	0.65
1.00E+00	0.69
1.00E+00	1
1.00E+00	0.96
1.00E+00	1
1.00E+00	0.65
1.00E+00	0.81
1.00E+00	0.7
1.00E+00	0.56

1.00E+00	0.91
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1.00E+00	0.66
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1.00E+00	0.71
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1.00E+00	0.85
1.00E+00	0.84
1.00E+00	0.98
1.00E+00	0.83
1.00E+00	0
1.00E+00	0.95
1.00E+00	0
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.69

1.00E+00	0.72
1.00E+00	1
1.00E+00	0.89
1.00E+00	0.55
1.00E+00	0.84
1.00E+00	0.71
1.00E+00	0.9
1.00E+00	0.91
1.00E+00	0.79
1.00E+00	0.72
1.00E+00	0.84
1.00E+00	0.93
1.00E+00	0.75
1.00E+00	0.95
1.00E+00	0.86
1.00E+00	0.74
1.00E+00	0.56
1.00E+00	0.94
1.00E+00	0.88
1.00E+00	0.72
1.00E+00	0.94

1.00E+00	0.87
1.00E+00	0.92

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1.00E+00	0.84
1.00E+00	1
1.00E+00	0.7
1.00E+00	1
1.00E+00	0.63
1.00E+00	1
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.75
1.00E+00	0.78
1.00E+00	0.7
1.00E+00	0.71
1.00E+00	0.88
1.00E+00	0.64
1.00E+00	0.86
1.00E+00	1
1.00E+00	0.74

1.00E+00	0.48
1.00E+00	0.82
1.00E+00	0.66
1.00E+00	1
1.00E+00	0.73
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.9
1.00E+00	0.89
1.00E+00	0.64
1.00E+00	0.83
1.00E+00	1
1.00E+00	0.86
1.00E+00	0.91
1.00E+00	0.84
1.00E+00	0.66
1.00E+00	1
1.00E+00	0.75
1.00E+00	0.95
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.7
1.00E+00	0.93
1.00E+00	0.87
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.75
1.00E+00	0.62
1.00E+00	1
1.00E+00	0.72
1.00E+00	0.74
1.00E+00	0.78
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1.00E+00	0.89
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1.00E+00	0.96
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1.00E+00	0.84
1.00E+00	0.88

1.00E+00	1
1.00E+00	0.69
1.00E+00	0.87
1.00E+00	0.61
1.00E+00	0.7
1.00E+00	0.74
1.00E+00	1

1.00E+00	0.93
1.00E+00	0.71
1.00E+00	0.55
1.00E+00	0.54
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.84
1.00E+00	0.83
1.00E+00	0.75
1.00E+00	0.85
1.00E+00	0.75
1.00E+00	0.93

1.00E+00	1
1.00E+00	0.92

1.00E+00	0.58
1.00E+00	0.51
1.00E+00	0.8
1.00E+00	0.69

1.00E+00	0.94
1.00E+00	0.89
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.6

1.00E+00	1
1.00E+00	0.74

1.00E+00	0.5
1.00E+00	0.72

1.00E+00	0.95
1.00E+00	0.59
1.00E+00	0.65
1.00E+00	0.62
1.00E+00	0.76
1.00E+00	0.86
1.00E+00	1
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.75
1.00E+00	0.68
1.00E+00	0.95
1.00E+00	0.91
1.00E+00	0.68
1.00E+00	0.95
1.00E+00	0.93
1.00E+00	0.79
1.00E+00	0.51
1.00E+00	0.81
1.00E+00	0.89
1.00E+00	0.69
1.00E+00	0.86
1.00E+00	0.92
1.00E+00	0.96
1.00E+00	0.85
1.00E+00	1
1.00E+00	0.42
1.00E+00	0.77
1.00E+00	0.67
1.00E+00	1
1.00E+00	1
1.00E+00	0.93
1.00E+00	1
1.00E+00	0.65
1.00E+00	0.58
1.00E+00	0.9
1.00E+00	0.81
1.00E+00	0.95
1.00E+00	1
1.00E+00	1
1.00E+00	0.75
1.00E+00	1
1.00E+00	0.83
1.00E+00	0.56
1.00E+00	0.67
1.00E+00	0.8

1.00E+00	0.88
1.00E+00	0.8
1.00E+00	1
1.00E+00	0.73
1.00E+00	0.88
1.00E+00	0.82
1.00E+00	0.83
1.00E+00	0.61
1.00E+00	0.81
1.00E+00	0.66
1.00E+00	0.8
1.00E+00	0.89
1.00E+00	0.94
1.00E+00	0.92
1.00E+00	0.94
1.00E+00	0.7
1.00E+00	0.98
1.00E+00	0.73
1.00E+00	0.9
1.00E+00	0.94
1.00E+00	0.84
1.00E+00	0.47
1.00E+00	0.82
1.00E+00	0.82
1.00E+00	0.78
1.00E+00	0.56
1.00E+00	0.8
1.00E+00	0.77
1.00E+00	1
1.00E+00	0.86
1.00E+00	0.79
1.00E+00	0.55
1.00E+00	1
1.00E+00	0.79
1.00E+00	0.86
1.00E+00	0.86
1.00E+00	1
1.00E+00	1

1.00E+00	0.83
1.00E+00	0.66
1.00E+00	1
1.00E+00	0.5
1.00E+00	1
1.00E+00	0.75
1.00E+00	1

1.00E+00	1
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.89
1.00E+00	1

1.00E+00	0.8
1.00E+00	1
1.00E+00	0.74
1.00E+00	1
1.00E+00	1

1.00E+00	0.65
1.00E+00	0.51

1.00E+00	0.48
1.00E+00	0.63
1.00E+00	0.59
1.00E+00	0.85
1.00E+00	0.86
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.93
1.00E+00	0.45
1.00E+00	0.62
1.00E+00	1

1.00E+00	0.67
1.00E+00	0.72

1.00E+00	0.51
1.00E+00	1
1.00E+00	0.81

1.00E+00	0.92
1.00E+00	0.78
1.00E+00	0.85
1.00E+00	0.67
1.00E+00	1

1.00E+00	1
1.00E+00	0.55

1.00E+00	0.78
1.00E+00	0.69
1.00E+00	1
1.00E+00	0.75
1.00E+00	0.71
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.97
1.00E+00	0.83
1.00E+00	0.96
1.00E+00	0.93
1.00E+00	0.95
1.00E+00	1

1.00E+00	0.92
1.00E+00	0.7
1.00E+00	1
1.00E+00	0.94

1.00E+00	0.71
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1.00E+00	0.87
1.00E+00	0.69
1.00E+00	1
1.00E+00	0.49
1.00E+00	0.93
1.00E+00	0.94
1.00E+00	0.65
1.00E+00	0.57
1.00E+00	0.91

1.00E+00	0.8
1.00E+00	0.86
1.00E+00	0.92
1.00E+00	0.92
1.00E+00	0.98
1.00E+00	0.64
1.00E+00	0.62
1.00E+00	0.88
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.9
1.00E+00	0.52
1.00E+00	0.9
1.00E+00	1
1.00E+00	1
1.00E+00	0.84
1.00E+00	1
1.00E+00	0.53
1.00E+00	0.61
1.00E+00	0.63
1.00E+00	0.74
1.00E+00	0.68
1.00E+00	0.89
1.00E+00	0.89
1.00E+00	0.82
1.00E+00	0.82
1.00E+00	0.83
1.00E+00	0.94
1.00E+00	0.94
1.00E+00	0.77
1.00E+00	0.61
1.00E+00	0.74
1.00E+00	0.8
1.00E+00	0.8
1.00E+00	0.79
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1.00E+00	0.89
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1.00E+00	0.78
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1.00E+00	0.63

1.00E+00	0.74
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.91
1.00E+00	0.8
1.00E+00	0.6
1.00E+00	1
1.00E+00	0.61
1.00E+00	1
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.89
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1.00E+00	0.74
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1.00E+00	1
1.00E+00	0.78
1.00E+00	0.76
1.00E+00	0.6
1.00E+00	0.84
1.00E+00	0.71
1.00E+00	0.96
1.00E+00	0.74
1.00E+00	0.93
1.00E+00	0.59
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.95
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1.00E+00	0.89
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1.00E+00	0.81
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1.00E+00	0.92
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1.00E+00	0.81
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1.00E+00	0.89
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1.00E+00	0.74
1.00E+00	0.93
1.00E+00	0.59
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.95
1.00E+00	0.89
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1.00E+00	0.8
1.00E+00	0.97
1.00E+00	0.73
1.00E+00	0.75
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1.00E+00	0.59
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1.00E+00	1
1.00E+00	0.93
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1.00E+00	0.91
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.94
1.00E+00	0.94
1.00E+00	0.94
1.00E+00	0.92
1.00E+00	0.48
1.00E+00	0.96
1.00E+00	0.84
1.00E+00	0.85
1.00E+00	1
1.00E+00	1
1.00E+00	0.64
1.00E+00	0.57
1.00E+00	1
1.00E+00	0.7
1.00E+00	0.91
1.00E+00	0.75
1.00E+00	0.53
1.00E+00	0.87
1.00E+00	0.88

1.00E+00	0.68
1.00E+00	0.83
1.00E+00	0.91
1.00E+00	0.81
1.00E+00	1

1.00E+00	0.6
1.00E+00	1
1.00E+00	0.83
1.00E+00	1
1.00E+00	0.93
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1.00E+00	0.94
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1.00E+00	0.89
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.69
1.00E+00	0.73
1.00E+00	0.67

1.00E+00	0.85
1.00E+00	0.94
1.00E+00	0.82
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1.00E+00	0.91
1.00E+00	0.82
1.00E+00	0.77
1.00E+00	1
1.00E+00	1
1.00E+00	0.83
1.00E+00	0.92
1.00E+00	0.57
1.00E+00	0.48
1.00E+00	0.86
1.00E+00	0.62

1.00E+00	0.85
1.00E+00	0.78
1.00E+00	0.65
1.00E+00	0.81
1.00E+00	0.86

1.00E+00	0.52
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1.00E+00	0.79
1.00E+00	0.9
1.00E+00	1

1.00E+00	1
1.00E+00	0.89
1.00E+00	0.92
1.00E+00	0.72
1.00E+00	0.82

1.00E+00	0.85
1.00E+00	0.88
1.00E+00	0.92
1.00E+00	0.89
1.00E+00	0.56
1.00E+00	0.74
1.00E+00	0.95
1.00E+00	0.95

1.00E+00	0.63
1.00E+00	0.68
1.00E+00	1
1.00E+00	0.82
1.00E+00	1
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.72
1.00E+00	1
1.00E+00	0.86
1.00E+00	0.9
1.00E+00	0.54
1.00E+00	0.94
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1.00E+00	0.91
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1.00E+00	0.74
1.00E+00	0.89
1.00E+00	1
1.00E+00	0.71

1.00E+00	1
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1.00E+00	0.92
1.00E+00	0.89
1.00E+00	0.89
1.00E+00	0.45

1.00E+00	0.9
1.00E+00	0.86
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1.00E+00	0.83
1.00E+00	0.95
1.00E+00	0.75
1.00E+00	0.56
1.00E+00	0.84

1.00E+00	0.7
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1.00E+00	0.82
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1.00E+00	0.96
1.00E+00	0.95
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1.00E+00	0.97
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1.00E+00	0.87
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1.00E+00	0.78
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1.00E+00	0.98
1.00E+00	1
1.00E+00	0.88
1.00E+00	0.86
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1.00E+00	0.8
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1.00E+00	0.9
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1.00E+00	0.72
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1.00E+00	0.96
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1.00E+00	0.76
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1.00E+00	0.87

1.00E+00	0.91
1.00E+00	0.83
1.00E+00	0.48
1.00E+00	0.76
1.00E+00	0.83
1.00E+00	0.95
1.00E+00	0.81
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.97
1.00E+00	0.97
1.00E+00	0.85
1.00E+00	0.91

1.00E+00	0.94
1.00E+00	0.96
1.00E+00	0.93

1.00E+00	0.45
1.00E+00	0.87
1.00E+00	0.75
1.00E+00	0.85
1.00E+00	0.95

1.00E+00	0.8
1.00E+00	0.89
1.00E+00	0.81

1.00E+00	1
1.00E+00	0.83
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.87

1.00E+00	1
1.00E+00	0.75
1.00E+00	1
1.00E+00	0.76
1.00E+00	0.87
1.00E+00	0.71
1.00E+00	0.88
1.00E+00	0.85
1.00E+00	0.79
1.00E+00	0.92
1.00E+00	0.93
1.00E+00	0.79
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.69

1.00E+00	0.84
1.00E+00	0.7
1.00E+00	0.89
1.00E+00	0.81
1.00E+00	0.88
1.00E+00	0.9
1.00E+00	0.51
1.00E+00	0.5
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.93
1.00E+00	1
1.00E+00	0.88
1.00E+00	1
1.00E+00	0.55
1.00E+00	0.73
1.00E+00	0.74

1.00E+00	0.78
1.00E+00	0.84

1.00E+00	0.9
1.00E+00	0.97
1.00E+00	1
1.00E+00	0.8
1.00E+00	1
1.00E+00	0.61
1.00E+00	0.73
1.00E+00	0.75
1.00E+00	0.72
1.00E+00	0.74
1.00E+00	0.94

1.00E+00	0.46
1.00E+00	0.84
1.00E+00	0.76
1.00E+00	0.89

1.00E+00	0.9
1.00E+00	0.83

1.00E+00	0.79
1.00E+00	0.94
1.00E+00	0.71
1.00E+00	0.61
1.00E+00	0.93
1.00E+00	0.88
1.00E+00	0.94

1.00E+00	0.89
1.00E+00	1

1.00E+00	0.57
1.00E+00	0.78
1.00E+00	0.94
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.67
1.00E+00	0.74
1.00E+00	0.89
1.00E+00	1
1.00E+00	1
1.00E+00	0.68

1.00E+00	0.56
1.00E+00	1
1.00E+00	0.83

1.00E+00	0.96
1.00E+00	0.66
1.00E+00	1
1.00E+00	0.74
1.00E+00	0.93
1.00E+00	0.83
1.00E+00	0.81
1.00E+00	0.85
1.00E+00	0.81
1.00E+00	0.84
1.00E+00	0.67
1.00E+00	0.78
1.00E+00	0.72
1.00E+00	0.85
1.00E+00	0.95
1.00E+00	0.73
1.00E+00	0.78

1.00E+00	0.78
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.74
1.00E+00	0.94
1.00E+00	0.93

1.00E+00	0.77
1.00E+00	0.81
1.00E+00	1
1.00E+00	0.51
1.00E+00	0.99
1.00E+00	0.82
1.00E+00	0.96
1.00E+00	0.86

1.00E+00	0.84
1.00E+00	1
1.00E+00	0.82
1.00E+00	0.89
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.78

1.00E+00	0.8
1.00E+00	0.52
1.00E+00	0.83
1.00E+00	1

1.00E+00	1
1.00E+00	0.63
1.00E+00	0.57
1.00E+00	0.98
1.00E+00	1
1.00E+00	0.65
1.00E+00	0.72

1.00E+00	1
1.00E+00	1
1.00E+00	0.76

1.00E+00	0.8
1.00E+00	0.87
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.8

1.00E+00	0.71
1.00E+00	0.86
1.00E+00	0
1.00E+00	0.83
1.00E+00	0.81
1.00E+00	0.76
1.00E+00	0.95
1.00E+00	0.74
1.00E+00	0.94
1.00E+00	0.91

1.00E+00	0.94
1.00E+00	0.94
1.00E+00	0.71
1.00E+00	1

1.00E+00	1
1.00E+00	1
1.00E+00	0.76
1.00E+00	0.66
1.00E+00	0.95
1.00E+00	0.92
1.00E+00	0.98
1.00E+00	0.73

1.00E+00	0.51
1.00E+00	0.91

1.00E+00	0.82
1.00E+00	0.72
1.00E+00	0.81
1.00E+00	0.67
1.00E+00	0.8
1.00E+00	0.49
1.00E+00	0.87
1.00E+00	0.4
1.00E+00	0.54
1.00E+00	0.76
1.00E+00	0.63
1.00E+00	0.45
1.00E+00	0.57
1.00E+00	0.55
1.00E+00	0.95
1.00E+00	0.77
1.00E+00	0.63
1.00E+00	0.65
1.00E+00	0.56
1.00E+00	1
1.00E+00	0.88
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.87
1.00E+00	0.69
1.00E+00	1
1.00E+00	0.72
1.00E+00	0.84
1.00E+00	1
1.00E+00	0.81
1.00E+00	0.88
1.00E+00	1
1.00E+00	0.76
1.00E+00	0.94
1.00E+00	0.88
1.00E+00	0.64
1.00E+00	1
1.00E+00	0.72
1.00E+00	0.85
1.00E+00	1
1.00E+00	0.89
1.00E+00	0.98
1.00E+00	0.91

1.00E+00	0.94
1.00E+00	0.8
1.00E+00	0.78
1.00E+00	0.94
1.00E+00	0.95
1.00E+00	0.74
1.00E+00	0.96
1.00E+00	0.89
1.00E+00	0.89
1.00E+00	0.52
1.00E+00	0.5
1.00E+00	0.72
1.00E+00	1
1.00E+00	1

1.00E+00	0.81
1.00E+00	0.91
1.00E+00	0.91
1.00E+00	0.69
1.00E+00	0.92
1.00E+00	0.93
1.00E+00	1

1.00E+00	0.92
1.00E+00	0.73
1.00E+00	0.89
1.00E+00	0.89
1.00E+00	0.78
1.00E+00	0.54
1.00E+00	0.39
1.00E+00	0.7

1.00E+00	0.91
1.00E+00	0.48

1.00E+00	0.77
1.00E+00	0.75
1.00E+00	0.66
1.00E+00	0.52
1.00E+00	0.94

1.00E+00	0.88
1.00E+00	0.66
1.00E+00	0.94
1.00E+00	0.96

1.00E+00	1
1.00E+00	0
1.00E+00	0.78
1.00E+00	0.81
1.00E+00	0.79
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.82
1.00E+00	1
1.00E+00	0.59
1.00E+00	0.56
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.7
1.00E+00	0.88
1.00E+00	0.83
1.00E+00	0.97
1.00E+00	0.91
1.00E+00	0.82
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.89
1.00E+00	0.79
1.00E+00	0
1.00E+00	0.8
1.00E+00	0.93
1.00E+00	0.62
1.00E+00	0.83
1.00E+00	0.8
1.00E+00	0.69
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.81
1.00E+00	0.65
1.00E+00	0.77
1.00E+00	0.75
1.00E+00	0.89
1.00E+00	0.89
1.00E+00	0.89
1.00E+00	0.91
1.00E+00	0.76
1.00E+00	1

1.00E+00	0.96
1.00E+00	0.75
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.93
1.00E+00	0.77
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.79

1.00E+00	0.7
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1.00E+00	0.89
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1.00E+00	0.8
1.00E+00	0.85
1.00E+00	0.93
1.00E+00	0.62
1.00E+00	0.69
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1.00E+00	0.79
1.00E+00	0.91
1.00E+00	0.81

1.00E+00	1
1.00E+00	0.82
1.00E+00	0.98
1.00E+00	0.84
1.00E+00	0.65
1.00E+00	0.93
1.00E+00	0.88
1.00E+00	0.96
1.00E+00	0.74
1.00E+00	0.74
1.00E+00	0.77
1.00E+00	0.52
1.00E+00	1
1.00E+00	0.97
1.00E+00	0.61

1.00E+00	0.8
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1.00E+00	0.55
1.00E+00	0.54
1.00E+00	0.59
1.00E+00	1
1.00E+00	0.69
1.00E+00	1

1.00E+00	0.95
1.00E+00	0.74
1.00E+00	1
1.00E+00	0.83
1.00E+00	0.82
1.00E+00	0.81
1.00E+00	0.69
1.00E+00	0.97
1.00E+00	0.86
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.81
1.00E+00	1
1.00E+00	0.57
1.00E+00	0.51
1.00E+00	1
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.78
1.00E+00	1
1.00E+00	0.8
1.00E+00	0.81
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1.00E+00	0.91
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1.00E+00	0.87
1.00E+00	0.81
1.00E+00	0.95
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.87
1.00E+00	0.78
1.00E+00	1
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1.00E+00	0.93
1.00E+00	0.85
1.00E+00	0.84
1.00E+00	0.83
1.00E+00	0.71
1.00E+00	0.89
1.00E+00	0.81
1.00E+00	0.81
1.00E+00	0.75
1.00E+00	0.74
1.00E+00	0.88
1.00E+00	0.87
1.00E+00	0.9
1.00E+00	0.79
1.00E+00	0.82
1.00E+00	1
1.00E+00	0.73
1.00E+00	0.94
1.00E+00	0.9
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1.00E+00	0.78
1.00E+00	1
1.00E+00	0.63
1.00E+00	0.62
1.00E+00	0.94
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1.00E+00	0.8
1.00E+00	0.82
1.00E+00	0.88
1.00E+00	0.59
1.00E+00	1
1.00E+00	1
1.00E+00	0.79
1.00E+00	0.89
1.00E+00	0.92
1.00E+00	0.71
1.00E+00	0.84
1.00E+00	0.89
1.00E+00	0.54
1.00E+00	0.86

1.00E+00	0.61
1.00E+00	0.92
1.00E+00	0.86
1.00E+00	0.73
1.00E+00	0.85
1.00E+00	0.53
1.00E+00	0.56
1.00E+00	0.93
1.00E+00	0.9
1.00E+00	0.97
1.00E+00	0.93
1.00E+00	0.57
1.00E+00	0.7
1.00E+00	1
1.00E+00	0.82

1.00E+00	0.87
1.00E+00	0.79
1.00E+00	0.97
1.00E+00	0.63

1.00E+00	1
1.00E+00	0.79
1.00E+00	0.87
1.00E+00	0.77
1.00E+00	0.84
1.00E+00	0.79
1.00E+00	0.65
1.00E+00	0.8
1.00E+00	0.82
1.00E+00	0.97
1.00E+00	0.77
1.00E+00	0.93
1.00E+00	0.83

1.00E+00	0.93
1.00E+00	0.72
1.00E+00	0.68
1.00E+00	0.58
1.00E+00	0.92
1.00E+00	0.99
1.00E+00	0.92
1.00E+00	0.93
1.00E+00	0.9

1.00E+00	0.86
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1.00E+00 0.93

1.00E+00 0.55

1.00E+00 1

1.00E+00 0.96

1.00E+00 0.92

1.00E+00 0.9

1.00E+00 0.94

1.00E+00 0.9

1.00E+00 0.92

1.00E+00 0.85

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1.00E+00 0.86

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1.00E+00 0.93

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1.00E+00 0.8

1.00E+00 1

1.00E+00 1

1.00E+00 0.96

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1.00E+00 0.49

1.00E+00 1

1.00E+00 0.87

1.00E+00 0.91

1.00E+00 0.53

1.00E+00 0.81

1.00E+00 0.88

1.00E+00	0.92
1.00E+00	0.82
1.00E+00	0.65
1.00E+00	0.83
1.00E+00	0.94
1.00E+00	0.49
1.00E+00	0.61
1.00E+00	0.67
1.00E+00	1
1.00E+00	0.85

1.00E+00	0.79
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.79
1.00E+00	0.83
1.00E+00	1
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.73
1.00E+00	1
1.00E+00	1
1.00E+00	0.86
1.00E+00	0.74
1.00E+00	0.68
1.00E+00	1
1.00E+00	0.72
1.00E+00	0.65
1.00E+00	0.57
1.00E+00	1
1.00E+00	0.6
1.00E+00	0.71
1.00E+00	0.84
1.00E+00	0.91
1.00E+00	0.85
1.00E+00	0.91
1.00E+00	0.91
1.00E+00	0.74

1.00E+00	1
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1.00E+00	0.94
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1.00E+00	0.56
1.00E+00	1
1.00E+00	0.74

1.00E+00	1
1.00E+00	0.83
1.00E+00	0.89
1.00E+00	0.74
1.00E+00	0.87
1.00E+00	0.59

1.00E+00	0.84
1.00E+00	0.89
1.00E+00	0.92
1.00E+00	0.89
1.00E+00	0.75
1.00E+00	0.76
1.00E+00	0.69

1.00E+00	0.66
1.00E+00	0.9
1.00E+00	0.9
1.00E+00	0.88
1.00E+00	0.92
1.00E+00	0.75
1.00E+00	0.84
1.00E+00	0.81
1.00E+00	0.86
1.00E+00	0.72
1.00E+00	0.72
1.00E+00	0.55

1.00E+00	0.81
1.00E+00	0.87
1.00E+00	1
1.00E+00	0.77
1.00E+00	0.78
1.00E+00	1
1.00E+00	0.73
1.00E+00	0.91
1.00E+00	0.49
1.00E+00	1
1.00E+00	0.83
1.00E+00	0.94
1.00E+00	0.92
1.00E+00	0.87
1.00E+00	0.78
1.00E+00	0.7

1.00E+00	0.71
1.00E+00	0.85
1.00E+00	0.67

1.00E+00	0.67
1.00E+00	1
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.74
1.00E+00	0.79
1.00E+00	0.58
1.00E+00	0.61
1.00E+00	1
1.00E+00	0.48
1.00E+00	0.93
1.00E+00	0.97
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.79
1.00E+00	0.92
1.00E+00	1
1.00E+00	0.81
1.00E+00	0.9
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.96
1.00E+00	0.75
1.00E+00	0.88
1.00E+00	0.97
1.00E+00	0.88
1.00E+00	0.55
1.00E+00	1
1.00E+00	0.74
1.00E+00	0.56
1.00E+00	0.59
1.00E+00	0.78
1.00E+00	1
1.00E+00	1
1.00E+00	0.89
1.00E+00	0.62
1.00E+00	0.63
1.00E+00	1
1.00E+00	0.74
1.00E+00	0.72
1.00E+00	0.8

1.00E+00	0.5
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.51
1.00E+00	1
1.00E+00	1
1.00E+00	0.61
1.00E+00	0.93
1.00E+00	0.92
1.00E+00	0.66
1.00E+00	0.79
1.00E+00	0.78
1.00E+00	0.51
1.00E+00	0.78
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.76
1.00E+00	0.88
1.00E+00	0.59
1.00E+00	0.57
1.00E+00	0.74
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.91
1.00E+00	0.8
1.00E+00	0.6
1.00E+00	1
1.00E+00	0.61
1.00E+00	1
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.89
1.00E+00	1
1.00E+00	0.74
1.00E+00	0.8
1.00E+00	1
1.00E+00	0.78
1.00E+00	0.76
1.00E+00	0.6
1.00E+00	0.84
1.00E+00	0.71
1.00E+00	0.96
1.00E+00	0.74

1.00E+00	0.93
1.00E+00	0.59
1.00E+00	1

1.00E+00	0.91
1.00E+00	0.95
1.00E+00	0.89
1.00E+00	0.88
1.00E+00	0.91

1.00E+00	0.92
1.00E+00	0.97
1.00E+00	0.73

1.00E+00	0.75
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1.00E+00	1
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.82
1.00E+00	0.71
1.00E+00	0.83
1.00E+00	0.86
1.00E+00	0.92
1.00E+00	0.9
1.00E+00	0.94
1.00E+00	0.76
1.00E+00	0.71

1.00E+00	0.51
1.00E+00	0.92
1.00E+00	0.79
1.00E+00	1
1.00E+00	0.86
1.00E+00	0.82

1.00E+00	0.67
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1.00E+00	0.85
1.00E+00	1
1.00E+00	0.79
1.00E+00	0.68
1.00E+00	0.95

1.00E+00	0.76
1.00E+00	0.97
1.00E+00	1
1.00E+00	1
1.00E+00	0.97
1.00E+00	1
1.00E+00	0.97
1.00E+00	0.72
1.00E+00	0.72
1.00E+00	0.94
1.00E+00	0.68
1.00E+00	0.56
1.00E+00	0.92
1.00E+00	0.55
1.00E+00	0.74
1.00E+00	0.69
1.00E+00	0.72
1.00E+00	0.88
1.00E+00	0.49
1.00E+00	0.55
1.00E+00	0.87
1.00E+00	0.9
1.00E+00	0.87
1.00E+00	0.62
1.00E+00	0.84
1.00E+00	0.89
1.00E+00	0.77
1.00E+00	0.69
1.00E+00	0.88
1.00E+00	0.9
1.00E+00	0.78
1.00E+00	0.87
1.00E+00	0.79
1.00E+00	0.67
1.00E+00	0.83
1.00E+00	0.72
1.00E+00	0.94
1.00E+00	0.89
1.00E+00	0.69
1.00E+00	1
1.00E+00	0.96

1.00E+00	1
1.00E+00	0.93
1.00E+00	0.89
1.00E+00	1
1.00E+00	0.82
1.00E+00	0.64
1.00E+00	0.75
1.00E+00	0.66
1.00E+00	0.81
1.00E+00	0.79
1.00E+00	0.98
1.00E+00	0.94
1.00E+00	0.69
1.00E+00	0.81
1.00E+00	0.83
1.00E+00	0.84
1.00E+00	1

1.00E+00	0.78
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1.00E+00	0.76
1.00E+00	0.6
1.00E+00	1
1.00E+00	0.77
1.00E+00	0.92
1.00E+00	0.62
1.00E+00	0.56
1.00E+00	0.4

1.00E+00	0.81
1.00E+00	1
1.00E+00	0.8
1.00E+00	0.86
1.00E+00	0.66
1.00E+00	0.9
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.82
1.00E+00	1

1.00E+00	0.77
1.00E+00	0.91
1.00E+00	0.95
1.00E+00	0.89
1.00E+00	0.88
1.00E+00	0.91

1.00E+00	0.92
1.00E+00	0.97
1.00E+00	0.73

1.00E+00	0.75
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1.00E+00	0.96
1.00E+00	0.61
1.00E+00	0.92

1.00E+00	0.76
1.00E+00	1
1.00E+00	1
1.00E+00	0.63
1.00E+00	0.71
1.00E+00	0.57
1.00E+00	0.94
1.00E+00	0.81
1.00E+00	0.94
1.00E+00	0.73
1.00E+00	0.62
1.00E+00	0.88
1.00E+00	0.86
1.00E+00	0.66
1.00E+00	0.87
1.00E+00	0.94
1.00E+00	0.82
1.00E+00	0.81
1.00E+00	0.9

1.00E+00	0
1.00E+00	0.86
1.00E+00	0.8
1.00E+00	0.73

1.00E+00	0.6
1.00E+00	0.65

1.00E+00	0.93
1.00E+00	1
1.00E+00	0.89
1.00E+00	0.79
1.00E+00	0.76
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.8
1.00E+00	0.94
1.00E+00	0.8
1.00E+00	0.53
1.00E+00	0.71

1.00E+00	0.89
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1.00E+00	0.64
1.00E+00	0.83
1.00E+00	0.89
1.00E+00	0.67
1.00E+00	0.65
1.00E+00	0.89
1.00E+00	0.92
1.00E+00	0.88
1.00E+00	0.83

1.00E+00	0.88
1.00E+00	0.92
1.00E+00	1
1.00E+00	0.89
1.00E+00	0.86
1.00E+00	0.97
1.00E+00	0.97
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.65
1.00E+00	0.77
1.00E+00	0.79
1.00E+00	0.92
1.00E+00	0.9
1.00E+00	0.93
1.00E+00	0.94
1.00E+00	0.91
1.00E+00	0.87
1.00E+00	1

1.00E+00	0.93
1.00E+00	0.55
1.00E+00	1

1.00E+00	0.9
1.00E+00	0.6

1.00E+00	0.81
1.00E+00	0.73
1.00E+00	0.7

1.00E+00	0.81
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1.00E+00	0.88
1.00E+00	1

1.00E+00	0.97
1.00E+00	0.47
1.00E+00	0.82
1.00E+00	0.85
1.00E+00	0.95
1.00E+00	0.73
1.00E+00	0.64
1.00E+00	0.83
1.00E+00	0.88
1.00E+00	0.7
1.00E+00	0.65
1.00E+00	0.93
1.00E+00	0.92
1.00E+00	0.91
1.00E+00	0.89

1.00E+00	0.88
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1.00E+00	1
1.00E+00	0.35
1.00E+00	0.87
1.00E+00	0.78

1.00E+00	0.82
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1.00E+00	0.6
1.00E+00	0.68
1.00E+00	0.68
1.00E+00	0.6
1.00E+00	0.77
1.00E+00	0.73
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.81
1.00E+00	0.88
1.00E+00	0.97
1.00E+00	0.85
1.00E+00	1
1.00E+00	1
1.00E+00	0.79
1.00E+00	0.87
1.00E+00	0.59
1.00E+00	1
1.00E+00	0.96
1.00E+00	1
1.00E+00	0.89
1.00E+00	1
1.00E+00	1
1.00E+00	0.89
1.00E+00	0.84
1.00E+00	0.95
1.00E+00	0.96
1.00E+00	0.61
1.00E+00	0.47
1.00E+00	0.9
1.00E+00	0.71
1.00E+00	0.89
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.81
1.00E+00	0.75
1.00E+00	0.93
1.00E+00	0.9

1.00E+00	0.95
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.56
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.4
1.00E+00	0.74
1.00E+00	0.76
1.00E+00	0.72
1.00E+00	0.92
1.00E+00	0.8
1.00E+00	0.68
1.00E+00	0.89
1.00E+00	0.72
1.00E+00	0.64
1.00E+00	0.92
1.00E+00	0.74
1.00E+00	0.68
1.00E+00	0.88
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.75
1.00E+00	1
1.00E+00	0.71
1.00E+00	0.84
1.00E+00	0.93
1.00E+00	0.86
1.00E+00	0.9
1.00E+00	0.91
1.00E+00	0
1.00E+00	0.88
1.00E+00	0.84
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.87
1.00E+00	0.94
1.00E+00	0.65
1.00E+00	0.7
1.00E+00	0.68
1.00E+00	0.78
1.00E+00	0.82
1.00E+00	0.95
1.00E+00	0.93
1.00E+00	0.77

1.00E+00	0.77
1.00E+00	1
1.00E+00	0.72

1.00E+00	0.96
1.00E+00	0.84
1.00E+00	0.76

1.00E+00	0.88
1.00E+00	0.82
1.00E+00	0.92
1.00E+00	0.96
1.00E+00	0.95
1.00E+00	1
1.00E+00	1

1.00E+00	0.92
1.00E+00	0.9
1.00E+00	0.71
1.00E+00	0.54
1.00E+00	0.92
1.00E+00	0.93
1.00E+00	0.87

1.00E+00	1
1.00E+00	0.83
1.00E+00	1
1.00E+00	0.62
1.00E+00	0.95

1.00E+00	0.85
1.00E+00	0.61

1.00E+00	0.71
1.00E+00	0.81

1.00E+00	0.53
1.00E+00	1
1.00E+00	1
1.00E+00	0.79
1.00E+00	0.89
1.00E+00	0.9
1.00E+00	0.99
1.00E+00	0.77
1.00E+00	0.91
1.00E+00	0.92

1.00E+00	0.72
1.00E+00	0.83
1.00E+00	0.75
1.00E+00	0.77
1.00E+00	0.9
1.00E+00	0.57

1.00E+00	0.84
1.00E+00	0.99

1.00E+00	0.91
1.00E+00	0.88
1.00E+00	0.9
1.00E+00	0.87
1.00E+00	1
1.00E+00	0.7
1.00E+00	1
1.00E+00	0.69
1.00E+00	0.83
1.00E+00	0.77
1.00E+00	0.86
1.00E+00	0.59
1.00E+00	0.66
1.00E+00	1
1.00E+00	0.9
1.00E+00	1

1.00E+00	0.79
1.00E+00	0.37
1.00E+00	0.7
1.00E+00	0.89
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.83
1.00E+00	0.59
1.00E+00	0.7
1.00E+00	0.85
1.00E+00	0.89

1.00E+00	0.86
1.00E+00	0.9
1.00E+00	0.88
1.00E+00	0.8
1.00E+00	0.92
1.00E+00	0.92
1.00E+00	0.94
1.00E+00	0.85
1.00E+00	0.56

1.00E+00	0.71
1.00E+00	0.82
1.00E+00	1

1.00E+00	0.73
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.93
1.00E+00	0.98
1.00E+00	1
1.00E+00	0.83
1.00E+00	0.89

1.00E+00	0.79
1.00E+00	0.67
1.00E+00	0.87
1.00E+00	0.64

1.00E+00	1
1.00E+00	0.91
1.00E+00	0.87
1.00E+00	0.95
1.00E+00	0.9
1.00E+00	0.5
1.00E+00	0.86
1.00E+00	0.82

1.00E+00	0.93
1.00E+00	0.9
1.00E+00	0.82
1.00E+00	0.93
1.00E+00	0.68
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.53
1.00E+00	0.78

1.00E+00	0.88
1.00E+00	1
1.00E+00	0.75
1.00E+00	0.72
1.00E+00	0.93
1.00E+00	0.7
1.00E+00	0.74
1.00E+00	0.89
1.00E+00	0.54

1.00E+00	0.71
1.00E+00	0.72
1.00E+00	0.46
1.00E+00	0.94
1.00E+00	0.89
1.00E+00	0.8
1.00E+00	0.88
1.00E+00	0.93
1.00E+00	0.9
1.00E+00	0.78
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.96
1.00E+00	0.94
1.00E+00	1

1.00E+00	0.84
1.00E+00	0.88
1.00E+00	0.69
1.00E+00	0.79
1.00E+00	0.84
1.00E+00	0.56
1.00E+00	0.51
1.00E+00	0.89
1.00E+00	0.93
1.00E+00	0.88

1.00E+00	0.79
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1.00E+00	0.72
1.00E+00	0.87

1.00E+00	0.68
1.00E+00	0.58
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.86
1.00E+00	0.87
1.00E+00	0.93
1.00E+00	0.7
1.00E+00	0.95
1.00E+00	0.84
1.00E+00	0.81
1.00E+00	1
1.00E+00	0.97

1.00E+00	0.54
1.00E+00	1
1.00E+00	0.8
1.00E+00	0.84

1.00E+00	0.52
1.00E+00	0.72
1.00E+00	0.85
1.00E+00	0.96
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.84
1.00E+00	1
1.00E+00	1

1.00E+00	0.77
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1.00E+00	0.98
1.00E+00	0.99
1.00E+00	0.9
1.00E+00	1

1.00E+00	0.95
1.00E+00	0.85
1.00E+00	0.61

1.00E+00	0.82
1.00E+00	1
1.00E+00	0.62
1.00E+00	1
1.00E+00	0.93

1.00E+00	0.89
1.00E+00	0.94
1.00E+00	1

1.00E+00	0.85
1.00E+00	0.85
1.00E+00	0.88
1.00E+00	0.92
1.00E+00	0.82
1.00E+00	0.96
1.00E+00	0.76
1.00E+00	0.78
1.00E+00	0.74

1.00E+00	0.61
1.00E+00	1
1.00E+00	0.85
1.00E+00	0.73
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.79
1.00E+00	0.77
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.95
1.00E+00	0.94

1.00E+00	0.83
1.00E+00	0.86
1.00E+00	0.63
1.00E+00	1
1.00E+00	0.74
1.00E+00	0.74
1.00E+00	0.61
1.00E+00	0.85

1.00E+00	1
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1.00E+00	1
1.00E+00	0.72
1.00E+00	0.72

1.00E+00	0.79
1.00E+00	0.77
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.95
1.00E+00	0.94

1.00E+00	0.83
1.00E+00	0.86
1.00E+00	0.63
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.76

1.00E+00	0.85
1.00E+00	0.84
1.00E+00	0.83

1.00E+00	0.71
1.00E+00	0.9
1.00E+00	0.72
1.00E+00	0.83
1.00E+00	0.6
1.00E+00	0.71
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.96
1.00E+00	0.85
1.00E+00	0.86
1.00E+00	0.55
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.76
1.00E+00	0.93
1.00E+00	0.89
1.00E+00	0.93
1.00E+00	0.88
1.00E+00	0.73
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.71
1.00E+00	0.7
1.00E+00	0.85
1.00E+00	0.9
1.00E+00	0.92
1.00E+00	0.85
1.00E+00	0.63
1.00E+00	0.64
1.00E+00	0.8
1.00E+00	0.52
1.00E+00	0.77
1.00E+00	0.9
1.00E+00	0.84
1.00E+00	0.87
1.00E+00	0.82
1.00E+00	0.92
1.00E+00	0.81
1.00E+00	1
1.00E+00	1
1.00E+00	0.97

1.00E+00	0.54
1.00E+00	0.54
1.00E+00	0.74
1.00E+00	0.7
1.00E+00	0.76

1.00E+00	1
----------	---

1.00E+00	0.65
1.00E+00	0.7
1.00E+00	0.83
1.00E+00	0.94
1.00E+00	0.69
1.00E+00	0.95
1.00E+00	0.85

1.00E+00	0.9
1.00E+00	1
1.00E+00	1
1.00E+00	0.93
1.00E+00	1
1.00E+00	0.77
1.00E+00	1
1.00E+00	0.85
1.00E+00	0.88
1.00E+00	0.86
1.00E+00	0.96
1.00E+00	1
1.00E+00	0.85
1.00E+00	1
1.00E+00	0.77
1.00E+00	0.88
1.00E+00	0.7
1.00E+00	0.98
1.00E+00	0.81
1.00E+00	0.79
1.00E+00	0.95
1.00E+00	0.86
1.00E+00	0.74
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.67
1.00E+00	0.87
1.00E+00	0.84
1.00E+00	0.82

1.00E+00	0.9
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1.00E+00	0.84
1.00E+00	0.92
1.00E+00	0.88
1.00E+00	0.66
1.00E+00	0.64
1.00E+00	0.88
1.00E+00	0.96
1.00E+00	0.84
1.00E+00	0.85
1.00E+00	0.59
1.00E+00	0.83
1.00E+00	1
1.00E+00	1
1.00E+00	0.78
1.00E+00	0.74
1.00E+00	0.51
1.00E+00	0.9

1.00E+00	0.55
1.00E+00	1
1.00E+00	0.89
1.00E+00	0.6
1.00E+00	0.71

1.00E+00	0.91
1.00E+00	1
1.00E+00	0.96
1.00E+00	0.85
1.00E+00	0.86

1.00E+00	0.55
1.00E+00	1

1.00E+00	0.78
1.00E+00	0.85
1.00E+00	0.91
1.00E+00	0.86
1.00E+00	0.77
1.00E+00	0.51
1.00E+00	0.56
1.00E+00	0.79
1.00E+00	0.68
1.00E+00	0.86

1.00E+00	0.6
1.00E+00	0.81
1.00E+00	0.8

1.00E+00	1
1.00E+00	0.81
1.00E+00	1
1.00E+00	0.85
1.00E+00	0.85
1.00E+00	0.93
1.00E+00	1
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.94
1.00E+00	0

1.00E+00	1
1.00E+00	0.93
1.00E+00	0.79
1.00E+00	0.77

1.00E+00	0.46
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1.00E+00	0.92
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.95
1.00E+00	0.94

1.00E+00	0.87
1.00E+00	1
1.00E+00	0.82
1.00E+00	1
1.00E+00	0.86
1.00E+00	0.85
1.00E+00	0.78
1.00E+00	0.94
1.00E+00	0.91
1.00E+00	0
1.00E+00	0.54
1.00E+00	0.71
1.00E+00	1
1.00E+00	0.89
1.00E+00	0.97

1.00E+00	0.82
1.00E+00	0
1.00E+00	0.91
1.00E+00	0.63
1.00E+00	0.9
1.00E+00	0.48
1.00E+00	1
1.00E+00	0.86
1.00E+00	0.88
1.00E+00	0.66

1.00E+00	0.51
1.00E+00	0.5
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.93
1.00E+00	1
1.00E+00	0.77
1.00E+00	1
1.00E+00	1
1.00E+00	0.59
1.00E+00	0.85
1.00E+00	1
1.00E+00	1

1.00E+00	0.89
1.00E+00	0.91

1.00E+00	0.64
1.00E+00	0.84
1.00E+00	0.86
1.00E+00	0.67
1.00E+00	0.91
1.00E+00	0.86
1.00E+00	0.9

1.00E+00	0.8
1.00E+00	1
1.00E+00	0.87
1.00E+00	0.87
1.00E+00	0.92
1.00E+00	0.66
1.00E+00	0.91
1.00E+00	0.92
1.00E+00	1
1.00E+00	0.6
1.00E+00	0.7

1.00E+00	1
1.00E+00	0.75
1.00E+00	0.89
1.00E+00	1
1.00E+00	0.54
1.00E+00	0.86
1.00E+00	0.61
1.00E+00	0.91
1.00E+00	0.95
1.00E+00	0.62
1.00E+00	1
1.00E+00	0.96
1.00E+00	0.88
1.00E+00	0.92
1.00E+00	0.73
1.00E+00	0.91
1.00E+00	0.76
1.00E+00	0.86
1.00E+00	0.94
1.00E+00	0.6
1.00E+00	0.92

1.00E+00	1
1.00E+00	0.85
1.00E+00	0.49
1.00E+00	0.58
1.00E+00	0.64
1.00E+00	0.52
1.00E+00	0.73
1.00E+00	0.63
1.00E+00	1

1.00E+00	1
1.00E+00	0.48
1.00E+00	1
1.00E+00	0.87
1.00E+00	1
1.00E+00	0.97
1.00E+00	0.92
1.00E+00	0.87
1.00E+00	1
1.00E+00	0.9
1.00E+00	1

1.00E+00	1
1.00E+00	0.94
1.00E+00	0.95
1.00E+00	0.87
1.00E+00	1
1.00E+00	0.72

1.00E+00	0
1.00E+00	1
1.00E+00	1
1.00E+00	0.89
1.00E+00	0.5
1.00E+00	1
1.00E+00	0.46
1.00E+00	0.84
1.00E+00	0.76
1.00E+00	0.89

1.00E+00	0.94
1.00E+00	0.72
1.00E+00	0.95
1.00E+00	0.81
1.00E+00	0.9
1.00E+00	0.75
1.00E+00	0.72
1.00E+00	1
1.00E+00	1
1.00E+00	0.66

1.00E+00	1
1.00E+00	1

1.00E+00	0.82
1.00E+00	0.91
1.00E+00	0.97
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.84
1.00E+00	0.83
1.00E+00	1
1.00E+00	0.89
1.00E+00	1
1.00E+00	0.75
1.00E+00	0.61
1.00E+00	0.82
1.00E+00	0.92
1.00E+00	1
1.00E+00	0.85
1.00E+00	1
1.00E+00	0.88
1.00E+00	0.96
1.00E+00	0.71
1.00E+00	0.5
1.00E+00	0.64
1.00E+00	1

1.00E+00	0.9
1.00E+00	0.84
1.00E+00	0.5
1.00E+00	0.75
1.00E+00	1
1.00E+00	0.84
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.85
1.00E+00	0.94
1.00E+00	0.62
1.00E+00	0.69
1.00E+00	0.74
1.00E+00	0.93
1.00E+00	0.93
1.00E+00	0.92
1.00E+00	0.67
1.00E+00	1
1.00E+00	0.84
1.00E+00	0.41
1.00E+00	0.52
1.00E+00	1
1.00E+00	0.85
1.00E+00	0.95
1.00E+00	0.82
1.00E+00	0.81
1.00E+00	0.91
1.00E+00	0.56
1.00E+00	0.85
1.00E+00	0.7
1.00E+00	0.96
1.00E+00	0.97
1.00E+00	0.77
1.00E+00	0.66
1.00E+00	1
1.00E+00	0.78
1.00E+00	0.74
1.00E+00	0.91

1.00E+00	0.67
1.00E+00	0.96
1.00E+00	0.79
1.00E+00	0.89
1.00E+00	0.73
1.00E+00	0.69
1.00E+00	0.97
1.00E+00	0.9
1.00E+00	0.86
1.00E+00	0.95
1.00E+00	1
1.00E+00	1
1.00E+00	0.8
1.00E+00	0.72
1.00E+00	0.94
1.00E+00	0.87
1.00E+00	0.92
1.00E+00	0.8
1.00E+00	0.8
1.00E+00	0.87
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.94
1.00E+00	0.89
1.00E+00	0.72
1.00E+00	0.86
1.00E+00	0.87
1.00E+00	0.83
1.00E+00	1
1.00E+00	1
1.00E+00	0.89
1.00E+00	0.79
1.00E+00	0
1.00E+00	0.81
1.00E+00	0.93
1.00E+00	0.62
1.00E+00	0.83
1.00E+00	0.77
1.00E+00	1
1.00E+00	1
1.00E+00	0.75

1.00E+00	0.88
1.00E+00	0.95
1.00E+00	0.71
1.00E+00	1
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.87
1.00E+00	0.94
1.00E+00	0.63

1.00E+00	0.59
1.00E+00	0.6
1.00E+00	0.74
1.00E+00	0.85
1.00E+00	0.6
1.00E+00	0.47
1.00E+00	0.66
1.00E+00	0.95
1.00E+00	0.93
1.00E+00	0.77
1.00E+00	0.96

1.00E+00	0.72
1.00E+00	0.8
1.00E+00	0.92

1.00E+00	1
1.00E+00	0.69
1.00E+00	0.78
1.00E+00	0.88
1.00E+00	0.92
1.00E+00	0.8

1.00E+00	0.71
1.00E+00	0.97
1.00E+00	0.81
1.00E+00	1
1.00E+00	1
1.00E+00	0.75
1.00E+00	0.9
1.00E+00	0.94
1.00E+00	0.61
1.00E+00	0.74

1.00E+00	1
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1.00E+00	0.72
1.00E+00	0.92
1.00E+00	0.68

1.00E+00	0.64
1.00E+00	0.69
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.61
1.00E+00	0.93
1.00E+00	0.82
1.00E+00	0.83
1.00E+00	0.59
1.00E+00	0.49
1.00E+00	0.66
1.00E+00	0.8
1.00E+00	0.94
1.00E+00	0.85
1.00E+00	0.83
1.00E+00	0.85
1.00E+00	0.96
1.00E+00	0.93
1.00E+00	0.82
1.00E+00	0.78
1.00E+00	0.97
1.00E+00	0.55
1.00E+00	1
1.00E+00	1
1.00E+00	0.81
1.00E+00	0.84
1.00E+00	1
1.00E+00	0.71
1.00E+00	1
1.00E+00	1
1.00E+00	0.89
1.00E+00	0.83
1.00E+00	0.67
1.00E+00	1
1.00E+00	0.97
1.00E+00	0.59
1.00E+00	0.82
1.00E+00	0.76
1.00E+00	0.85

1.00E+00	0.84
1.00E+00	0.83
1.00E+00	0.71
1.00E+00	0.74
1.00E+00	0.94
1.00E+00	0.47
1.00E+00	0.95
1.00E+00	0.52
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.83
1.00E+00	0.96
1.00E+00	0.85
1.00E+00	1
1.00E+00	1
1.00E+00	0.67
1.00E+00	0.82
1.00E+00	0.7
1.00E+00	0.88
1.00E+00	0.39
1.00E+00	0.9
1.00E+00	0.59
1.00E+00	0.84
1.00E+00	1
1.00E+00	0.97
1.00E+00	0.94
1.00E+00	0.89
1.00E+00	0.86
1.00E+00	1
1.00E+00	0.75
1.00E+00	0.72
1.00E+00	1
1.00E+00	0.47
1.00E+00	0.68
1.00E+00	0.64
1.00E+00	0.86
1.00E+00	1

1.00E+00	0.82
1.00E+00	1
1.00E+00	0.82
1.00E+00	0.85
1.00E+00	0.69
1.00E+00	1
1.00E+00	0.69
1.00E+00	0.77
1.00E+00	0.88
1.00E+00	0.68
1.00E+00	0.92
1.00E+00	1
1.00E+00	1
1.00E+00	0.96
1.00E+00	1
1.00E+00	0.8
1.00E+00	0.6
1.00E+00	0.87
1.00E+00	0.5
1.00E+00	0.8
1.00E+00	0.82
1.00E+00	0.71
1.00E+00	1
1.00E+00	0.55
1.00E+00	0.86
1.00E+00	1
1.00E+00	0.69
1.00E+00	0.68
1.00E+00	0.87
1.00E+00	0.76
1.00E+00	1
1.00E+00	1
1.00E+00	0.77
1.00E+00	1
1.00E+00	1
1.00E+00	0.87
1.00E+00	0.59
1.00E+00	0
1.00E+00	1

1.00E+00	0.66
1.00E+00	0.77
1.00E+00	0.97
1.00E+00	0.52
1.00E+00	0.83
1.00E+00	0.65
1.00E+00	0.82
1.00E+00	0.91
1.00E+00	0.38
1.00E+00	0.71
1.00E+00	0.79
1.00E+00	1
1.00E+00	1
1.00E+00	0.73
1.00E+00	0.94
1.00E+00	0.74

1.00E+00	0.68
1.00E+00	0.73

1.00E+00	0.92
1.00E+00	0.75
1.00E+00	0.54
1.00E+00	0.96
1.00E+00	0.78
1.00E+00	0.71
1.00E+00	0.89
1.00E+00	1

1.00E+00	0.84
1.00E+00	1
1.00E+00	0.66
1.00E+00	1
1.00E+00	0.85

1.00E+00	0.72
1.00E+00	0.58
1.00E+00	0.78
1.00E+00	0.91
1.00E+00	0.89

1.00E+00	0.82
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1.00E+00	1
1.00E+00	1

1.00E+00	0.92
1.00E+00	0.78

1.00E+00	0.89
1.00E+00	0.75
1.00E+00	0.86
1.00E+00	0.83
1.00E+00	0.69

1.00E+00	0.95
1.00E+00	0.61
1.00E+00	0.93
1.00E+00	0.84
1.00E+00	0.94
1.00E+00	0.9

1.00E+00	0.97
1.00E+00	1
1.00E+00	0.8
1.00E+00	0.76
1.00E+00	0.92
1.00E+00	0.73

1.00E+00	0.9
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1.00E+00	1
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1.00E+00	0.85
1.00E+00	1
1.00E+00	1

1.00E+00	0.9
1.00E+00	0.91
1.00E+00	0.76
1.00E+00	0.7
1.00E+00	0.88
1.00E+00	0.85
1.00E+00	0.88

1.00E+00	0.77
1.00E+00	0.85
1.00E+00	0.86
1.00E+00	0.98
1.00E+00	0.92
1.00E+00	0.85
1.00E+00	0.7

1.00E+00	0.83
1.00E+00	0.64
1.00E+00	0.84

1.00E+00	0.94
1.00E+00	0.93

1.00E+00	0.9
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1.00E+00	0.87
1.00E+00	0.91

1.00E+00	0.85
1.00E+00	0.93
1.00E+00	1
1.00E+00	0.88
1.00E+00	0.85
1.00E+00	1
1.00E+00	0.88
1.00E+00	1
1.00E+00	1

1.00E+00	0.92
1.00E+00	0.92
1.00E+00	0.9

1.00E+00	1
1.00E+00	0.94

1.00E+00	0.97
1.00E+00	0.45
1.00E+00	0.82
1.00E+00	0.73
1.00E+00	0.7
1.00E+00	0.94
1.00E+00	0.46
1.00E+00	1
1.00E+00	0.83
1.00E+00	0.74
1.00E+00	0.66
1.00E+00	0.66
1.00E+00	0.84
1.00E+00	0.82
1.00E+00	0.95
1.00E+00	0.84
1.00E+00	0.88

1.00E+00	0.77
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1.00E+00	1
1.00E+00	0.6
1.00E+00	0.91
1.00E+00	0.94
1.00E+00	0.98
1.00E+00	1
1.00E+00	0.87
1.00E+00	0.91
1.00E+00	0.7
1.00E+00	1
1.00E+00	0.53
1.00E+00	0.95
1.00E+00	0.67
1.00E+00	1
1.00E+00	0.73
1.00E+00	0.86
1.00E+00	1
1.00E+00	0.88
1.00E+00	0.72
1.00E+00	0.8
1.00E+00	0.92
1.00E+00	0.68
1.00E+00	1
1.00E+00	1
1.00E+00	0.75
1.00E+00	0.89
1.00E+00	0.66
1.00E+00	0.58
1.00E+00	1
1.00E+00	0.82
1.00E+00	0.72
1.00E+00	1
1.00E+00	0.85
1.00E+00	0.78
1.00E+00	0.97
1.00E+00	0.64
1.00E+00	0.63
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1.00E+00	1
1.00E+00	0.64
1.00E+00	0.63
1.00E+00	0.82
1.00E+00	0.79
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1.00E+00	0.86
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1.00E+00	1
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1.00E+00	0.83
1.00E+00	0.89
1.00E+00	1
1.00E+00	0.71
1.00E+00	1
1.00E+00	0.55
1.00E+00	0.91
1.00E+00	1

1.00E+00	1
1.00E+00	1
1.00E+00	0.95

1.00E+00	0.84
1.00E+00	0.52
1.00E+00	0.79
1.00E+00	0.72
1.00E+00	0.86
1.00E+00	0.85
1.00E+00	1
1.00E+00	0.83
1.00E+00	0.84

1.00E+00	0.96
1.00E+00	1
1.00E+00	1

1.00E+00	0.87
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1.00E+00	0.68
1.00E+00	1
1.00E+00	0.68
1.00E+00	1
1.00E+00	0.82
1.00E+00	0.57
1.00E+00	0.59
1.00E+00	0.93
1.00E+00	0.94
1.00E+00	0.85
1.00E+00	0.84
1.00E+00	0.85
1.00E+00	0.88
1.00E+00	0.54
1.00E+00	0.75
1.00E+00	0.76
1.00E+00	0.7
1.00E+00	0.58
1.00E+00	1
1.00E+00	0.64
1.00E+00	0.65
1.00E+00	0.7
1.00E+00	0.8
1.00E+00	0.9
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1.00E+00	0.63
1.00E+00	0.81
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1.00E+00	0.91
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1.00E+00	0.94
1.00E+00	0.95
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1.00E+00	0.84
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1.00E+00	0.88
1.00E+00	0.69
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1.00E+00	0.84

1.00E+00	1
1.00E+00	0.86
1.00E+00	0.84
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1.00E+00	1
1.00E+00	0.92
1.00E+00	0.94
1.00E+00	0.81

1.00E+00	0.86
1.00E+00	0.88
1.00E+00	0.97
1.00E+00	0.79
1.00E+00	0.9
1.00E+00	0.96
1.00E+00	1
1.00E+00	0.73
1.00E+00	0.72
1.00E+00	0.91
1.00E+00	0.75
1.00E+00	0.9
1.00E+00	0.91
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.81
1.00E+00	0.91
1.00E+00	0.92
1.00E+00	0.87
1.00E+00	0.6

1.00E+00	1
1.00E+00	0.64

1.00E+00	0.69
1.00E+00	0.95
1.00E+00	0.83
1.00E+00	0.94

1.00E+00	0.86
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1.00E+00	1
1.00E+00	0.9
1.00E+00	0.86
1.00E+00	0.91
1.00E+00	0.59
1.00E+00	0.68
1.00E+00	0.86
1.00E+00	0.91
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1.00E+00	0.72
1.00E+00	0.66
1.00E+00	0.81
1.00E+00	0.75
1.00E+00	0.78
1.00E+00	0.65
1.00E+00	0.93
1.00E+00	0.9
1.00E+00	0.71
1.00E+00	0.87
1.00E+00	0.87
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1.00E+00	0.76
1.00E+00	0.78
1.00E+00	0.55
1.00E+00	0.96

1.00E+00	0.85
1.00E+00	0.89
1.00E+00	0.94
1.00E+00	0.44
1.00E+00	1

1.00E+00	0.75
1.00E+00	1
1.00E+00	0.87
1.00E+00	0.84
1.00E+00	0.91
1.00E+00	0.9
1.00E+00	0.74
1.00E+00	0.65
1.00E+00	0.65
1.00E+00	0.85
1.00E+00	0.91
1.00E+00	0.9
1.00E+00	0.75
1.00E+00	1
1.00E+00	0.77
1.00E+00	1
1.00E+00	0.8
1.00E+00	1
1.00E+00	0.77
1.00E+00	0.86
1.00E+00	0.82
1.00E+00	0.83
1.00E+00	0.7
1.00E+00	1
1.00E+00	1
1.00E+00	0.88
1.00E+00	1
1.00E+00	0.72
1.00E+00	0.9
1.00E+00	1
1.00E+00	1
1.00E+00	0.96
1.00E+00	1
1.00E+00	0.87
1.00E+00	0.92
1.00E+00	1
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.87
1.00E+00	0.85
1.00E+00	0.95
1.00E+00	0.76
1.00E+00	0.54
1.00E+00	0.79
1.00E+00	0.92
1.00E+00	0.74
1.00E+00	0.93

1.00E+00	0.95
1.00E+00	1
1.00E+00	0.5
1.00E+00	1
1.00E+00	0.57
1.00E+00	0.94
1.00E+00	0.7
1.00E+00	0.86
1.00E+00	0.74
1.00E+00	0.86
1.00E+00	0.8
1.00E+00	0.95
1.00E+00	0.95
1.00E+00	0.89
1.00E+00	0.65
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.74
1.00E+00	0.76
1.00E+00	0.87
1.00E+00	0.85
1.00E+00	0.93
1.00E+00	0.4
1.00E+00	0.65
1.00E+00	0.86
1.00E+00	0.86
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.96
1.00E+00	0.87
1.00E+00	0.77
1.00E+00	0.93
1.00E+00	0.66
1.00E+00	1
1.00E+00	0.85
1.00E+00	1
1.00E+00	0.84
1.00E+00	1
1.00E+00	0.88

1.00E+00	1
1.00E+00	0.88
1.00E+00	0.87
1.00E+00	0.89
1.00E+00	0.8
1.00E+00	0.82
1.00E+00	1
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.71
1.00E+00	0.81
1.00E+00	0.84

1.00E+00	0.93
1.00E+00	0.91
1.00E+00	0.71
1.00E+00	0.88
1.00E+00	1
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.9
1.00E+00	0.94
1.00E+00	0.77
1.00E+00	0.93
1.00E+00	0.73
1.00E+00	0.89
1.00E+00	0.88
1.00E+00	0.84
1.00E+00	0.85
1.00E+00	0.92
1.00E+00	0.93

1.00E+00	0.81
1.00E+00	1

1.00E+00	0.95
1.00E+00	1
1.00E+00	0.92

1.00E+00	1
1.00E+00	0.51
1.00E+00	1
1.00E+00	0.78

1.00E+00	0.9
1.00E+00	1
1.00E+00	0.85

1.00E+00	1
1.00E+00	0.92
1.00E+00	0.6
1.00E+00	0.58
1.00E+00	0.72
1.00E+00	0.9
1.00E+00	0.92
1.00E+00	0.71
1.00E+00	0.9
1.00E+00	0.94
1.00E+00	0.95
1.00E+00	0.82
1.00E+00	0.89
1.00E+00	0.84
1.00E+00	0.71
1.00E+00	0.87
1.00E+00	0.79
1.00E+00	1
1.00E+00	0.81

1.00E+00	0.71
1.00E+00	0.92
1.00E+00	0.67

1.00E+00	1
1.00E+00	0.77
1.00E+00	0.98
1.00E+00	0.87
1.00E+00	0.83
1.00E+00	0.75
1.00E+00	1
1.00E+00	0.71
1.00E+00	0.7
1.00E+00	0.93
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.87
1.00E+00	0.93
1.00E+00	1
1.00E+00	0.75

1.00E+00	0.91
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1.00E+00	0.83
1.00E+00	0.91
1.00E+00	0.85
1.00E+00	1
1.00E+00	0.96

1.00E+00	0.94
1.00E+00	0.78
1.00E+00	0.45
1.00E+00	0.81
1.00E+00	0.77
1.00E+00	0.76

1.00E+00	0.67
1.00E+00	1
1.00E+00	0.68
1.00E+00	1
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.59
1.00E+00	0.67
1.00E+00	0.75
1.00E+00	0.7
1.00E+00	0.62
1.00E+00	0.9
1.00E+00	0.89

1.00E+00	1
1.00E+00	0.79
1.00E+00	0.65

1.00E+00	0.81
1.00E+00	1

1.00E+00	0.76
1.00E+00	0.94
1.00E+00	0.94
1.00E+00	0.61
1.00E+00	1
1.00E+00	0.59
1.00E+00	0.79
1.00E+00	0.72

1.00E+00	0.84
1.00E+00	0.89
1.00E+00	1
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.93
1.00E+00	1
1.00E+00	1

1.00E+00	0.95
1.00E+00	0.89
1.00E+00	0.64
1.00E+00	0.49
1.00E+00	0.85
1.00E+00	0.63
1.00E+00	0.64
1.00E+00	0.8
1.00E+00	0.52
1.00E+00	0.75
1.00E+00	0.85
1.00E+00	1
1.00E+00	1

1.00E+00	0.91
1.00E+00	0.85
1.00E+00	0.93
1.00E+00	0.94

1.00E+00	0.92
1.00E+00	0.75
1.00E+00	0.59
1.00E+00	0.5
1.00E+00	0.93
1.00E+00	0.94
1.00E+00	0.56
1.00E+00	0.69
1.00E+00	0.7
1.00E+00	0.88
1.00E+00	0.88
1.00E+00	0.92
1.00E+00	0.52
1.00E+00	0.86
1.00E+00	0.6
1.00E+00	0.86
1.00E+00	0.83
1.00E+00	0.74
1.00E+00	0.68
1.00E+00	0.76
1.00E+00	0.78
1.00E+00	0.88
1.00E+00	0.86
1.00E+00	0.92

1.00E+00	0.73
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1.00E+00	1
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1.00E+00	0.93
1.00E+00	0.74
1.00E+00	0.72
1.00E+00	0.92
1.00E+00	0.6

1.00E+00	0.89
1.00E+00	0.94

1.00E+00	0.97
1.00E+00	0.82

1.00E+00	1
1.00E+00	0.94

1.00E+00	1
1.00E+00	0.65
1.00E+00	1
1.00E+00	1
1.00E+00	0.66
1.00E+00	0.57
1.00E+00	0.89
1.00E+00	0.94
1.00E+00	0
1.00E+00	0.91
1.00E+00	0.66
1.00E+00	0.92
1.00E+00	0.96
1.00E+00	0.79
1.00E+00	0.84
1.00E+00	0.86

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1.00E+00	0.85
1.00E+00	0.79
1.00E+00	0.85
1.00E+00	0.84
1.00E+00	1
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.8

1.00E+00	0.5
1.00E+00	0.63

1.00E+00 0.5

1.00E+00 0.76
1.00E+00 0.76

1.00E+00 0.87
1.00E+00 1
1.00E+00 0.85

1.00E+00 1
1.00E+00 0.72
1.00E+00 0.56
1.00E+00 0.67
1.00E+00 0.8
1.00E+00 0.69
1.00E+00 0.65
1.00E+00 0.75
1.00E+00 0.94
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1.00E+00 0.78
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1.00E+00	0.88
1.00E+00	0.68
1.00E+00	0.81
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1.00E+00	0.72
1.00E+00	0.93
1.00E+00	0.7
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1.00E+00	0.82
1.00E+00	0.89
1.00E+00	0.83
1.00E+00	0.87
1.00E+00	0.86
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.93
1.00E+00	0.64
1.00E+00	0.46
1.00E+00	0.53
1.00E+00	0.85
1.00E+00	0.89
1.00E+00	0.85
1.00E+00	0.7
1.00E+00	0.94
1.00E+00	1

1.00E+00	0.78
1.00E+00	1
1.00E+00	0.87
1.00E+00	0.91
1.00E+00	0.92
1.00E+00	0.53
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.73
1.00E+00	0.79
1.00E+00	0.9
1.00E+00	0.62
1.00E+00	0.8
1.00E+00	0.87
1.00E+00	1
1.00E+00	0.61
1.00E+00	0.81
1.00E+00	0.95
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1.00E+00	0.92
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1.00E+00	0.92
1.00E+00	0.93
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.81
1.00E+00	0.9
1.00E+00	0.58
1.00E+00	0.61
1.00E+00	0.97
1.00E+00	0.94
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.86
1.00E+00	0.89
1.00E+00	1
1.00E+00	0.7
1.00E+00	1
1.00E+00	0.84
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.75
1.00E+00	0.9
1.00E+00	0.89
1.00E+00	0.93
1.00E+00	1
1.00E+00	0.62
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.88
1.00E+00	1
1.00E+00	0.89
1.00E+00	1
1.00E+00	0.56
1.00E+00	0.66
1.00E+00	0.51
1.00E+00	0.93
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.81
1.00E+00	0.89
1.00E+00	0.85
1.00E+00	0.61
1.00E+00	1

1.00E+00	1
1.00E+00	0.88
1.00E+00	0.79
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1.00E+00	0.69
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1.00E+00	1
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1.00E+00	0.84
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1.00E+00	1
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1.00E+00	0.78
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1.00E+00	0.93
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1.00E+00	1
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1.00E+00	0.93
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1.00E+00	0.98
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1.00E+00	1
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1.00E+00	1
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1.00E+00	1
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1.00E+00	1
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1.00E+00	0.77
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1.00E+00	1
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1.00E+00	0.94
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1.00E+00	0.57
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1.00E+00	1
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1.00E+00	1
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1.00E+00	0.71
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1.00E+00	0.4
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1.00E+00	0.7
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1.00E+00	0.69
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1.00E+00	0.6
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1.00E+00	0.86
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1.00E+00	1
1.00E+00	0.94
1.00E+00	0.97
1.00E+00	0.58
1.00E+00	0.86
1.00E+00	0.59

1.00E+00	0.85
1.00E+00	0.92
1.00E+00	0.81
1.00E+00	0.48
1.00E+00	0.64

1.00E+00	0.9
1.00E+00	0.79
1.00E+00	0.85
1.00E+00	0.82
1.00E+00	0.81
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1.00E+00	0.93
1.00E+00	0.63
1.00E+00	0.97
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1.00E+00	0.69
1.00E+00	0.88
1.00E+00	0.6
1.00E+00	1

1.00E+00	0.9
1.00E+00	0.83
1.00E+00	0.95

1.00E+00	1
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.65
1.00E+00	0.88
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1.00E+00	0.93
1.00E+00	1
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.66
1.00E+00	0.56
1.00E+00	0.52
1.00E+00	0.73
1.00E+00	0.5
1.00E+00	0.49
1.00E+00	1
1.00E+00	1
1.00E+00	0.89
1.00E+00	0.82
1.00E+00	0.85
1.00E+00	1
1.00E+00	0.53
1.00E+00	0.85
1.00E+00	0.94
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1.00E+00	0.74
1.00E+00	0.96
1.00E+00	1
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1.00E+00	1
1.00E+00	0.84
1.00E+00	0.93
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1.00E+00	0.89
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.94
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.81
1.00E+00	0.49
1.00E+00	0.92
1.00E+00	0.82
1.00E+00	0.91
1.00E+00	0.96
1.00E+00	0.73
1.00E+00	0.72
1.00E+00	0.63

1.00E+00	1
1.00E+00	0.54
1.00E+00	0.74
1.00E+00	0.88
1.00E+00	0.74
1.00E+00	1
1.00E+00	0.75
1.00E+00	1
1.00E+00	1
1.00E+00	0.76
1.00E+00	0.72
1.00E+00	0.56
1.00E+00	0.87
1.00E+00	0.96
1.00E+00	0.93
1.00E+00	0.88
1.00E+00	0.71
1.00E+00	1
1.00E+00	0.84
1.00E+00	0.87
1.00E+00	0.74
1.00E+00	0.94
1.00E+00	0.67
1.00E+00	0.78
1.00E+00	0.67
1.00E+00	0.65
1.00E+00	1
1.00E+00	0.8
1.00E+00	0.81
1.00E+00	0.45
1.00E+00	0.9
1.00E+00	0.61
1.00E+00	0.8
1.00E+00	0.73
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.91
1.00E+00	0.96
1.00E+00	0.86
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1.00E+00	0.89
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1.00E+00	0.63

1.00E+00	0.95
1.00E+00	0.73
1.00E+00	0.49
1.00E+00	0.97
1.00E+00	1
1.00E+00	1
1.00E+00	0.92
1.00E+00	1

1.00E+00	0.89
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1.00E+00	0.78
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1.00E+00	0.79
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1.00E+00	1
1.00E+00	0.81
1.00E+00	0.7
1.00E+00	0.9
1.00E+00	0.95
1.00E+00	0.68
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1.00E+00	0.93
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1.00E+00	0.62
1.00E+00	0.82
1.00E+00	0.76
1.00E+00	0.92
1.00E+00	0.75
1.00E+00	1
1.00E+00	0.85

1.00E+00	0.85
1.00E+00	0.75

1.00E+00	0.95
1.00E+00	0.8
1.00E+00	0.75
1.00E+00	0.62

1.00E+00	0.67
1.00E+00	0.97
1.00E+00	0.87
1.00E+00	0.65
1.00E+00	0.72
1.00E+00	1
1.00E+00	0.85
1.00E+00	0.95
1.00E+00	0
1.00E+00	0.72
1.00E+00	0.63
1.00E+00	0.77
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.89
1.00E+00	0.46
1.00E+00	1
1.00E+00	0.86
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1.00E+00	0.92
1.00E+00	1
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1.00E+00	0.9
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1.00E+00	0.74
1.00E+00	0.83
1.00E+00	0.97
1.00E+00	0.97
1.00E+00	0.86
1.00E+00	1

1.00E+00	0.86
1.00E+00	0.8
1.00E+00	0.87
1.00E+00	0.8
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.65
1.00E+00	1
1.00E+00	1
1.00E+00	0.77
1.00E+00	1
1.00E+00	1
1.00E+00	0.62
1.00E+00	0.81
1.00E+00	0.75
1.00E+00	0.78

1.00E+00	1
1.00E+00	0.72
1.00E+00	0.78
1.00E+00	1
1.00E+00	0.8
1.00E+00	0.69
1.00E+00	1

1.00E+00	0.75
1.00E+00	0.81
1.00E+00	0.46
1.00E+00	0.55
1.00E+00	0.58

1.00E+00	1
1.00E+00	0.9
1.00E+00	0.8

1.00E+00	0.69
1.00E+00	0.45
1.00E+00	0.7
1.00E+00	0.67
1.00E+00	0.49
1.00E+00	0.84
1.00E+00	0.85
1.00E+00	0.59
1.00E+00	0.74
1.00E+00	0.44
1.00E+00	0.9
1.00E+00	0.9
1.00E+00	0.87

1.00E+00	1
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.75
1.00E+00	0.84
1.00E+00	0.8
1.00E+00	0.88
1.00E+00	0.97
1.00E+00	0.65
1.00E+00	0.67
1.00E+00	0.85
1.00E+00	0.86
1.00E+00	0.63
1.00E+00	0.67
1.00E+00	0.78
1.00E+00	0.75
1.00E+00	0.78
1.00E+00	0.72

1.00E+00	0.83
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.7
1.00E+00	0.88
1.00E+00	1
1.00E+00	0.61
1.00E+00	0.6

1.00E+00	0.91
1.00E+00	0.92
1.00E+00	0.65

1.00E+00	0.78
1.00E+00	0.97
1.00E+00	1
1.00E+00	1
1.00E+00	0.8
1.00E+00	1
1.00E+00	0.88
1.00E+00	0.91
1.00E+00	0.89
1.00E+00	1
1.00E+00	1
1.00E+00	0.57
1.00E+00	0.78
1.00E+00	1
1.00E+00	0.96
1.00E+00	0.93
1.00E+00	0.97
1.00E+00	0.66
1.00E+00	1
1.00E+00	0.87
1.00E+00	0.84
1.00E+00	0.94
1.00E+00	0.97
1.00E+00	0.69
1.00E+00	0.66
1.00E+00	0.87
1.00E+00	0.79
1.00E+00	1
1.00E+00	0.87
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.82
1.00E+00	0.92
1.00E+00	0.56
1.00E+00	0.65
1.00E+00	1
1.00E+00	1
1.00E+00	0.7
1.00E+00	0.82
1.00E+00	0.92
1.00E+00	0.73
1.00E+00	0.87
1.00E+00	0.73
1.00E+00	0.69

1.00E+00	1
1.00E+00	0
1.00E+00	0.78
1.00E+00	0.8
1.00E+00	0.89
1.00E+00	0.62
1.00E+00	0.92
1.00E+00	0.95
1.00E+00	0.67
1.00E+00	0.67
1.00E+00	0.7
1.00E+00	0.77
1.00E+00	0.66
1.00E+00	1
1.00E+00	0.65
1.00E+00	1
1.00E+00	0.5
1.00E+00	0
1.00E+00	0.76
1.00E+00	0.72
1.00E+00	0.86
1.00E+00	1
1.00E+00	0.81
1.00E+00	0.97
1.00E+00	0.95
1.00E+00	0.92
1.00E+00	0.91
1.00E+00	0.93
1.00E+00	0.8
1.00E+00	0.89
1.00E+00	0.79
1.00E+00	0.87
1.00E+00	0.69
1.00E+00	0.85
1.00E+00	0.75
1.00E+00	0.68
1.00E+00	0.94
1.00E+00	0.77

1.00E+00	0.9
1.00E+00	0.59
1.00E+00	0.78

1.00E+00	0.7
1.00E+00	1
1.00E+00	0.79
1.00E+00	0.88

1.00E+00	0.93
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1.00E+00	0.44
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1.00E+00	1
1.00E+00	1
1.00E+00	0.77
1.00E+00	0.68
1.00E+00	0.74
1.00E+00	0.94
1.00E+00	0.86
1.00E+00	0.8
1.00E+00	0.83
1.00E+00	0.85
1.00E+00	0.88

1.00E+00	0.92
1.00E+00	0.72
1.00E+00	1

1.00E+00	0.94
1.00E+00	0.63
1.00E+00	0.72
1.00E+00	0.89
1.00E+00	1
1.00E+00	0.7
1.00E+00	0.86
1.00E+00	0.73
1.00E+00	0.66
1.00E+00	0.73
1.00E+00	0.42
1.00E+00	0.72

1.00E+00	0.79
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1.00E+00	0.87
1.00E+00	0.78
1.00E+00	0.88
1.00E+00	0.95
1.00E+00	1
1.00E+00	1
1.00E+00	0.76
1.00E+00	0.88
1.00E+00	0.89
1.00E+00	0.62
1.00E+00	1
1.00E+00	0.6
1.00E+00	0.86
1.00E+00	0.87
1.00E+00	0.71
1.00E+00	0.9
1.00E+00	1
1.00E+00	1
1.00E+00	0.64
1.00E+00	1
1.00E+00	0
1.00E+00	0.82
1.00E+00	0.84
1.00E+00	0.84
1.00E+00	0.77
1.00E+00	0.84
1.00E+00	1
1.00E+00	0.84
1.00E+00	0.79
1.00E+00	0.9
1.00E+00	0.94
1.00E+00	0.89
1.00E+00	0.71
1.00E+00	1
1.00E+00	0.73
1.00E+00	0.82
1.00E+00	0.6
1.00E+00	0.98
1.00E+00	0.77
1.00E+00	1
1.00E+00	1
1.00E+00	0.98

1.00E+00	0.65
1.00E+00	0.74
1.00E+00	0.46
1.00E+00	0.92
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.83
1.00E+00	0.83
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.84
1.00E+00	0.69
1.00E+00	0.84
1.00E+00	1
1.00E+00	0.98
1.00E+00	1
1.00E+00	0.86
1.00E+00	0.7
1.00E+00	0.86
1.00E+00	0.96
1.00E+00	0.97
1.00E+00	1
1.00E+00	0.72
1.00E+00	0.81
1.00E+00	0.73
1.00E+00	0.76
1.00E+00	0.97
1.00E+00	0.95
1.00E+00	0.59
1.00E+00	0.85
1.00E+00	0.61
1.00E+00	0.73
1.00E+00	1
1.00E+00	1
1.00E+00	0.86
1.00E+00	0.95
1.00E+00	0.59
1.00E+00	0.81
1.00E+00	0.55

1.00E+00	1
1.00E+00	0.68
1.00E+00	0.72
1.00E+00	0
1.00E+00	0.86
1.00E+00	0.9
1.00E+00	0.85
1.00E+00	0.58
1.00E+00	0.72
1.00E+00	1
1.00E+00	0.61
1.00E+00	0.9
1.00E+00	0.69
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1.00E+00	0.83
1.00E+00	0
1.00E+00	0.89
1.00E+00	0.76
1.00E+00	0.63
1.00E+00	0.9
1.00E+00	0.62
1.00E+00	0.58
1.00E+00	0.85
1.00E+00	0.96
1.00E+00	1
1.00E+00	0.8
1.00E+00	1
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.71
1.00E+00	0.67
1.00E+00	0.87
1.00E+00	0.69
1.00E+00	0.91
1.00E+00	0.65
1.00E+00	0.76
1.00E+00	0.65
1.00E+00	1
1.00E+00	0.89
1.00E+00	1

1.00E+00	0.61
1.00E+00	0.93
1.00E+00	0.94
1.00E+00	0.93
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.88
1.00E+00	0.86
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.45
1.00E+00	0.56
1.00E+00	0.84
1.00E+00	0.89
1.00E+00	0.95
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.84
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.78
1.00E+00	0.77
1.00E+00	0.94
1.00E+00	0.77
1.00E+00	0.68
1.00E+00	1
1.00E+00	1
1.00E+00	0.73
1.00E+00	0.92
1.00E+00	0.89
1.00E+00	0.47
1.00E+00	0.54
1.00E+00	0.69
1.00E+00	0.93
1.00E+00	0.83
1.00E+00	0.66
1.00E+00	1
1.00E+00	0.79
1.00E+00	0.92
1.00E+00	0.83
1.00E+00	0.7
1.00E+00	0.45

1.00E+00	1
1.00E+00	0.73
1.00E+00	0.76

1.00E+00	0.85
1.00E+00	0.6
1.00E+00	0.36
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.87
1.00E+00	0.63
1.00E+00	0.77

1.00E+00	0.69
1.00E+00	0.78
1.00E+00	1
1.00E+00	0.56
1.00E+00	0.84
1.00E+00	0.56
1.00E+00	0.59
1.00E+00	1
1.00E+00	0.82
1.00E+00	0.64
1.00E+00	0.72
1.00E+00	0.89
1.00E+00	0.89
1.00E+00	0.53

1.00E+00	0.8
1.00E+00	1
1.00E+00	0.65

1.00E+00	0.69
1.00E+00	0.92

1.00E+00	0.7
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1.00E+00	0.89
1.00E+00	0.87
1.00E+00	0.74
1.00E+00	0.89
1.00E+00	0.79
1.00E+00	0.95

1.00E+00	0.92
1.00E+00	1
1.00E+00	0.91

1.00E+00	0.87
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.94
1.00E+00	0.72
1.00E+00	1
1.00E+00	0.82
1.00E+00	0.86
1.00E+00	0.96
1.00E+00	0.92
1.00E+00	0.96
1.00E+00	0.68
1.00E+00	0.68
1.00E+00	1
1.00E+00	0.68
1.00E+00	1
1.00E+00	1
1.00E+00	0.73
1.00E+00	0.71
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.97

1.00E+00	1
1.00E+00	0.66
1.00E+00	1
1.00E+00	0.84
1.00E+00	1

1.00E+00	0.9
1.00E+00	0.81
1.00E+00	0.9
1.00E+00	0.9
1.00E+00	0.63
1.00E+00	0.88
1.00E+00	0.7
1.00E+00	0.86
1.00E+00	0.97
1.00E+00	0.94
1.00E+00	0.94
1.00E+00	0.85
1.00E+00	0.81
1.00E+00	0.9
1.00E+00	0.77
1.00E+00	0.83
1.00E+00	0.82
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1.00E+00	0.93
1.00E+00	0.85
1.00E+00	0.93
1.00E+00	0.82
1.00E+00	1

1.00E+00	0.6
1.00E+00	0.66
1.00E+00	0.57
1.00E+00	0.59
1.00E+00	0.62
1.00E+00	0.84

1.00E+00	1
1.00E+00	0.54
1.00E+00	0.93
1.00E+00	0.6
1.00E+00	1
1.00E+00	0.64
1.00E+00	0.88
1.00E+00	0.78
1.00E+00	1
1.00E+00	0.64
1.00E+00	1
1.00E+00	0.75
1.00E+00	0.83
1.00E+00	1
1.00E+00	0.91
1.00E+00	1

1.00E+00	0.88
1.00E+00	1
1.00E+00	0.72
1.00E+00	0.83
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1.00E+00	0.96
1.00E+00	0.86
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1.00E+00	0.83
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1.00E+00	0.77
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1.00E+00	0.64
1.00E+00	1
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.58
1.00E+00	0.95
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1.00E+00	0.68
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1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.65
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.55
1.00E+00	0.93
1.00E+00	1
1.00E+00	0.93
1.00E+00	1
1.00E+00	1
1.00E+00	0.73
1.00E+00	0.93
1.00E+00	0.76
1.00E+00	0.92
1.00E+00	0.92
1.00E+00	1
1.00E+00	0.62
1.00E+00	0.89
1.00E+00	0.84
1.00E+00	0.69
1.00E+00	0.74
1.00E+00	0.89
1.00E+00	0.67
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1.00E+00	0.74
1.00E+00	1
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1.00E+00	1
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1.00E+00	0.84
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1.00E+00	0.89
1.00E+00	1
1.00E+00	0.89
1.00E+00	0.65
1.00E+00	0.91
1.00E+00	0.72

1.00E+00	0.42
1.00E+00	0.35
1.00E+00	0.45
1.00E+00	0.43

1.00E+00	0.68
1.00E+00	0.89
1.00E+00	0.84
1.00E+00	0.69
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1.00E+00	0.66
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1.00E+00	0.85
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.88
1.00E+00	0.86
1.00E+00	0.73
1.00E+00	0.86
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1.00E+00	0.91
1.00E+00	0.97
1.00E+00	1
1.00E+00	0.88
1.00E+00	0.62
1.00E+00	0.75
1.00E+00	0.92
1.00E+00	0.88
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1.00E+00	0.72
1.00E+00	0.96
1.00E+00	1
1.00E+00	0.69
1.00E+00	1
1.00E+00	0.69
1.00E+00	0.73
1.00E+00	0.9
1.00E+00	0.91
1.00E+00	0.64
1.00E+00	0.95
1.00E+00	0.95
1.00E+00	0.95
1.00E+00	0.75
1.00E+00	0.79
1.00E+00	0.78
1.00E+00	0.97
1.00E+00	0
1.00E+00	0.86
1.00E+00	1
1.00E+00	0.7
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1.00E+00	0.65
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1.00E+00	0.86
1.00E+00	0.87
1.00E+00	0.93
1.00E+00	0.7
1.00E+00	0.95
1.00E+00	0.72
1.00E+00	0.42
1.00E+00	0.38
1.00E+00	0.76
1.00E+00	0.67
1.00E+00	0.58
1.00E+00	0.67
1.00E+00	1

1.00E+00	0.77
1.00E+00	1
1.00E+00	0.97
1.00E+00	0.82
1.00E+00	0.84
1.00E+00	0.7
1.00E+00	0.9
1.00E+00	0.74
1.00E+00	0.69

1.00E+00	1
1.00E+00	0.9
1.00E+00	0.71
1.00E+00	0.92
1.00E+00	0.65
1.00E+00	1
1.00E+00	0.94
1.00E+00	1
1.00E+00	1
1.00E+00	0.83
1.00E+00	0.93
1.00E+00	0.62
1.00E+00	0.75
1.00E+00	0.67
1.00E+00	1
1.00E+00	1
1.00E+00	0.96
1.00E+00	0.89
1.00E+00	0.97
1.00E+00	0.86

1.00E+00	0.89
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1.00E+00	0.81
1.00E+00	1

1.00E+00	0.93
1.00E+00	1
1.00E+00	0.94
1.00E+00	1

1.00E+00	0.47
1.00E+00	0.51
1.00E+00	0.72
1.00E+00	0.91
1.00E+00	0.74
1.00E+00	0.73
1.00E+00	1

1.00E+00	0.76
1.00E+00	1
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.8
1.00E+00	0.72
1.00E+00	0.71
1.00E+00	0.86
1.00E+00	0.85
1.00E+00	0.75
1.00E+00	0.81
1.00E+00	0.94
1.00E+00	0.67
1.00E+00	0.81
1.00E+00	0.9
1.00E+00	0.93
1.00E+00	0.68
1.00E+00	0.68
1.00E+00	0.82
1.00E+00	0.95
1.00E+00	0.75
1.00E+00	1

1.00E+00	0.92
1.00E+00	1

1.00E+00	0.78
1.00E+00	0.87
1.00E+00	0.8
1.00E+00	0.59
1.00E+00	0.87
1.00E+00	0.94

1.00E+00	0.81
1.00E+00	0.84
1.00E+00	0.79
1.00E+00	0.95
1.00E+00	0.58
1.00E+00	0.93

1.00E+00	0.54
1.00E+00	0.89
1.00E+00	0.71
1.00E+00	0.63

1.00E+00	0.77
1.00E+00	0.9
1.00E+00	0.96
1.00E+00	0.83

1.00E+00	0.84
1.00E+00	0.76
1.00E+00	0.52
1.00E+00	0.79
1.00E+00	0.92
1.00E+00	0.81
1.00E+00	0.9
1.00E+00	0.71
1.00E+00	0.84
1.00E+00	0.92
1.00E+00	0.73
1.00E+00	0.93
1.00E+00	0.85
1.00E+00	0.87
1.00E+00	0.86
1.00E+00	0.66
1.00E+00	0.88
1.00E+00	0.66
1.00E+00	0.64
1.00E+00	0.48
1.00E+00	0.83
1.00E+00	1
1.00E+00	1
1.00E+00	0.98
1.00E+00	0.99
1.00E+00	0.83
1.00E+00	0.86
1.00E+00	0.88
1.00E+00	0.82
1.00E+00	1
1.00E+00	0.89
1.00E+00	0.87
1.00E+00	0.72
1.00E+00	0.7
1.00E+00	0.64
1.00E+00	0.69

1.00E+00	0.84
1.00E+00	0.73
1.00E+00	0.82

1.00E+00	0.9
1.00E+00	0.52

1.00E+00	1
1.00E+00	0.95
1.00E+00	0.95
1.00E+00	0.94

1.00E+00	0.94
1.00E+00	0.78
1.00E+00	0.74

1.00E+00	0.98
1.00E+00	0.79
1.00E+00	0.87

1.00E+00	0.88
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1.00E+00	0.76
1.00E+00	0.87
1.00E+00	0.87
1.00E+00	0.93
1.00E+00	0.6
1.00E+00	0.47
1.00E+00	0.59
1.00E+00	0.73
1.00E+00	0.81
1.00E+00	0.75
1.00E+00	0.86
1.00E+00	0.75
1.00E+00	1
1.00E+00	0.61
1.00E+00	0.8

1.00E+00	0.82
1.00E+00	0.85
1.00E+00	0.71
1.00E+00	0.93
1.00E+00	0.78
1.00E+00	0.77
1.00E+00	0.72
1.00E+00	0.79
1.00E+00	0.83

1.00E+00	0.65
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1.00E+00	0.65
1.00E+00	0.6
1.00E+00	0.75
1.00E+00	0.94
1.00E+00	0.84
1.00E+00	0.71
1.00E+00	1
1.00E+00	1
1.00E+00	0.67
1.00E+00	0.79
1.00E+00	0.89
1.00E+00	0.95
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.63
1.00E+00	0.57
1.00E+00	0.95
1.00E+00	0.85
1.00E+00	0.76
1.00E+00	0.5
1.00E+00	0.75
1.00E+00	0.79
1.00E+00	0.67
1.00E+00	0.79
1.00E+00	0.72
1.00E+00	1
1.00E+00	0.63
1.00E+00	1
1.00E+00	0.82
1.00E+00	0.91
1.00E+00	0.73
1.00E+00	0.94
1.00E+00	0.86
1.00E+00	0.94
1.00E+00	0.61
1.00E+00	0.77
1.00E+00	0.87
1.00E+00	0.91
1.00E+00	0.89
1.00E+00	0.64
1.00E+00	0.9

1.00E+00	0.84
1.00E+00	0.86
1.00E+00	0.92
1.00E+00	0.69
1.00E+00	0.85
1.00E+00	0.82
1.00E+00	0.66
1.00E+00	0.68
1.00E+00	0.8
1.00E+00	1
1.00E+00	0.84
1.00E+00	0.96
1.00E+00	0.93
1.00E+00	0.76
1.00E+00	0.36
1.00E+00	0.84
1.00E+00	0.68
1.00E+00	0.91
1.00E+00	0.9
1.00E+00	0.73
1.00E+00	0.54
1.00E+00	0.72
1.00E+00	0.76
1.00E+00	0.86
1.00E+00	0.81
1.00E+00	0.96
1.00E+00	0.85
1.00E+00	0.59
1.00E+00	0.71
1.00E+00	0.74
1.00E+00	1
1.00E+00	0.85
1.00E+00	0.62
1.00E+00	0.79
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.92
1.00E+00	1
1.00E+00	1
1.00E+00	0.84
1.00E+00	0.72
1.00E+00	0.86

1.00E+00	1
1.00E+00	0.59
1.00E+00	0.57
1.00E+00	0.65
1.00E+00	0.79
1.00E+00	0.95
1.00E+00	0.46
1.00E+00	0.57
1.00E+00	0.63
1.00E+00	0.77
1.00E+00	0.85
1.00E+00	0.52
1.00E+00	0.69
1.00E+00	0.85
1.00E+00	0.67
1.00E+00	0.87
1.00E+00	1
1.00E+00	0.9
1.00E+00	0.96
1.00E+00	0.67
1.00E+00	0.93
1.00E+00	0.66
1.00E+00	0.9
1.00E+00	0.85
1.00E+00	0.86
1.00E+00	0.66
1.00E+00	0.91
1.00E+00	0.51
1.00E+00	0.89
1.00E+00	0.87
1.00E+00	1
1.00E+00	0.88
1.00E+00	0.74
1.00E+00	0.85
1.00E+00	0
1.00E+00	0.81
1.00E+00	0.62

1.00E+00	0.89
1.00E+00	1
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.59
1.00E+00	0.8
1.00E+00	0.78
1.00E+00	0.89
1.00E+00	0.74
1.00E+00	0.68
1.00E+00	0.95
1.00E+00	0.91
1.00E+00	0.72
1.00E+00	0.91
1.00E+00	0.86
1.00E+00	0.86
1.00E+00	0.72
1.00E+00	0.84
1.00E+00	0.67
1.00E+00	0.96
1.00E+00	0.86
1.00E+00	0
1.00E+00	0.83
1.00E+00	0.88
1.00E+00	0.88
1.00E+00	0.89
1.00E+00	0.97
1.00E+00	0.82
1.00E+00	0.53
1.00E+00	0.8
1.00E+00	0.89
1.00E+00	1
1.00E+00	0.83
1.00E+00	0.63
1.00E+00	0.67
1.00E+00	0.62
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.92
1.00E+00	1
1.00E+00	0.78
1.00E+00	1
1.00E+00	0.88
1.00E+00	0.79
1.00E+00	0.83
1.00E+00	0.78

1.00E+00	0.72
1.00E+00	0.89
1.00E+00	0.91
1.00E+00	0.77
1.00E+00	0.83
1.00E+00	0.92
1.00E+00	0.76
1.00E+00	0.79
1.00E+00	0.7
1.00E+00	0.88
1.00E+00	0.74
1.00E+00	0.79
1.00E+00	0.85
1.00E+00	0.43
1.00E+00	0.94
1.00E+00	0.85
1.00E+00	0.76
1.00E+00	1
1.00E+00	0.72
1.00E+00	0.82
1.00E+00	1
1.00E+00	1
1.00E+00	0.82
1.00E+00	1
1.00E+00	0.81
1.00E+00	0.61
1.00E+00	0.92
1.00E+00	0.55
1.00E+00	1
1.00E+00	1
1.00E+00	0.89
1.00E+00	1
1.00E+00	0.87
1.00E+00	0.88

1.00E+00	1
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1.00E+00	0.83
1.00E+00	1

1.00E+00	0.53
1.00E+00	0.9
1.00E+00	0.63
1.00E+00	0.95

1.00E+00	0.73
1.00E+00	0.74
1.00E+00	0.52
1.00E+00	0.4
1.00E+00	0.78
1.00E+00	1
1.00E+00	0.89
1.00E+00	0.89

1.00E+00	0.91
1.00E+00	1
1.00E+00	0.49
1.00E+00	0.63
1.00E+00	0.95
1.00E+00	0.73
1.00E+00	0.77

1.00E+00	0.85
1.00E+00	0.78
1.00E+00	0.67
1.00E+00	0.68
1.00E+00	0.7
1.00E+00	1
1.00E+00	0.91
1.00E+00	1

1.00E+00	1
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1.00E+00	0.91
1.00E+00	0.91
1.00E+00	0.9
1.00E+00	1
1.00E+00	1

1.00E+00	0.95
1.00E+00	0.65
1.00E+00	0.85
1.00E+00	0.89
1.00E+00	0.57

1.00E+00	0.93
1.00E+00	0.84

1.00E+00	0.62
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1.00E+00	0.76
1.00E+00	0.69

1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.89
1.00E+00	0.75
1.00E+00	0.95
1.00E+00	0.87
1.00E+00	0.94
1.00E+00	0.81
1.00E+00	0.71
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.81
1.00E+00	1
1.00E+00	0.73
1.00E+00	0.86
1.00E+00	0.85
1.00E+00	0.86
1.00E+00	1
1.00E+00	0.63
1.00E+00	0.76
1.00E+00	0.78
1.00E+00	1
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.75
1.00E+00	0.94
1.00E+00	0.84
1.00E+00	0.68
1.00E+00	0.84
1.00E+00	0.86
1.00E+00	0.93
1.00E+00	0.65
1.00E+00	0.92
1.00E+00	0.97
1.00E+00	1
1.00E+00	0.89
1.00E+00	0.91
1.00E+00	0.9
1.00E+00	0.77
1.00E+00	0.87

1.00E+00	0.72
1.00E+00	0.59
1.00E+00	0.69
1.00E+00	0.95
1.00E+00	0.61
1.00E+00	0.88

1.00E+00	0.96
1.00E+00	0.89
1.00E+00	0.86
1.00E+00	0.72
1.00E+00	0.84
1.00E+00	0.67
1.00E+00	0.86
1.00E+00	0.92
1.00E+00	0
1.00E+00	0.87
1.00E+00	0.44
1.00E+00	0.93
1.00E+00	0.98
1.00E+00	1

1.00E+00	0.85
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1.00E+00	0.92
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1.00E+00	0.77
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.95

1.00E+00	0.86
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1.00E+00	0.76
1.00E+00	0.52
1.00E+00	0.5
1.00E+00	0.7
1.00E+00	0.55
1.00E+00	0.84
1.00E+00	0.9

1.00E+00	0.82
1.00E+00	0.91
1.00E+00	0.92

1.00E+00	0.68
1.00E+00	0.77
1.00E+00	0.78
1.00E+00	1
1.00E+00	0.83
1.00E+00	0.61
1.00E+00	1
1.00E+00	0.64
1.00E+00	0.9
1.00E+00	0.92
1.00E+00	1

1.00E+00	0.66
1.00E+00	0.87
1.00E+00	0.79
1.00E+00	1
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.64
1.00E+00	1
1.00E+00	0.6
1.00E+00	1
1.00E+00	1
1.00E+00	0.71
1.00E+00	0.79

1.00E+00	0.92
1.00E+00	0.91
1.00E+00	0.95
1.00E+00	0.95
1.00E+00	0.91
1.00E+00	0.82

1.00E+00	0.76
1.00E+00	0.81
1.00E+00	0.88
1.00E+00	1

1.00E+00	1
1.00E+00	1
1.00E+00	0.78
1.00E+00	0.81
1.00E+00	0.86
1.00E+00	0.92
1.00E+00	0.84
1.00E+00	0.72
1.00E+00	0.58
1.00E+00	0.96

1.00E+00	0.88
1.00E+00	1
1.00E+00	1
1.00E+00	0.87
1.00E+00	0.73
1.00E+00	1
1.00E+00	0.45
1.00E+00	0.74
1.00E+00	0.52
1.00E+00	0.81
1.00E+00	1
1.00E+00	0.84
1.00E+00	0.8

1.00E+00	1
1.00E+00	0.84
1.00E+00	0.72
1.00E+00	0.81
1.00E+00	0.8
1.00E+00	0.89
1.00E+00	0.67
1.00E+00	0.65
1.00E+00	0.88

1.00E+00	0.92
1.00E+00	0.9

1.00E+00	0.89
1.00E+00	0.92

1.00E+00	0.92
1.00E+00	0.68
1.00E+00	0.87

1.00E+00	0.7
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1.00E+00	0.43
1.00E+00	0.68

1.00E+00	0.79
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1.00E+00	0.82
1.00E+00	0.6
1.00E+00	0.68
1.00E+00	1

1.00E+00	0.72
1.00E+00	0.94
1.00E+00	0.97
1.00E+00	0.79

1.00E+00	0.87
1.00E+00	0.48
1.00E+00	0.78
1.00E+00	0.93
1.00E+00	0.69
1.00E+00	0.77
1.00E+00	0.74
1.00E+00	1

1.00E+00	0.6
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1.00E+00	0.93
1.00E+00	0.92
1.00E+00	0.82

1.00E+00	0.91
1.00E+00	0.87
1.00E+00	0.71
1.00E+00	0.71
1.00E+00	0.86
1.00E+00	0.9

1.00E+00	0.91
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1.00E+00	1
1.00E+00	0.84

1.00E+00	0.57
1.00E+00	0.71
1.00E+00	1
1.00E+00	0

1.00E+00	0.92
1.00E+00	0.82
1.00E+00	0.77
1.00E+00	0.78
1.00E+00	0.84
1.00E+00	0.85
1.00E+00	1

1.00E+00	1
1.00E+00	0.92
1.00E+00	0.86
1.00E+00	0.81
1.00E+00	0.85
1.00E+00	1
1.00E+00	0.8
1.00E+00	0.72
1.00E+00	0.83
1.00E+00	0.65
1.00E+00	0.89
1.00E+00	0.87
1.00E+00	0.76
1.00E+00	1
1.00E+00	0.84
1.00E+00	0.68
1.00E+00	0.78
1.00E+00	0.79
1.00E+00	0.95
1.00E+00	0.9
1.00E+00	0.96
1.00E+00	1
1.00E+00	1
1.00E+00	0.5
1.00E+00	0.51
1.00E+00	0.73
1.00E+00	0.87
1.00E+00	0.9
1.00E+00	0.86
1.00E+00	0.74
1.00E+00	0.81
1.00E+00	0.87
1.00E+00	0.56
1.00E+00	0.83
1.00E+00	0.75
1.00E+00	1
1.00E+00	0.64
1.00E+00	1
1.00E+00	0.84
1.00E+00	1

1.00E+00	1
1.00E+00	0.55
1.00E+00	0.93
1.00E+00	0.91
1.00E+00	0.94
1.00E+00	0.83
1.00E+00	0.89
1.00E+00	0.85
1.00E+00	0.92
1.00E+00	1
1.00E+00	0.79
1.00E+00	0.81
1.00E+00	0.91
1.00E+00	0.63
1.00E+00	0.77
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.98
1.00E+00	0.96
1.00E+00	0.83
1.00E+00	0.86
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1.00E+00	0.76
1.00E+00	1
1.00E+00	0.81
1.00E+00	0.85
1.00E+00	0.89
1.00E+00	0.78
1.00E+00	0.96
1.00E+00	0.69
1.00E+00	0.84
1.00E+00	0.65
1.00E+00	0.77
1.00E+00	0.73
1.00E+00	0.87
1.00E+00	0.77
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.66
1.00E+00	0.98
1.00E+00	0.67
1.00E+00	0.52

1.00E+00	0.85
1.00E+00	0.87
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.84
1.00E+00	0.95
1.00E+00	0.72
1.00E+00	0.87
1.00E+00	0.87
1.00E+00	0.7
1.00E+00	0.87
1.00E+00	1
1.00E+00	1
1.00E+00	0.53
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.89
1.00E+00	0.96
1.00E+00	0.82
1.00E+00	0.76
1.00E+00	0.63
1.00E+00	0.85
1.00E+00	0.95
1.00E+00	0.63
1.00E+00	0.55
1.00E+00	0.84
1.00E+00	0.74
1.00E+00	0.77
1.00E+00	0.74
1.00E+00	0.73
1.00E+00	0.96
1.00E+00	0.74
1.00E+00	1
1.00E+00	1
1.00E+00	0.7
1.00E+00	0.92
1.00E+00	1
1.00E+00	0.54
1.00E+00	0.92
1.00E+00	0.8
1.00E+00	0.96

1.00E+00	0.94
1.00E+00	0.92
1.00E+00	0.8
1.00E+00	0.73
1.00E+00	0.67
1.00E+00	0.94
1.00E+00	0.75
1.00E+00	1
1.00E+00	0.57
1.00E+00	1
1.00E+00	1
1.00E+00	0.53
1.00E+00	0.74
1.00E+00	0.88
1.00E+00	1
1.00E+00	0.93
1.00E+00	1
1.00E+00	0.72
1.00E+00	1
1.00E+00	0.81
1.00E+00	0.94
1.00E+00	0.65
1.00E+00	0.61
1.00E+00	0.92
1.00E+00	0
1.00E+00	0.84
1.00E+00	0.87
1.00E+00	0.73
1.00E+00	0.57
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.88
1.00E+00	0.91
1.00E+00	0.95
1.00E+00	0.86
1.00E+00	0.9
1.00E+00	0.44
1.00E+00	0.86
1.00E+00	0.79
1.00E+00	0.46
1.00E+00	0.88
1.00E+00	0.55

1.00E+00	0.61
1.00E+00	1
1.00E+00	0.83
1.00E+00	1
1.00E+00	1
1.00E+00	0.82
1.00E+00	0.88
1.00E+00	0.9
1.00E+00	0.75
1.00E+00	1
1.00E+00	0.75
1.00E+00	0.85
1.00E+00	0.78
1.00E+00	0.81
1.00E+00	0.54
1.00E+00	0.89
1.00E+00	0.85
1.00E+00	1
1.00E+00	0.7
1.00E+00	0.96
1.00E+00	1
1.00E+00	0.57
1.00E+00	1
1.00E+00	0.57
1.00E+00	0.81
1.00E+00	0.89
1.00E+00	0.8
1.00E+00	0.94
1.00E+00	0.59
1.00E+00	0.89
1.00E+00	0.51
1.00E+00	0.74
1.00E+00	0.96
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.83
1.00E+00	0.94

1.00E+00	0.74
1.00E+00	0.7
1.00E+00	0.9
1.00E+00	0.58
1.00E+00	0.78
1.00E+00	0.89
1.00E+00	0.91
1.00E+00	0.92
1.00E+00	0.7
1.00E+00	0.69
1.00E+00	0.61
1.00E+00	0.94
1.00E+00	0.77
1.00E+00	0.92
1.00E+00	0.89
1.00E+00	0.71
1.00E+00	0.67
1.00E+00	0.87
1.00E+00	0.89
1.00E+00	0.78
1.00E+00	0.87
1.00E+00	0.7
1.00E+00	0.91
1.00E+00	0.79
1.00E+00	0.8
1.00E+00	0.63
1.00E+00	0.82
1.00E+00	0.81
1.00E+00	0.47
1.00E+00	0.8
1.00E+00	0.75
1.00E+00	0.81
1.00E+00	0.71
1.00E+00	0.83
1.00E+00	0.39
1.00E+00	0.86
1.00E+00	0.7
1.00E+00	0.5
1.00E+00	0.95
1.00E+00	0.95
1.00E+00	1
1.00E+00	0.96
1.00E+00	0.56
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.89
1.00E+00	0.65
1.00E+00	0.89

1.00E+00	0.85
1.00E+00	0.78
1.00E+00	1
1.00E+00	0.73
1.00E+00	0.63
1.00E+00	0.64
1.00E+00	0.9
1.00E+00	0.73
1.00E+00	0.76
1.00E+00	0.76
1.00E+00	0.63
1.00E+00	0.58
1.00E+00	0.74
1.00E+00	0.94
1.00E+00	0.89
1.00E+00	0.93
1.00E+00	0.93
1.00E+00	0.97
1.00E+00	0.57
1.00E+00	0.95
1.00E+00	0.98
1.00E+00	0.67
1.00E+00	0.96
1.00E+00	0.85
1.00E+00	0.96
1.00E+00	0.9
1.00E+00	0.91
1.00E+00	0.91
1.00E+00	0.9
1.00E+00	0.94
1.00E+00	0.46
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.71
1.00E+00	0.77
1.00E+00	0.93
1.00E+00	0.95
1.00E+00	0.88
1.00E+00	1
1.00E+00	1
1.00E+00	0.74
1.00E+00	1
1.00E+00	0.88
1.00E+00	0.89

1.00E+00	1
1.00E+00	0.85

1.00E+00	1
1.00E+00	0.83
1.00E+00	0.76
1.00E+00	0.96
1.00E+00	0.71
1.00E+00	1
1.00E+00	0.89
1.00E+00	0.86

1.00E+00	0
1.00E+00	0.62
1.00E+00	0.5
1.00E+00	0.8
1.00E+00	0.94
1.00E+00	0.9
1.00E+00	0.96
1.00E+00	0.96
1.00E+00	0.77
1.00E+00	0.72
1.00E+00	0.47
1.00E+00	0.69
1.00E+00	0.69
1.00E+00	0.63
1.00E+00	0.91
1.00E+00	0.95
1.00E+00	0.89
1.00E+00	0.88
1.00E+00	0.91

1.00E+00	0.92
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1.00E+00	0.62
1.00E+00	1
1.00E+00	0.7
1.00E+00	0.63
1.00E+00	0.75

1.00E+00	0.89
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1.00E+00	1
1.00E+00	0.96

1.00E+00	0.91
1.00E+00	0.92
1.00E+00	0.94

1.00E+00	0.93
1.00E+00	0.91
1.00E+00	0.83
1.00E+00	0.75
1.00E+00	0.87
1.00E+00	0.83
1.00E+00	1
1.00E+00	0
1.00E+00	0.49

1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.68
1.00E+00	0.89
1.00E+00	0.82

1.00E+00	0.77
1.00E+00	0.86
1.00E+00	0.71
1.00E+00	0.65
1.00E+00	0.88

1.00E+00	1
1.00E+00	0.96
1.00E+00	0.8
1.00E+00	0.97
1.00E+00	0.83
1.00E+00	0.93
1.00E+00	1

1.00E+00	0.67
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1.00E+00	0.7
1.00E+00	0.71
1.00E+00	0.95
1.00E+00	0.88
1.00E+00	0.93
1.00E+00	0.69
1.00E+00	0.6
1.00E+00	0.71

1.00E+00	0.72
1.00E+00	0.46
1.00E+00	0.94
1.00E+00	0.89
1.00E+00	1
1.00E+00	0.96

1.00E+00	0.77
1.00E+00	1
1.00E+00	0.87
1.00E+00	0.86
1.00E+00	0.95
1.00E+00	0.68
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.97
1.00E+00	0.8
1.00E+00	0.61
1.00E+00	0.65
1.00E+00	0.86
1.00E+00	0.96
1.00E+00	0.9
1.00E+00	0.92
1.00E+00	0.96
1.00E+00	0.95
1.00E+00	0.96
1.00E+00	0.81
1.00E+00	0.85
1.00E+00	0.69
1.00E+00	0.65
1.00E+00	1

1.00E+00	1
1.00E+00	0.78
1.00E+00	0.77
1.00E+00	0.7
1.00E+00	0.67
1.00E+00	0.76
1.00E+00	0.79
1.00E+00	0.84
1.00E+00	0.55
1.00E+00	0.83
1.00E+00	0.66
1.00E+00	0.96
1.00E+00	0.82
1.00E+00	0.74
1.00E+00	1
1.00E+00	0.83
1.00E+00	0.74
1.00E+00	0.92

1.00E+00	0.92
1.00E+00	0.85
1.00E+00	0.48
1.00E+00	0.95
1.00E+00	0.78
1.00E+00	0.93
1.00E+00	0.87

1.00E+00	0.75
1.00E+00	0.84
1.00E+00	0.92
1.00E+00	0.87
1.00E+00	0.95

1.00E+00	0.66
1.00E+00	0.86
1.00E+00	1
1.00E+00	1
1.00E+00	0.83
1.00E+00	0.77
1.00E+00	0.51
1.00E+00	0.62
1.00E+00	0.86
1.00E+00	0.54
1.00E+00	0.76
1.00E+00	0.71
1.00E+00	0.68
1.00E+00	1
1.00E+00	0.81
1.00E+00	0.8

1.00E+00	0.94
1.00E+00	0.97
1.00E+00	0.72
1.00E+00	0.64
1.00E+00	0.91
1.00E+00	0.78
1.00E+00	0.96
1.00E+00	0.83
1.00E+00	0.53
1.00E+00	0.62
1.00E+00	0.6

1.00E+00	0.84
1.00E+00	0.86
1.00E+00	0.95
1.00E+00	0.9
1.00E+00	0.95
1.00E+00	1

1.00E+00	1
1.00E+00	0.84
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.97
1.00E+00	0.69
1.00E+00	0.84
1.00E+00	0.79
1.00E+00	0.58
1.00E+00	0.64
1.00E+00	1
1.00E+00	0.8
1.00E+00	0.7
1.00E+00	0.84
1.00E+00	0.85
1.00E+00	0.89
1.00E+00	0.84
1.00E+00	0
1.00E+00	1
1.00E+00	0.77
1.00E+00	0.84
1.00E+00	0.63
1.00E+00	0.94
1.00E+00	0.66
1.00E+00	0.84
1.00E+00	0.86
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.86
1.00E+00	0.94
1.00E+00	0.83
1.00E+00	0.69
1.00E+00	0.82
1.00E+00	0.82
1.00E+00	1
1.00E+00	0.91
1.00E+00	1
1.00E+00	1
1.00E+00	0.56
1.00E+00	0.75
1.00E+00	0.94
1.00E+00	0.84
1.00E+00	0.87
1.00E+00	1
1.00E+00	0.75

1.00E+00	0.74
1.00E+00	0.94
1.00E+00	0.84
1.00E+00	0.87
1.00E+00	1
1.00E+00	1
1.00E+00	0.94

1.00E+00	0.66
1.00E+00	0.87
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.76
1.00E+00	0.6
1.00E+00	0.8
1.00E+00	0.7

1.00E+00	0.87
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1.00E+00	0.88
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1.00E+00	0.85
1.00E+00	0.85

1.00E+00	0.61
1.00E+00	0.77
1.00E+00	0.88
1.00E+00	1

1.00E+00	0.87
1.00E+00	0.84
1.00E+00	0.59
1.00E+00	0.87
1.00E+00	0.98
1.00E+00	0.56

1.00E+00	0.75
1.00E+00	0.85

1.00E+00	0.63
1.00E+00	0.95
1.00E+00	0.73

1.00E+00	0.86
1.00E+00	0.75
1.00E+00	1
1.00E+00	0.61
1.00E+00	0.97
1.00E+00	0.92
1.00E+00	0.79
1.00E+00	0.68
1.00E+00	0.92
1.00E+00	0.63
1.00E+00	0.78
1.00E+00	0.68
1.00E+00	0.89
1.00E+00	0.92
1.00E+00	0.63
1.00E+00	1
1.00E+00	0.74
1.00E+00	1
1.00E+00	1
1.00E+00	0.67
1.00E+00	0.93
1.00E+00	1
1.00E+00	0.75
1.00E+00	0.94
1.00E+00	0.73
1.00E+00	0.88
1.00E+00	0.93
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.82
1.00E+00	1
1.00E+00	0.86
1.00E+00	0.92
1.00E+00	0.88
1.00E+00	0.9
1.00E+00	1
1.00E+00	0.91
1.00E+00	0.93
1.00E+00	0.75
1.00E+00	0.98
1.00E+00	1
1.00E+00	0.95

1.00E+00	0.94
1.00E+00	0.82
1.00E+00	0.92
1.00E+00	1
1.00E+00	1
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.63
1.00E+00	0.67
1.00E+00	0.62
1.00E+00	0.73
1.00E+00	0.94
1.00E+00	0.63
1.00E+00	0.78
1.00E+00	0.9
1.00E+00	0.97
1.00E+00	0.93
1.00E+00	1
1.00E+00	0.96
1.00E+00	0.7
1.00E+00	0.92
1.00E+00	0.92
1.00E+00	0.91
1.00E+00	0.94
1.00E+00	0.58
1.00E+00	0.6
1.00E+00	0.97
1.00E+00	0.93
1.00E+00	0.8
1.00E+00	0.69
1.00E+00	0.96
1.00E+00	0.76
1.00E+00	0.82
1.00E+00	0.74
1.00E+00	1
1.00E+00	0.65
1.00E+00	0.79
1.00E+00	0.74
1.00E+00	0.58
1.00E+00	1
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.77
1.00E+00	1
1.00E+00	0.55
1.00E+00	0.9

1.00E+00	0.69
1.00E+00	1
1.00E+00	0.78
1.00E+00	0.96
1.00E+00	0.82
1.00E+00	0.44
1.00E+00	1
1.00E+00	0.94
1.00E+00	0.77
1.00E+00	0.92

1.00E+00	0.67
1.00E+00	1
1.00E+00	1
1.00E+00	0.71
1.00E+00	0.37
1.00E+00	0.75
1.00E+00	0.9

1.00E+00	0.96
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1.00E+00	1
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1.00E+00	1
1.00E+00	0.78
1.00E+00	0.77
1.00E+00	0.66
1.00E+00	1

1.00E+00	0.92
1.00E+00	0.88

1.00E+00	0.77
1.00E+00	0.82
1.00E+00	0.96

1.00E+00	0.9
1.00E+00	1

1.00E+00	0.86
1.00E+00	0.77
1.00E+00	0.9
1.00E+00	0.83
1.00E+00	0.87
1.00E+00	0.73

1.00E+00	0.84
1.00E+00	0.85
1.00E+00	0.87

1.00E+00	0.92
1.00E+00	0.77
1.00E+00	0.85
1.00E+00	0.47
1.00E+00	0.77
1.00E+00	1
1.00E+00	0.76
1.00E+00	1
1.00E+00	0.94

1.00E+00	0.75
1.00E+00	0.88
1.00E+00	0.89
1.00E+00	0.87
1.00E+00	0.97
1.00E+00	0.96
1.00E+00	1
1.00E+00	1
1.00E+00	0.57
1.00E+00	0.95
1.00E+00	0.88

1.00E+00	0.87
1.00E+00	0.73
1.00E+00	0.57
1.00E+00	0.78
1.00E+00	0.84
1.00E+00	0.44
1.00E+00	0.89
1.00E+00	1
1.00E+00	1

1.00E+00	0.92
1.00E+00	0.78
1.00E+00	0
1.00E+00	0.81
1.00E+00	0.53
1.00E+00	0.75
1.00E+00	1
1.00E+00	1
1.00E+00	0.74
1.00E+00	0.84
1.00E+00	0.8
1.00E+00	0.66

1.00E+00	0.61
1.00E+00	0.65
1.00E+00	0.94
1.00E+00	0.92
1.00E+00	0.95
1.00E+00	0.81
1.00E+00	0.72
1.00E+00	1
1.00E+00	1
1.00E+00	0.49
1.00E+00	0.94
1.00E+00	0.93
1.00E+00	0.88
1.00E+00	1
1.00E+00	0.35
1.00E+00	0.95
1.00E+00	0.64
1.00E+00	1
1.00E+00	0.92
1.00E+00	0.68
1.00E+00	0.79
1.00E+00	0.9
1.00E+00	0.61
1.00E+00	0.89
1.00E+00	0.84
1.00E+00	1
1.00E+00	0
1.00E+00	0.63
1.00E+00	0.53
1.00E+00	0.9
1.00E+00	0.71
1.00E+00	0.95
1.00E+00	0.82
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.86
1.00E+00	0.9
1.00E+00	1
1.00E+00	1
1.00E+00	0.96
1.00E+00	0.65
1.00E+00	0.68

1.00E+00	0.79
1.00E+00	0.85
1.00E+00	0.91
1.00E+00	0.81
1.00E+00	0.87
1.00E+00	0.65
1.00E+00	1
1.00E+00	0.52
1.00E+00	0.47
1.00E+00	0.77
1.00E+00	0.49
1.00E+00	1
1.00E+00	0.8
1.00E+00	0.7
1.00E+00	0.7
1.00E+00	0.71
1.00E+00	0.66
1.00E+00	0.66
1.00E+00	0.92
1.00E+00	0.88
1.00E+00	0.82
1.00E+00	0.71
1.00E+00	0.74
1.00E+00	1
1.00E+00	0.77
1.00E+00	0.9
1.00E+00	0.79
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.88
1.00E+00	0.97
1.00E+00	0.98
1.00E+00	1
1.00E+00	0.76
1.00E+00	0.81
1.00E+00	1
1.00E+00	0.66
1.00E+00	0.75
1.00E+00	1
1.00E+00	0.55
1.00E+00	0.89
1.00E+00	0.63
1.00E+00	1

1.00E+00	0.87
1.00E+00	0.7
1.00E+00	0.89
1.00E+00	0.88
1.00E+00	0.56
1.00E+00	0.55
1.00E+00	0.86
1.00E+00	0.96
1.00E+00	0.97
1.00E+00	0.63
1.00E+00	0.71
1.00E+00	0.79
1.00E+00	0.73
1.00E+00	0.94
1.00E+00	0.9
1.00E+00	0.94
1.00E+00	0.9
1.00E+00	0.84
1.00E+00	0.92
1.00E+00	0.73
1.00E+00	0.89
1.00E+00	0.91
1.00E+00	0.67
1.00E+00	0.81
1.00E+00	0.64
1.00E+00	1
1.00E+00	0.79
1.00E+00	0.62
1.00E+00	0.87
1.00E+00	0.35
1.00E+00	0.95
1.00E+00	0.91
1.00E+00	0.67
1.00E+00	0.61
1.00E+00	0.93
1.00E+00	1
1.00E+00	0.49
1.00E+00	0.77
1.00E+00	1

1.00E+00	0.72
1.00E+00	0.91
1.00E+00	1
1.00E+00	0.73
1.00E+00	1
1.00E+00	0.69
1.00E+00	0.77
1.00E+00	0.86
1.00E+00	0.88
1.00E+00	0.82
1.00E+00	0.81
1.00E+00	1
1.00E+00	0.95
1.00E+00	0.8
1.00E+00	1
1.00E+00	0.52
1.00E+00	0.47
1.00E+00	0.65
1.00E+00	0.52
1.00E+00	0.47
1.00E+00	0.63
1.00E+00	0.68
1.00E+00	0.58
1.00E+00	0.83
1.00E+00	0.56
1.00E+00	0.82
1.00E+00	0.91
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1.00E+00	0.86
1.00E+00	0.91
1.00E+00	0.92
1.00E+00	0.63
1.00E+00	0.82
1.00E+00	1
1.00E+00	0.58
1.00E+00	0.87
1.00E+00	0.96
1.00E+00	0.86
1.00E+00	0.8
1.00E+00	0.63
1.00E+00	0.8
1.00E+00	0.75
1.00E+00	1
1.00E+00	0.58

1.00E+00	0.66
1.00E+00	1
1.00E+00	0.57
1.00E+00	0.62
1.00E+00	0.93
1.00E+00	0.7
1.00E+00	0.73
1.00E+00	0.86
1.00E+00	0.79
1.00E+00	0.59
1.00E+00	1
1.00E+00	0.93
1.00E+00	0.79

1.00E+00	0.89
1.00E+00	0.95
1.00E+00	0.72
1.00E+00	0.52
1.00E+00	0.75
1.00E+00	0.85
1.00E+00	0.78

1.00E+00	0.92
1.00E+00	1
1.00E+00	0.81
1.00E+00	0.62
1.00E+00	0.86
1.00E+00	0.86
1.00E+00	0.69
1.00E+00	0.79
1.00E+00	0.87
1.00E+00	0.76
1.00E+00	0.85
1.00E+00	0.83

1.00E+00	1
1.00E+00	1
1.00E+00	0.74
1.00E+00	0.77

1.00E+00	0.75
1.00E+00	0.81
1.00E+00	1
1.00E+00	0.63
1.00E+00	0.95

1.00E+00	0.8
1.00E+00	0.67

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1.00E+00	0.7
1.00E+00	1
1.00E+00	0.88
1.00E+00	0.82
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1.00E+00	0.52
1.00E+00	1
1.00E+00	0.79
1.00E+00	1
1.00E+00	0.84
1.00E+00	1
1.00E+00	1
1.00E+00	0.65
1.00E+00	0.65
1.00E+00	0.82
1.00E+00	0.71
1.00E+00	0.88
1.00E+00	0.6
1.00E+00	0.82
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1.00E+00	0.96
1.00E+00	0.33
1.00E+00	0.97
1.00E+00	0.58
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1.00E+00	0.9
1.00E+00	0.84
1.00E+00	0.5

1.00E+00	0.59
1.00E+00	0.87

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1.00E+00	0.34
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1.00E+00	0.91
1.00E+00	0.74
1.00E+00	1
1.00E+00	0.81
1.00E+00	0.57
1.00E+00	1
1.00E+00	0.51
1.00E+00	1
1.00E+00	0.65

1.00E+00	0.95
1.00E+00	0.71
1.00E+00	0.77
1.00E+00	1
1.00E+00	0.68
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1.00E+00	0.84
1.00E+00	0.94
1.00E+00	0.63
1.00E+00	1
1.00E+00	0.84
1.00E+00	0.54
1.00E+00	0.72
1.00E+00	0.55
1.00E+00	0.72
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1.00E+00	0.78
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1.00E+00	0.43
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1.00E+00	0.86
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1.00E+00	0.8
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1.00E+00	0.55
1.00E+00	0.74
1.00E+00	0.48
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1.00E+00	0.94
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1.00E+00	0.9
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1.00E+00	0.55
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1.00E+00	0.92
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1.00E+00	0.33
1.00E+00	0.89
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1.00E+00	1
1.00E+00	0.82

1.00E+00	0.94
1.00E+00	0.77
1.00E+00	0.86
1.00E+00	1
1.00E+00	0.78
1.00E+00	1
1.00E+00	0.74
1.00E+00	0.82
1.00E+00	0.94
1.00E+00	1
1.00E+00	0.88
1.00E+00	0.95
1.00E+00	0.92
1.00E+00	0.7
1.00E+00	0.9
1.00E+00	0.93
1.00E+00	1
1.00E+00	0.68
1.00E+00	0.66
1.00E+00	0.59
1.00E+00	0.79
1.00E+00	0.75
1.00E+00	0.9
1.00E+00	0.79
1.00E+00	1
1.00E+00	0.76
1.00E+00	1
1.00E+00	0.87
1.00E+00	0.54
1.00E+00	0.84
1.00E+00	0.75
1.00E+00	0.93
1.00E+00	0.86
1.00E+00	0.9

Supplemental Table S3. iTRAQ data of proteomics analysis during primary of peptides and protein groups (A), and unique peptide, protein

ing chromoplast differentiation and list of quantitative proteins
tein groups used for quantitative comparison are listed in the table

Supplemental Table S4: Characteristics of the 1386 citrus pulp plastid protein iTRAQ.

The raw data were searched against a non-redundant Protein Index *C.sinensis* p (Huazhong Agricultural University; <http://citrus.hzau.edu.cn>) and the proteome from the chloroplastic genome (accession no. NC_008334). Identified proteins ("identifications") are depicted by the accession, molecular weight (MW), and the identified peptides per protein in two 8-plex iTRAQ experiments. The subcellular localization was predicted by the TargetP (<http://www.cbs.dtu.dk/services/TargetP/>), Predotar (<http://urgi.versailles.inra.fr/predotar/predotar.html>), and WoLF PSORT (<http://www.hgc.jp/~wolfpsort/>). Homologies of the detected proteins were searched against five plastidial databases: (i) two databases specific to plastids (Plprot, <http://www.plprot.ethz.ch/>; AT_CHLORO, http://www.grenoble.prabi.fr/at_chloro/); and (ii) three databases comprising plant databases (SUBA, <http://suba.plantenergy.uwa.edu.au/>; PPDB, <http://ppdb.tc.cornell.edu/>; Uniprot, <http://www.uniprot.org/>). We accepted those proteins as true plastid proteins (column "BLAST-search & subcellular localization") which (i) at least one targeting predictor predicted to localize in the plastid, and (ii) at least two of the five databases mentioned above (Plprot, AT_CHLORO, SUBA, PPDB, UNIPROT). All proteins encoded by the plastid genome (listed as GI code) were retained. GI codes were added to novel putative plastid proteins (present research).

candidates identified by

protein database

sequences predicted

(column "protein

≠ number of different

lar localization was

(<http://wolfpsort.seq.cbrc.jp/>).

cases: (i) two that are

astidial subsets (SUBA,

<http://www.uniprot.org/>).

subcellular localization")

/or (ii) presence in at

, PPDB, and Uniprot).

gray-shaded proteins refer

Accession	MW	Annotation	AT homolog	Mapman class
Cs4g08160	57251	Symbols: AtUK/UPRT1 | AtUK/UPRT1 (Urid	AT5G4087	23.3.2. nucleotide metabolis
Cs9g09660	27540	Symbols: DAL1, DAL | DAL1 (DIFFERENT	AT2G3343	27.1.5 ^d RNA editing
Cs9g02160	28975	Symbols: ECHIA, E-COAH-2 | ECHIA (ENC	AT4G1621	13.2.6. amino acid metabolis
orange1.1t	53112	Symbols: HOG1, EMB1395, SAHH1, MEE5	AT4G1394	13.2.3. amino acid metabolis
Cs8g15790	27242	lactoylglutathione lyase, putative / glyoxalase	AT1G0811	13.2.3. amino acid metabolis
Cs2g02990	32579	Symbols: ATGLX1 | ATGLX1 (GLYOXAL	AT1G1184	13.2.3. amino acid metabolis
Cs4g19590	42363	lactoylglutathione lyase, putative / glyoxalase	AT1G6728	13.2.3. amino acid metabolis
orange1.1t	39325	lactoylglutathione lyase, putative / glyoxalase	AT1G6728	13.2.3. amino acid metabolis
Cs5g14770	33153	Symbols: GLX2-3, ETHE1, GLY3 | GLY3 (C	AT1G5358	13.2.3. amino acid metabolis
Cs2g08060	51574	Symbols: DELTA-OAT | delta-OAT; ornithin	AT5G4618	13.2.2. amino acid metabolis
orange1.1t	36987	arginase | chr4:5703347-5705346 FORWARD	AT4G0890	13.2.2. amino acid metabolis
Cs5g04170	61453	Symbols: ALDH12A1, ATP5CDH, P5CDH |	AT5G6253	13.2.2. amino acid metabolis
Cs4g12840	41146	Symbols: ST1, ATMST1, MST1, ATRDH1,	AT1G7923	13.2.5. amino acid metabolis
Cs2g02890	44447	aminomethyltransferase, putative | chr1:4001	AT1G1186	13.2.5. amino acid metabolis
orange1.1t	55780	Symbols: DHS2 | DHS2 (3-deoxy-d-arabino-l	AT4G3351	13.1.6. amino acid metabolis
Cs3g18030	58542	2-dehydro-3-deoxyphosphoheptonate aldolase	AT1G2241	13.1.6. amino acid metabolis
orange1.1t	55672	3-phosphoshikimate 1-carboxyvinyltransferas	AT2G4530	13.1.6. amino acid metabolis
Cs7g27180	47889	Symbols: EMB1144 | EMB1144 (embryo def	AT1G4885	13.1.6. amino acid metabolis
Cs9g05070	57478	Symbols: EMB3004, MEE32 | MEE32 (MAT	AT3G0635	13.1.6. amino acid metabolis
Cs6g21940	36617	Symbols: CM1, ATCM1 | CM1 (CHORISMA	AT3G2920	13.1.6. amino acid metabolis
orange1.1t	42817	prephenate dehydrogenase family protein | ch	AT1G1571	13.1.6. amino acid metabolis
Cs8g17280	43809	Symbols: ADT2 | ADT2 (arogenate dehydrata	AT3G0763	13.1.6. amino acid metabolis
Cs2g21240	41720	Symbols: ADT1 | ADT1 (arogenate dehydrata	AT1G1179	13.1.6. amino acid metabolis
Cs2g03010	43913	Symbols: ADT1 | ADT1 (arogenate dehydrata	AT1G1179	13.1.6. amino acid metabolis
Cs7g09290	65061	anthranilate phosphoribosyltransferase, putati	AT1G7057	13.1.6. amino acid metabolis
Cs2g17930	31039	Symbols: ASB1, TRP4, WEI7 | ASB1 (ANTF	AT1G2522	13.1.6. amino acid metabolis
Cs2g19140	43921	indole-3-glycerol phosphate synthase, putativ	AT5G4822	13.1.6. amino acid metabolis
Cs7g30990	30088	Symbols: PAI1, TRP6 | PAI1 (PHOSPHORIE	AT1G0778	13.1.6. amino acid metabolis
orange1.1t	50589	Symbols: TSB1, TRPB, TRP2, ATTSB1 | TS	AT5G5481	13.1.6. amino acid metabolis
Cs8g07420	53524	diaminopimelate decarboxylase, putative / D	AT5G1188	13.1.3. amino acid metabolis
Cs6g05610	45010	diaminopimelate epimerase family protein | c	AT3G5358	13.1.3. amino acid metabolis
orange1.1t	38151	dihydrodipicolinate reductase family protein |	AT2G4404	13.1.3. amino acid metabolis
Cs3g15560	38519	Symbols: DHDPS2 | DHDPS2 (DIHYDROD	AT2G4544	13.1.3. amino acid metabolis
Cs8g03280	50422	Symbols: AGD2 | AGD2 (ABERRANT GRO	AT4G3368	13.1.3. amino acid metabolis
Cs2g28930	90052	Symbols: ATCIMS, ATMETS, ATMS1 | AT	AT5G1792	13.1.3. amino acid metabolis
Cs5g27040	88213	Symbols: ATCIMS, ATMETS, ATMS1 | AT	AT5G1792	13.1.3. amino acid metabolis
Cs5g27000	84676	Symbols: ATCIMS, ATMETS, ATMS1 | AT	AT5G1792	13.1.3. amino acid metabolis
orange1.1t	50130	Symbols: CBL | CBL (cystathionine beta-lyas	AT3G5705	13.1.3. amino acid metabolis
Cs6g21540	63815	Symbols: MTO1, CGS, ATCYS1, CGS1 | M	AT3G0112	13.1.3. amino acid metabolis
Cs2g17560	41079	semialdehyde dehydrogenase family protein |	AT1G1481	13.1.3. amino acid metabolis
Cs5g19940	100758	Symbols: AK-HSDH II, AK-HSDH | bifuncti	AT4G1971	13.1.3. amino acid metabolis
Cs7g04570	40818	homoserine dehydrogenase family protein | ch	AT5G2106	13.1.3. amino acid metabolis
Cs8g01210	38134	Symbols: HSK | HSK (HOMOSERINE KIN	AT2G1726	13.1.3. amino acid metabolis
Cs4g15090	57374	Symbols: MTO2, TS | MTO2 (METHIONINI	AT4G2984	13.1.3. amino acid metabolis
Cs1g17840	105152	Symbols: MTO2, TS | MTO2 (METHIONINI	AT4G2984	13.1.3. amino acid metabolis
Cs7g22130	71768	Symbols: CSR1, ALS, AHAS, TZP5, IMR1 |	AT3G4856	13.1.4. amino acid metabolis
Cs2g30910	53766	acetolactate synthase small subunit, putative |	AT2G3181	13.1.4. amino acid metabolis

Cs3g1643(42563 Symbols: ATBCAT-2 | ATBCAT-2 (ARABII AT1G1007 13.1.4. amino acid metabolis

Cs3g1644(38729 Symbols: ATBCAT-2 | ATBCAT-2 (ARABII AT1G1007 13.1.4. amino acid metabolis

Cs1g2119(46239 Symbols: ATBCAT-3, BCAT3 | BCAT3 (BR AT3G4968 13.1.4. amino acid metabolis

Cs9g0353(63470 ketol-acid reductoisomerase | chr3:21671433- AT3G5861 13.1.4. amino acid metabolis

Cs9g1462(63280 ketol-acid reductoisomerase | chr3:21671433- AT3G5861 13.1.4. amino acid metabolis

Cs6g1574(56653 Symbols: OMR1 | OMR1 (L-O-METHYLTH AT3G1005 13.1.4. amino acid metabolis

Cs5g0861(26846 aconitase C-terminal domain-containing prote AT2G4309 13.1.4. amino acid metabolis

Cs5g3529(55657 Symbols: IIL1 | IIL1 (ISOPROPYL MALATI AT4G1343 13.1.4. amino acid metabolis

Cs5g2436(67180 Symbols: IMS1, MAML-3, IPMS2 | IMS1 (2- AT1G7404 13.1.4. amino acid metabolis

Cs1g1167(43494 3-isopropylmalate dehydrogenase, chloroplast AT1G8056 13.1.4. amino acid metabolis

Cs1g1657(58577 Symbols: ALAAT2 | ALAAT2 (ALANINE A AT1G7233 13.1.1. amino acid metabolis

Cs4g1605(44630 Symbols: ASP3, YLS4 | ASP3 (ASPARTATE AT5G1152 13.1.1. amino acid metabolis

Cs4g1983(49116 Symbols: ASP3, YLS4 | ASP3 (ASPARTATE AT5G1152 13.1.1. amino acid metabolis

Cs1g0176(50788 Symbols: ATAAT, AAT, MEE17 | aminotran AT2G2225 13.1.1. amino acid metabolis

Cs7g0600(109276 Symbols: ASP5, AAT3, ATAAT1 | ASP5 (A AT4G3199 13.1.1. amino acid metabolis

Cs1g1828(37672 Symbols: GLYR2, GR2 | GLYR2 (GLYOXY AT1G1765 13.1.1. amino acid metabolis

Cs6g1137(49128 Symbols: POP2, GABA-T, HER1 | POP2 (PC AT3G2220 13.1.1. amino acid metabolis

orange1.1t 56690 Symbols: ALDH5F1, SSADH1, SSADH | AL AT1G7944 13.1.1. amino acid metabolis

Cs5g3432(44500 N-acetyl-gamma-glutamyl-phosphate reducta AT2G1994 13.1.2. amino acid metabolis

Cs6g0615(49136 arginine biosynthesis protein ArgJ family | ch AT2G3750 13.1.2. amino acid metabolis

Cs4g1266(50013 Symbols: WIN1 | WIN1 (HOPW1-1-INTERA AT1G8060 13.1.2. amino acid metabolis

Cs3g1720(57898 argininosuccinate lyase, putative / arginosucci AT5G1092 13.1.2. amino acid metabolis

Cs5g0712(54381 arginosuccinate synthase family | chr4:127928 AT4G2483 13.1.2. amino acid metabolis

Cs1g1308(36315 aspartate-glutamate racemase family | chr1:52 AT1G1541 13.1.2. amino acid metabolis

Cs3g2508(41630 Symbols: OTC | OTC (ORNITHINE CARBA AT1G7533 13.1.2. amino acid metabolis

orange1.1t 63934 Symbols: P5CS1, ATP5CS | P5CS1 (DELTA AT2G3980 13.1.2. amino acid metabolis

orange1.1t 45377 Symbols: ATATP-PRT2, HISN1B | ATATP-I AT1G0979 13.1.7. amino acid metabolis

Cs2g0994(53372 Symbols: ATHDH | ATHDH (HISTIDINOL) AT5G6389 13.1.7. amino acid metabolis

Cs8g0753(37781 Symbols: IMPL2 | IMPL2 (MYO-INOSITOL AT4G3912 13.1.7. amino acid metabolis

Cs4g1009(64172 Symbols: AT-HF, HISN4 | AT-HF (HIS HF); AT4G2690 13.1.7. amino acid metabolis

Cs9g0689(30276 imidazoleglycerol-phosphate dehydratase, put AT4G1491 13.1.7. amino acid metabolis

Cs6g1459(34312 Symbols: APG10, HISN3 | APG10 (ALBINO AT2G3623 13.1.7. amino acid metabolis

Cs3g0205(30944 Symbols: AT-IE, HISN2 | AT-IE; phosphorib AT1G3186 13.1.7. amino acid metabolis

orange1.1t 41353 Symbols: OASB, ACS1, CPACS1, ATCS-B | AT2G4375 13.1.5. amino acid metabolis

Cs3g2309(62960 Symbols: EDA9 | EDA9 (embryo sac develop AT4G3420 13.1.5. amino acid metabolis

orange1.1t 25406 Symbols: PGDH | PGDH (3-PHOSPHOGLY(AT1G1774 13.1.5. amino acid metabolis

orange1.1t 44797 Symbols: PGDH | PGDH (3-PHOSPHOGLY(AT1G1774 13.1.5. amino acid metabolis

Cs8g0506(63252 Symbols: EDA9 | EDA9 (embryo sac develop AT4G3420 13.1.5. amino acid metabolis

Cs1g2640(47720 phosphoserine aminotransferase, putative | ch AT2G1763 13.1.5. amino acid metabolis

Cs2g2821(42359 Symbols: FDH | FDH (FORMATE DEHYDRAT5G1478 25.1 C1-metabolism.form:

orange1.1t 59761 Symbols: THFS | THFS (10-FORMYL TETR. AT1G5048 25.2 C1-metabolism.form:

Cs3g1686(57382 Symbols: SHM1, STM, SHMT1 | SHM1 (SEI AT4G3793 25.1 C1-metabolism.glyci

Cs5g3285(31754 tetrahydrofolate dehydrogenase/cyclohydrolas AT3G1229 25.5 C1-metabolism.Meth

orange1.1t 40067 tetrahydrofolate dehydrogenase/cyclohydrolas AT4G0062 25.5 C1-metabolism.Meth

Cs1g1589(14103 Symbols: PFN2, PRO2, PRF2 | PFN2 (PROFI AT4G2935 31.6* cell organization-cytc

Cs7g2983(54916 Symbols: ATEXPA8, EXP8, ATEXP8, ATHI AT2G4061 10.7 cell wall.modificatio

Cs4g0663(69599 Symbols: ATPME3 | ATPME3; pectinesteras AT3G1431 10.8.1 cell wall.pectin*ester

Cs7g1699(76199 Symbols: RHM1, ROL1, ATRHM1 | RHM1 (AT1G7857 10.1.1(cell wall.precursor sy

Cs5g1330(76595 Symbols: RHM1, ROL1, ATRHM1 | RHM1 (AT1G7857 10.1.1(cell wall.precursor sy

Cs7g1777(31924 Symbols: ATPHB2 | ATPHB2 (PROHIBITIN AT1G0386 31.3 cell.cycle

Cs2g16160	80653	Symbols: ATPHB2 | ATPHB2 (PROHIBITIN AT1G0386 31.3	cell.cycle
Cs5g05840	84910	cell division cycle protein 48, putative / CDC2 AT5G0334 31.2	cell.division
orange1.1t	89712	cell division cycle protein 48, putative / CDC2 AT5G0334 31.2	cell.division
Cs6g14710	24073	Symbols: FTSZ2-1, ATFTSZ2-1 | FTSZ2-1; F AT2G3625 31.2.5	cell.division.plastid
Cs6g14700	62931	Symbols: FTSZ2-2 | FTSZ2-2; GTP binding / AT3G5275 31.2.5	cell.division.plastid
Cs4g09560	43514	Symbols: FTSZ1-1, ATFTSZ1-1, CPFTSZ | F AT5G5528 31.2.5	cell.division.plastid
Cs3g25680	87745	Symbols: ARC6 | ARC6 (ACCUMULATION AT5G4248 31.2.5	cell.division.plastid
Cs3g18360	36096	Symbols: ANNAT1, OXY5, ATOXY5 | ANN AT1G3572 31.1	cell.organisation
Cs1g01540	35822	Symbols: ANNAT2 | ANNAT2 (Annexin Ara AT5G6502 31.1	cell.organisation
Cs5g15990	31612	nuclear movement family protein | chr5:21661 AT5G5340 31.1	cell.organisation
orange1.1t	41684	Symbols: ACT11 | ACT11 (actin-11); structur AT3G1211 31.1	cell.organisation
orange1.1t	41590	Symbols: ACT2, ACT7 | ACT7 (ACTIN 7); s AT5G0981 31.1	cell.organisation
Cs3g26180	50375	Symbols: TUB5 | TUB5; structural constituen AT1G2001 31.1	cell.organisation
Cs8g18060	16268	Symbols: ADF1, atadf, ATADF1 | ADF1 (AC AT3G4601 31.1	cell.organisation
Cs2g09970	49862	Symbols: TUB8 | TUB8; structural constituen AT5G2386 31.1	cell.organisation
Cs9g03120	49751	Symbols: TUA5 | TUA5; structural constituen AT5G1978 31.1	cell.organisation
Cs1g05000	41709	Symbols: ACT2, ACT7 | ACT7 (ACTIN 7); s AT5G0981 31.1	cell.organisation
Cs5g26760	49546	Symbols: TUA5 | TUA5; structural constituen AT5G1978 31.1	cell.organisation
Cs7g30890	193814	clathrin heavy chain, putative | chr3:3482149- AT3G1113 31.4	cell.vesicle transport
Cs6g06560	38604	Symbols: UNE18, ORP3A | UNE18 (UNFER AT5G0210 31.4	cell.vesicle transport
Cs7g05630	25024	vesicle-associated membrane protein 713 AT5G1115 31.4	cell.vesicle transport
Cs2g06330	35887	protein binding / structural molecule | chr2:16 AT2G4006 31.4	cell.vesicle transport
Cs1g14600	103247	coatomer protein complex, subunit beta 2 (bet AT1G5236 31.4	cell.vesicle transport
Cs2g11320	58387	clathrin adaptor complexes medium subunit-r AT5G0501 31.4	cell.vesicle transport
Cs1g25760	48801	3-dehydroquinate synthase, putative | chr5:26- AT5G6612 18.5	Co-factor and vitamini
Cs3g20150	98544	Symbols: NADK2, ATNADK2 | NADK2; N AT1G2164 18.21*	Co-factor and vitamini
Cs6g02730	61646	cytidine/deoxycytidylate deaminase family pr AT3G4739 18.3	Co-factor and vitamini
Cs1g20020	57862	Symbols: ATGCH, GCH, ATRIBA1, RFD1 | AT5G6430 18.3.1	Co-factor and vitamini
orange1.1t	60615	Symbols: ATGCH, GCH, ATRIBA1, RFD1 | AT5G6430 18.3.1	Co-factor and vitamini
orange1.1t	23239	Symbols: COS1 | COS1 (COI1 SUPPRESSOR AT2G4405 18.3.2	Co-factor and vitamini
Cs8g19910	71721	Symbols: THIC | THIC (ThiaminC); ADP-rib AT2G2963 18.2	Co-factor and vitamini
Cs4g11090	37595	Symbols: THI1, TZ, THI4 | THI1; protein hor AT5G5477 18.2	Co-factor and vitamini
Cs3g03730	53739	Symbols: TH1, TH-1, THIE | TH1 (THIAMIN AT1G2294 18.2.2	Co-factor and vitamini
Cs5g26700	36238	FMN binding | chr3:999467-1002484 REVER AT3G0389 18.20*	Co-factor and vitamini
Cs1g10630	42266	FMN binding | chr1:19119635-19121938 RE AT1G5156 18.20*	Co-factor and vitamini
Cs7g07310	108786	Symbols: CSN5A, JAB1, AJH1 | CSN5A (CC AT1G2292 33.99	development.unspeci
Cs7g08090	64305	Symbols: emb2004 | emb2004 (embryo defect AT1G1051 33.99	development.unspeci
Cs4g06880	187190	CAAX amino terminal protease family protein AT2G0314 33.99	development.unspeci
Cs1g26170	10013	Symbols: SEN1, ATSEN1, DIN1 | SEN1 (SEI AT4G3577 33.99	development.unspeci
orange1.1t	80942	Symbols: MFP1 | MFP1 (MAR BINDING FIL AT3G1600 28.3*	DNA.plastid nucleoi
orange1.1t	50314	Symbols: PTAC17 | PTAC17 (PLASTID TR AT1G8048 28.3*	DNA.plastid nucleoi
Cs7g21670	47268	DNA binding | chr3:19346799-19349513 RE AT3G5217 28.3*	DNA.plastid nucleoi
orange1.1t	23217	unknown protein | chr5:19384368-19385869 I AT5G4787 28.2	DNA.repair
Cs4g03450	11409	histone H4 | chr5:24146175-24146726 REVE AT5G5997 28.1.3	DNA.synthesis/chror
Cs6g05810	15447	Symbols: H2B, HTB9 | HTB9; DNA binding AT3G4598 28.1.3	DNA.synthesis/chror
orange1.1t	25454	Symbols: VAP27-1, VAP, (AT)VAP, VAP27 AT3G6060 28.99	DNA.unspecified
Cs8g06460	51337	Symbols: ATCAP1, CAP 1, CAP1 | ATCAP1 AT4G3449 28.99	DNA.unspecified
Cs3g20830	43231	Symbols: ADH1, ADH, ATADH, ATADH1 | AT1G7712 5.3	fermentation.ADH
Cs3g20800	41305	Symbols: ADH1, ADH, ATADH, ATADH1 | AT1G7712 5.3	fermentation.ADH
Cs5g34690	37559	Symbols: ADH1, ADH, ATADH, ATADH1 | AT1G7712 5.3	fermentation.ADH

Cs3g1982(	43101	Symbols: ALDH3H1, ALDH4 | ALDH3H1 (AT1G4417 5.1	fermentation.aldehyd
Cs1g0848(	60403	Symbols: ALDH3I1, ALDH3 | ALDH3I1 (AI AT4G3424 5.1	fermentation.aldehyd
Cs6g0884(	65340	pyruvate decarboxylase, putative | chr4:15952 AT4G3307 5.2	fermentation.PDC
Cs2g0505(	63360	Symbols: PDC2 | PDC2 (pyruvate decarboxyl AT5G5496 5.2	fermentation.PDC
orange1.lt	56684	Symbols: CSY2 | CSY2 (citrate synthase 2); c AT3G5875 6.1	gluconeogenesis/ gly
Cs1g2103(	37164	Symbols: PMDH1 | PMDH1 (PEROXISOMA AT2G2278 6.3	gluconeogenesis.Mal
Cs8g0323(	37384	Symbols: PMDH1 | PMDH1 (PEROXISOMA AT2G2278 6.3	gluconeogenesis.Mal
Cs6g1543(	38577	fructose-bisphosphate aldolase, putative | chr2 AT2G3646 4.7	glycolysis.aldolase
Cs6g1554(	47788	Symbols: LOS2 | LOS2; copper ion binding / AT2G3653 4.12	glycolysis.enolase
Cs7g2618(	50557	enolase, putative | chr1:27839184-27841939 FAT1G7403 4.12	glycolysis.enolase
Cs3g1743(	67825	Symbols: PGI1, PGI | PGI1 (PHOSPHOGLUC AT4G2462 4.3	glycolysis.G6Pisome
Cs7g1022(	32301	Symbols: GAPC, GAPC-1, GAPC1 | GAPC1 AT3G0412 4.9	glycolysis.glyceralde
Cs5g0687(	36676	Symbols: GAPC-2, GAPC2 | GAPC2 (GLYC AT1G1344 4.9	glycolysis.glyceralde
orange1.lt	45013	Symbols: GAPCP-2 | GAPCP-2; NAD or NA AT1G1630 4.9	glycolysis.glyceralde
Cs2g1552(	110154	Symbols: ATPPC2 | ATPPC2 (PHOSPHOEN AT2G4260 4.14	glycolysis.PEPCase
Cs8g0958(	111036	Symbols: ATPPC2 | ATPPC2 (PHOSPHOEN AT2G4260 4.14	glycolysis.PEPCase
orange1.lt	16198	phosphoglucomutase, cytoplasmic, putative / ; AT1G2319 4.2	glycolysis.PGM
Cs2g1706(	27565	phosphoglucomutase, cytoplasmic, putative / ; AT1G2319 4.2	glycolysis.PGM
Cs9g1653(	68861	Symbols: PGM, ATPGMP, PGM1, STF1 | PC AT5G5182 4.2	glycolysis.PGM
Cs7g2565(	66879	phosphoglucosamine mutase family protein | c AT5G1753 4.2	glycolysis.PGM
orange1.lt	42333	Symbols: PGK | PGK (PHOSPHOGLYCERA AT1G7955 4.1	glycolysis.phosphogl
Cs6g1060(	61028	2,3-biphosphoglycerate-independent phospho; AT1G0978 4.11	glycolysis.phosphogl
Cs4g1307(	61769	Symbols: PFK4 | PFK4 (PHOSPHOFRUCTO AT5G6158 4.4	glycolysis.PPFK
Cs4g1898(	51765	Symbols: PFK4 | PFK4 (PHOSPHOFRUCTO AT5G6158 4.4	glycolysis.PPFK
Cs9g1357(	18723	Symbols: PFK4 | PFK4 (PHOSPHOFRUCTO AT5G6158 4.4	glycolysis.PPFK
Cs1g2020(	58250	Symbols: PFK5 | PFK5 (PHOSPHOFRUCTO AT2G2248 4.4	glycolysis.PPFK
Cs9g0537(	108111	Symbols: PPKK | PPKK (pyruvate orthophos; AT4G1553 4.4	glycolysis.PPFK
Cs2g0254(	61513	pyrophosphate--fructose-6-phosphate 1-phosp AT1G1200 4.5	glycolysis.pyrophosp
Cs8g1856(	24279	Symbols: ATCTIMC, TPI | TPI (TRIOSEPH AT3G5544 4.8	glycolysis.TPI
Cs7g3250(	26957	Symbols: ATCTIMC, TPI | TPI (TRIOSEPH AT3G5544 4.8	glycolysis.TPI
Cs6g1403(	28700	Symbols: ABA2, SIS4, GIN1, SDR1, ISI4, SI AT1G5234 17.1.1.	hormone metabolism
Cs8g0729(	37866	aldo/keto reductase family protein | chr1:2234 AT1G6069 17.2.3	hormone metabolism
Cs7g1682(	25028	Symbols: AIR12 | AIR12; extracellular matrix AT3G0739 17.2.3	hormone metabolism
Cs3g1067(	38422	aldo/keto reductase family protein | chr1:2234 AT1G6069 17.2.3	hormone metabolism
Cs8g1018(	37647	aldo/keto reductase family protein | chr1:2234 AT1G6069 17.2.3	hormone metabolism
Cs8g1016(	37598	aldo/keto reductase family protein | chr1:2234 AT1G6069 17.2.3	hormone metabolism
Cs6g1977	545653	Symbols: BIG, DOC1, TIR3, UMB1, ASA1, l AT3G0226 17.2.2	hormone metabolism
Cs7g1503(	65818	Symbols: DWF1, DIM, EVE1, DIM1, CBB1 AT3G1982 17.3.1.	hormone metabolism
Cs5g1251(	11258	multi-protein bridging factor 1B AT3G5868 17.5.3	hormone metabolism
Cs5g1646(	15993	Symbols: D-CDES | D-CDES (D-CYSTEINE AT1G4842 17.5.1	hormone metabolism
Cs2g1735(	43633	2-oxoglutarate-dependent dioxygenase, putati AT1G0340 17.5.1	hormone metabolism
Cs5g1648(	43954	Symbols: D-CDES | D-CDES (D-CYSTEINE AT1G4842 17.5.1	hormone metabolism
Cs9g1609(	55383	Symbols: ACS12 | ACS12; 1-aminocycloprop AT5G5169 17.5.1.	hormone metabolism
Cs6g1891(	28142	Symbols: AOC4 | AOC4 (ALLENE OXIDE CAT1G1328 17.7.1.	hormone metabolism
Cs6g1890(	27513	Symbols: AOC4 | AOC4 (ALLENE OXIDE CAT1G1328 17.7.1.	hormone metabolism
Cs7g1289(	28564	Symbols: AOC3 | AOC3 (ALLENE OXIDE CAT3G2578 17.7.1.	hormone metabolism
Cs3g2423(	59499	Symbols: AOS, CYP74A, DDE2 | AOS (ALL AT5G4265 17.7.1.	hormone metabolism
Cs7g1036(	103747	lipoxygenase family protein | chr1:25319899- AT1G6756 17.7.1.	hormone metabolism
orange1.lt	102272	Symbols: LOX2, ATLOX2 | LOX2 (LIPOXY AT3G4514 17.7.1.	hormone metabolism
orange1.lt	101859	Symbols: LOX2, ATLOX2 | LOX2 (LIPOXY AT3G4514 17.7.1.	hormone metabolism

orange1.1t 101517 Symbols: LOX2, ATLOX2 | LOX2 (LIPOXY AT3G4514 17.7.1. hormone metabolism

orange1.1t 103175 Symbols: LOX2, ATLOX2 | LOX2 (LIPOXY AT3G4514 17.7.1. hormone metabolism

Cs3g2688(33170 Symbols: ECH2, ATECH2 | maoC-like dehyd AT1G7615 11.8 lipid metabolism.exo

Cs8g1750(43051 oxidoreductase, zinc-binding dehydrogenase f AT3G4577 11.8.7 lipid metabolism.exo

Cs5g3122(24982 chalcone isomerase | chr3:23334352-2333610 AT3G6317 11.1 lipid metabolism.FA

Cs9g0247(45876 Symbols: LPD1, ptlpd1 | LPD1 (LIPOAMIDE AT3G1695 11.1 lipid metabolism.FA

Cs6g2209(25699 Symbols: BCCP2, CAC1-B | BCCP2 (BIOTIN AT5G1553 11.1.1 lipid metabolism.FA

gi|113952(55371 acetyl-CoA carboxylase carboxyltransferase beta subunit 11.1.1 lipid metabolism.FA

Cs6g0761(85897 Symbols: CAC3 | CAC3; acetyl-CoA carboxy AT2G3804 11.1.1 lipid metabolism.FA

Cs7g3037(30468 biotin/lipoyl attachment domain-containing pr AT3G5613 11.1.1 lipid metabolism.FA

Cs4g0454(58365 Symbols: CAC2 | CAC2; acetyl-CoA carboxy AT5G3536 11.1.1 lipid metabolism.FA

Cs6g0292(29317 Symbols: CAC1, CAC1A, BCCP, BCCP1 | C AT5G1639 11.1.1 lipid metabolism.FA

Cs8g2081(43206 [acyl-carrier-protein] S-malonyltransferase/ bi AT2G3020 11.1.2 lipid metabolism.FA

Cs7g1606(44519 acyl-(acyl-carrier-protein) desaturase, putative AT3G0263 11.1.15 lipid metabolism.FA

Cs3g1554(44988 acyl-(acyl-carrier-protein) desaturase, putative AT3G0263 11.1.15 lipid metabolism.FA

Cs3g1553(44252 acyl-(acyl-carrier-protein) desaturase, putative AT3G0263 11.1.15 lipid metabolism.FA

Cs3g2084(49456 acyl-(acyl-carrier-protein) desaturase, putative AT1G4380 11.1.15 lipid metabolism.FA

orange1.1t 45389 Symbols: SSI2, FAB2 | SSI2; acyl-[acyl-carri AT2G4371 11.1.15 lipid metabolism.FA

Cs7g1026(34030 3-oxoacyl-(acyl-carrier protein) reductase, chl AT1G2436 11.1.4 lipid metabolism.FA

Cs9g0503(14797 Symbols: ACP4 | ACP4 (acyl carrier protein 4 AT4G2505 11.1.12 lipid metabolism.FA

Cs5g2772(29814 Symbols: AtFaTA | AtFaTA (Arabidopsis Fat AT3G2511 11.1.7 lipid metabolism.FA

Cs2g1502(77560 acetyl-CoA synthetase, putative / acetate-CoA AT5G3688 11.1.8 lipid metabolism.FA

Cs9g0657(76386 Symbols: LACS7, ATLACS7 | LACS7 (LON AT5G2760 11.1.8 lipid metabolism.FA

orange1.1t 76147 AMP-binding protein, putative | chr3:8575167 AT3G2379 11.1.8 lipid metabolism.FA

orange1.1t 25316 beta-hydroxyacyl-ACP dehydratase, putative | AT5G1016 11.1.5 lipid metabolism.FA

orange1.1t 41282 Symbols: MOD1, ENR1 | MOD1 (MOSAIC I AT2G0599 11.1.6 lipid metabolism.FA

Cs2g0362(49827 Symbols: KAS I | KAS I (3-KETOACYL-AC AT5G4629 11.1.3 lipid metabolism.FA

Cs4g0700(62358 Symbols: FAB1, KAS2 | FAB1 (FATTY ACI AT1G7496 11.1.3 lipid metabolism.FA

Cs2g1911(78156 long-chain-fatty-acid--CoA ligase family prot AT2G0435 11.1.9 lipid metabolism.FA

Cs3g1960(75422 Symbols: LACS9 | LACS9 (LONG CHAIN A AT1G7759 11.1.9 lipid metabolism.FA

Cs2g0326(44588 transketolase family protein | chr2:14568811- AT2G3459 11.1.31 lipid metabolism.FA

Cs7g1317(49944 Symbols: LTA2, PLE2 | LTA2; dihydrolipoyl AT3G2586 11.1.31 lipid metabolism.FA

orange1.1t 36030 Symbols: PDH-E1 ALPHA | PDH-E1 ALPH AT1G0109 11.1.31 lipid metabolism.FA

Cs3g2248(48054 Symbols: EMB3003 | EMB3003 (embryo defi AT1G3443 11.1.31 lipid metabolism.FA

Cs5g3052(63186 Symbols: PKP1, PKP-ALPHA | PKP-ALPHA AT3G2296 11.1.3(lipid metabolism.FA

Cs9g1871(63365 Symbols: PKP1, PKP-BETA1, PKP2 | PKP-B AT5G5292 11.1.3(lipid metabolism.FA

Cs9g0788(64348 Symbols: PKP1, PKP-ALPHA | PKP-ALPHA AT3G2296 11.1.3(lipid metabolism.FA

Cs7g2275(49753 Symbols: PKp3 | PKp3 (plastidial pyruvate ki AT1G3244 11.1.3(lipid metabolism.FA

Cs9g0179(62476 Symbols: SFR2 | SFR2 (SENSITIVE TO FRE AT3G0651 11.1 lipid metabolism.glyc

Cs3g1169(84115 esterase/lipase/thioesterase family protein | ch AT1G5457 11.1 lipid metabolism.glyc

Cs7g0662(51297 Symbols: MGD1, MGDA | MGD1 (MONOG AT4G3178 11.10.1 lipid metabolism.glyc

Cs4g1840(53273 Symbols: SQD1 | SQD1; UDPsulfoquinovose AT4G3303 11.10.3 lipid metabolism.glyc

Cs9g1125(48718 Symbols: PKT3, PED1, KAT2 | PKT3 (PERC AT2G3315 11.9.4. lipid metabolism.lipi

Cs5g3476(48225 Symbols: PKT3, PED1, KAT2 | PKT3 (PERC AT2G3315 11.9.4. lipid metabolism.lipi

Cs4g1690(47625 catalytic | chr4:7775128-7777895 FORWARD AT4G1336 11.9.4. lipid metabolism.lipi

Cs4g1608(78196 Symbols: AIM1 | AIM1 (ABNORMAL INFL AT4G2901 11.9.4. lipid metabolism.lipi

Cs2g1536(46845 lipase, putative | chr2:17776241-1777717 RE AT2G4269 11.9.2 lipid metabolism.lipi

orange1.1t 96379 triacylglycerol lipase | chr4:7871057-7876963 AT4G1355 11.9.2. lipid metabolism.lipi

Cs4g1741(19406 phospholipase/carboxylesterase family proteir AT5G2006 11.9.3. lipid metabolism.lipi

Cs1g1260(91198 Symbols: PLDALPHA1, PLD | PLDALPHA1 AT3G1573 11.9.3. lipid metabolism.lipi

orange1.1t 38228 apolipoprotein D-related | chr3:17656670-176 AT3G4786 11.6 lipid metabolism.lipi

Cs4g0431(46874 choline monooxygenase, putative (CMO-like) AT4G2989 11.3.9 lipid metabolism.Phc

Cs5g2318(41773 Symbols: TGD2 | TGD2 (TRIGALACTOSYI AT3G2032 11.15* lipid metabolism.tran

Cs6g0243(38402 Symbols: ATNAP11, TGD3 | ATNAP11 (AR AT1G6541 11.15* lipid metabolism.tran

orange1.1t 65334 Symbols: DPE1 | DPE1 (DISPROPORTIONA AT5G6486 2.2.2.4 major CHO metaboli

orange1.1t 131302 Symbols: PWD, OK1, ATGWD3 | ATGWD3 AT5G2657 2.2.2.3 major CHO metaboli

Cs7g0906(165270 Symbols: SEX1, SOP1, SOP, GWD1, GWD | AT1G1076 2.2.2.3 major CHO metaboli

Cs3g2356(46914 Symbols: ATAMY1, AMY1 | AMY1 (ALPH. AT4G2500 2.2.2.1 major CHO metaboli

Cs9g0498(59808 Symbols: BMY3, BAM9 | BMY3; beta-amylase AT5G1867 2.2.2.1 major CHO metaboli

orange1.1t 63740 Symbols: BAM2, BMY9 | BAM2 (BETA-AM AT4G0049 2.2.2.1 major CHO metaboli

Cs3g0975(32009 Symbols: HGL1 | HGL1 (heteroglycan glucos AT3G2364 2.2.2.1 major CHO metaboli

Cs3g0977(140816 Symbols: HGL1 | HGL1 (heteroglycan glucos AT3G2364 2.2.2.1 major CHO metaboli

Cs7g0431(101967 Symbols: ATAMY3, AMY3 | AMY3 (ALPH. AT1G6983 2.2.2.1 major CHO metaboli

Cs2g2805(65751 5'-AMP-activated protein kinase beta-1 subun AT3G0151 2.2.2.2 major CHO metaboli

Cs7g2165(38718 Symbols: ATPTPKIS1, DSP4, SEX4 | SEX4 (AT3G5218 2.2.2.2 major CHO metaboli

Cs8g1980(147038 Symbols: ATPHS2, PHS2 | PHS2 (ALPHA-G AT3G4697 2.2.2.2 major CHO metaboli

Cs6g2202(108947 glucan phosphorylase, putative | chr3:112528(AT3G2932 2.2.2.2 major CHO metaboli

Cs5g2292(35105 pfkB-type carbohydrate kinase family protein AT1G6643 2.2.1.1 major CHO metaboli

Cs6g1760(40730 pfkB-type carbohydrate kinase family protein AT1G6643 2.2.1.1 major CHO metaboli

Cs4g1552(54056 Symbols: ATHXK2, HXK2 | HXK2 (HEXOK AT2G1986 2.2.1.4 major CHO metaboli

Cs3g2605(53654 Symbols: HXK3 | HXK3 (HEXOKINASE 3); AT1G4784 2.2.1.4 major CHO metaboli

Cs3g0759(72180 beta-fructofuranosidase, putative / invertase, p AT5G2251 2.2.1.3 major CHO metaboli

Cs5g3347(92605 Symbols: SUS4, ATSUS4 | SUS4; UDP-glycc AT3G4319 2.2.1.5 major CHO metaboli

Cs4g0685(92027 Symbols: SUS4, ATSUS4 | SUS4; UDP-glycc AT3G4319 2.2.1.5 major CHO metaboli

Cs6g1755(33679 5'-AMP-activated protein kinase beta-1 subun AT5G3979 2.1.2 major CHO metaboli

Cs3g2511(58118 Symbols: APL2 | APL2 (ADPGLC-PPASE L. AT1G2768 2.1.2.1 major CHO metaboli

Cs8g0723(54311 Symbols: APL3 | APL3; glucose-1-phosphate AT4G3921 2.1.2.1 major CHO metaboli

Cs2g1880(57116 Symbols: ADG1, APS1 | ADG1 (ADP GLUC AT5G4830 2.1.2.1 major CHO metaboli

Cs7g2191(104101 Symbols: ATPU1, ATLDA, PU1 | ATLDA (L AT5G0436 2.1.2.4 major CHO metaboli

Cs4g0443(90967 Symbols: ISA1, ATISA1 | ISA1 (ISOAMYL AT2G3993 2.1.2.4 major CHO metaboli

Cs3g1784(88732 Symbols: ATISA3, ISA3 | ISA3 (ISOAMYL AT4G0902 2.1.2.4 major CHO metaboli

Cs5g3169(98610 Symbols: ATISA2, ISA2, DBE1, BE2 | isoam AT1G0331 2.1.2.4 major CHO metaboli

Cs6g1532(94120 Symbols: SBE2.2 | SBE2.2 (starch branching AT5G0365 2.1.2.3 major CHO metaboli

Cs3g2722(95086 Symbols: SBE2.2 | SBE2.2 (starch branching AT5G0365 2.1.2.3 major CHO metaboli

Cs4g0482(51904 Symbols: ATSS4, SSIV, SS4 | ATSS4; transfr AT4G1824 2.1.2.2 major CHO metaboli

orange1.1t 72856 Symbols: SSII, SSI, ATSS1 | SSII (SUPPRE AT5G2430 2.1.2.2 major CHO metaboli

Cs1g2095(66909 soluble glycogen synthase-related | chr5:2627. AT5G6568 2.1.2.2 major CHO metaboli

Cs2g0307(132047 Symbols: ATSS3 | ATSS3 (starch synthase 3) AT1G1172 2.1.2.2 major CHO metaboli

Cs6g2137(85469 Symbols: AtSS2 | AtSS2 (starch synthase 2); 1 AT3G0118 2.1.2.2 major CHO metaboli

Cs7g0569(99766 Symbols: ATSPS1F | ATSPS1F (sucrose phos AT5G2028 2.1.1.1 major CHO metaboli

Cs9g0627(25263 Symbols: ATAILP1, AILP1 | AILP1 | chr5:64 AT5G1914 15 metal handling

orange1.1t 9252.6 Symbols: ATX1, ATATX1 | ATX1 (ARABIL AT1G6624 15.2 metal handling.bindii

Cs6g0915(24582 Symbols: ATFER1, FER1 | ATFER1; ferric ir AT5G0160 15.2 metal handling.bindii

Cs7g3063(29465 Symbols: ATFER4 | ATFER4 (ferritin 4); bin AT2G4030 15.2 metal handling.bindii

Cs5g0990(24133 Symbols: ATCCS | ATCCS (COPPER CHAP AT1G1252 15.2 metal handling.bindii

Cs3g1748(17370 Symbols: CUTA | CUTA; copper ion binding AT2G3374 15.2 metal handling.bindii

Cs2g0605(290386 glucan synthase-like 1 AT4G0497 3.6 minor CHO metaboli

Cs9g0199(54465 Symbols: GAL1, GALK | GALK; ATP bindir AT3G0658 3.8.1 minor CHO metaboli

orange1.1t 30694 uridylyltransferase-related | chr1:5773592-577 AT1G1688 3.8.3 minor CHO metaboli

Cs2g1094(39801 Symbols: IMPL1 | IMPL1 (MYO-INOSITOL AT1G3119 3.4.5 minor CHO metaboli

Cs9g06280	40793	carbohydrate kinase family | chr5:6426071-64	AT5G1915	3.5	minor CHO metaboli
Cs1g24260	34473	aldose 1-epimerase family protein | chr5:2655	AT5G6653	3.5	minor CHO metaboli
Cs3g07460	42957	aldo/keto reductase family protein | chr2:1180	AT2G2768	3.5	minor CHO metaboli
Cs5g15110	40084	pfkB-type carbohydrate kinase family protein	AT1G1716	3.5	minor CHO metaboli
Cs6g17790	33843	Symbols: SOS4, ATSOS4 | SOS4 (SALT OV	AT5G3785	3.5	minor CHO metaboli
Cs9g10370	46722	aldo/keto reductase family protein | chr1:1191	AT1G0442	3.5	minor CHO metaboli
Cs4g02950	60238	xylose isomerase family protein | chr5:233467	AT5G5765	3.5.1	minor CHO metaboli
Cs1g19780	35824	haloacid dehalogenase-like hydrolase family	AT4G3997	3.2	minor CHO metaboli
Cs2g19200	71311	ABC1 family protein | chr3:2459491-2463957	AT3G0770	26.56*	misc.ABC1k family
Cs7g29500	60219	ABC1 family protein | chr5:1544007-1547164	AT5G0520	26.56*	misc.ABC1k family
Cs3g01840	77175	ABC1 family protein | chr1:29949925-299526	AT1G7960	26.56*	misc.ABC1k family
Cs7g07380	153114	ABC1 family protein | chr4:15233075-152371	AT4G3139	26.56*	misc.ABC1k family
Cs4g16910	36967	Symbols: atnudt20 | atnudt20 (Arabidopsis th	AT5G1946	26.13	misc.acid and other p
Cs5g09890	34096	Symbols: ATNUDT14, ATNUDX14 | ATNU	AT4G1198	26.13	misc.acid and other p
Cs2g30470	35643	cinnamyl-alcohol dehydrogenase, putative (C.	AT1G5141	26.11.1	misc.alcohol dehydr
Cs4g19780	35009	aminotransferase class IV family protein | chr:	AT5G5785	26.26.1	misc.aminotransferas
Cs5g14800	59909	Symbols: CYP72A15 | CYP72A15; electron c	AT3G1469	26.1	misc.cytochrome P45
orange1.1t	64362	Symbols: CYP97A3, LUT5 | CYP97A3 (CYT	AT1G3180	26.1	misc.cytochrome P45
Cs1g19720	40220	DNAJ heat shock family protein | chr2:94975	AT2G2236	26.29*	misc.DnaJ domain w
Cs8g12670	23895	unknown protein | chr1:2748398-2751278	RE AT1G0864	26.29*	misc.DnaJ domain w
Cs1g12280	53688	DNAJ heat shock protein, putative | chr1:301	AT1G8003	26.29*	misc.DnaJ domain w
Cs5g02140	68456	Symbols: ADL1, ADL1A, AG68, DRP1A, R	AT5G4208	26.17	misc.dynamain
Cs5g31320	102638	Symbols: FZL | FZL (FZO-LIKE); GTP bindi	AT1G0316	26.17	misc.dynamain
Cs9g09850	35764	plastid-lipid associated protein PAP / fibrillin	AT3G2340	26.31*	misc.fibrillins
orange1.1t	33256	Fibrillin 7	AT2G4213	26.31*	misc.fibrillins
Cs3g09310	41193	plastid-lipid associated protein PAP, putative	AT2G3549	26.31*	misc.fibrillins
orange1.1t	27514	plastid-lipid associated protein PAP / fibrillin	AT3G2607	26.31*	misc.fibrillins
Cs2g02520	43180	plastid-lipid associated protein PAP, putative	AT4G2224	26.31*	misc.fibrillins
Cs1g21580	67112	GCN5-related N-acetyltransferase (GNAT) fa	AT2G2291	26.24	misc.GCN5-related N
Cs6g10350	32671	Symbols: ATNSI | ATNSI (NUCLEAR SHU	AT1G3207	26.24	misc.GCN5-related N
Cs2g12100	56722	Symbols: BGLU42 | BGLU42 (BETA GLUC	AT5G3689	26.3	misc.gluco-, galacto-
Cs1g08360	106079	Symbols: RSW3 | RSW3 (RADIAL SWELLI	AT5G6384	26.3	misc.gluco-, galacto-
Cs8g08270	80912	Symbols: BGAL3 | BGAL3 (beta-galactosida:	AT4G3636	26.3	misc.gluco-, galacto-
Cs8g12140	95483	glycoside hydrolase family 2 protein | chr3:20	AT3G5444	26.3	misc.gluco-, galacto-
Cs8g12150	32107	glycoside hydrolase family 2 protein | chr3:20	AT3G5444	26.3	misc.gluco-, galacto-
Cs7g04600	25584	Symbols: GST30, ATGSTU17, GST30B, ERI	AT1G1037	26.9	misc.glutathione S tr
Cs7g18560	25123	Symbols: ATGSTF9, GLUTTR, ATGSTF7 |	AT2G3086	26.9	misc.glutathione S tr
Cs5g32800	23828	Symbols: ATGSTF8, ATGSTF5, GST6, GST	AT2G4773	26.9	misc.glutathione S tr
Cs9g10450	26503	Symbols: GST30, ATGSTU17, GST30B, ERI	AT1G1037	26.9	misc.glutathione S tr
Cs6g03820	27125	Symbols: GSTL2 | GSTL2 | chr3:20398538-2	AT3G5504	26.9	misc.glutathione S tr
Cs5g15160	25601	Symbols: ATGSTU19, GST8 | ATGSTU19 (C	AT1G7838	26.9	misc.glutathione S tr
Cs5g29140	46165	glutathione S-transferase C-terminal domain-c	AT5G4400	26.9	misc.glutathione S tr
Cs5g15170	24958	Symbols: ATGSTU19, GST8 | ATGSTU19 (C	AT1G7838	26.9	misc.glutathione S tr
Cs5g15190	25558	Symbols: ATGSTU19, GST8 | ATGSTU19 (C	AT1G7838	26.9	misc.glutathione S tr
Cs2g21120	30198	dienelactone hydrolase family protein | chr2:1	AT2G3252	26.1	misc.misc2
Cs2g06370	35260	epoxide hydrolase, putative | chr4:1035681-1	AT4G0234	26.1	misc.misc2
Cs7g29350	34519	oxidoreductase, zinc-binding dehydrogenase f	AT3G5646	26.1	misc.misc2
Cs5g12830	43945	Symbols: CYP77A5P | CYP77A5P; catalytic	AT3G1827	26.1	misc.misc2
Cs2g10080	120877	FAD-binding Berberine family protein	AT4G2084	26.8	misc.nitrilases, *nitri
Cs7g27990	36994	nitrilase, putative | chr4:5608240-5611215	RE AT4G0879	26.8	misc.nitrilases, *nitri

Cs2g28180	33013	oxidoreductase, zinc-binding dehydrogenase f	AT1G2374 26.7	misc.oxidases - copp
Cs9g15140	42211	NADP-dependent oxidoreductase, putative | c	AT5G6151 26.7	misc.oxidases - copp
Cs7g08640	41876	oxidoreductase, zinc-binding dehydrogenase f	AT1G2374 26.7	misc.oxidases - copp
Cs2g13560	31544	oxidoreductase NAD-binding domain-contain	AT1G1514 26.7	misc.oxidases - copp
Cs2g29530	41389	rhodanese-like domain-containing protein / PI	AT5G1937 26.23	misc.rhodanese
Cs6g16960	30204	short-chain dehydrogenase/reductase (SDR) f	AT3G5529 26.22	misc.short chain dehy
orange1.1t	32024	Symbols: SDRB, DECR | SDRB (SHORT-CH	AT3G1280 26.22	misc.short chain dehy
orange1.1t	63594	Symbols: atToc64-III | atToc64-III (Arabidop	AT3G1797 26.33*	misc.tetrapetide
Cs3g02510	34730	tetrapetide repeat (TPR)-containing prot	AT3G1842 26.33*	misc.tetrapetide
Cs6g11490	54021	UDP-glucuronosyl/UDP-glucosyl transferase	AT3G2176 26.2	misc.UDP glucosyl a
Cs8g04920	57478	Symbols: UGT84A1 | UGT84A1; UDP-glyco	AT4G1548 26.2	misc.UDP glucosyl a
Cs8g20750	52366	UDP-glucuronosyl/UDP-glucosyl transferase	AT2G3014 26.2	misc.UDP glucosyl a
Cs3g17930	20873	Symbols: COX6B, ATCOX6B2 | COX6B (C'	AT1G2245 9.7	mitochondrial electr
Cs1g13240	18087	cytochrome c oxidase family protein | chr1:30	AT1G8023 9.7	mitochondrial electr
Cs7g04890	14508	ubiquinol-cytochrome C reductase complex 1	AT5G2545 9.5	mitochondrial electr
Cs2g14600	30097	ubiquinol-cytochrome C reductase iron-sulfur	AT5G1343 9.5	mitochondrial electr
Cs1g04030	27522	unknown protein | chr2:9320195-9322734 RE	AT2G2187 9.9	mitochondrial electr
Cs7g27610	19659	Symbols: ATPQ | ATPQ (ATP SYNTHASE I	AT3G5230 9.9	mitochondrial electr
Cs7g01810	26334	ATP synthase delta chain, mitochondrial, puta	AT5G1345 9.9	mitochondrial electr
Cs2g13550	59850	ATP synthase beta chain, mitochondrial, puta	AT5G0868 9.9	mitochondrial electr
Cs3g25040	29400	Symbols: APFI, GAMMA CA2 | GAMMA C	AT1G4726 9.1.1.5	mitochondrial electr
orange1.1t	28025	Symbols: GAMMA CAL2 | GAMMA CAL2	AT3G4868 9.1.1.5	mitochondrial electr
Cs9g19060	19175	NADH-ubiquinone oxidoreductase-related | cl	AT5G5284 9.1.1	mitochondrial electr
Cs5g29000	44210	binding / catalytic/ coenzyme binding | chr2:8	AT2G2036 9.1.1	mitochondrial electr
Cs5g16400	80724	Symbols: EMB1467 | EMB1467 (embryo defi	AT5G3751 9.1.1	mitochondrial electr
orange1.1t	176342	Symbols: GLU1, GLS1, GLUS, FD-GOGAT	AT5G0414 12.2.1	N-metabolism.ammo
Cs9g17990	216375	Symbols: GLT1 | GLT1; glutamate synthase (	AT5G5346 12.2.1	N-metabolism.ammo
Cs7g14020	35967	Symbols: ATGSKB6, GLN1.3, GLN1;3 | AT	AT3G1782 12.2.2	N-metabolism.ammo
Cs9g06450	38850	cell death associated protein-related | chr1:18	AT1G4965 35.1	not assigned.no ontol
Cs1g07130	32637	cytidyltransferase family | chr1:19745046-1	AT1G5300 35.1	not assigned.no ontol
Cs6g12880	32527	transferase family protein | chr3:9519741-952	AT3G2604 35.1	not assigned.no ontol
Cs2g11800	33921	molybdenum cofactor sulfurase family proteir	AT1G3091 35.1	not assigned.no ontol
Cs6g12870	51262	transferase family protein | chr3:9519741-952	AT3G2604 35.1	not assigned.no ontol
Cs2g12010	23338	Symbols: ATPCAP1, PCAP1 | DREPP plasm	AT4G2026 35.1	not assigned.no ontol
Cs2g24620	31301	Symbols: ATPHB3 | ATPHB3 (PROHIBITIN	AT5G4077 35.1	not assigned.no ontol
Cs2g31210	35670	indigoidine synthase A family protein | chr1:1	AT1G5051 35.1	not assigned.no ontol
Cs7g15980	14459	SWIB complex BAF60b domain-containing p	AT3G0359 35.1	not assigned.no ontol
Cs3g18390	38701	methyltransferase-related | chr1:29401759-29	AT1G7814 35.1	not assigned.no ontol
Cs1g23810	46966	5-azacytidine resistance protein -related | chr5	AT5G6672 35.1	not assigned.no ontol
Cs9g08070	97142	phosphotransferase-related | chr5:17569147-1	AT5G4374 35.1	not assigned.no ontol
Cs7g30090	42763	haloacid dehalogenase-like hydrolase family ¶	AT3G1097 35.1	not assigned.no ontol
Cs7g03610	23278	UbiE/COQ5 methyltransferase family protein	AT1G6952 35.1	not assigned.no ontol
Cs1g18210	39241	metallo-beta-lactamase family protein | chr3:4	AT3G1380 35.1	not assigned.no ontol
Cs4g05970	30603	carbon-nitrogen hydrolase family protein | chr	AT5G1204 35.1	not assigned.no ontol
Cs6g10380	41792	alphavirus core protein family | chr3:2622880	AT3G0864 35.1	not assigned.no ontol
orange1.1t	35809	DJ-1 family protein | chr1:19864770-1986738	AT1G5328 35.1	not assigned.no ontol
Cs5g06660	26284	haloacid dehalogenase-like hydrolase family ¶	AT3G4842 35.1	not assigned.no ontol
orange1.1t	38319	Symbols: QPT | QPT (QUINOLINATE PHO	AT2G0135 35.1	not assigned.no ontol
Cs2g03600	32858	flavin reductase-related | chr2:14529608-1453	AT2G3446 35.1	not assigned.no ontol
orange1.1t	38426	cell death associated protein-related | chr1:18	AT1G4965 35.1	not assigned.no ontol

Cs2g12680	23078	thioesterase family protein | chr1:25585776-2:AT1G6826	35.1	not assigned.no ontol
Cs3g22150	40115	oxidoreductase family protein | chr4:6107150-AT4G0967	35.1	not assigned.no ontol
Cs6g12030	10477	DNA binding / sequence-specific DNA bindir AT2G3702	35.1	not assigned.no ontol
Cs9g03090	123482	Symbols: emb2734 | emb2734 (embryo defect AT5G1982	35.1	not assigned.no ontol
Cs3g07810	101486	Symbols: emb1211 | emb1211 (embryo defect AT5G2264	35.1	not assigned.no ontol
Cs4g19010	66463	haloacid dehalogenase-like hydrolase family Ꞥ AT2G2587	35.1	not assigned.no ontol
orange1.1t	40390	DJ-1 family protein | chr1:19864770-1986738 AT1G5328	35.1	not assigned.no ontol
orange1.1t	47057	DJ-1 family protein | chr1:19864770-1986738 AT1G5328	35.1	not assigned.no ontol
Cs2g11720	22455	YGGT family protein | chr4:13923773-13924-AT4G2799	35.1	not assigned.no ontol
Cs2g26760	24751	forkhead-associated domain-containing protei AT2G2153	35.1	not assigned.no ontol
Cs6g09310	12166	macrophage migration inhibitory factor family AT5G0165	35.1	not assigned.no ontol
Cs2g21000	55759	Symbols: HPL1, CYP74B2 | HPL1 (HYDRO AT4G1544	35.1	not assigned.no ontol
Cs6g09520	104579	D-alanine--D-alanine ligase family | chr3:267-AT3G0884	35.1	not assigned.no ontol
Cs6g05570	40412	chloroplast lumen common family protein | ch AT2G3740	35.1	not assigned.no ontol
Cs9g11200	65722	dehydratase family | chr3:8648705-8652605 F AT3G2394	35.1	not assigned.no ontol
Cs2g16990	94366	armadillo/beta-catenin repeat family protein | AT1G2318	35.1.3	not assigned.no ontol
Cs3g17100	23327	binding | chr5:26189725-26190591 REVERS AT5G6552	35.2	not assigned.unknow
Cs9g07830	70429	unknown protein | chr3:20700435-20703056 IAT3G5576	35.2	not assigned.unknow
orange1.1t	23232	unknown protein | chr2:18953280-18954619 IAT2G4610	35.2	not assigned.unknow
Cs8g10710	31908	unknown protein | chr1:9832816-9834427 RE AT1G2814	35.2	not assigned.unknow
Cs9g04300	19021	Symbols: TCTP | TCTP (TRANSLATIONAL AT3G1664	35.2	not assigned.unknow
Cs9g17220	25041	Symbols: ACYB-2 | ACYB-2; carbon-monox AT4G2557	35.2	not assigned.unknow
Cs6g15340	19886	unknown protein | chr2:15278769-15280604 IAT2G3641	35.2	not assigned.unknow
Cs5g01600	35619	unknown protein | chr4:12512736-12514592 IAT4G2409	35.2	not assigned.unknow
Cs1g07500	43722	Symbols: emb2737 | emb2737 (embryo defect AT5G5386	35.2	not assigned.unknow
Cs7g17050	31825	LOCATED IN: mitochondrion, plastid; EXPF AT3G5884	35.2	not assigned.unknow
Cs6g04000	20366	INVOLVED IN: biological_process unknown AT2G3724	35.2	not assigned.unknow
orange1.1t	17400	electron carrier/ iron-sulfur cluster binding | cl AT3G0748	35.2	not assigned.unknow
Cs6g21900	49386	binding / catalytic | chr5:15768193-15770410 AT5G3941	35.2	not assigned.unknow
Cs5g27940	41776	unknown protein | chr4:7650223-7652289 RE AT4G1315	35.2	not assigned.unknow
Cs3g09230	32552	binding / catalytic/ coenzyme binding | chr1:1 AT1G3222	35.2	not assigned.unknow
Cs5g18250	38392	unknown protein | chr1:12244585-12246188 IAT1G3378	35.2	not assigned.unknow
Cs6g21970	46690	unknown protein | chr3:11154929-11157207 IAT3G2918	35.2	not assigned.unknow
orange1.1t	25141	unknown protein | chr3:21193780-21195716 IAT3G5728	35.2	not assigned.unknow
Cs5g26050	58260	unknown protein | chr1:2701226-2703091 FO AT1G0853	35.2	not assigned.unknow
Cs7g14410	17261	unknown protein | chr5:5465484-5467063 RE AT5G1666	35.2	not assigned.unknow
orange1.1t	71684	unknown protein | chr5:4133204-4136688 FO AT5G1303	35.2	not assigned.unknow
Cs2g12380	36951	unknown protein | chr5:2763823-2765734 FO AT5G0854	35.2	not assigned.unknow
Cs1g08140	29921	unknown protein | chr3:5084278-5085843 RE AT3G1511	35.2	not assigned.unknow
Cs6g10080	35578	unknown protein | chr2:16132006-16134415 IAT2G3855	35.2	not assigned.unknow
Cs1g20240	32463	unknown protein | chr4:17886869-17888204 IAT4G3810	35.2	not assigned.unknow
Cs1g26210	23118	unknown protein | chr2:7684112-7685176 RE AT2G1769	35.2	not assigned.unknow
Cs5g18400	16170	unknown protein | chr1:12265033-12266847 IAT1G3381	35.2	not assigned.unknow
Cs4g01860	20892	unknown protein | chr2:10217701-10219352 IAT2G2402	35.2	not assigned.unknow
orange1.1t	27396	unknown protein | chr3:13489518-13490849 IAT3G3293	35.2	not assigned.unknow
Cs3g27110	37376	unknown protein | chr1:23583521-23585723 IAT1G6361	35.2	not assigned.unknow
Cs5g28130	22339	unknown protein | chr4:7668147-7669214 RE AT4G1320	35.2	not assigned.unknow
Cs7g12700	63127	FUNCTIONS IN: molecular_function unknow AT3G2568	35.2	not assigned.unknow
Cs1g02860	52633	FUNCTIONS IN: molecular_function unknow AT2G4464	35.2	not assigned.unknow
Cs2g04990	25858	unknown protein | chr1:10134069-10136124 IAT1G2904	35.2	not assigned.unknow

Cs3g17280	14134	unknown protein	| chr5:25913028-25914003	IAT5G6481	35.2	not assigned.unknown
Cs2g10870	41543	CbbY protein-related	| chr5:18270344-182731	AT5G4517	35.2	not assigned.unknown
Cs6g06590	36007	binding / catalytic/ coenzyme binding	| chr2:1	AT2G3766	35.2	not assigned.unknown
Cs1g25910	23436	unknown protein	| chr5:26425736-26427172	IAT5G6609	35.2	not assigned.unknown
Cs7g12920	38085	unknown protein	| chr1:10384981-10387441	IAT1G2970	35.2	not assigned.unknown
Cs9g16150	14162	unknown protein	| chr5:21009592-21010345	IAT5G5172	35.2	not assigned.unknown
Cs6g09120	61087	unknown protein	| chr5:224174-226926	FOR\AT5G0159	35.2	not assigned.unknown
Cs9g19340	48938	unknown protein	| chr5:21321428-21323780	IAT5G5254	35.2	not assigned.unknown
orange1.1t	34562	unknown protein	| chr3:22902638-22904070	IAT3G6187	35.2	not assigned.unknown
Cs5g09380	27686	unknown protein	| chr1:23249145-23251105	IAT1G6278	35.2	not assigned.unknown
Cs5g10660	41563	unknown protein	| chr1:28032763-28034773	IAT1G7464	35.2	not assigned.unknown
orange1.1t	28480	Symbols: CDF1 | CDF1 (CELL GROWTH D	AT5G2304	35.2	not assigned.unknown	
Cs3g21020	36029	antioxidant/ oxidoreductase	| chr1:7476942-74	AT1G2135	35.2	not assigned.unknown
Cs7g04340	43560	unknown protein	| chr1:2160938-2163308	RE AT1G0704	35.2	not assigned.unknown
Cs9g04960	37649	binding / catalytic	| chr2:16309798-16312541	AT2G3908	35.2	not assigned.unknown
Cs5g17070	14534	unknown protein	| chr1:9834943-9835904	RE AT1G2815	35.2	not assigned.unknown
Cs3g18830	48144	unknown protein	| chr1:13671814-13674098	IAT1G3632	35.2	not assigned.unknown
Cs7g02110	23257	LOCATED IN: chloroplast, chloroplast inner	AT5G1372	35.2	not assigned.unknown	
Cs8g01250	40825	unknown protein	| chr4:17927198-17928901	IAT4G3822	35.2	not assigned.unknown
Cs3g04050	58135	INVOLVED IN: biological_process unknown	AT5G2469	35.2	not assigned.unknown	
Cs5g32640	66546	catalytic	| chr4:1408159-1412756	FORWARD AT4G0320	35.2	not assigned.unknown
Cs6g19490	28369	FUNCTIONS IN: molecular_function unknown	AT2G3167	35.2	not assigned.unknown	
Cs5g24490	53545	catalytic	| chr2:17953497-17955829	REVERSE AT2G4318	35.2	not assigned.unknown
Cs6g03310	31794	unknown protein	| chr2:18197844-18200194	IAT2G4394	35.2	not assigned.unknown
orange1.1t	46005	dihydroorotate dehydrogenase family protein	AT3G1781	23.2	nucleotide metabolism	
Cs9g01190	70692	5' nucleotidase family protein	| chr5:1984954	AT5G4896	23.2	nucleotide metabolism
Cs1g09490	41321	Symbols: SAL1, ALX8, ATSAL1, HOS2, FR	AT5G6398	23.2	nucleotide metabolism	
orange1.1t	46678	cytidine/deoxycytidylate deaminase family pr	AT4G2096	23.5.3	nucleotide metabolism	
Cs5g17500	33283	Symbols: AMK2 | AMK2 (Adenosine monophosphate	AT5G4784	23.4.1	nucleotide metabolism	
Cs4g05210	80332	Symbols: AVP1, ATAVP3, AVP-3 | AVP1; A	AT1G1569	23.4.95	nucleotide metabolism	
orange1.1t	69677	Symbols: AVP1, ATAVP3, AVP-3 | AVP1; A	AT1G1569	23.4.95	nucleotide metabolism	
Cs8g03160	32672	Symbols: AtPPa6 | AtPPa6 (Arabidopsis thaliana)	AT5G0965	23.4.95	nucleotide metabolism	
Cs5g02180	25932	nucleoside diphosphate kinase 4 (NDK4)	| chr AT4G2390	23.4.10	nucleotide metabolism	
Cs1g03110	12157	Symbols: NDPK1 | NDPK1; ATP binding / m	AT4G0932	23.4.10	nucleotide metabolism	
Cs5g06840	25528	Symbols: NDPK2, NDPK1A, NDPK1A	AT5G6331	23.4.10	nucleotide metabolism	
Cs7g24930	37511	Symbols: ADK2 | ADK2 (ADENOSINE KINASE)	AT5G0330	23.3.2.	nucleotide metabolism	
Cs5g30370	34693	phosphoribulokinase/uridine kinase family pr	AT1G0303	23.3.2.	nucleotide metabolism	
Cs3g15910	29872	Symbols: APT1, ATAPT1 | APT1 (ADENINE PHOSPHATE	AT1G2745	23.3.1.	nucleotide metabolism	
orange1.1t	32114	uracil phosphoribosyltransferase, putative / U	AT3G5390	23.3.1.	nucleotide metabolism	
Cs7g09280	44001	ribose-phosphate pyrophosphokinase 3 / phos	AT1G1070	23.1.3	nucleotide metabolism	
Cs7g22730	31617	ribose-phosphate pyrophosphokinase 1 / phos	AT2G3539	23.1.3	nucleotide metabolism	
Cs7g17080	36461	ribose-phosphate pyrophosphokinase 3 / phos	AT1G1070	23.1.3	nucleotide metabolism	
orange1.1t	53227	Symbols: ADSS | ADSS (ADENYLOSUCCEINASE)	AT3G5761	23.1.2.	nucleotide metabolism	
Cs2g11440	65714	AICARFT/IMPCHase bienzyme family prote	AT2G3504	23.1.2.	nucleotide metabolism	
Cs8g13200	60516	phosphoribosylaminoimidazole carboxylase, I	AT2G3769	23.1.2.	nucleotide metabolism	
Cs9g09470	41390	Symbols: ATPURM, PUR5 | PUR5; ATP bin	AT3G5501	23.1.2.	nucleotide metabolism	
Cs8g07730	28988	Symbols: ATASE2, CIA1, ATPURF2 | ATAS	AT4G3474	23.1.2.	nucleotide metabolism	
Cs8g07660	34168	Symbols: ATASE2, CIA1, ATPURF2 | ATAS	AT4G3474	23.1.2.	nucleotide metabolism	
Cs7g31810	157039	Symbols: PUR4 | PUR4 (purine biosynthesis	AT1G7426	23.1.2.	nucleotide metabolism	
orange1.1t	62361	phosphoribosylamine--glycine ligase (PUR2)	AT1G0983	23.1.2.	nucleotide metabolism	

Cs2g0232(32306 phosphoribosylglycinamide formyltransferase AT1G3122 23.1.2. nucleotide metabolism
 Cs7g3165(61686 adenylosuccinate lyase, putative / adenylosucc AT1G3628 23.1.2. nucleotide metabolism
 Cs3g1761(46938 Symbols: PUR7, PURC, ATPURC | PUR7 (P AT3G2111 23.1.2. nucleotide metabolism
 Cs1g1470(42386 aspartate carbamoyltransferase, chloroplast / a AT3G2033 23.1.1. nucleotide metabolism
 Cs1g0499(47129 Symbols: CARA | CARA (CARBAMOYL PF AT3G2774 23.1.1. nucleotide metabolism
 Cs8g1717(130087 Symbols: CARB | CARB (CARBAMOYL PF AT1G2990 23.1.1. nucleotide metabolism
 Cs2g2329(34102 Symbols: PYR4, DHOASE | PYR4 (PYRIMI AT4G2293 23.1.1. nucleotide metabolism
 Cs8g1496(16026 Symbols: ATFD3 | ATFD3 (ferredoxin 3); 2 i AT2G2751 7.3 OPP.electron transfer
 Cs7g2035(15888 Symbols: ATFD3 | ATFD3 (ferredoxin 3); 2 i AT2G2751 7.3 OPP.electron transfer
 Cs2g0979(42138 Symbols: ATRFNR1 | ATRFNR1 (ROOT FN AT4G0539 7.3 OPP.electron transfer
 Cs5g0921(43620 transaldolase, putative | chr1:4148033-415102 AT1G1223 7.2.2 OPP.non-reductive P
 Cs8g1079(47764 transaldolase, putative | chr5:4301792-430431 AT5G1342 7.2.2 OPP.non-reductive P
 Cs6g1931(53713 6-phosphogluconate dehydrogenase family pr AT3G0236 7.1.3 OPP.oxidative PP.6-1
 Cs7g1234(53567 6-phosphogluconate dehydrogenase family pr AT3G0236 7.1.3 OPP.oxidative PP.6-1
 Cs5g0272(54206 6-phosphogluconate dehydrogenase family pr AT1G6419 7.1.3 OPP.oxidative PP.6-1
 orange1.lt 35376 Symbols: emb2024 | emb2024 (embryo defect AT5G2440 7.1.2 OPP.oxidative PP.6-1
 Cs2g2454(59124 Symbols: G6PD5 | G6PD5 (glucose-6-phosph AT3G2730 7.1.1 OPP.oxidative PP.G6
 Cs2g1944(66532 Symbols: G6PD1 | G6PD1 (GLUCOSE-6-PH AT5G3579 7.1.1 OPP.oxidative PP.G6
 Cs7g1111(66949 Symbols: G6PD2 | G6PD2 (GLUCOSE-6-PH AT5G1311 7.1.1 OPP.oxidative PP.G6
 Cs6g0106(67143 Symbols: G6PD4 | G6PD4 (GLUCOSE-6-PH AT1G0942 7.1.1 OPP.oxidative PP.G6
 Cs7g0989(59028 Symbols: ALB4, ARTEMIS | ALB4 (ALBIN. AT1G2449 29.8 protein assembly and
 Cs3g1144(22217 rubredoxin family protein | chr1:20356954-20 AT1G5450 29.8 protein assembly and
 gi|113952(267988 hypothetical chloroplast RF2 [Citrus sinensis] 29.8 protein assembly and
 Cs7g1114(28056 peptidyl-prolyl cis-trans isomerase cyclophilin AT5G1312 29.8 protein assembly and
 gi|113952(217532 hypothetical chloroplast RF1 [Citrus sinensis] 29.8 protein assembly and
 orange1.lt 25269 Symbols: NFU2, ATCNFU2 | NFU2 (NIFU-L AT5G4994 29.8.1⁴ protein assembly and
 orange1.lt 23880 Symbols: NFU1, AtCNFU1 | NFU1; structura AT4G0194 29.8.1⁴ protein assembly and
 Cs3g0473(46672 aminomethyltransferase | chr1:22462640-224 AT1G6099 29.8.1⁴ protein assembly and
 Cs4g1560(66679 Symbols: emb1027 | emb1027 (embryo defect AT4G2630 29.1.1⁵ protein.aa activation.
 Cs8g1073(81890 glycyl-tRNA synthetase / glycine--tRNA ligase AT1G2988 29.1.1⁴ protein.aa activation.
 Cs1g0317(91452 Symbols: EDD1, EDD | EDD1 (EMBRYO-D AT3G4811 29.1.1⁴ protein.aa activation.
 orange1.lt 33401 ATP binding / aminoacyl-tRNA ligase/ histidi AT5G0340 29.1.2¹ protein.aa activation.
 orange1.lt 21470 Symbols: ATHRS1 | ATHRS1 (HISTIDYL-T AT3G4610 29.1.2¹ protein.aa activation.
 Cs2g0272(105403 Symbols: EMB2369 | EMB2369 (EMBRYO I AT4G0435 29.1.4 protein.aa activation.
 Cs4g0369(61482 Symbols: ATKRS-1 | ATKRS-1 (ARABIDOI AT3G1171 29.1.6 protein.aa activation.
 Cs6g1740(49345 phenylalanyl-tRNA synthetase class IIc family AT3G5814 29.1.2(protein.aa activation.
 Cs3g1792(56644 Symbols: ATSR5, SRS | SRS (SERYL-TRN AT1G1187 29.1.1¹ protein.aa activation.
 Cs2g1493(54909 Symbols: emb2768 | emb2768 (EMBRYO DE AT3G0266 29.1.1 protein.aa activation.
 Cs4g0570(98714 Symbols: APM1, ATAPM1 | APM1 (AMINC AT4G3309 29.5 protein.degradation
 Cs6g2063(31226 band 7 family protein | chr1:26293660-26295 AT1G6984 29.5 protein.degradation
 Cs7g0433(33783 band 7 family protein | chr1:26293660-26295 AT1G6984 29.5 protein.degradation
 Cs6g2208(58886 Symbols: MPPBETA | mitochondrial processi AT3G0209 29.5 protein.degradation
 Cs4g1305(55060 mitochondrial processing peptidase alpha sub AT1G5198 29.5 protein.degradation
 Cs9g1620(49581 peptidase M48 family protein | chr5:2101702 AT5G5174 29.5 protein.degradation
 Cs8g0325(44669 Symbols: PIP | PIP; aminopeptidase | chr2:60 AT2G1426 29.5 protein.degradation
 orange1.lt 57641 peptidase family protein | chr3:22773386-227 AT3G6154 29.5 protein.degradation
 orange1.lt 45461 Symbols: AtMC4 | AtMC4 (metacaspase 4); c AT1G7934 29.5 protein.degradation
 Cs2g1244(85651 prolyl oligopeptidase family protein | chr1:18 AT1G5038 29.5 protein.degradation
 Cs3g2393(81713 serine-type peptidase | chr5:14247913-142532 AT5G3621 29.5 protein.degradation
 Cs7g2599(77221 Symbols: SPPA | SPPA; serine-type endopept AT1G7399 29.5 protein.degradation

Cs4g0174(60802 cytosol aminopeptidase family protein | chr4:1AT4G3092 29.5 protein.degradation
 Cs3g1388(78929 aminopeptidase/ hydrolase | chr3:1526963-15. AT3G0535 29.5 protein.degradation
 Cs5g0340(110629 peptidase M1 family protein | chr1:23657506- AT1G6377 29.5 protein.degradation
 Cs2g2531(37526 peptidase M48 family protein | chr3:9997895- AT3G2711 29.5 protein.degradation
 Cs7g2073(50291 aspartyl aminopeptidase, putative | chr5:13561 AT5G0471 29.5.4 protein.degradation.a
 Cs3g0708(26430 Symbols: ATCYSB | cysteine protease inhibit AT3G1249 29.5.3 protein.degradation.c
 Cs2g2923(11177 Symbols: ATCYSB | cysteine protease inhibit AT3G1249 29.5.3 protein.degradation.c
 Cs4g1062(23350 OTU-like cysteine protease family protein AT1G5067 29.5.3 protein.degradation.c
 Cs2g1518(116934 Symbols: VAR2, FTSH2 | VAR2 (VARIEGA AT2G3095 29.5.7 protein.degradation.n
 Cs8g0572(38928 Symbols: ATPREP2 | ATPREP2 (ARABIDO AT1G4963 29.5.7 protein.degradation.n
 Cs5g0206(105949 FtsHi1(FtsH protease, putative | chr4:124371(AT4G2394 29.5.7 protein.degradation.n
 Cs7g1288(39898 Symbols: MAP1C, MAP1B | MAP1C (METF AT1G1327 29.5.7 protein.degradation.n
 Cs9g1842(88610 Symbols: FTSH11 | FTSH11 (FtsH protease 1 AT5G5317 29.5.7 protein.degradation.n
 Cs4g1351(55400 M24 peptidase AT4G2949 29.5.7 protein.degradation.n
 orange1.lt 114610 Symbols: EMB1047, FTSH12 | FTSH12 (FTS AT1G7956 29.5.7 protein.degradation.n
 Cs3g2703(77461 Symbols: VAR1, FTSH5 | VAR1 (VARIEGA AT5G4227 29.5.7 protein.degradation.n
 Cs8g0573(77691 Symbols: ATPREP2 | ATPREP2 (ARABIDO AT1G4963 29.5.7 protein.degradation.n
 Cs7g1469(149541 Symbols: emb2458 | emb2458 (embryo defect AT3G0434 29.5.7 protein.degradation.n
 Cs8g0371(66361 Symbols: ATEGY3, EGY3 | EGY3 (ETHYLI AT1G1787 29.5.7 protein.degradation.n
 Cs1g2072(91242 peptidase M3 family protein / thimet oligopep AT5G6562 29.5.7 protein.degradation.n
 Cs8g0676(29477 Symbols: CLPP6, NCLPP1, NCLPP6 | CLPP(AT1G1175 29.5.5 protein.degradation.s
 orange1.lt 33197 Symbols: CLPP5, NCLPP5, NCLPP1 | CLPP: AT1G0256 29.5.5 protein.degradation.s
 Cs5g0785(32506 ClpR4 (ATP-dependent Clp protease proteoly AT4G1704 29.5.5 protein.degradation.s
 Cs6g1792(35892 Symbols: CLPP3, NCLPP3 | CLPP3; serine-ty AT1G6667 29.5.5 protein.degradation.s
 Cs3g1020(32581 Symbols: CLPP4, NCLPP4 | CLPP4 (CLP PR AT5G4539 29.5.5 protein.degradation.s
 Cs3g1429(48041 ClpR3 AT1G0913 29.5.5 protein.degradation.s
 Cs8g0426(37608 Symbols: CLPR1, NCLPP5, SVR2 | CLPR1; AT1G4997 29.5.5 protein.degradation.s
 Cs9g1603(25849 ClpT1 (Clp amino terminal domain-containin; AT4G2537 29.5.5 protein.degradation.s
 Cs5g0970(25934 ClpT2 (Clp amino terminal domain-containin; AT4G1206 29.5.5 protein.degradation.s
 gj|113952(21912 ClpP1 29.5.5 protein.degradation.s
 Cs3g1516(32759 Symbols: CLPP5, NCLPP5, NCLPP1 | CLPP: AT1G0256 29.5.5 protein.degradation.s
 Cs5g0966(31052 Symbols: CLPR2, NCLPP2, CLP2 | CLP2 (Cl AT1G1241 29.5.5 protein.degradation.s
 Cs7g1980(102261 Symbols: CLPC, ATHSP93-V, HSP93-V, DC AT5G5092 29.5.5 protein.degradation.s
 Cs8g0961(13645 Symbols: UBC36, UBC13B | ubiquitin-conju; AT1G1689 29.5.11 protein.degradation.u
 Cs4g0771(13381 Symbols: UBC28 | ubiquitin-conjugating enzy AT1G6423 29.5.11 protein.degradation.u
 Cs4g0418(47049 Symbols: ATS9, RPN6 | ATS9 (ARABIDOP; AT1G2915 29.5.11 protein.degradation.u
 Cs1g2569(27175 Symbols: PAD1 | PAD1 (20s proteasome alph; AT3G5126 29.5.11 protein.degradation.u
 orange1.lt 27360 Symbols: PAC1 | PAC1; endopeptidase/ pepti AT3G2211 29.5.11 protein.degradation.u
 Cs3g1438(45210 Symbols: RPT5A, ATS6A.2 | RPT5A (REGU AT3G0553 29.5.11 protein.degradation.u
 orange1.lt 109340 26S proteasome regulatory subunit, putative | AT2G3273 29.5.11 protein.degradation.u
 Cs5g0193(30790 Symbols: RPN12a | RPN12a (Regulatory Part AT1G6452 29.5.11 protein.degradation.u
 Cs7g2894(71463 Symbols: HSC70-1, HSP70-1, AT-HSC70-1, AT5G0250 29.6 protein.folding
 Cs7g2901(70991 Symbols: HSC70-1, HSP70-1, AT-HSC70-1, AT5G0250 29.6 protein.folding
 orange1.lt 71925 Symbols: HSC70-1, HSP70-1, AT-HSC70-1, AT5G0250 29.6 protein.folding
 orange1.lt 48152 Symbols: HSC70-1, HSP70-1, AT-HSC70-1, AT5G0250 29.6 protein.folding
 Cs3g1448(169777 Symbols: BIP1 | BIP1; ATP binding | chr5:10 AT5G2854 29.6 protein.folding
 Cs3g1422(72890 Symbols: BIP1 | BIP1; ATP binding | chr5:10 AT5G2854 29.6 protein.folding
 Cs5g0184(71725 Symbols: BIP, BIP2 | BIP2; ATP binding | chi AT5G4202 29.6 protein.folding
 Cs3g2626(94300 Symbols: SHD, HSP90.7 | SHD (SHEPHERC AT4G2419 29.6 protein.folding
 Cs8g0301(65395 Symbols: MTHSC70-2, HSC70-5 | MTHSC7(AT5G0959 29.6 protein.folding

Cs8g2021(orange1.1t	22255	Symbols: ROC7 | ROC7; peptidyl-prolyl cis-t	AT5G5871	29.6	protein.folding
Cs6g0589(orange1.1t	61725	Symbols: HSP60-2 | HSP60-2 (HEAT SHOCK	AT2G3321	29.6	protein.folding
Cs7g1593(orange1.1t	12803	Symbols: KIS, TFCA | KIS (KIESEL); unfold	AT2G3041	29.6	protein.folding
Cs4g0968(orange1.1t	61126	trigger factor type chaperone family protein |	AT5G5522	29.6	protein.folding
Cs8g1825(orange1.1t	64640	Symbols: HSC70-1, HSP70-1, AT-HSC70-1,	AT5G0250	29.6	protein.folding
Cs2g2677(orange1.1t	44532	TCP-1/cpn60 chaperonin family protein	AT3G1183	29.6	protein.folding
Cs8g1826(orange1.1t	70917	Symbols: HSC70-1, HSP70-1, AT-HSC70-1,	AT5G0250	29.6	protein.folding
Cs6g1881(orange1.1t	50001	chaperonin, putative | chr3:528574-532582	RIAT3G0253	29.6	protein.folding
orange1.1t	76504	Symbols: CPHSC70-2/EAT SHOCK PROTEI	AT5G4991	29.6	protein.folding
orange1.1t	28855	Symbols: ROC4 | peptidyl-prolyl cis-trans iso	AT3G6203	29.6	protein.folding
Cs8g1284(orange1.1t	18970	Symbols: ROC3 | ROC3; peptidyl-prolyl cis-t	AT2G1660	29.6	protein.folding
orange1.1t	57664	chaperonin, putative | chr3:6232126-6234060	AT3G1819	29.6	protein.folding
Cs9g0330(orange1.1t	64784	Symbols: CPN60B, LEN1 | CPN60B (CHAPI	AT1G5549	29.6	protein.folding
orange1.1t	76496	Symbols: cpHsc70-1 | cpHsc70-1 (chloroplast	AT4G2428	29.6	protein.folding
Cs7g1632(orange1.1t	38008	Symbols: EMB1241 | EMB1241 (embryo defi	AT5G1771	29.6	protein.folding
Cs2g1117(orange1.1t	61116	Symbols: EMB3007 | EMB3007 (embryo defi	AT5G1882	29.6	protein.folding
Cs4g0703(orange1.1t	26592	Symbols: CPN20, CPN10, CHCPN10, ATCP	AT5G2072	29.6	protein.folding
orange1.1t	51644	Symbols: HSP21 | HSP21 (HEAT SHOCK PI	AT4G2767	29.6	protein.folding
Cs7g0624(orange1.1t	110097	Symbols: HSP98.7, CLPB-M, CLPB4 | CLPB	AT2G2514	29.6	protein.folding
Cs7g1213(orange1.1t	90112	Symbols: CR88, EMB1956, HSP90.5 | CR88;	AT2G0403	29.6	protein.folding
Cs6g2177(orange1.1t	109531	Symbols: APG6, CLPB3, CLPB-P | CLPB3 (	AT5G1545	29.6	protein.folding
Cs8g1604(orange1.1t	61501	Symbols: CPN60A, CH-CPN60A, SLP | CPN	AT2G2800	29.6	protein.folding
Cs8g0922(orange1.1t	18093	Symbols: ROC3 | ROC3; peptidyl-prolyl cis-t	AT2G1660	29.6	protein.folding
Cs7g3110(orange1.1t	24455	Symbols: ROC7 | ROC7; peptidyl-prolyl cis-t	AT5G5871	29.6	protein.folding
Cs1g0287(orange1.1t	14956	Symbols: CHL-CPN10, CPN10 | CHL-CPN1	AT2G4465	29.6	protein.folding
Cs3g1893(orange1.1t	33622	co-chaperone grpE family protein | chr1:1370	AT1G3639	29.6	protein.folding
Cs5g2363(orange1.1t	24665	immunophilin / FKBP-type peptidyl-prolyl ci	AT2G4356	29.6	protein.folding
Cs2g2436(orange1.1t	25797	Symbols: HSP21 | HSP21 (HEAT SHOCK PI	AT4G2767	29.6	protein.folding
Cs5g0658(orange1.1t	21810	peptide methionine sulfoxide reductase, putati	AT4G2513	29.11*	protein.methione sull
Cs9g1376(orange1.1t	29855	peptide methionine sulfoxide reductase, putati	AT4G2513	29.11*	protein.methione sull
Cs5g0646(orange1.1t	33311	Symbols: PIMT1, ATPIMT1 | PIMT1 (PROT	AT3G4833	29.4	protein.postranslatior
Cs2g1676(orange1.1t	17524	10 kDa chaperonin, putative | chr1:8195776-8	AT1G2310	29.4	protein.postranslatior
Cs1g1283(orange1.1t	20950	Symbols: PDF1A, ATDEF1 | PDF1A (PEPTI	AT1G1539	29.4	protein.postranslatior
Cs7g0558(orange1.1t	69573	protein kinase family protein | chr4:15570044	AT4G3225	29.4.1	protein.postranslatior
Cs1g1233(orange1.1t	109643	protein kinase family protein | chr4:15570044	AT4G3225	29.4.1	protein.postranslatior
Cs9g1356(orange1.1t	36975	Symbols: PFK4 | PFK4 (PHOSPHOFRUCTO	AT5G6158	29.4.1	protein.postranslatior
orange1.1t	36600	fructosamine kinase family protein | chr3:226	AT3G6108	29.4.1	protein.postranslatior
Cs2g1121(orange1.1t	18621	zinc-binding protein, putative / protein kinase	AT1G3116	29.4.2 ⁴	protein.postranslatior
Cs9g1833(orange1.1t	39168	protein phosphatase 2C, putative / PP2C, puta	AT5G5314	29.4.5	protein.postranslatior
Cs3g0755(orange1.1t	28407	protein tyrosine phosphatase | chr3:16193829-	AT3G4462	29.4.5	protein.postranslatior
orange1.1t	117328	metalloendopeptidase | chr5:16945251-16953	AT5G4239	29.9*	protein.processing
Cs5g0719(orange1.1t	24506	elongation factor 1-beta, putative / EF-1-beta,	AT2G1811	29.2.4	protein.synthesis.eloi
Cs5g1592(orange1.1t	94149	Symbols: LOS1 | LOS1; copper ion binding /	AT1G5607	29.2.4	protein.synthesis.eloi
Cs8g1700(orange1.1t	49321	elongation factor 1-alpha / EF-1-alpha | chr5:2	AT5G6039	29.2.4	protein.synthesis.eloi
Cs7g2747(orange1.1t	97350	elongation factor 1-alpha / EF-1-alpha | chr5:2	AT5G6039	29.2.4	protein.synthesis.eloi
Cs5g3177(orange1.1t	58426	elongation factor Tu, putative / EF-Tu, putativ	AT4G0293	29.2.4	protein.synthesis.eloi
orange1.1t	28866	elongation factor 1-beta, putative / EF-1-beta,	AT2G1811	29.2.4	protein.synthesis.eloi
Cs9g1794(orange1.1t	93825	Symbols: LOS1 | LOS1; copper ion binding /	AT1G5607	29.2.4	protein.synthesis.eloi
Cs4g1626(orange1.1t	63775	Symbols: emb2726 | emb2726 (embryo defect	AT4G2906	29.2.4	protein.synthesis.eloi

Cs2g2922(34106 elongation factor 1B alpha-subunit 2 (eEF1Ba AT5G1951 29.2.4 protein.synthesis.eloi

Cs5g0619(52273 Symbols: ATRAB8D, ATRABE1B | ATRAB AT4G2036 29.2.4 protein.synthesis.eloi

Cs5g0933(85318 Symbols: ATSCO1, ATSCO1/CPEF-G, SCO AT1G6275 29.2.4 protein.synthesis.eloi

Cs1g1797(46931 Symbols: EIF4A-2 | EIF4A-2; ATP-dependen AT1G5427 29.2.3 protein.synthesis.init

Cs5g1126(17486 Symbols: FBR12, ATELF5A-2, ELF5A-2 | FIAT1G2663 29.2.3 protein.synthesis.init

Cs4g0724(39307 eukaryotic translation initiation factor 2B fam AT2G0583 29.2.3 protein.synthesis.init

Cs4g0198(31021 translation initiation factor 3 (IF-3) family prc AT4G3069 29.2.3 protein.synthesis.init

Cs5g2067(29390 tRNA-binding region domain-containing prot AT3G5998 29.2.3 protein.synthesis.init

Cs5g3263(46641 Symbols: APG3 | APG3 (ALBINO AND PAI AT3G6291 29.2.5 protein.synthesis.rele

orange1.lt 14781 40S ribosomal protein S12 (RPS12C) | chr2:1 AT2G3206 29.2.1. protein.synthesis.ribc

orange1.lt 17108 40S ribosomal protein S13 (RPS13A) | chr3:2 AT3G6077 29.2.1. protein.synthesis.ribc

Cs6g1433(31935 40S ribosomal protein S14 (RPS14B) | chr3:3 AT3G1151 29.2.1. protein.synthesis.ribc

Cs8g0539(16789 40S ribosomal protein S16 (RPS16A) | chr2:3 AT2G0999 29.2.1. protein.synthesis.ribc

Cs9g0691(17557 Symbols: PFL, RPS18A, PFL1 | PFL (POINT AT1G2278 29.2.1. protein.synthesis.ribc

Cs3g1141(15451 40S ribosomal protein S24 (RPS24A) | chr3:1 AT3G0492 29.2.1. protein.synthesis.ribc

Cs8g1457(11965 40S ribosomal protein S25 (RPS25A) | chr2:7 AT2G1636 29.2.1. protein.synthesis.ribc

orange1.lt 26324 40S ribosomal protein S3 (RPS3A) | chr2:134 AT2G3161 29.2.1. protein.synthesis.ribc

Cs6g0914(29726 40S ribosomal protein S4 (RPS4A) | chr2:754 AT2G1736 29.2.1. protein.synthesis.ribc

Cs8g2068(30042 40S ribosomal protein S4 (RPS4A) | chr2:754 AT2G1736 29.2.1. protein.synthesis.ribc

Cs6g1324(24029 Symbols: ATRPS5A, AML1 | ATRPS5A (RII AT3G1194 29.2.1. protein.synthesis.ribc

Cs1g1990(28387 Symbols: RPS6 | RPS6 (RIBOSOMAL PROT AT4G3170 29.2.1. protein.synthesis.ribc

Cs7g0403(23105 40S ribosomal protein S9 (RPS9B) | chr5:493 AT5G1520 29.2.1. protein.synthesis.ribc

Cs1g1676(34556 Symbols: RPSAb | RPSAb (40S ribosomal prc AT3G0477 29.2.1. protein.synthesis.ribc

Cs7g2940(25014 60S ribosomal protein L10 (RPL10B) | chr1:9 AT1G2691 29.2.1. protein.synthesis.ribc

Cs2g1525(19699 Symbols: RPL16A | RPL16A; structural const AT2G4274 29.2.1. protein.synthesis.ribc

Cs8g1660(17847 60S ribosomal protein L12 (RPL12A) | chr2:1 AT2G3719 29.2.1. protein.synthesis.ribc

Cs5g2796(23549 60S ribosomal protein L13A (RPL13aA) | chr AT3G0711 29.2.1. protein.synthesis.ribc

orange1.lt 23564 60S ribosomal protein L13A (RPL13aD) | chr AT5G4876 29.2.1. protein.synthesis.ribc

Cs9g1014(15443 60S ribosomal protein L14 (RPL14B) | chr4:1 AT4G2709 29.2.1. protein.synthesis.ribc

Cs7g1059(19703 60S ribosomal protein L17 (RPL17A) | chr1:9 AT1G2740 29.2.1. protein.synthesis.ribc

orange1.lt 18694 60S ribosomal protein L21 (RPL21A) | chr1:3 AT1G0959 29.2.1. protein.synthesis.ribc

Cs1g2145(16835 60S ribosomal protein L26 (RPL26A) | chr3:1 AT3G4991 29.2.1. protein.synthesis.ribc

Cs4g1330(16733 60S ribosomal protein L28 (RPL28A) | chr2:8 AT2G1973 29.2.1. protein.synthesis.ribc

Cs9g1752(14107 60S ribosomal protein L36 (RPL36B) | chr3:1 AT3G5374 29.2.1. protein.synthesis.ribc

Cs6g0407(79305 60S ribosomal protein L4/L1 (RPL4A) | chr3: AT3G0963 29.2.1. protein.synthesis.ribc

Cs2g1845(31536 Symbols: ATL5, PGY3, OLI5, RPL5A | ATL AT3G2552 29.2.1. protein.synthesis.ribc

orange1.lt 33749 Symbols: ATL5, PGY3, OLI5, RPL5A | ATL AT3G2552 29.2.1. protein.synthesis.ribc

Cs7g0147(26139 60S ribosomal protein L6 (RPL6A) | chr1:637 AT1G1854 29.2.1. protein.synthesis.ribc

Cs1g1055(28428 60S ribosomal protein L7 (RPL7D) | chr3:443 AT3G1358 29.2.1. protein.synthesis.ribc

Cs4g0428(28229 60S ribosomal protein L7 (RPL7D) | chr3:443 AT3G1358 29.2.1. protein.synthesis.ribc

Cs2g2869(14005 ribosomal protein L7Ae/L30e/S12e/Gadd45 f: AT4G2238 29.2.1. protein.synthesis.ribc

orange1.lt 24587 60S ribosomal protein L7A (RPL7aA) | chr2:1 AT2G4761 29.2.1. protein.synthesis.ribc

Cs1g2521(28088 Symbols: EMB2296 | EMB2296 (embryo def: AT2G1802 29.2.1. Protein.synthesis.ribc

Cs4g1531(27116 Symbols: PGY2 | PGY2 (PIGGYBACK2); str AT1G3314 29.2.1. protein.synthesis.ribc

Cs7g3134(34110 60S acidic ribosomal protein P0 (RPP0A) | ch AT2G4001 29.2.1. protein.synthesis.ribc

Cs7g0143(28528 PSRP-2 associates with 30S (substitute 16S?) AT3G5215 29.2.1. protein.synthesis.ribc

gi|113952(10595 ribosomal protein S19 [Citrus sinensis] 29.2.1. protein.synthesis.ribc

gi|113952(10922 ribosomal protein S15 [Citrus sinensis] 29.2.1. protein.synthesis.ribc

gi|113952(25287 ribosomal protein S3 [Citrus sinensis] 29.2.1. protein.synthesis.ribc

Cs4g1236(16975 Symbols: RPS7.1, RPS7 | encodes a chloropla ATCG009C 29.2.1. protein.synthesis.ribc

orange1.1t 35417 30S ribosomal protein, putative | chr5:836560 AT5G2449 29.2.1. protein.synthesis.ribc
Cs2g05790 32933 ribosomal protein S5 family protein | chr2:14: AT2G3380 29.2.1. protein.synthesis.ribc
Cs3g24320 22979 Symbols: RPS9, TWN3 | RPS9 (RIBOSOMA AT1G7497 29.2.1. protein.synthesis.ribc
Cs9g05510 22683 Symbols: RPL22 | encodes a chloroplast ribos ATCG0081 29.2.1. protein.synthesis.ribc
Cs7g02150 33297 ribosomal protein L1 family protein | chr3:23: AT3G6349 29.2.1. protein.synthesis.ribc
Cs7g27880 24597 ribosomal protein L10 family protein | chr5:4: AT5G1351 29.2.1. protein.synthesis.ribc
Cs5g16990 27478 Ribosomal protein L13 family protein AT1G7863 29.2.1. protein.synthesis.ribc
Cs2g12550 28147 Symbols: 50S ribosomal protein L15 (RPL15 AT3G2592 29.2.1. protein.synthesis.ribc
Cs5g20790 18844 ribosomal protein L18 family protein | chr1:1: AT1G4835 29.2.1. protein.synthesis.ribc
gi|1139526 29831 ribosomal protein L2 [Citrus sinensis] 29.2.1. protein.synthesis.ribc
Cs1g01660 19821 ribosomal protein L29 family protein | chr5:2: AT5G6522 29.2.1. protein.synthesis.ribc
Cs7g16040 29979 ribosomal protein L3 family protein | chr2:17: AT2G4303 29.2.1. protein.synthesis.ribc
Cs3g25120 15337 Ribosomal protein L31 AT1G7535 29.2.1. protein.synthesis.ribc
Cs8g15500 25597 Symbols: RPL9 | RPL9 (RIBOSOMAL PRO1 AT3G4489 29.2.1. protein.synthesis.ribc
Cs9g01720 45502 Symbols: RPS1, ARRPS1 | RPS1 (RIBOSOM AT5G3051 29.2.1. protein.synthesis.ribc
Cs2g25350 26273 yrdC family protein | chr3:317432-319121 FC AT3G0192 29.2.7* protein.synthesis.ribc
Cs5g31240 31177 Symbols: RRF | RRF (RIBOSOME RECYCL AT3G6319 29.2.9* protein.synthesis.ribc
Cs8g12230 137330 Symbols: ATTOC120, TOC120 | ATTOC120 AT3G1662 29.3.3 protein.targeting.chlc
Cs6g03010 22663 tic20 protein-related | chr2:19594187-195950 AT2G4784 29.3.3 protein.targeting.chlc
Cs8g18910 89225 Symbols: TOC75-III | TOC75-III (TRANSLC AT3G4674 29.3.3 protein.targeting.chlc
orange1.1t 19100 FUNCTIONS IN: molecular_function unknov AT1G5090 29.3.3 protein.targeting.chlc
Cs7g13480 77303 Symbols: OEP80, ATOEP80, TOC75 | OEP80 AT5G1962 29.3.3 protein.targeting.chlc
orange1.1t 34304 chloroplast inner membrane import protein Ti AT3G2371 29.3.3 protein.targeting.chlc
Cs7g06690 61919 Symbols: TIC55 | TIC55 (TRANSLOCON A' AT2G2482 29.3.3 protein.targeting.chlc
Cs7g06680 59933 Symbols: TIC55 | TIC55 (TRANSLOCON A' AT2G2482 29.3.3 protein.targeting.chlc
orange1.1t 91671 preprotein translocase secA subunit, putative | AT4G0180 29.3.3 protein.targeting.chlc
Cs3g20120 198801 ATP binding / protein binding | chr1:7592664 AT1G2165 29.3.3 protein.targeting.chlc
Cs5g21930 32907 Symbols: PTAC4 | PTAC4 (PLASTID TRAN AT1G6526 29.3.3 protein.targeting.chlc
orange1.1t 34425 Symbols: TOC33, ATTOC33, PPI1 | TOC33 (AT1G0228 29.3.3 protein.targeting.chlc
Cs2g09190 111317 Symbols: ATTIC110, TIC110 | TIC110 (TRA AT1G0695 29.3.3 protein.targeting.chlc
Cs5g32980 144180 Symbols: TOC159, TOC86, PPI2, TOC160, AT4G0251 29.3.3 protein.targeting.chlc
Cs6g10920 34484 Symbols: TOC34, ATTOC34, OEP34 | TOC3 AT5G0500 29.3.3 protein.targeting.chlc
Cs6g17260 37022 Symbols: PDE120, TIC40, ATTIC40 | TIC40 AT5G1662 29.3.3 protein.targeting.chlc
Cs7g13380 34611 translocase of the outer mitochondrial membr: AT3G2000 29.3.2 protein.targeting.mito
Cs2g28780 32723 transducin family protein / WD-40 repeat fam AT2G3005 29.3.1 protein.targeting.nuc
Cs9g02690 58668 Symbols: IMPA-2 | IMPA-2 (IMPORTIN AL AT4G1614 29.3.1 protein.targeting.nuc
orange1.1t 96648 importin beta-2, putative | chr5:21713366-217 AT5G5348 29.3.1 protein.targeting.nuc
Cs5g01850 96714 importin beta-2, putative | chr5:21713366-217 AT5G5348 29.3.1 protein.targeting.nuc
Cs8g09020 32743 Symbols: TIM | TIM (TRIOSEPHOSPHATE AT2G2117 1.3.5 PS.calvin cycle.TPI
orange1.1t 14393 Symbols: CP12-2, CP12 | CP12-2; protein bin AT3G6241 1.3 PS.calvin cyle
Cs8g08710 42800 fructose-bisphosphate aldolase, putative | chr4: AT4G3897 1.3.6 PS.calvin cyle.aldola
Cs2g13410 43033 fructose-bisphosphate aldolase, putative | chr2: AT2G0114 1.3.6 PS.calvin cyle.aldola
orange1.1t 44918 fructose-1,6-bisphosphatase family protein | cl AT5G6438 1.3.7 PS.calvin cyle.FBPas
orange1.1t 49446 phosphoglycerate kinase, putative | chr1:2102 AT1G5619 1.3.3 PS.calvin cyle.phosp
Cs3g10480 29472 ribose 5-phosphate isomerase-related | chr3:1: AT3G0479 1.3.10 PS.calvin cyle.Rib5P
Cs7g31800 46962 Symbols: RCA | RCA (RUBISCO ACTIVAS AT2G3973 1.3.13 PS.calvin cyle.rubisc
Cs6g06660 52543 Symbols: RCA | RCA (RUBISCO ACTIVAS AT2G3973 1.3.13 PS.calvin cyle.rubisc
gi|1139526 52518 ribulose-1,5-bisphosphate carboxylase/oxygenase large su 1.3.1 PS.calvin cyle.rubisc
Cs4g03580 19456 ribulose bisphosphate carboxylase small chair AT5G3841 1.3.2 PS.calvin cyle.rubisc
orange1.1t 80707 transketolase, putative | chr2:18672682-18675 AT2G4529 1.3.8 PS.calvin cyle.transk

gi|1139526	55486	ATP synthase CF1 alpha subunit [Citrus sinensis]	1.1.4	PS.lightreaction.ATP
gi|1139526	53636	ATP synthase CF1 beta subunit [Citrus sinensis]	1.1.4	PS.lightreaction.ATP
Cs7g05570	23430	ATP synthase family | chr4:15573636-155747	AT4G3226	1.1.4 PS.lightreaction.ATP
gi|1139526	18531	NADH-plastoquinone oxidoreductase subunit J [Citrus sir	1.1.6	PS.lightreaction.NAI
Cs2g03780	28039	Symbols: CAB2, AB165, LHCB1.1 | CAB2 (AT1G2992	1.1.1.1	PS.lightreaction.phot
Cs2g19680	28708	Symbols: LHCB2.1, LHCB2 | LHCB2.1; chlo AT2G0510	1.1.1.1	PS.lightreaction.phot
gi|1139526	56114	photosystem II CP47 chlorophyll apoprotein [Citrus sinei	1.1.1.2	PS.lightreaction.phot
Cs1g08260	26236	Encodes a PsbP domain-OEC23 like protein l	AT2G2860	1.1.1.2 PS.lightreaction.phot
Cs1g23450	35377	Symbols: PSBO2, PSBO-2, OEC33 | PSBO2	AT3G5082	1.1.1.2 PS.lightreaction.phot
Cs7g18780	27867	Symbols: PSBP-1, OEE2, PSII-P, OE23 | PSE	AT1G0668	1.1.1.2 PS.lightreaction.phot
Cs2g03230	33302	(S)-2-hydroxy-acid oxidase, peroxisomal, put:	AT3G1442	1.2.2 PS.photorespiration.g
Cs1g15150	34498	oxidoreductase family protein | chr1:3004474	AT1G7987	1.2.6 PS.photorespiration.f
Cs5g20740	50516	Symbols: SHM3 | SHM3 (SERINE HYDROX	AT4G3252	1.2.5 PS.photorespiration.s
Cs1g21340	28234	FUNCTIONS IN: molecular_function unknow	AT5G6584	21 redox
Cs5g27970	14801	Symbols: B5 #4, ATCB5-B, CB5-B | CB5-B	(AT2G3272	21.2 redox.ascorbate and {
Cs6g15230	47169	Symbols: ATMDAR1 | monodehydroascorbat	AT3G5288	21.2.1 redox.ascorbate and {
Cs1g25730	31785	Symbols: APX3 | APX3 (ASCORBATE PER	AT4G3500	21.2.1 redox.ascorbate and {
Cs8g02730	31760	Symbols: APX3 | APX3 (ASCORBATE PER	AT4G3500	21.2.1 redox.ascorbate and {
Cs5g03080	54372	Symbols: MDAR6 | monodehydroascorbate re	AT1G6394	21.2.1 redox.ascorbate and {
Cs6g17520	29230	Symbols: DHAR3 | DHAR3 (dehydroascorba	AT5G1671	21.2.1 redox.ascorbate and {
Cs6g04140	27558	Symbols: APX1, CS1 | APX1 (ascorbate pero	AT1G0789	21.2.1 redox.ascorbate and {
Cs7g28340	23850	Symbols: DHAR2 | DHAR2 (DEHYDROAS	AT1G7527	21.2.1 redox.ascorbate and {
Cs3g19810	47330	Symbols: TAPX | TAPX (THYLAKOIDAL	AT1G7749	21.2.1 redox.ascorbate and {
Cs8g17370	27570	Symbols: APX1, CS1 | APX1 (ascorbate pero	AT1G0789	21.2.1 redox.ascorbate and {
Cs2g02090	52546	Symbols: VTC4 | VTC4; 3'(2'),5'-bisphosphat	AT3G0287	21.2.1 redox.ascorbate and {
Cs5g03830	25376	Symbols: ATGPX6, PHGPX, LSC803 | ATGI	AT4G1160	21.2.2 redox.ascorbate and {
Cs5g31640	19061	Symbols: ATGPX6, PHGPX, LSC803 | ATGI	AT4G1160	21.2.2 redox.ascorbate and {
Cs7g06520	27025	Symbols: ATGPX7 | ATGPX7 (glutathione pe	AT4G3187	21.2.2 redox.ascorbate and {
orange1.lt	23228	Symbols: ATGPX7 | ATGPX7 (glutathione pe	AT4G3187	21.2.2 redox.ascorbate and {
Cs5g03610	59363	Symbols: RML1, PAD2, GSH1, CAD2, ATE	AT4G2310	21.2.2 redox.ascorbate and {
Cs3g12590	64628	Symbols: GSH2, GSHB | GSH2 (GLUTATHI	AT5G2738	21.2.2 redox.ascorbate and {
orange1.lt	44858	Symbols: GR, EMB2360, ATGR2 | GR (GLU	AT3G5466	21.2.2 redox.ascorbate and {
Cs3g27290	56925	Symbols: CAT2 | CAT2 (CATALASE 2); cat	AT4G3509	21.6 redox.dismutases anc
Cs3g12000	15094	Symbols: CSD1 | CSD1 (COPPER/ZINC SUI	AT1G0883	21.6 redox.dismutases anc
Cs7g29850	31695	Symbols: MSD1, MEE33, ATMSD1 | MSD1	AT3G1092	21.6 redox.dismutases anc
Cs3g27280	57191	Symbols: CAT2 | CAT2 (CATALASE 2); cat	AT4G3509	21.6 redox.dismutases anc
Cs5g26750	16310	Symbols: CSD2, CZSOD2 | CSD2 (COPPER	AT2G2819	21.6 redox.dismutases anc
Cs7g13550	22679	Symbols: FSD3 | FSD3 (FE SUPEROXIDE L	AT5G2331	21.6 redox.dismutases anc
Cs8g15520	26002	Symbols: CSD2, CZSOD2 | CSD2 (COPPER	AT2G2819	21.6 redox.dismutases anc
Cs7g19240	29414	Symbols: FSD2 | FSD2 (FE SUPEROXIDE L	AT5G5110	21.6 redox.dismutases anc
Cs7g19250	26315	Symbols: FSD2 | FSD2 (FE SUPEROXIDE L	AT5G5110	21.6 redox.dismutases anc
Cs5g05660	13006	glutaredoxin, putative | chr5:16147594-16149	AT5G4037	21.4 redox.glutaredoxins
Cs2g27730	11250	glutaredoxin, putative | chr5:16147594-16149	AT5G4037	21.4 redox.glutaredoxins
Cs5g34420	19092	glutaredoxin family protein | chr4:14199096-1	AT4G2873	21.4 redox.glutaredoxins
Cs9g17130	25999	Symbols: ATMP2, ATMAMP3, MSBP2, MAI	AT3G4889	21.3 redox.heme
orange1.lt	14674	Symbols: ATB5-A, B5 #2, ATCB5-E, CB5-E	AT5G5356	21.3 redox.heme
Cs6g14580	33636	SOUL heme-binding family protein | chr3:31	AT3G1013	21.3 redox.heme
Cs5g28410	26102	Symbols: GLB1, AHB1, ARATH GLB1, NSI	AT2G1606	21.3 redox.heme
Cs7g16410	31164	Symbols: ATCBR, CBR1 | ATCBR (ARABII	AT5G1777	21.99 redox.misc
Cs4g17550	36036	NADH-cytochrome b5 reductase, putative | cl	AT5G2008	21.99 redox.misc

Cs4g16140	17322	Symbols: TPX1 | TPX1 (thioredoxin-depende	AT1G6598 21.5	redox.periredoxins
Cs6g15550	24434	peroxiredoxin type 2, putative | chr3:1963966	AT3G5296 21.5	redox.periredoxins
Cs4g06940	23612	Symbols: ATPRX Q | ATPRX Q; antioxidant	AT3G2606 21.5	redox.periredoxins
Cs6g13880	29493	Symbols: 2-Cys Prx B | 2-Cys Prx B (2-Cyste	AT5G0629 21.5	redox.periredoxins
Cs2g15050	19480	Symbols: CXIP1, ATGRXCP | CXIP1 (CAX	AT3G5490 21.5	redox.periredoxins
Cs2g20430	46864	Symbols: ATPDIL2-2, ATPDI10, PDI10 | AT	AT1G0498 21.1	redox.thioredoxin
Cs5g33860	42564	Symbols: ATPDIL2-1, UNE5, MEE30, PDI1	AT2G4747 21.1	redox.thioredoxin
Cs8g16680	65512	Symbols: ATPDIL1-4, PDI2, ATPDI2 | ATPI	AT5G6064 21.1	redox.thioredoxin
Cs3g19790	55616	Symbols: ATPDIL1-1, ATPDI5, PDI5 | ATPI	AT1G2175 21.1	redox.thioredoxin
Cs1g08920	104260	CBS domain-containing protein | chr5:342885	AT5G1086 21.1	redox.thioredoxin
orange1.1t	59455	Symbols: NTRC | NTRC (NADPH-DEPEND	AT2G4168 21.1	redox.thioredoxin
orange1.1t	20924	Symbols: LEJ2, CDCP2 | LEJ2 (LOSS OF TF	AT4G3691 21.1	redox.thioredoxin
Cs6g20130	14247	ferredoxin thioredoxin reductase catalytic bet	AT2G0470 21.1	redox.thioredoxin
Cs8g06060	19073	Symbols: ATHM3, ATM3 | thioredoxin M-tyl	AT2G1557 21.1	redox.thioredoxin
Cs3g25420	13477	Symbols: ATTRX3, ATH3, ATTRXH3, TRX	AT5G4298 21.1	redox.thioredoxin
Cs2g12260	17326	Symbols: FTRA2 | FTRA2 (ferredoxin/thiore	AT5G0841 21.1	redox.thioredoxin
Cs3g21480	18800	Symbols: ATY1, TRX-Y1 | ATY1 (ARABID	AT1G7676 21.1	redox.thioredoxin
Cs6g02830	19897	Symbols: TRXF2, ATF2 | ATF2; enzyme acti	AT5G1640 21.1	redox.thioredoxin
Cs1g07120	20164	Symbols: ATHM4, TRX-M4, ATM4 | TRX-M	AT3G1536 21.1	redox.thioredoxin
Cs7g13660	21442	Symbols: ATHX, ATX | ATHX; enzyme activ	AT1G5032 21.1	redox.thioredoxin
Cs7g24780	22455	Symbols: WCRKC2 | WCRKC2 (WCRKC Tl	AT5G0426 21.1	redox.thioredoxin
Cs1g24740	13206	Symbols: ATTRX1, ATTRX H1 | ATTRX1; c	AT3G5103 21.1	redox.thioredoxin
Cs5g06450	38055	Symbols: RBP31, ATRBP31, CP31, ATRBP3	AT4G2477 27.1.5*	RNA.editing
orange1.1t	19330	thylakoid lumenal 17.4 kDa protein, chloropl	AT5G5349 27.7*	RNA.misc.pentatrico
Cs8g05340	70702	Symbols: PAB2, PABP2, ATPAB2 | PAB2 (F	AT4G3411 27.1	RNA.processing
Cs4g10610	20034	endoribonuclease L-PSP family protein | chr3	AT3G2039 27.1	RNA.processing
Cs7g15310	19434	BolA-like family protein | chr5:5788454-5785	AT5G1756 27.3	RNA.regulation of tr
orange1.1t	64182	Symbols: AKR2B | AKR2B (ANKYRIN REF	AT2G1739 27.3.35	RNA.regulation of tr
Cs7g04270	25193	Symbols: ATWHY1, PTAC1, WHY1 | WHY	AT1G1441 27.3.65	RNA.regulation of tr
Cs9g17210	20565	remorin family protein | chr3:18142863-1814	AT3G4894 27.3.95	RNA.regulation of tr
orange1.1t	36100	Symbols: ATARCA, RACK1A_AT | ATARC	AT1G1808 27.3.95	RNA.regulation of tr
Cs1g05590	24051	FUNCTIONS IN: molecular_function unknow	AT4G0962 27.3.95	RNA.regulation of tr
Cs7g19370	108097	tudor domain-containing protein / nuclease fai	AT5G0735 27.3.73	RNA.regulation of tr
Cs6g11900	31782	29 kDa ribonucleoprotein, chloroplast, putativ	AT2G3722 27.4	RNA.RNA binding
orange1.1t	60879	ubiquitin thiolesterase | chr4:451251-453243	AT4G0103 27.4	RNA.RNA binding
Cs8g06360	16862	Symbols: ATGRP7, CCR2, GR-RBP7, GRP7	AT2G2166 27.4	RNA.RNA binding
orange1.1t	31255	33 kDa ribonucleoprotein, chloroplast, putativ	AT1G0108 27.4	RNA.RNA binding
Cs6g13570	35097	Symbols: CP33, PDE322 | CP33; RNA bindin	AT3G5238 27.4	RNA.RNA binding
Cs2g01780	78098	LOCATED IN: chloroplast; EXPRESSED IN	AT4G1639 27.4	RNA.RNA binding
Cs4g08130	39160	Symbols: EMB1374, CPSUFE, ATSUFE, SU	AT4G2650 14	S-assimilation
Cs2g07970	61967	Symbols: ATABC1, LAF6, ATNAP1 | ATAE	AT4G0477 14	S-assimilation
Cs7g23800	35652	Symbols: ATNAP7 | ATNAP7; ATPase, coup	AT3G1067 14	S-assimilation
Cs7g22890	53471	Symbols: ATNAP6 | ATNAP6 (NON-INTRII	AT1G3250 14	S-assimilation
Cs2g29250	50173	Symbols: ATSUF5, SUFS, ATCPNIFS, ATN	AT1G0849 14	S-assimilation
Cs9g07750	51958	Symbols: APS1 | APS1 (ATP SULFURYLAS	AT3G2289 14.1	S-assimilation.APS
Cs2g30390	78177	Symbols: SIR | SIR; sulfite reductase (ferredo	AT5G0459 14.3	S-assimilation.sulfite
Cs5g13060	30121	chalcone-flavanone isomerase-related | chr1:1	AT1G5352 16.8.2	secondary metabolisr
orange1.1t	31607	Symbols: BEN1 | BEN1; binding / catalytic/ c	AT2G4540 16.8.4	secondary metabolisr
Cs6g13340	74704	Symbols: CRTISO, CCR2 | CRTISO (CARO	AT1G0682 16.1.4	secondary metabolisr
Cs6g18640	29399	Symbols: ABA4 | ABA4 (abscisic acid (ABA	AT1G6708 16.1.4	secondary metabolisr

Cs7g0171(49996 Symbols: CCD1, ATCCD1, ATNCED1, NCE AT3G6352 16.1.4. secondary metabolis

Cs6g1591(49507 phytoene synthase (PSY) / geranylgeranyl-dip AT5G1723 16.1.4. secondary metabolis

Cs3g1101(217318 Symbols: ZDS, PDE181 | ZDS (ZETA-CARC AT3G0487 16.1.4. secondary metabolis

Cs3g1118(63114 Symbols: ZDS, PDE181 | ZDS (ZETA-CARC AT3G0487 16.1.4. secondary metabolis

Cs2g1918(41340 Symbols: EMB1276, ACAT2 | ACAT2 (ACE AT5G4823 16.1.2. secondary metabolis

Cs6g0269(34499 Symbols: IPP1 | IPP1 (ISOPENTENYL DIPH AT5G1644 16.1.2. secondary metabolis

Cs7g2054(41379 mevalonate diphosphate decarboxylase, putati AT3G5425 16.1.2. secondary metabolis

Cs2g2897(46681 Symbols: ATCDPMEK, PDE277, ISPE | ATCAT2G2693 16.1.1. secondary metabolis

Cs3g0142(32592 Symbols: ISPD, ATMEPCT, MCT | ISPD; 2-(AT2G0250 16.1.1. secondary metabolis

Cs5g0544(51276 Symbols: DXR, PDE129 | DXR (1-DEOXY-I AT5G6279 16.1.1. secondary metabolis

Cs1g2053(59547 Symbols: CLA1, DEF, CLA, DXS, DXPS2 | (AT4G1556 16.1.1. secondary metabolis

Cs8g0214(36921 Symbols: GGR | GGR (geranylgeranyl reduct. AT4G3846 16.1.1. secondary metabolis

Cs1g2367(39052 Symbols: GGPS1 | GGPS1 (GERANYLGER. AT4G3681 16.1.1. secondary metabolis

Cs8g0703(33894 Symbols: CLB6, ISPH, HDR | HDR (4-HYDI AT4G3435 16.1.1. secondary metabolis

Cs8g0702(52847 Symbols: CLB6, ISPH, HDR | HDR (4-HYDI AT4G3435 16.1.1. secondary metabolis

Cs5g2820(52216 Symbols: CLB6, ISPH, HDR | HDR (4-HYDI AT4G3435 16.1.1. secondary metabolis

Cs8g1670(82363 Symbols: GCPE, ISPG, CSB3, CLB4, HDS | . AT5G6060 16.1.1. secondary metabolis

Cs5g0305(25575 Symbols: ISPF, MECPS | ISPF; 2-C-methyl-I AT1G6397 16.1.1. secondary metabolis

Cs3g0419(55869 Symbols: ATTPS-CIN | ATTPS-CIN (terpene AT3G2583 16.1.5 secondary metabolis

Cs3g0436(70372 Symbols: ATTPS-CIN | ATTPS-CIN (terpene AT3G2583 16.1.5 secondary metabolis

Cs3g0417(70257 Symbols: ATTPS-CIN | ATTPS-CIN (terpene AT3G2583 16.1.5 secondary metabolis

Cs3g0467(43479 Symbols: HPT1, TPT1, ATHPT, VTE2 | HPT AT2G1895 16.1.3. secondary metabolis

Cs7g0601(44750 Symbols: HPT1, TPT1, ATHPT, VTE2 | HPT AT2G1895 16.1.3. secondary metabolis

Cs1g1053(41811 Symbols: HPT1, TPT1, ATHPT, VTE2 | HPT AT2G1895 16.1.3. secondary metabolis

Cs5g3059(37872 Symbols: APG1, VTE3, IEP37, E37 | APG1 (AT3G6341 16.1.3. secondary metabolis

Cs9g0782(38263 Symbols: APG1, VTE3, IEP37, E37 | APG1 (AT3G6341 16.1.3. secondary metabolis

Cs4g1967(53904 Symbols: VTE1, ATSDX1 | VTE1 (VITAMIN AT4G3277 16.1.3. secondary metabolis

Cs5g0488(54951 Symbols: ALDH10A8 | ALDH10A8; 3-chloro AT1G7492 16.4.2. secondary metabolis

Cs3g1938(51882 aminotransferase class I and II family protein AT1G7767 16.2 secondary metabolis

Cs3g1799(29742 Symbols: GRF1, GF14 CHI | 14-3-3-like prot. AT4G0900 30.7 signalling.14-3-3 pro

Cs1g2022(27688 Symbols: GRF8, 14-3-3KAPPA, GF14 KAPP AT5G6543 30.7 signalling.14-3-3 pro

Cs6g1883(29740 Symbols: GRF3, RCI1 | GRF3 (GENERAL R AT5G3848 30.7 signalling.14-3-3 pro

Cs2g1555(29950 Symbols: GRF9, GF14 MU | GRF9 (GENER. AT2G4259 30.7 signalling.14-3-3 pro

Cs3g1820(28861 Symbols: GRF9, GF14 MU | GRF9 (GENER. AT2G4259 30.7 signalling.14-3-3 pro

orange1.lt 29442 Symbols: GRF1, GF14 CHI | 14-3-3-like prot. AT4G0900 30.7 signalling.14-3-3 pro

Cs3g1747(28536 Symbols: GRF6, AFT1, 14-3-3lambda | GRF6 AT5G1045 30.7 signalling.14-3-3 pro

Cs2g0485(29433 Symbols: GRF9, GF14 MU | GRF9 (GENER. AT2G4259 30.7 signalling.14-3-3 pro

Cs7g1940(60990 Symbols: CNX1, ATCNX1 | calnexin 1 (CNX AT5G6179 30.3 signalling.calcium

Cs7g1574(18787 calcium-binding EF hand family protein | chr1 AT1G6485 30.3 signalling.calcium

Cs5g3134(71049 Symbols: MIRO2, ATCBG | MIRO2 (MIRO- AT3G6315 30.5 signalling.G-proteins

Cs9g0250(22228 Symbols: ASAR1, ATSARA1C, ATSAR2 | A AT4G0208 30.5 signalling.G-proteins

Cs4g1594(20892 Symbols: AtRABG3d | AtRABG3d (Arabidop AT1G5228 30.5 signalling.G-proteins

Cs8g0651(23026 Symbols: ATRABG3F, ATRAB7B, RAB71, . AT3G1882 30.5 signalling.G-proteins

Cs2g0140(23194 Symbols: AT-RAB2, ATRABB1C, ATRAB2 AT4G1717 30.5 signalling.G-proteins

Cs9g0249(21542 Symbols: ASAR1, ATSARA1C, ATSAR2 | A AT4G0208 30.5 signalling.G-proteins

orange1.lt 22019 Symbols: ASAR1, ATSARA1C, ATSAR2 | A AT4G0208 30.5 signalling.G-proteins

Cs1g0389(23711 Symbols: RAB7, ATRABG3B, RAB75, RAB AT1G2274 30.5 signalling.G-proteins

Cs5g1573(45808 GTP-binding protein-related | chr1:20963719- AT1G5605 30.5 signalling.G-proteins

Cs4g0656(196436 Symbols: ATMIN7 | ATMIN7 (ARABIDOPS AT3G4330 30.5 signalling.G-proteins

orange1.lt 21117 Symbols: PII, GLB1 | GLB1 (GLNB1 HOMC AT4G0190 30.1.1 signalling.in sugar ar

Cs5g0254(124214 Symbols: CIP1 | CIP1 (COP1-INTERACTIV AT5G4179 30.11.1 signalling.light.COP1

Cs9g0234(17829 universal stress protein (USP) family protein | AT3G1702 20.2.2 stress.abiotic.cold

Cs2g0832(66951 Symbols: ERD4 | ERD4 (early-responsive to c AT1G3036 20.2.3 stress.abiotic.drought

Cs8g0277(47216 Symbols: ERD7 | ERD7 (EARLY-RESPONS AT2G1784 20.2.3 stress.abiotic.drought

Cs1g1256(26812 26.5 kDa class I small heat shock protein-like AT1G5256 20.2.1 stress.abiotic.heat

Cs4g0822(80068 heat shock protein 81-4 (HSP81-4) | chr5:226' AT5G5600 20.2.1 stress.abiotic.heat

Cs6g1126(76231 heat shock protein 70, putative / HSP70, putat AT4G1666 20.2.1 stress.abiotic.heat

Cs9g1469(23371 Symbols: ATHSP23.6-MITO | ATHSP23.6-M AT4G2520 20.2.1 stress.abiotic.heat

Cs5g1172(92490 Symbols: ATHSP101, HSP101, HOT1 | ATH AT1G7431 20.2.1 stress.abiotic.heat

Cs3g0766(18075 17.8 kDa class I heat shock protein (HSP17.8- AT1G0740 20.2.1 stress.abiotic.heat

Cs5g0315(80523 Symbols: HSP81-1, ATHS83, HSP81.1, HSP AT5G5264 20.2.1 stress.abiotic.heat

Cs9g1922(80600 Symbols: HSP81-1, ATHS83, HSP81.1, HSP AT5G5264 20.2.1 stress.abiotic.heat

Cs3g2697(26745 Symbols: LTI29, LTI45, ERD10 | ERD10 (E/ AT1G2045 20.2.99 stress.abiotic.unspeci

Cs5g2568(24147 germin-like protein, putative | chr5:15657802- AT5G3911 20.2.99 stress.abiotic.unspeci

Cs2g0450(65856 binding / catalytic/ transcription repressor | ch AT4G1881 20.2.99 stress.abiotic.unspeci

Cs1g2633(35321 Symbols: ATHCHIB, PR3, PR-3, CHI-B, B-CAT3G1250 20.1 stress.biotic

Cs6g0669(11544 protease inhibitor, putative | chr2:16236381-1 AT2G3887 20.1 stress.biotic

Cs7g0866(28061 Symbols: CA2, CA18, BETA CA2 | CA2 (CA AT5G1474 8.3 TCA / org.transforma

Cs2g2143(109020 aconitate hydratase, cytoplasmic, putative / ci AT2G0571 8.2.3 TCA / org.transforma

Cs1g2604(90283 aconitate hydratase, cytoplasmic, putative / ci AT2G0571 8.2.3 TCA / org.transforma

Cs4g1028(109648 aconitate hydratase, cytoplasmic, putative / ci AT2G0571 8.2.3 TCA / org.transforma

Cs6g0121(46604 Symbols: ACLA-3 | ACLA-3; ATP citrate sy AT1G0943 8.2.11 TCA / org.transforma

Cs9g0223(65954 Symbols: ACLB-2 | ACLB-2 (ATP CITRAT AT5G4946 8.2.11 TCA / org.transforma

Cs9g1047(35540 malate dehydrogenase, cytosolic, putative | ch AT1G0441 8.2.9 TCA / org.transforma

Cs1g0361(33505 malate dehydrogenase, cytosolic, putative | ch AT1G0441 8.2.9 TCA / org.transforma

Cs6g1197(42726 isocitrate dehydrogenase, putative / NAD+ isc AT5G0329 8.2.4 TCA / org.transforma

Cs4g1527(65329 Symbols: ATNADP-ME4 | ATNADP-ME4 (AT1G7975 8.2.10 TCA / org.transforma

Cs4g1920(61776 Symbols: ATNADP-ME3 | ATNADP-ME3 (AT5G2588 8.2.10 TCA / org.transforma

Cs5g1073(43422 Symbols: MDH | MDH (MALATE DEHYDRAT3G4752 8.2.99 TCA / org.transforma

Cs7g2182(47942 malate dehydrogenase (NADP), chloroplast, p AT5G5833 8.2.99 TCA / org.transforma

Cs5g1981(116080 2-oxoglutarate dehydrogenase E1 component, AT5G6575 8.1.5 TCA / org.transforma

Cs7g0117(52176 Symbols: ATCS, CSY4 | ATCS; ATP binding AT2G4435 8.1.2 TCA / org.transforma

Cs5g3358(104066 fumarate hydratase, putative / fumarase, putat AT5G5095 8.1.8 TCA / org.transforma

orange1.lt 46767 isocitrate dehydrogenase, putative / NADP+ i AT1G6593 8.1.4 TCA / org.transforma

orange1.lt 46535 isocitrate dehydrogenase, putative / NADP+ i AT1G6593 8.1.4 TCA / org.transforma

Cs2g2772(55137 isocitrate dehydrogenase, putative / NADP+ i AT5G1459 8.1.4 TCA / org.transforma

Cs1g2638(40270 Symbols: IDH1 | IDH1 (ISOCITRATE DEHY AT4G3526 8.1.4 TCA / org.transforma

Cs7g2539(31645 malate dehydrogenase (NAD), mitochondrial, AT3G1502 8.1.9 TCA / org.transforma

Cs7g0291(27348 Symbols: MAB1 | MAB1 (MACCI-BOU); ca AT5G5085 8.1.1.1 TCA / org.transforma

Cs7g0789(43510 Symbols: AT-E1 ALPHA | AT-E1 ALPHA; o AT1G5990 8.1.1.1 TCA / org.transforma

Cs1g1793(46031 dihydrolipoamide S-acetyltransferase, putativ AT3G1393 8.1.1.2 TCA / org.transforma

Cs9g0167(53852 Symbols: mtLPD1 | mtLPD1 (mitochondrial l AT1G4803 8.1.1.3 TCA / org.transforma

Cs2g2410(31522 Symbols: SDH2-2 | SDH2-2; electron carrier/ AT5G4065 8.1.7 TCA / org.transforma

Cs2g1409(49851 Esterase 1; esterase/lipase/thioesterase family AT5G4112 19.50* tetrapyrrole degradat

Cs8g1548(60993 Symbols: ACD1, LLS1, PAO | ACD1 (ACCE AT3G4488 19.50* tetrapyrrole degradat

Cs2g1411(61467 Esterase 1; esterase/lipase/thioesterase family AT5G4112 19.50* tetrapyrrole degradat

orange1.lt 49232 coenzyme F420 hydrogenase family / dehydr AT1G0462 19.50* tetrapyrrole degradat

Cs2g1412(64818 Esterase 1; esterase/lipase/thioesterase family AT5G4112 19.50* tetrapyrrole degradat

Cs1g2267(36775 Symbols: ACD2, ATRCCR | ACD2 (ACCEL AT4G3700 19.50* tetrapyrrole degradat

Cs7g0224(59095 hydrolase, alpha/beta fold family protein | chr. AT5G1380 19.50* tetrapyrrole degradat

Cs6g0872(orange1.1t	40602	Symbols: ATG4, G4, CHLG | G4; chlorophyl	AT3G5182 19.15	tetrapyrrole synthesis
Cs4g1873(	53160	Symbols: FC1, FC-I, ATFC-I | FC1 (ferrochel	AT5G2603 19.2	tetrapyrrole synthesis
Cs1g1936(	21520	Symbols: FC2, FC-II, ATFC-II | FC2 (FERRC	AT2G3039 19.2	tetrapyrrole synthesis
Cs3g0310(	82231	glutamate-tRNA ligase, putative / glutamyl-tR	AT5G2671 19.1	tetrapyrrole synthesis
Cs8g0136(orange1.1t	63713	Symbols: ATERS, OVA3, ERS | ERS (GLUT	AT5G6405 19.1	tetrapyrrole synthesis
Cs4g1785(	50449	Symbols: GSA2 | GSA2 (glutamate-1-semialc	AT3G4873 19.3	tetrapyrrole synthesis
Cs2g0510(	32992	Symbols: ATHO1, HO1, TED4, GUN2, HY6	AT2G2667 19.21	tetrapyrrole synthesis
Cs7g1385(	46110	Symbols: CHLI2, CHL I2, CHLI-2 | CHLI2 (I	AT5G4593 19.1	tetrapyrrole synthesis
Cs1g0685(	40497	Symbols: HEMC | HEMC (HYDROXYMETI	AT5G0828 19.5	tetrapyrrole synthesis
Cs2g2491(orange1.1t	43181	Symbols: PORA | PORA; oxidoreductase/ pro	AT5G5419 19.14	tetrapyrrole synthesis
Cs1g1719(	55751	Symbols: HEMG2, MEE61, PPO2 | HEMG2; AT	5G1422 19.9	tetrapyrrole synthesis
Cs7g3008(	61326	Symbols: PPOX, HEMG1, PPO1 | PPOX; pro	AT4G0169 19.9	tetrapyrrole synthesis
Cs5g1244(	35892	Symbols: FLU | FLU (FLUORESCENT IN B	AT3G1411 19.4	tetrapyrrole synthesis
Cs3g2388(	42741	Symbols: HEME2 | HEME2; uroporphyrinog	AT2G4049 19.7	tetrapyrrole synthesis
Cs7g0443(	45199	Symbols: HEME1 | HEME1; uroporphyrinog	AT3G1493 19.7	tetrapyrrole synthesis
Cs6g1528(	32361	Symbols: HEMD | HEMD; uroporphyrinogen	AT2G2654 19.6	tetrapyrrole synthesis
Cs6g1530(	35377	FUNCTIONS IN: molecular_function unknow	AT2G0259 34	transport
Cs2g1373(	164377	Symbols: PDR6, ATPDR6 | PDR6; ATPase, c	AT2G3638 34.16	transport.ABC transp
Cs6g0868(	156725	Symbols: PDR6, ATPDR6 | PDR6; ATPase, c	AT2G3638 34.16	transport.ABC transp
Cs7g3142(orange1.1t	79535	ABC transporter family protein | chr2:154131	AT2G0132 34.16	transport.ABC transp
Cs1g1887(	33240	Symbols: CXIP2, ATGRX2 | CXIP2 (CAX-IT	AT2G3827 34.21	transport.calcium
Cs5g2487(	30434	Symbols: TMP-C, PIP1;4, PIP1E | PIP1;4 (PL	AT4G0043 34.19.1	transport.Major Intri
Cs5g0557(	26060	Symbols: GAMMA-TIP, TIP1;1, GAMMA-T	AT2G3683 34.19.2	transport.Major Intri
Cs2g3049(orange1.1t	34360	Symbols: SAMC1, SAMT1 | SAMC1 (S-ADI	AT4G3946 34.8	transport.metabolite 1
Cs1g1353(orange1.1t	53825	sugar transporter family protein | chr5:239038	AT5G5925 34.8	transport.metabolite 1
Cs7g0216(	44699	Symbols: CUE1, PPT, ARAPPT | CUE1 (CAI	AT5G3332 34.8	transport.metabolite 1
Cs9g1678(	43491	unknown protein | chr5:4044622-4047436 RE	AT5G1247 34.8	transport.metabolite 1
Cs8g1897(	67717	Symbols: NTT1, ATNTT1 | NTT1 (NUCLEC	AT1G8030 34.8	transport.metabolite 1
Cs3g2464(	27319	mitochondrial import inner membrane translo	AT5G2465 34.8	transport.metabolite 1
Cs2g3026(orange1.1t	21186	unknown protein | chr5:17235092-17236679 I	AT5G4296 34.8	transport.metabolite 1
Cs9g1751(	59910	Symbols: DiT1 | DiT1 (dicarboxylate transpo	AT5G1286 34.8	transport.metabolite 1
Cs3g2788(	38057	Symbols: OEP37, ATOEP37 | OEP37; ion ch	AT2G4395 34.8	transport.metabolite 1
Cs7g2760(	85244	Symbols: ATNAP8, NAP8 | ATNAP8; ATPa:	AT4G2545 34.8	transport.metabolite 1
Cs2g1112(	59967	sugar transporter family protein | chr5:239038	AT5G5925 34.8	transport.metabolite 1
Cs7g1538(	39835	unknown protein | chr5:4044622-4047436 RE	AT5G1247 34.8	transport.metabolite 1
Cs2g0553(	104992	LOCATED IN: mitochondrion, chloroplast th	AT5G2389 34.8	transport.metabolite 1
Cs6g1849(orange1.1t	19427	unknown protein | chr1:28661884-28663789 I	AT1G7640 34.8	transport.metabolite 1
orange1.1t	91556	mitochondrial substrate carrier family protein	AT2G3580 34.8	transport.metabolite 1
orange1.1t	43094	mitochondrial substrate carrier family protein	AT5G4213 34.8	transport.metabolite 1
orange1.1t	44876	Symbols: RCP1, MEX1 | RCP1 (ROOT CAP	AT5G1752 34.8	transport.metabolite 1
orange1.1t	45084	Symbols: APE2, TPT | APE2 (ACCLIMATIC	AT5G4611 34.8	transport.metabolite 1
orange1.1t	97981	Symbols: GLT1, PGLCT | PGLCT (PLASTII	AT5G1615 34.8	transport.metabolite 1
orange1.1t	42985	Symbols: GPT2 | GPT2; antiporter/ glucose-6	AT1G6180 34.8	transport.metabolite 1
orange1.1t	60294	Symbols: DCT, DIT2.1 | DIT2.1 (DICARBO	AT5G6429 34.8	transport.metabolite 1
orange1.1t	32662	mitochondrial phosphate transporter | chr5:45:	AT5G1404 34.9	transport.metabolite 1
orange1.1t	32054	dicarboxylate/tricarboxylate carrier (DTC) | cl	AT5G1976 34.9	transport.metabolite 1
orange1.1t	40986	Symbols: AAC3, ATAAC3 | AAC3 (ADP/AT	AT4G2839 34.9	transport.metabolite 1
orange1.1t	40916	high-affinity nickel-transport family protein |	AT2G1680 34.12	transport.metal
orange1.1t	64259	Symbols: HMA1, ATHMA1 | HMA1; ATPas:	AT4G3727 34.12	transport.metal

Cs3g22850	64547	SEC14 cytosolic factor family protein / phosph	AT4G0916	34.99	transport.misc
Cs6g08310	40053	binding / transporter | chr3:19243950-192469:	AT3G5187	34.99	transport.misc
Cs6g11650	12332	Symbols: VMA10, AVMA10 | VMA10 (VACUOLAR A'	AT3G0139	34.1	transport.p- and v-A]
Cs1g10270	68681	Symbols: VHA-A | VHA-A (VACUOLAR A'	AT1G7890	34.1	transport.p- and v-A]
Cs8g08330	92787	Symbols: VHA-A3 | VHA-A3 (VACUOLAR	AT4G3908	34.1	transport.p- and v-A]
Cs2g14330	42451	Symbols: DET3, ATVHA-C | DET3 (DE-ETI	AT1G1284	34.1	transport.p- and v-A]
Cs4g02110	29176	vacuolar ATP synthase subunit D (VATD) / \	AT3G5873	34.1.1	transport.p- and v-A]
Cs8g02310	54362	vacuolar ATP synthase subunit B, putative / \	AT4G3851	34.1.1	transport.p- and v-A]
Cs5g02680	26276	Symbols: TUF, emb2448, TUFF, VHA-E1 | T	AT4G1115	34.1.1	transport.p- and v-A]
Cs6g20820	40652	H ⁺ -transporting two-sector ATPase, putative	AT3G2871	34.1.1	transport.p- and v-A]
Cs5g30450	17505	vacuolar ATPase subunit F family protein | ch	AT4G0262	34.1.1	transport.p- and v-A]
Cs8g19810	57329	Symbols: PHT4;3 | transporter-related | chr3:1	AT3G4698	34.7	transport.phosphate
Cs1g21440	29253	Symbols: VDAC2, ATVDAC2 | VDAC2 (VC	AT5G6750	34.2	transport.porins
Cs6g20640	29305	Symbols: VDAC1, ATVDAC1 | VDAC1 (VC	AT3G0128	34.2	transport.porins
orange1.1t	130247	Symbols: KEA2, ATKEA2 | KEA2; potassiur	AT4G0063	34.15	transport.potassium
Cs7g24880	45112	anion-transporting ATPase family protein | ch	AT3G1035	34.18.1	transport.unspecified
Cs7g01840	41898	Symbols: AAC2 | AAC2 (ADP/ATP carrier 2	AT5G1349	34.14	transport.unspecified
Cs3g05350	46226	bile acid:sodium symporter family protein | ch	AT1G7856	34.14	transport.unspecified
Cs5g19690	30094				

Supplemental Table S5. Set of 1,016 plastid proteins that have been quantified during c

n. of identified pept

Experiment	Experiment	Coverage	PI	MG/113				Br/113				Ma/113			
3	3	7.68%	6.7	1.12	0.93	0.74	0.91	0.51	0.9	0.71	0.69	1.29	1.3	1.06	
8	4	18.29%	9.18	0.99	1.04	1.02	0.79	1.07	1.07	0.91	1.13	1.02	0.98	0.99	
8	4	16.17%	8.86	1.15	1.26	1.4	1.31	0.96	1.04	0.87	0.84	0.77	0.89	0.95	
54	16	34.77%	5.75	1.04	1.08	1.14	1.16	0.99	0.96	0.93	0.98	1.05	1.09	1.03	
15	4	17.14%	8.43	1.06	1.01	0.9	0.96	1.06	1.23	1.26	1.14	1.25	0.9	0.95	
20	8	31.16%	5.46	1.12	1.1	0.91	0.88	1.02	1.05	1.13	1.05	0.97	1.02	1.01	
87	14	39.74%	6.56	0.91	0.94	0.88	0.99	1.22	1.17	1.13	1.21	1.18	1.04	0.99	
131	15	44.54%	6.49	0.9	0.91	0.85	0.93	1.23	1.12	1.1	1.16	1.23	1.06	1.01	
11	6	27.63%	8.28	0.92	1.06	0.94	0.77	1.06	1.06	0.91	1.09	1.03	1.27	1.42	
3	3	6.79%	7.91	1.21	1.04	0.71	0.86	0.99	1.13	0.82	0.78	1.14	0.81	0.89	
4	3	8.24%	5.89	0.85	0.98	1.17	1.1	1	1.02	1.02	0.91	1.11	0.86	1.13	
13	8	16.27%	6.72	0.93	1	0.98	0.91	0.76	0.8	0.91	0.91	0.76	0.94	0.95	
45	13	36.36%	6.56	1.04	1.01	0.85	0.98	1.15	1.08	1	1.26	1.12	1.19	1.12	
4	4	10.24%	8.97	0.91	1	1.02	0.89	1.02	0.89	0.99	0.96	0.86	1.08	0.9	
47	12	24.85%	9.15	1.31	1.22	1.21	1.15	1.13	1.05	1.18	1.1	1.06	0.91	1.01	
15	6	10.61%	8.35	1.11	1.13	1.08	1.1	1.04	0.95	1.11	1.08	0.93	0.87	0.91	
43	13	28.85%	8.4	1.03	0.94	1.05	1.04	1.19	1.09	1.08	1.1	1.18	1.04	1.02	
39	13	32.73%	8.35	1.09	1.01	1.17	1.11	1.1	1.12	1.14	1.12	1.03	0.94	0.9	
21	11	22.18%	6.14	1	0.89	1	0.97	1.09	1.04	1.2	1.17	1.15	1.13	1.13	
22	7	25.15%	6.03	0.91	0.76	0.97	0.86	0.99	1.05	0.99	1.03	1.3	1.12	1.07	
22	10	31.65%	6.28	0.85	0.98	0.95	0.91	1.25	1.11	1.18	1.23	1.18	1.04	1.17	
41	12	33.17%	6.41	0.93	0.98	0.94	0.91	1.08	1	0.98	0.98	0.94	0.99	0.98	
10	7	18.96%	6.54	0.93	0.89	0.9	0.98	1.16	0.99	0.89	0.92	1.09	1.09	1.08	
5	4	12.03%	5.74	0.95	0.92	1.13	0.95	0.96	1.04	0.83	0.98	1.07	0.97	1.22	
10	7	13.20%	7.18	1.1	1	0.71	0.46	0.99	0.95	0.88	0.67	1.05	0.85	0.41	
5	4	12.68%	8.95	1.12	1.08	0.95	1.08	1.27	1.09	1.08	1.21	1.14	0.99	1.06	
106	17	44.36%	7.62	1	1.01	1.06	1.06	1.23	1.08	1.12	1.19	1.12	1.05	1.05	
10	3	12.59%	6.5	0.89	0.93	1.03	0.88	1.18	0.96	1.17	1.15	0.93	1.18	1.01	
48	15	33.48%	7.26	1.07	1.12	0.99	1.01	1.25	1.24	1.13	1.18	1.12	0.96	1.04	
34	13	28.25%	7.57	1.21	1.14	1.19	1.35	1.15	1.16	1.18	1.17	1.07	1.17	1.21	
57	9	23.61%	6.65	1.06	1.01	1.07	1.06	1.14	1.12	1.18	1.19	1.03	1.05	1.06	
12	4	12.00%	6.6	1.04	1.1	1	1.06	1.38	1.29	1.3	1.22	1.18	0.95	0.92	
20	10	25.94%	6.12	1	0.94	0.95	0.96	1.21	0.99	1.06	1.04	1.01	1.04	1.03	
65	14	34.05%	7.95	1.1	1.1	1.08	1.19	1.14	1.03	1.15	1.11	0.94	1.04	1.03	
27	16	20.57%	6.73	0.99	0.99	1.1	1.05	1.01	1.02	1.05	0.98	1.14	1.18	1.12	
23	14	17.93%	5.85	1.02	1.03	1.09	1.1	0.98	0.96	0.93	0.94	1.17	1.07	1.1	
31	17	23.37%	6.47	1.03	1.1	1.09	1.1	1.02	1.05	0.96	0.99	1.19	1.19	1.12	
20	6	12.07%	5.47	1.15	0.99	0.88	0.92	1.16	1.12	1.16	1.07	1	1.15	1.09	
10	8	13.73%	8.45	1.08	1.01	0.97	1.11	0.97	1.05	1.15	1.11	1.01	0.92	0.88	
42	12	34.48%	7.06	1.05	1.06	0.99	1.07	1.21	1.16	1.04	1.15	1.04	1.12	1.04	
97	33	37.00%	6.43	0.9	0.9	0.9	0.93	1.1	1.04	1.07	1.11	1.12	1.12	1.13	
11	8	22.51%	5.4	0.89	0.81	0.98	1.03	0.95	0.97	1.36	1.46	1.11	1.8	1.12	
9	4	14.71%	8.33	0.95	0.87	1.1	1.88	1.23	1.2	1.65	1.13	1.05	1.9	0.83	
13	4	8.43%	8.49	1.04	1.05	0.93	1.01	1.1	1.15	1.18	1.38	1.18	1.11	1.1	
48	13	13.63%	8.14	0.99	0.99	0.94	0.99	1.09	1.13	1.17	1.25	1.12	1.04	1.04	
20	10	16.01%	6.56	1.21	1.28	1.03	1.25	0.97	1	1.13	1.22	0.84	0.95	0.93	
23	10	22.70%	6.35	1.05	1.16	1.06	1.34	0.98	1.26	1.2	1.31	1.06	0.94	1.04	

5	5	12.31%	8.32	0.83	0.93	0.9	0.9	1.05	1.15	1.02	0.95	1.41	1	1.09
3	2	7.30%	6.75	1.34	1.2	1.08	1.16	1.28	1.28	1.43	1.39	0.89	1.11	1.47
34	9	24.53%	7.53	1.25	1.28	1.15	1.15	1.25	1.25	1.26	1.19	0.98	1.08	0.93
89	11	18.32%	5.84	1.13	1.07	1.13	1.22	1.14	1.11	1.11	0.99	1.04	1	0.99
92	13	20.72%	6.21	1.09	1.05	1.14	1.22	1.13	1.09	1.17	1.04	1.01	1	1.04
15	13	33.65%	8.06	1.17	1.02	0.99	0.95	0.97	1.07	1.11	1	0.94	0.97	1
23	4	20.72%	7.62	1.01	0.89	1.04	1.02	1.13	1.11	1.02	1.07	0.97	0.99	0.71
72	16	33.98%	6.68	1	1.02	0.98	0.99	1.1	1.1	1.09	1.03	1.01	0.95	0.91
55	18	37.04%	6.62	1.28	1.13	1.21	1.33	1.03	0.99	0.97	1.01	0.95	0.91	0.9
57	10	25.25%	5.91	1	1.05	0.89	1.03	1.14	1.09	1.01	1.06	0.99	1.02	0.95
10	8	16.10%	6.4	1.07	0.93	0.81	0.78	0.98	1.06	0.7	0.66	1.11	1.03	0.97
25	13	36.03%	8.5	1.13	1.09	1.15	1.16	0.82	0.89	0.88	0.82	1	0.91	0.91
22	10	23.33%	9.37	1.16	1.11	1.2	1.16	0.83	0.91	0.87	0.81	0.96	0.82	0.88
92	13	32.20%	8.06	0.92	0.86	0.87	0.84	1.17	1.06	1.02	1.02	1.06	0.99	0.99
143	21	23.74%	9.01	0.98	0.99	1.06	1.02	1.17	1.12	1.18	1.13	1.07	1.05	1.02
6	4	13.37%	8.1	0.76	1.01	0.55	0.74	1.38	1.18	0.88	1.1	1.2	1.05	1.27
20	9	21.65%	6.29	0.91	0.96	1.11	1.04	0.86	0.95	0.94	0.89	0.85	0.9	0.93
38	16	34.09%	8.26	1.14	1.08	1.13	1.11	1	1.03	0.96	1.02	1.02	0.93	0.93
29	9	25.06%	8.07	0.93	0.98	0.9	0.99	1.03	1.14	1.04	1.28	0.94	1.02	1.08
30	7	17.58%	7.97	0.96	0.93	1.04	0.96	1.15	1.06	1.04	1.05	1.09	1.07	1.01
30	13	28.76%	7.62	0.94	0.89	0.96	0.91	1.2	1.06	1.25	1.23	1.08	1.16	0.93
43	14	23.03%	6.06	1.03	1.03	1.03	1.12	1.3	1.23	1.12	1.19	1.05	1.1	1.07
89	17	35.83%	6.5	1.05	1.02	1	0.98	1.16	1.08	1.06	1.06	1.08	1.01	0.99
4	2	7.51%	6.66	0.93	0.94	0.97	0.86	1.17	1.18	1.16	1.04	1.02	0.98	1.07
36	8	22.63%	8.51	0.89	0.9	0.81	0.91	1.15	1.25	1.04	1.13	1.09	0.94	1.02
5	3	5.43%	6.05	0.62	0.81	0.36	0.52	0.64	0.71	0.94	0.39	0.97	0.59	0.25
24	8	21.29%	6.35	0.92	0.91	0.87	0.91	1.11	1.1	1.08	1.06	1.12	1.33	1.01
8	4	9.86%	6.48	1.24	1.21	1.14	1.09	1.06	1.22	1.25	1.12	0.94	0.88	0.98
11	6	19.83%	5.65	1.05	1.04	1.14	1.06	1.16	1.08	1.12	1.16	1.05	0.98	0.97
37	14	25.17%	6.42	0.98	0.98	0.87	0.88	1.03	1.12	0.99	1.01	1.01	1.09	1.12
2	2	5.40%	9.32	0.82	0.81	0.91	0.92	1.05	0.98	1.15	1.18	1.27	1.26	1.15
5	3	10.73%	6.39	1.04	0.96	1.25	1.06	1.13	1.07	1.12	1.03	1.22	1.34	1.07
10	3	10.04%	7.52	1.01	0.86	0.76	0.98	1.03	0.92	1.05	0.96	1.04	0.99	1.1
40	10	28.57%	8.29	1.09	1.05	1.04	1.01	1.2	1.12	1.08	1.1	0.9	1.07	1
30	11	21.98%	8.36	0.98	0.9	1.11	1.11	1.13	1.11	1.05	1.12	1.09	1.13	1.18
2	1	4.18%	9.02	1.72	1.19	1.53	1.2	0.93	0.89	1.14	0.94	0.6	0.82	0.76
42	5	11.40%	6.23	1.16	1.07	1.2	1.16	1.08	1.08	1.28	1.13	1.03	0.97	0.93
189	18	27.45%	6.75	1.09	1.07	1.16	1.17	1.17	1.11	1.19	1.11	1.05	0.98	0.96
121	18	48.26%	8.54	1.01	1.04	1.15	1.14	1.2	1.09	1.23	1.15	1.05	0.99	0.97
23	10	29.27%	8.33	1.03	1.1	1.14	1.14	0.86	0.95	0.87	0.96	0.94	0.89	0.84
4	2	3.72%	6.58	0.82	0.83	0.83	0.87	1.33	1.04	0.94	0.85	0.78	0.91	1.01
5	2	3.65%	8.16	0.93	1.13	0.93	0.92	1.01	0.97	0.95	0.99	1.1	0.63	0.82
11	7	23.00%	7.65	0.93	0.96	1.03	0.92	0.89	0.98	1.02	0.92	1.01	0.94	1.03
30	7	20.74%	8.79	0.95	1	0.88	0.99	0.93	1.28	1.03	1.15	1.09	1.08	1.03
12	2	24.24%	5	0.96	1.23	0.99	0.97	0.79	1.12	1.1	1.32	0.95	1.16	1.27
4	2	7.39%	8.33	1.05	0.86	1.14	1.06	1.31	1.09	1.07	1.17	1.13	1.21	1.01
4	3	5.21%	8.61	1.16	1.17	1.22	1.22	1.07	0.98	1.22	1.35	0.92	0.73	0.76
2	2	2.66%	8.62	1.5	1.22	0.91	0.83	0.94	1.01	1.03	0.85	0.92	1.09	0.96
2	2	2.50%	7.22	1.5	1.22	1.31	1.04	0.94	1.01	1.3	1.23	0.92	1.05	1.1
6	5	21.11%	9.33	1.07	1.1	1.1	1.01	0.71	0.83	0.88	0.92	0.81	0.78	0.85

3	3	4.44%	5.53	1.03	1.01	0.82	0.92	0.79	0.78	0.8	0.96	0.84	1.04	1.08
27	13	19.37%	5.22	0.89	0.93	1.02	0.98	0.89	0.88	0.93	1	0.89	0.98	0.98
28	13	18.81%	5.09	0.89	0.93	1.02	0.98	0.95	0.88	0.93	1	0.96	0.98	0.98
14	5	28.32%	6.84	1.19	1.14	1.04	0.96	1.23	1.08	1.15	1.09	0.97	1.08	0.98
13	5	12.28%	8.01	0.99	1.07	1.3	1.57	1.12	1.06	1.64	1.28	0.97	1.06	1.22
8	5	18.75%	6.23	1.19	1.28	1.08	1.03	1.28	1.02	1.12	1.18	1.03	1.06	0.96
10	8	12.02%	5.06	1.04	1.18	0.98	0.96	1.01	1.12	1.05	0.97	0.94	1	1.18
74	16	49.53%	5.55	0.92	0.89	0.96	1.09	0.84	0.84	0.87	0.88	0.95	0.93	0.93
18	8	27.44%	6.77	0.89	0.84	0.7	0.95	0.81	0.78	0.78	0.81	0.93	0.83	1.05
5	3	8.04%	5.65	0.89	0.96	0.97	1.02	0.9	0.9	0.95	0.95	1.05	1.09	0.99
36	9	27.51%	5.31	1.02	1	1.07	1.14	0.95	0.89	0.96	0.93	1.05	0.96	1.13
36	9	25.93%	5.31	1.03	1	1.05	1.11	0.97	0.89	0.95	0.95	1.05	1.04	1.1
10	9	21.60%	4.75	1.21	1.24	0.89	1.09	0.87	0.95	1.15	0.97	0.83	1	0.99
4	2	16.20%	6.6	1.2	0.5	1.03	1.14	0.42	1.07	1.16	1.1	0.36	1.06	1.14
13	11	27.87%	4.82	1.21	1.24	1.2	1.19	0.87	0.77	0.79	1.04	0.89	1.02	1.19
16	6	15.11%	4.99	1.28	1.36	1.22	1.15	0.89	0.97	0.93	1	0.84	0.97	0.99
42	12	36.24%	5.31	1.01	1	1.07	1.09	0.98	0.88	0.95	0.93	1.05	0.96	1.02
10	5	11.11%	4.97	0.99	1.55	1.15	1.17	0.73	1.2	1.1	1.01	0.75	0.97	1
39	23	14.44%	5.3	1.03	1.03	1.11	1.06	1.03	0.96	0.98	0.99	1.09	1.1	1.03
4	3	9.47%	5.2	1.04	1.36	1.13	1.1	1.17	1.04	1.02	0.98	0.34	1.05	0.99
7	3	14.93%	9.27	0.89	1.09	1.04	0.95	0.87	0.87	0.99	0.94	0.94	1.03	1.04
3	3	9.57%	5.44	1	0.99	1.82	1.41	0.98	1.07	1.12	1.04	1.05	1.22	1.3
5	3	3.28%	4.94	0.91	0.92	1	1	1	0.99	1.03	1.06	0.94	1.07	1.1
10	9	20.41%	5.64	1.03	0.98	1.14	1.11	0.91	0.99	1.1	1.16	1.08	1.39	1.27
64	16	38.03%	7.62	0.98	0.99	0.97	0.98	1.17	1.08	1.08	1.06	1.03	1	1.05
8	7	9.52%	7.98	1.15	1.02	1.08	1.09	1.22	1.09	1.08	1.14	0.94	1.01	0.92
18	10	18.12%	6.29	0.86	0.88	0.81	0.88	1.15	1.1	1.11	1.16	0.97	1.08	1.07
15	9	20.52%	5.57	0.95	1.04	0.86	1.03	1.12	1.25	1.07	1.24	1.21	1.05	1.16
7	4	7.43%	5.72	1.35	1.37	1.16	1.33	1.34	1.17	1.15	1.49	1.23	3.13	1.99
18	6	24.66%	8.76	1.31	1.45	1.03	0.98	2.38	2.09	1.12	1.32	1.3	0.99	0.9
23	12	27.05%	5.82	0.99	0.84	0.9	0.98	1.18	1.17	1.16	1.19	0.83	1.04	1.13
120	7	24.93%	5.4	1.06	1.12	1.11	1.18	1.41	1.33	1.45	1.31	0.86	0.93	0.85
3	3	7.96%	5.96	1.31	0.57	0.8	0.71	0.36	0.41	0.86	0.75	0.68	0.85	0.83
15	7	17.07%	6.6	1	0.97	0.92	0.91	1.12	1.06	0.97	0.98	1.05	0.88	0.96
13	7	17.05%	6.6	1	1.01	0.78	0.98	1.01	1.02	0.99	1	1.09	1	1.02
4	2	1.80%	5.55	1.19	1.2	1.09	1.31	1.35	0.84	0.89	0.67	1.13	0.75	0.88
24	12	24.08%	8.64	1.04	1.05	1.04	0.98	1.09	1.15	1.06	1.11	0.98	1.01	1.08
7	5	2.75%	5.32	0.95	0.91	0.83	0.76	1.1	1.08	0.95	0.99	1.14	0.97	0.83
4	2	27.37%	9.1	1.04	1.16	1.07	1.67	1.01	1.13	1.2	1.4	1.22	1.54	1.08
14	11	17.37%	6.46	1.17	0.96	1	0.98	1.06	0.96	1.14	1.12	0.92	1.02	1.04
15	5	11.04%	6.04	0.76	1.15	0.89	0.86	1.11	1.15	1.25	1.33	1.28	1.37	1.26
6	5	13.95%	5.09	1.11	1.06	1.28	1.3	1	0.96	1.27	1.19	0.92	1.04	1.01
17	3	15.64%	7.62	0.94	0.77	1.22	1.47	1.17	1.02	1.45	1.46	0.96	1.22	1.02
4	3	28.85%	11.5	1.95	2.12	1.25	1.32	0.59	0.55	0.65	0.58	0.84	0.71	0.75
11	3	20.00%	10.1	1.56	1.69	1.59	1.62	1.02	0.74	0.81	0.85	0.8	0.66	0.63
3	2	8.62%	6.83	1.13	1	1.47	1.49	0.9	0.78	1.29	1.13	0.77	1.36	1.03
4	4	8.96%	6.77	0.99	1.11	0.36	0.54	1.08	1.1	1	1.31	1.11	0.64	1.37
41	13	34.59%	6.57	1.03	1.07	1.09	1.08	0.99	0.96	0.9	0.95	1.04	1.1	1.05
15	5	12.34%	6.24	1.15	1.03	1.03	1.01	0.99	0.93	0.9	0.94	1.03	1.09	1.05
9	4	9.54%	5.7	1.15	1.13	1.09	1.09	1.03	0.98	1.22	1.06	0.99	1.04	1.05

3	3	8.27%	9.13	0.99	0.88	0.73	0.81	1.04	1.02	0.72	0.9	0.79	0.62	0.82
4	3	6.07%	8	0.79	0.89	0.93	1.06	0.78	1.02	0.73	1.16	0.66	1.33	1.14
32	9	17.46%	5.67	0.87	0.97	0.86	0.92	0.94	1.01	0.93	1.01	1.14	0.98	1.02
11	5	7.80%	6.08	0.88	0.95	0.89	0.76	0.91	1.06	0.94	0.87	1.08	1.11	0.95
12	6	12.65%	9.07	1.36	1.29	1.27	1.26	0.88	0.83	0.74	0.75	0.83	0.89	0.91
13	6	18.26%	8.11	1.08	1.12	1.17	1.13	0.65	0.66	0.72	0.7	0.93	0.84	0.9
11	6	19.44%	8.36	1.06	1.13	1.17	1.13	0.72	0.79	0.72	0.7	0.95	0.84	0.9
107	14	36.77%	7.55	0.89	0.84	0.89	0.9	0.88	0.85	0.92	0.89	1.01	1.06	1.04
124	24	63.23%	5.54	1	1.02	0.98	1.02	0.97	0.91	0.95	0.94	1.09	1.08	1.03
69	18	39.96%	5.6	0.94	0.97	0.9	0.9	1.14	1.15	1.12	1.12	1.1	1.08	1.09
95	27	42.58%	5.3	0.92	0.92	0.96	0.94	1.33	1.14	1.13	1.14	1.14	1.06	1
64	12	41.08%	7.02	0.89	0.91	0.9	0.98	0.89	0.87	0.92	0.94	1.05	1.18	1.07
72	12	29.59%	7.71	0.99	0.97	1.06	0.98	0.92	0.88	0.94	0.94	1.07	1.09	1.02
54	11	26.06%	8.82	1.04	0.97	1.12	1.06	1.02	0.99	0.96	0.98	0.98	0.98	0.95
9	7	7.87%	6.1	1.02	1.07	1.02	1.03	1.08	1.01	0.89	1.03	1.21	1.07	1.03
20	12	13.30%	6.12	1.09	1.14	1.12	1.02	0.88	0.98	0.95	0.95	0.96	1.13	0.92
4	3	20.39%	5.32	0.79	1.07	0.69	0.63	0.7	0.95	1.13	0.88	1.1	0.75	0.72
11	7	31.45%	5.34	1.06	0.86	1.27	0.96	0.77	0.65	0.93	1.01	0.95	1.28	1.17
111	16	28.46%	6.85	0.92	0.94	0.9	0.99	1.16	1.13	1.06	1.03	1.18	1.08	1.07
52	15	29.19%	6.39	0.88	0.86	0.89	0.88	1.1	1.16	1.13	1.13	1.16	1.15	1.17
57	15	41.04%	5.91	1	1.04	1.01	1.03	1.05	0.97	0.86	0.88	1.11	1.07	1.06
64	17	32.97%	5.66	0.97	0.97	1.02	0.96	0.94	0.91	0.85	0.98	1.07	1.12	1.13
38	14	26.33%	6.71	0.97	0.94	1.02	1.02	0.88	1	1	0.92	1.03	1.13	1.06
14	7	14.59%	7.23	1.1	1.16	1.05	1.08	0.87	1.02	0.85	0.89	1.4	1.22	0.81
4	2	10.00%	8.93	1.18	1.07	0.96	1.08	1.11	1.09	1.03	1.18	0.98	1	1.12
15	10	22.14%	6.98	1.11	1.02	1.08	1.01	1.24	1.21	1.27	1.2	1.03	0.92	0.92
6	5	6.45%	5.65	1.04	0.91	1	1.03	1.31	1.32	1.48	1.4	1.07	1.09	1.14
5	5	10.78%	6.3	0.94	1.21	0.99	0.96	1	1.14	0.67	0.8	1.05	0.81	0.87
27	9	46.19%	5.99	0.94	1.02	0.84	0.86	0.99	0.91	1.03	1.03	1.09	1.14	1.07
20	5	23.02%	5.73	0.96	0.98	0.99	1	1.03	1.18	1.04	1.03	1.22	1.06	1.02
3	2	7.25%	6.23	1.34	1.18	0.97	1.24	0.9	1.23	1.08	1	1.31	1.01	1.08
8	5	17.24%	5.84	1.04	1.16	0.99	1.14	0.94	0.94	0.92	1.01	1.05	1.03	1.08
3	2	8.79%	9.52	0.99	0.97	1.38	1.33	0.99	0.91	1.13	0.91	1.11	0.77	0.82
9	5	13.87%	5.5	0.93	0.94	0.8	0.81	1.01	1.2	0.81	0.76	1.64	1.15	1.11
11	6	19.48%	5.65	1.01	1.09	1	0.98	1.16	1.01	0.91	1.02	1.2	1.05	1.15
12	5	15.99%	6.08	1.1	1.16	1	1.11	1.07	1.14	0.93	1.02	1.27	1.07	1.15
3	2	0.29%	5.8	1.86	1.79	2.54	2.14	2	1.57	2	1.73	1.48	0.7	0.92
6	6	11.09%	8.67	0.82	0.94	0.84	0.87	0.64	0.72	0.63	0.69	0.8	0.79	0.81
4	4	38.10%	9.79	0.96	1	0.96	0.92	0.97	0.8	0.8	0.89	1.3	1.32	1.27
6	3	23.29%	5.86	0.95	0.94	0.93	1	1.14	1.13	1.14	1.02	1.15	1.06	1.07
10	5	16.58%	6.48	1.36	1.14	0.87	0.96	1.47	1.19	0.91	1.07	0.87	0.88	1.03
10	5	14.91%	7.7	0.94	1	0.84	0.96	1.17	1.18	1.07	1.28	1.14	1.08	1.27
6	5	9.76%	6.42	1.14	1.35	1.07	0.97	1.4	1.52	1.03	1	1.05	1.01	1.16
20	7	30.86%	9.3	1.03	1.03	1	1.09	1.15	1.08	1.01	1.27	0.97	1.04	0.93
68	8	39.29%	8.63	1	1.06	0.93	1.06	1.1	1.09	1.02	1.15	1.06	1.06	1.06
63	8	31.40%	9.1	1.08	1.01	0.9	0.93	1.22	1.13	1.18	1.13	1.05	0.74	0.72
42	15	31.89%	9.1	1.26	1.21	1.16	1.18	1.21	1.19	1.2	1.19	0.93	1.03	0.98
46	19	19.85%	7.02	0.88	0.89	0.89	0.88	1.16	1.12	1.13	1.09	1.11	1.09	1.06
62	24	26.53%	5.88	1.05	0.99	0.97	1.1	1.07	1.05	1.12	1.28	1.06	1.17	1.11
6	5	5.68%	6.03	0.78	1.32	1.76	2	0.78	0.89	0.76	1.04	0.56	0.76	0.72

98	28	32.22%	6	1.71	1.52	1.75	1.78	0.98	0.95	0.85	0.88	0.77	0.71	0.68
11	3	3.02%	5.88	1.03	1.05	0.85	1.01	0.98	1.06	1.05	1.01	0.86	0.94	0.96
3	2	7.41%	8.92	0.41	0.73	0.97	0.87	0.46	0.48	0.47	0.71	0.83	1.02	1.03
10	6	16.96%	9.4	0.98	0.95	0.81	0.95	0.88	1.07	1.06	1.05	0.93	1	1.06
20	8	36.61%	8.9	0.96	1.01	0.95	0.96	1.18	1.09	0.99	1.06	1.1	0.98	0.97
39	13	31.47%	5.79	0.98	0.94	1	1.06	0.99	1.01	1.03	1.05	0.93	1.05	0.98
6	4	14.34%	8.81	1.02	0.98	1.13	1.04	1.17	1.09	0.98	0.98	1	0.93	0.97
15	8	19.88%	4.93	1.18	0.99	1.03	1.15	1.11	1.02	1.17	1.24	0.97	1.01	1.02
35	16	23.00%	8.88	1.05	1.07	1.16	1.14	1.02	1	1.11	1.16	0.97	1.03	1.03
17	5	17.36%	6.14	1.14	1.11	1.07	1.03	1.07	0.97	1.11	1.05	1.01	0.98	0.88
74	15	32.34%	7.16	1.06	0.97	0.97	1.04	1.14	1.16	1.04	1.09	0.98	1.08	1.08
21	7	25.18%	8.61	1.1	0.99	1.26	1.21	1.15	0.97	1.2	1.2	0.86	1.07	1.03
42	11	36.36%	8.7	1.15	1.05	0.97	1.02	1.19	1.05	1.11	1.1	1.05	1.03	1.06
28	9	18.46%	7.71	1.07	0.95	0.95	0.99	1.19	1.08	1.02	0.94	0.99	0.91	0.93
122	17	42.39%	6.12	0.9	0.96	0.89	1	1.09	1.09	1.17	1.05	1.05	1.03	1.01
31	11	22.42%	8.34	1.3	1.13	1	1.04	1.37	1.11	1.02	1.01	1.07	0.89	0.92
23	9	19.73%	9.18	0.64	0.71	0.84	0.85	1.4	1.37	1.36	1.3	0.92	0.9	0.9
56	15	35.52%	6.05	1.02	0.96	0.98	1.03	1.09	1.15	1.15	1.02	1	0.97	0.93
27	6	21.30%	9.38	1.05	1	1.06	1.11	1.07	1.01	1.05	1.02	0.91	0.98	0.96
44	3	15.60%	5.01	0.91	1.16	0.9	1.01	1.13	1.25	1.01	1.08	1.14	1.23	1.28
7	4	13.69%	9.02	0.85	0.9	0.89	0.92	1.2	1.07	1.15	1.28	1.35	0.78	1.03
56	18	29.99%	6.16	0.89	0.86	0.9	0.88	1.04	1.01	1.07	1.04	1.07	1.12	1.1
7	4	7.18%	6.86	0.98	1.06	1.22	1.02	0.78	0.74	1	0.84	0.96	0.89	0.82
34	18	28.24%	8.8	0.98	1.02	1	0.96	1.08	1.16	0.98	0.81	1.06	1.11	1.1
30	8	33.77%	9.12	0.94	0.97	0.98	1.11	0.97	1.13	1.14	1.09	0.96	1.12	1.14
66	10	25.45%	8.75	0.97	0.93	1	0.97	1.18	1.06	1.16	1.11	1.02	1.08	1.04
20	4	8.10%	7.13	1.28	1.09	1.25	1.3	1.26	1.13	1.04	1.13	1.04	1.06	0.94
7	4	9.64%	8.74	1.69	1.63	1.38	1.35	1.44	1.46	1.25	1.2	1.03	0.84	0.82
9	7	10.85%	7.99	1.01	1.09	1.46	1.01	1.01	1.04	0.98	0.83	1.04	0.74	0.86
13	6	10.81%	6.5	0.96	0.85	0.98	1.02	0.97	1.01	0.83	0.96	0.89	0.95	1.19
15	5	12.25%	6.09	1.02	0.95	0.93	1.13	0.92	1.09	1.03	1.15	0.99	1.02	1.06
50	11	28.13%	9.06	0.95	0.99	0.95	1.01	1.07	1	1.06	1.23	1.03	1.05	1.03
9	4	10.74%	9.07	1.1	1.13	1.11	1.27	1.22	1.18	1.17	1.06	0.96	1.02	0.94
34	9	28.98%	7.71	1.06	1.01	1.25	1.01	1.29	1.14	1.27	1.19	1.05	1.04	0.96
2	2	2.41%	6.58	1.15	0.91	1.02	0.94	0.66	0.74	1.06	1.04	0.59	1.04	1.01
25	12	24.57%	6.59	0.91	1	1.02	1.06	1.19	1.16	1.15	1.16	1.02	1.16	1.01
25	12	23.84%	5.74	0.9	0.92	0.91	0.95	1.12	1.16	1.09	1.05	1.09	1.04	0.98
29	12	28.85%	6.44	0.88	0.95	0.92	0.9	1.09	1.09	1.11	1.1	1.05	1.02	1.08
25	11	22.95%	6.69	1.2	1.34	1.09	1.28	0.99	0.99	1	1.05	0.89	1	1.11
20	11	16.25%	8.55	0.98	0.95	1.09	0.98	1.33	1.31	1.25	1.2	1.11	0.94	0.99
10	7	14.13%	9.34	0.98	1.07	0.93	0.95	1.07	1.14	0.97	0.95	1.08	1.01	1.16
21	10	26.04%	8.21	1.06	1.28	0.93	1.03	1.13	1.11	1.09	1.08	0.94	1.03	0.96
13	7	20.95%	7.94	1.08	1	1.5	1.78	0.79	0.9	1.45	0.43	1.02	0.49	0.63
10	7	19.09%	8.67	1.28	1.61	1.29	1.31	0.93	0.93	0.57	0.71	0.82	1.05	0.99
24	12	29.55%	7.01	0.92	0.9	0.91	0.9	1.09	1.03	1.09	0.97	1.09	1.03	1.07
12	9	12.14%	9.17	1.1	1.3	1.25	1	0.72	0.91	0.74	0.71	0.82	0.69	0.89
6	3	10.79%	4.95	0.86	1.29	0.85	1.18	1.01	1.1	0.94	0.98	1.01	0.9	1.21
48	21	27.10%	5.08	0.98	0.94	0.92	0.96	1.15	1.17	1.06	1.14	1.09	1.06	1.04
3	3	19.46%	4.99	1.01	0.91	1.25	0.92	0.99	1	1.14	1.05	0.96	0.84	1.03
35	16	20.55%	5.56	1.09	1.12	1.03	1.1	0.92	0.91	0.9	1.12	1.08	1.08	1.13

15	7	24.49%	6.39	1.14	1.07	1.28	1.13	1.15	1.13	1.23	1.17	1	1.16	1.06
9	6	15.63%	5.67	0.88	0.89	0.89	0.87	1.15	0.95	1.14	0.97	0.71	0.89	0.78
6	5	13.87%	8.89	0.57	0.87	0.9	0.91	0.77	0.94	1.03	1.04	1.03	1.05	1.07
6	5	15.30%	7.66	1	1.12	0.82	0.93	1.07	1.16	1.13	1.07	1.14	1.11	1.11
26	12	20.61%	5.81	0.94	0.87	0.88	1.01	1.07	1.06	1.08	1.07	1.11	1.15	1.07
30	19	18.39%	6.1	1	1.01	0.99	0.9	1.11	1.02	1.04	0.96	1.18	1.08	1.07
109	32	23.04%	5.84	0.91	0.87	0.96	0.92	1.1	0.99	1.09	1.04	1.09	1.11	1.11
3	2	4.47%	5.34	1.05	0.66	1.24	0.93	1.13	0.81	0.96	1	1.15	0.91	0.93
12	8	19.49%	6.6	1.15	1.21	1.26	1.2	0.95	0.93	0.9	0.9	1.09	0.94	0.93
6	5	11.19%	5.29	0.96	1.12	0.96	0.98	1.1	1.4	1.12	1	1.31	0.97	0.91
16	6	21.80%	5.22	1.09	1.1	0.87	1.07	1.3	1.16	1.2	1.14	1.1	1.19	1.15
22	9	6.68%	5.74	1.02	1.09	1.03	1.21	1.05	1.08	1.24	1.18	1.1	1.19	1.14
19	11	16.65%	6.09	1.01	1.12	1.04	1.15	1.15	1.1	1.38	1.14	0.77	0.9	0.84
13	7	10.77%	9.5	0.6	0.62	0.68	0.59	0.96	0.94	1.07	1.03	1.08	1.17	1.24
32	11	35.48%	5.55	0.72	0.87	0.82	0.82	1.08	1	1.07	1	1.17	1.09	1.1
8	2	1.84%	8.96	0.96	1.19	1.03	1	1.06	1.22	1.13	1.1	0.75	1.15	1.12
98	19	21.33%	5.11	1.07	1.08	1.12	1.12	1.16	1.09	1.18	1.1	1.09	1.03	1
6	5	17.58%	4.98	0.82	0.86	1.14	1.06	1.03	0.98	1.04	0.88	1.34	1.03	1.12
16	9	27.23%	5.38	1.02	1.06	0.86	1.06	1.14	1.2	1.12	1.2	1.07	1.35	1.2
19	9	21.04%	6.3	1	1.06	0.94	0.84	1	1.05	0.85	0.78	0.98	0.89	0.85
7	7	15.09%	5.27	1.02	0.98	0.91	0.93	1.32	1.09	1.11	1.02	1.04	1	0.96
3	2	3.42%	6.74	1.2	1.1	1.13	1.16	1.05	1.14	0.94	1.07	1.1	1.08	1.05
36	18	22.17%	5.99	0.93	0.97	0.92	0.97	0.9	1.01	0.95	0.96	1.14	1.11	1.16
11	5	6.59%	6	0.82	0.98	0.96	1.07	0.83	1.07	1.02	1.15	0.84	1.01	1.16
5	3	8.75%	6.48	1.03	0.98	1.08	1.04	1.08	0.99	1.12	1.08	0.99	1.04	1
20	9	20.49%	8.16	0.98	0.73	1.91	0.88	0.92	1	1.02	1.2	0.93	1.01	1.11
9	6	13.35%	6.76	1.03	0.97	1.07	1.21	1.17	1.17	1.19	1.18	1.14	0.94	0.96
39	15	32.05%	7.61	1.05	1.04	0.98	0.97	1.23	1.15	1.2	1.14	1.04	0.94	0.97
2	2	2.21%	5.46	0.79	0.78	0.86	0.93	1.09	0.91	1.1	0.99	1	0.93	0.96
7	7	10.05%	5.74	0.87	0.91	0.9	0.98	1.2	1.16	1.07	1.24	1.09	1.04	1.09
12	10	12.13%	6.1	1.27	1.27	1.61	1.66	1.1	1.06	1.48	1.29	1.09	1.07	0.98
8	7	9.44%	5.83	1.23	0.71	0.99	1.17	0.9	1.05	1.19	1.04	0.88	0.92	0.89
29	16	22.33%	5.51	0.91	0.85	0.85	1.07	1.08	1.03	0.93	1.13	1.1	1.11	1.17
87	23	28.32%	5.43	1.05	0.99	0.99	1.06	1.15	1.05	1.02	1.12	1.12	1.1	1.11
11	8	22.06%	8.17	0.84	0.88	1.1	1.49	0.97	1.1	1.7	1.53	1.01	1.07	1.14
2	2	3.17%	5.61	1	1.19	1.28	1.2	1.21	1.06	1.36	1.28	1.33	1.09	1.14
6	6	9.18%	6.4	1.21	1.15	1.06	1.05	1.46	1.32	1.24	1.03	1.07	1.01	1.02
36	20	18.35%	7.11	1	1.11	1.07	1.07	1.03	1.03	1.02	1.06	1.05	1.16	1.09
14	8	13.25%	5.81	0.94	1.12	0.95	1	1.11	1.11	1.08	0.99	1	0.92	0.89
4	3	3.13%	6.02	0.32	0.34	0.92	0.8	0.4	0.32	0.83	0.98	0.4	1.08	0.96
3	2	6.75%	5.42	1.25	1.16	0.9	0.98	1.07	0.87	0.99	0.93	1.47	1.05	1.01
9	3	43.82%	6.23	0.88	0.85	0.9	0.92	0.86	0.87	0.87	0.75	1.26	1.25	1.33
14	3	17.49%	5.25	0.78	0.6	0.56	0.72	1.27	1.28	1.02	0.98	1.13	1.28	1.12
17	7	26.62%	5.41	1.2	1.23	0.86	0.95	1.43	1.39	1.17	1.05	0.94	1	1.02
70	14	63.76%	5.24	1.06	1.08	1.12	1.01	1.21	1.09	1.12	1.05	1.13	1.09	1.06
6	4	27.33%	9.41	0.83	0.94	0.91	0.91	0.98	1.12	1.08	1.04	0.92	1.06	1.11
2	2	1.07%	8.58	0.31	0.38	0.64	0.59	0.67	1.07	1.16	1.15	1.05	0.71	0.94
7	5	9.40%	5.91	1	0.97	0.97	0.84	0.81	0.94	1.1	0.91	0.69	1.08	0.96
10	4	13.64%	5.59	0.9	1	1.09	1.05	1.13	1.26	1.25	1.18	0.95	1.18	1.09
33	7	23.24%	6.51	1.08	0.99	0.87	1.06	1.19	1.14	1.16	1.15	1.09	1.04	1.2

2	2	5.84%	8.22	1.82	1.67	0.95	1.22	3.19	1.07	1.12	0.96	1.43	1	0.82
10	3	9.58%	8.14	0.99	0.95	1	1.05	1.05	1.1	1.13	1.11	0.99	1.18	1.03
12	4	12.73%	7.63	0.94	0.95	1.02	1.11	0.98	0.98	1.03	1.18	0.9	1.05	0.88
10	6	15.87%	8.29	1.17	1	0.94	0.91	1.12	1.03	1.08	1.12	1.09	0.99	1.05
5	3	9.71%	5.7	1.01	1.07	0.87	0.85	0.94	1.02	1.21	1.17	1.29	1.15	1.17
30	10	23.86%	8.18	1	1.04	0.84	1.02	1.06	1.2	1	1.16	1.1	1.15	1.15
19	12	23.23%	5.61	1.17	1.24	1.13	1.25	0.99	0.92	0.97	0.97	0.9	1.04	1.05
2	2	6.77%	6.32	0.81	0.7	0.72	0.92	0.98	0.92	0.95	1.05	0.85	1.03	1.03
18	12	21.09%	8.8	0.72	0.61	0.71	0.72	1	0.99	1.11	1	1.16	1.16	1.1
6	3	5.20%	6.59	0.81	0.81	0.81	0.79	1.08	1.11	0.96	0.95	1.2	1.22	1.17
10	8	12.25%	6.55	0.88	0.85	0.82	0.85	1.32	1.03	1.04	0.95	1.24	1.11	1.15
16	10	7.52%	7.08	0.78	0.85	0.9	0.89	1.15	1.25	1.31	1.14	1.18	1.14	1.27
4	4	10.30%	8.36	1.09	0.92	1.08	1.03	0.93	1.2	1.01	0.98	1.14	1.01	0.94
3	3	9.42%	5.92	1.16	0.99	1.03	0.95	1.12	0.99	1.03	0.93	1.11	1.1	1.06
3	2	9.45%	6.33	0.88	0.78	0.82	1.75	1	1.06	0.92	1.09	1.14	1	1.09
5	2	6.56%	8.56	0.99	1.02	1.21	1.26	1.33	1.22	1.32	1.31	1.14	1.08	1.09
12	7	14.72%	9.18	0.87	0.99	0.89	0.97	0.76	0.82	0.72	0.99	0.77	0.9	0.74
3	3	4.32%	5.84	1.09	0.96	0.93	0.83	1.03	1.08	1.24	1.11	0.98	1.14	1.09
33	11	27.47%	8.72	0.79	0.85	0.81	0.85	1.05	0.99	0.94	0.97	1.11	1.11	1.1
7	3	11.74%	9.63	1.09	1.03	1.16	0.97	1.13	1.02	1.14	1.01	1.09	0.99	0.96
14	8	21.40%	8.93	1.02	1.08	0.96	1.02	0.97	1.06	1.16	1.18	1.06	1.02	1.03
7	5	8.02%	8.29	0.93	0.83	0.81	0.7	0.97	0.98	1.26	1.13	0.87	1.19	0.95
20	14	16.38%	5.54	0.96	1.01	1.03	1.05	1.22	1.16	1.14	1.15	1.05	1.09	1.16
18	5	15.60%	8.63	0.75	0.67	0.71	0.63	1	0.9	1.01	0.96	1.16	1.15	1.02
41	8	26.16%	5.14	0.94	1.04	1.04	1.01	1.05	1.03	1.3	0.99	1.15	0.74	1.04
25	6	17.06%	4.6	0.93	0.93	1.17	1.12	1.26	1.22	1.18	1.25	1.17	1.23	1.15
4	2	6.17%	9.9	0.88	0.85	0.82	1	1.19	0.97	0.94	1.25	0.91	0.62	0.8
351	15	38.68%	6.08	0.97	0.97	1.06	1.07	1.18	1.14	1.09	1.1	1.08	1.06	1.02
3	2	4.10%	7.88	0.92	1.26	1	1.02	0.94	1.29	0.86	1.1	1.01	0.96	1.02
3	3	11.76%	8.7	0.94	0.91	1	0.97	0.96	0.99	0.96	1.12	0.84	1.06	0.96
3	2	2.84%	5.47	0.76	0.8	0.96	0.92	0.93	0.96	1.12	1.08	1.27	1.57	1.48
5	4	3.78%	5.84	1.36	1.93	0.76	1.44	1.11	0.87	1.08	0.34	1.14	0.76	0.89
5	4	6.81%	7.09	0.89	1.29	1.06	0.8	0.74	0.99	1.06	0.97	1.11	0.85	0.99
16	11	12.81%	5.91	0.77	0.77	1.02	0.72	1.05	1.09	1.11	0.96	1.07	1	0.98
3	2	8.19%	5.09	0.44	0.63	1.21	1.05	0.97	0.66	1.51	1.52	0.5	1.21	1.08
10	6	24.14%	5.86	0.93	0.81	0.95	0.91	0.84	0.86	0.89	0.84	1.29	1.04	1.02
10	3	12.44%	6.02	1.1	1.01	1	1	0.91	0.93	0.97	0.91	1.24	1.11	1.08
27	8	43.93%	6.17	1.1	1.04	1.16	1.19	0.94	0.86	1.16	0.86	1	0.93	0.95
12	7	21.49%	5.24	1.07	1.07	1.1	1.04	1.17	1.06	0.98	0.94	1.03	1.03	1.03
20	5	24.47%	5.26	0.86	0.94	1.01	1.03	0.82	0.84	1.2	1.04	1.11	1.05	1.15
19	7	22.27%	6.23	1.05	0.95	0.95	0.96	0.97	1	0.92	0.89	1.02	1	1.01
7	3	7.23%	8.39	1	0.8	0.95	0.81	1.17	1.15	1.01	1.04	1.42	1.18	1.19
15	6	21.66%	6.36	0.84	0.95	0.93	0.94	1.01	1.12	0.92	0.91	1.15	1	1.01
21	7	25.45%	7.56	0.84	0.94	0.93	0.92	1.03	1.11	0.94	0.94	1.14	1.1	1.03
21	7	35.48%	7.1	0.98	1.1	1.03	1.01	0.85	1.11	0.94	0.92	1.4	1.38	1.2
5	3	11.11%	5.15	0.92	0.82	0.78	0.84	0.95	0.96	0.77	0.78	1.12	0.68	0.93
3	2	8.62%	9.03	1.29	1.27	2	1.48	1.19	1.03	0.54	1.09	0.46	0.9	0.92
7	4	13.17%	5.77	0.81	0.91	0.49	1.52	1.17	1.06	1.32	0.95	0.97	1.13	1.05
7	5	5.72%	8.67	1.01	0.82	0.73	0.84	1.03	0.98	0.89	1.04	0.86	0.97	0.83
6	3	14.41%	8.6	1.2	1.23	0.85	0.9	1.45	1.04	0.94	1.21	1.11	1.05	1.31

15	4	12.86%	5.72	0.95	0.94	0.86	1.05	1.22	1.09	1.34	0.77	1.18	0.94	0.97
6	3	10.43%	9.26	1.06	1.08	1.11	0.99	1.28	1.16	1.18	1.13	1.35	1.18	1.17
52	13	36.64%	8.77	0.95	0.96	1.01	0.98	1.18	1.12	1.15	1.06	1.12	1.03	0.97
15	5	24.15%	8.8	0.98	0.89	0.8	0.89	1.3	1.24	1.07	1.27	1.24	1.19	1.1
11	5	16.31%	9.36	0.81	0.81	0.67	0.76	1.01	1.02	0.94	1.09	1.09	1.17	1.17
2	1	3.53%	8.14	0.99	1.34	1.08	1.16	0.52	0.73	0.63	0.62	0.76	0.78	0.82
4	3	10.33%	9.46	1.25	1.09	1.08	1.01	0.68	0.69	0.79	0.89	0.78	1.09	1.1
14	7	14.46%	8.65	1.15	1.16	1.28	1.14	1.18	1.09	1.23	1.11	1.06	0.92	0.99
17	10	32.90%	5.13	0.95	1.05	0.93	0.92	1.14	1.1	1.07	1.04	0.98	1.01	0.92
7	6	18.31%	5.03	1.34	0.97	1.14	1.11	0.99	0.83	1.14	1.11	1.04	0.82	0.95
10	5	9.57%	5.31	1.21	1.17	1.1	1.23	0.98	1	1.1	1.09	1.16	1.11	1.12
13	9	22.06%	5.84	1.07	1	1.12	1.22	0.94	0.83	0.94	1.13	0.98	1.3	1.22
6	3	14.51%	4.25	0.97	1.03	0.98	0.92	1	0.87	0.75	0.75	0.92	0.63	0.77
9	4	27.11%	5.46	1.08	0.94	1.03	1.04	1.22	0.9	0.95	0.95	1.38	0.92	0.95
4	3	22.76%	9.15	0.95	1.05	1.2	1.09	0.72	0.79	0.75	1.01	0.87	0.96	1.12
10	4	16.67%	8.94	0.99	1.05	1.46	1.29	1.07	1.03	1.65	1.35	0.85	1.12	1.07
16	4	14.11%	8.9	1.1	1.06	1.1	1.07	0.81	0.77	0.7	1	0.73	0.71	0.78
13	6	36.09%	5.14	1.03	1.07	1.18	1.08	0.97	0.89	0.91	0.91	1	0.89	0.84
18	9	34.45%	9.4	1	0.98	0.98	1.06	0.9	1.02	0.87	0.92	0.84	0.84	0.94
49	16	36.14%	6.06	1	1.04	0.95	0.95	0.89	0.98	0.75	0.8	0.97	0.84	0.82
5	5	19.93%	6.09	0.86	1.16	1.03	1.12	0.61	0.87	0.89	0.93	0.94	0.9	1.02
5	1	3.85%	8.76	1.14	1.05	1.27	1.02	1.17	1.09	1.27	0.92	1.09	0.88	0.99
2	2	13.61%	4.92	0.97	1.03	0.87	0.79	0.83	0.83	0.83	1.13	0.98	0.5	0.7
4	4	9.23%	9.26	0.99	1.03	1.09	1.05	0.87	0.8	0.92	1.12	0.85	0.9	0.87
14	8	12.53%	6.29	1	1.02	1.04	1	1.01	0.97	0.9	0.86	0.93	1.32	1.14
79	32	22.27%	6.15	1.07	1	0.99	0.97	1.09	1.06	1.09	1.05	1.01	1.02	0.99
29	16	9.20%	6.03	1.04	0.97	0.91	0.92	0.97	1.12	0.85	0.93	1.07	1.02	1.01
14	5	16.82%	6.33	0.93	0.97	0.81	0.92	0.82	1.06	0.86	0.81	1.13	1.21	1.16
3	2	5.71%	6.05	0.83	0.87	0.79	0.86	0.97	1.1	0.95	0.97	1.15	1.41	1.46
7	4	19.93%	6.2	0.8	0.92	0.93	0.97	0.61	0.82	0.8	0.77	0.9	0.94	0.99
112	8	22.34%	8.68	0.6	0.6	0.57	0.64	1.07	1.08	1.07	1.04	1.33	1.27	1.25
5	3	9.21%	9	0.97	0.86	0.93	0.81	1.08	0.95	0.9	0.95	1.14	1.16	1.11
136	8	16.08%	8.68	0.64	0.64	0.59	0.64	1.07	1.08	1.06	1.07	1.24	1.31	1.27
23	8	33.94%	5.03	0.92	0.94	0.92	0.87	0.75	0.77	0.63	0.57	0.96	0.69	0.74
13	6	24.48%	8.01	1.07	1.04	1.24	1.1	0.73	0.81	0.82	0.77	0.87	0.72	0.84
7	4	12.94%	6.8	1.3	1.28	1.27	1.34	0.8	0.86	0.93	0.75	0.92	0.89	0.77
2	2	15.94%	10.6	1.13	0.78	1.08	1.33	0.71	0.48	0.71	0.8	0.7	0.79	0.81
3	2	5.97%	8.82	1.07	1.15	1.09	1.02	1.14	1.08	1.28	0.87	1.44	1.08	0.92
7	4	9.17%	6.86	1.12	1.04	0.68	0.66	1.13	1	0.97	0.77	0.99	0.64	0.61
4	4	4.77%	8.99	1.18	0.83	0.69	0.82	1.2	1.41	0.84	1.04	1.1	1.01	1.09
2	2	5.28%	7.01	0.94	0.99	0.88	0.79	0.89	1	1	0.97	1.03	0.87	1.65
9	5	24.31%	8.7	0.79	0.84	0.49	0.6	1.26	1.15	0.83	0.8	1.39	0.85	0.96
3	2	5.70%	7.13	0.99	0.87	0.85	0.95	0.93	0.86	1.43	1.13	0.98	0.89	0.86
8	4	13.52%	9.27	0.97	1.04	1.31	1.19	1.21	1.11	1.02	1.08	1.03	0.97	0.88
73	9	25.45%	9.23	1.05	1.02	1.09	1.11	1.07	1	1.04	1.03	1.02	0.94	0.95
17	7	26.25%	5.8	1.13	1	0.75	0.78	1.08	1.02	1.02	0.68	1.35	0.69	0.81
19	8	25.21%	8.91	0.87	0.87	0.93	0.93	1.17	1.1	1.12	1.1	1.16	1.04	1.06
19	8	28.41%	6.47	0.9	1.14	1.13	1.17	1.08	1.25	1	0.96	1.08	0.99	0.96
28	7	28.48%	8.77	0.97	1.01	1.02	0.96	1.13	1.08	1.13	1.1	1.18	1.09	1.19
4	3	12.97%	5.74	1.03	0.96	0.8	0.72	0.75	1.08	1.03	1.16	1.06	1.8	1.11

20	7	40.98%	9.4	1.13	1.12	1.1	1.13	1.26	1.33	1.1	1.18	1.16	1.04	1.06
19	9	27.82%	5.67	0.91	1.02	0.94	1.01	1.04	1.02	1	1.08	1.13	1.06	1.19
6	2	27.78%	8.64	1.04	1.24	0.79	0.87	1.17	1.46	0.92	1.07	0.89	1.07	1.08
6	5	4.04%	4.79	1.35	1.18	1.05	0.97	1.19	0.97	0.96	1.04	1.34	1.05	1.01
16	7	9.49%	4.45	1.02	1.15	0.97	1.01	1.05	1.13	1.03	1.02	0.79	1.28	1.14
2	1	1.51%	5.77	1.01	1.31	0.26	0.46	1.24	1.25	1	0.89	1.02	0.89	1.01
35	10	31.40%	6.49	0.99	1.01	1.41	1.11	1.1	0.96	1.15	1.07	0.99	1.12	1.04
35	11	27.50%	8.03	1.03	1.01	1.41	1.2	1.09	1.05	1.23	1.28	1.07	1.19	1.11
5	2	14.76%	10.3	1.27	1.59	0.82	1.09	1.76	2.17	1.21	1.61	1.67	1.36	1.33
8	5	29.31%	6.98	0.89	1.1	0.74	0.93	1.1	1.21	1.2	1.28	1.12	1.72	1.34
3	2	18.10%	7.8	1.18	1.15	0.94	0.92	1.38	1.35	1.13	1.1	1.12	0.85	0.76
27	12	26.60%	5.99	1.11	1.12	1.24	1.11	1.22	1.2	1.09	1.13	1.09	1	0.98
14	9	9.85%	5.7	0.92	0.89	0.9	1.03	1.06	1.03	1.16	1.02	0.87	0.87	0.99
21	7	19.66%	8.51	1.05	1.07	1.03	1.04	1.16	1.18	1.31	1.4	1.03	0.94	1
51	15	25.90%	6.66	1.03	1.08	1	1.08	1.2	1.2	1.1	1.08	1.07	0.97	1
19	12	16.30%	5.62	0.97	1.09	1.04	1.26	1.18	1.19	1.18	1.29	1	1.04	1.02
8	5	23.94%	8.95	0.84	0.88	1	0.89	0.76	0.76	0.7	0.69	0.8	0.9	1.02
45	22	42.05%	5.13	0.76	0.78	0.7	0.67	1.14	0.98	0.98	1.09	1.22	1.28	1.25
2	2	6.73%	5.96	1.03	1.04	0.99	0.93	1.05	1.03	0.95	0.82	1.16	1.26	1.13
3	2	4.68%	8.33	0.62	0.81	0.6	0.94	1.04	0.93	0.89	1.15	1.31	1.57	1.8
10	4	22.49%	4.39	1.06	1.04	1.01	0.94	1.06	0.99	1.02	0.98	1.19	1.17	1.05
2	1	4.76%	7.06	0.9	0.76	1.09	0.81	0.96	1.44	0.83	1.2	0.92	0.67	0.79
4	2	9.83%	6.79	1.01	1.18	1.04	1.02	0.8	0.7	1.12	0.79	0.87	0.51	0.78
3	2	4.33%	5.72	0.97	0.76	1.02	1.02	0.54	0.56	1.09	1.02	0.67	1	1.05
3	2	6.28%	6.68	0.98	1.01	0.73	0.9	1.24	1.26	0.98	0.95	1.22	0.6	0.9
3	2	4.95%	4.69	0.74	0.89	0.95	0.89	0.78	0.77	0.82	0.83	0.68	1.05	0.99
3	2	16.13%	9.9	0.84	0.75	0.76	0.67	1	1.02	0.92	0.81	1.14	1.01	0.93
2	2	13.21%	7.01	0.67	0.49	1.32	1.52	0.66	0.74	1.06	1.15	0.71	0.66	0.83
14	8	19.43%	8.94	0.89	0.99	0.87	0.84	1.07	0.9	1.01	1.11	0.94	1.02	1.08
2	2	5.22%	8.59	0.86	0.92	0.81	0.92	1.19	1.13	0.84	0.81	1.18	1.01	1.06
24	5	19.74%	7.62	0.96	0.93	1.14	1.08	1.12	1	1.42	0.81	1.19	0.93	0.81
7	4	16.14%	8.44	1.21	1.28	0.89	1.05	1.41	1.27	1.08	1.16	0.89	1.15	1.22
6	5	14.25%	5.15	1.2	1.03	0.9	0.95	1.33	1.04	1	0.96	1.12	1.06	0.98
16	4	22.55%	9.39	0.91	0.97	1.07	1.07	1.04	1.05	1.06	1.09	1.12	0.94	0.94
6	4	10.88%	6.35	1.2	0.92	2.08	1.13	1.01	0.97	1.28	0.97	1.17	0.79	0.88
13	3	22.64%	9.62	0.93	0.98	0.93	1.23	1.1	0.88	1.17	0.94	0.91	1.07	0.98
24	14	22.36%	5.58	0.89	0.94	0.92	0.85	1.21	1.11	1.14	1.08	1.13	1.1	1.08
18	6	17.22%	8.8	0.94	0.98	0.98	0.99	0.88	1	0.87	0.9	0.99	0.93	0.98
2	2	7.22%	7.78	0.83	0.85	1.08	0.94	0.83	0.81	0.99	1.09	0.98	0.96	1.02
76	13	35.09%	9.22	0.95	0.89	0.97	0.93	1.01	0.98	1.05	1.02	1.03	1.02	1.04
11	4	15.41%	8.31	1.02	0.88	1.12	1.01	1.11	0.9	1.01	0.81	1.16	0.94	0.91
7	4	20.39%	9.27	1.15	1.03	1.03	1.02	1.24	1.05	1.06	1.07	1.13	1.02	0.95
5	3	26.06%	9.33	1.04	1.22	1.25	1.14	1.3	1.26	1.14	0.97	1.21	1.05	1.15
36	9	53.89%	7.8	0.92	0.88	0.91	0.9	1.42	1.2	1.07	1	1.26	1.18	0.97
3	3	16.87%	9.67	1.45	1.25	1.41	1.09	1.4	1.3	1.16	1.09	1.07	0.76	1.03
9	4	10.48%	8.25	0.95	1.03	1.15	1.13	1.08	1.02	1.19	1.24	0.98	1.06	0.97
12	4	17.67%	5.7	0.8	0.86	0.84	0.82	1.17	1.12	1.07	1	1.2	1.12	1.06
20	9	14.87%	6.62	0.99	1.11	1.08	1	1.21	1.13	1.32	1.36	1.22	1.05	1.09
6	3	8.16%	9.11	1.02	1.01	1.11	1.13	1.07	1	1.42	1.28	0.98	1.16	1.15
5	4	13.28%	5.73	0.66	0.9	0.89	1.22	1.07	1.1	1.27	1.2	0.96	1.11	1.04

7	3	26.56%	9.02	0.97	0.92	1.08	1.2	1.06	0.87	0.96	1.2	0.78	1.13	1.15
19	9	22.57%	8.41	1.2	1.19	1.44	1.29	1.19	1.06	1.13	1.1	1.04	0.98	1.13
9	5	15.06%	9.43	0.9	1.01	1.1	1.07	1.16	1.17	0.99	0.88	0.94	1.23	1.04
34	5	24.30%	7.07	0.93	0.99	0.96	1.01	0.94	1.13	1.18	1.01	1.1	1.03	1.04
3	2	5.22%	7	1.06	1.02	0.92	0.85	1.12	0.99	1.03	0.95	0.96	1	0.98
10	3	27.48%	9.5	0.96	0.86	0.75	0.94	1.26	1.26	1.14	1.53	1.16	1.15	1.37
7	5	9.73%	6.81	1.11	1.09	1.02	1.06	1	1.37	1.01	1.22	1.23	1.02	1.02
6	4	11.13%	9.84	1.06	1.05	1.14	1.1	1.11	1	1.16	1.2	1.08	0.9	0.93
8	3	7.57%	9.93	1.04	1.11	1	1.01	1.01	0.92	1.14	1.12	1.17	1.19	1.16
10	6	23.55%	7.84	1.05	0.89	1.16	0.94	1.17	1	1.44	1.04	0.99	0.97	1.17
18	9	24.40%	8.75	1.03	0.9	0.9	0.96	1.24	1.12	1.12	1.1	1.23	1.13	1.06
5	3	13.39%	9.55	1.31	0.99	0.97	1.13	1.34	1.25	1.05	1.12	1.11	1.12	1.26
6	3	9.66%	8.96	0.89	1.11	0.8	1.01	1.03	1.14	0.8	1.09	0.99	1.04	1.1
27	9	22.22%	8.46	0.85	0.86	0.95	0.86	1.03	0.96	1.07	1.04	1.19	1.08	1.01
3	2	6.61%	7.59	0.88	0.9	0.91	1.23	0.92	1	1.43	1.47	0.97	1.24	1.32
6	2	13.74%	4.99	1.13	0.94	0.76	0.79	1.39	1.26	1	1.29	1.25	1.32	1.38
14	6	17.45%	5.5	0.81	0.85	0.84	1.02	0.96	1.03	1.14	1.31	1.1	1.52	1.24
6	4	17.97%	9.43	1	1.03	1.18	1.09	1.23	1.4	1.21	1.03	1.05	1.97	1.66
3	3	6.50%	4.95	1.19	1.15	1.02	1.68	2.22	2.14	0.69	1.77	1.03	2.54	1.04
8	7	12.99%	8.86	1.18	1.39	1.29	1.19	1.49	1.35	1.21	1.34	0.68	0.88	0.95
31	14	26.30%	5.45	1.1	1.18	1.2	1.17	1.07	1.18	1.16	1.16	1.08	0.96	0.93
27	8	37.21%	7.01	1.06	0.97	1	1.14	1.15	1.08	1.07	1.16	0.98	1.02	1.07
32	10	24.70%	6.01	1.04	1.01	1.11	1.18	1.24	1.18	1.11	1.15	1.06	0.93	1
18	6	28.17%	6.71	0.93	0.92	0.91	0.94	1.15	1.16	1.17	1.22	1.04	1.06	1.1
63	15	39.48%	6.29	0.73	0.84	0.76	0.85	1.11	1.18	1.09	1.05	1.16	1.13	1.11
6	2	3.05%	5.67	0.94	0.98	1.07	0.98	1.2	1.05	1.23	1.21	1.07	1.14	1.04
6	6	15.98%	6.62	1.17	1.18	1.17	1.19	1.33	1.21	1.12	1.15	1.02	1.06	1
4	4	9.58%	7.95	1.25	0.95	0.95	0.86	1.18	1.13	0.93	0.99	0.95	1.13	0.83
15	7	24.67%	8.32	0.88	0.96	0.98	0.98	1.05	1.15	1.14	1.14	1.27	1.1	1.04
22	11	15.28%	5.24	0.93	0.87	0.96	0.86	0.82	0.78	0.81	0.75	0.84	0.9	0.93
25	11	16.62%	5.86	0.95	0.89	0.96	0.86	0.81	0.77	0.81	0.78	0.82	0.89	0.89
31	6	20.89%	6.16	1.11	1.04	1.21	1.11	1.2	1.11	1.12	1.12	0.99	0.94	0.89
3	3	12.61%	9.36	1.13	1.11	0.95	0.95	0.94	0.97	0.8	0.97	1.04	0.91	1.07
6	2	20.54%	5.06	0.97	1.12	1.07	0.99	1.02	0.97	0.99	1.13	1	0.98	1.17
31	7	27.16%	9.35	1.03	1.04	0.99	1.11	1.12	1.15	1.18	1.03	0.96	0.84	0.85
8	4	12.87%	5.26	1.26	1.13	0.84	0.94	0.92	0.9	0.88	0.88	0.96	1.12	0.93
3	3	11.46%	8.79	0.82	0.82	0.58	0.63	1.09	1.04	0.87	0.81	1.13	1.03	1.24
10	4	16.00%	8.74	0.99	1.18	1.23	1.15	1.08	1.18	1.25	1.24	1.07	1.01	1.02
18	7	23.81%	8.58	1.08	0.84	0.81	0.76	1.01	1.1	1.27	1.18	1.09	0.97	1.51
18	7	23.31%	8.51	0.95	1.05	1.01	0.95	1.1	1.32	1.09	1.2	0.97	0.76	1.11
6	4	18.09%	5.66	0.91	0.81	1.11	1.09	0.8	0.97	1.04	0.92	0.82	1.03	1.1
8	4	14.33%	6.83	1.14	1.05	0.84	0.78	1.28	1.07	1.14	1.09	0.95	0.76	0.86
25	10	20.20%	6.4	1.21	1.04	1.12	1.27	1.09	0.97	1.11	1.14	0.87	1.08	1.04
55	13	22.30%	6.16	0.99	1.02	1	1.01	1.14	1.08	1.22	1.23	1.01	1	1.04
46	15	28.16%	7.67	1.03	0.95	0.89	1.04	1.14	1.22	1.07	1.17	1.09	1.08	1.08
18	5	14.29%	5.09	1.09	0.99	1.1	1.21	1.23	1.18	1.2	1.3	1.16	1.12	1.14
13	2	9.20%	9.07	1.04	0.96	1.15	1.39	1.05	1.01	1.2	1.29	0.83	0.98	1.09
6	4	13.55%	5.62	1.19	1.17	1.09	0.97	1.22	1.22	1.15	1.13	1.01	0.94	0.91
78	34	27.42%	5.38	1.04	1.04	1.02	1.07	1.17	1.13	1.11	1.06	1	0.96	0.95
18	7	14.78%	6.75	0.95	0.92	0.99	1.06	1.11	1.06	1.12	1.23	0.98	1.08	1.11

21	6	24.75%	7.12	1.01	0.97	1.29	1.13	1.29	1.05	1.19	1.35	1.17	1.1	0.99
31	12	24.13%	6.89	0.88	0.9	0.93	0.93	1.17	1.18	1.28	1.19	1.16	1.14	1.08
39	11	30.70%	6.24	0.96	1	0.94	0.92	1.24	1.18	1.09	0.93	1.03	1.05	0.99
24	9	22.22%	7.61	0.88	0.9	0.95	1.07	1.02	1	1.29	1.24	0.97	1.13	1.2
12	7	19.95%	6.71	0.89	0.9	1.2	1.09	1.37	1.22	1.07	1.04	0.93	0.99	1.02
49	23	19.23%	5.37	1.07	1.12	1.08	1.11	1.17	1.14	1.09	1.1	1	1.01	1.03
10	6	23.55%	7.63	0.99	1.21	0.87	0.94	1.24	1.33	1.11	1.44	1.09	1.09	1.22
12	1	6.62%	4.74	0.99	0.59	0.65	0.71	1.46	0.67	1.02	1.06	1.69	1	1.01
28	2	13.42%	4.82	0.74	0.75	0.97	0.99	0.95	0.9	1.05	1.05	0.86	0.92	0.99
70	14	35.54%	9.07	1.06	0.97	1.07	1.01	1.2	1.18	1.17	1.14	1.1	1.08	1.11
44	12	27.32%	5.68	0.92	0.94	0.95	0.92	1.03	1.02	1.08	1.02	1.03	1.16	1.14
146	13	37.41%	6.18	0.89	0.91	0.98	0.94	1.19	1.11	1.1	1.1	1.06	1.03	1.05
33	13	24.59%	6.03	0.94	1.01	1.06	1.07	0.96	0.94	1.03	0.92	1.07	1.05	1.07
26	10	18.97%	6.38	0.94	1.01	1.07	1.08	1	0.97	1.16	0.93	1.04	1.11	1.04
68	20	38.38%	6.62	0.98	1.07	1.07	1.04	1.1	1.15	1.17	1.13	1.05	0.98	1.02
44	7	24.92%	6.24	1.06	1.02	1.33	1.12	1.24	1.01	1.29	1.14	1.07	1.16	1.05
9	5	11.22%	6.42	0.98	0.9	0.79	1.06	0.94	1.07	1	1.05	0.89	1.12	1.12
15	6	9.20%	8.27	0.83	0.86	0.85	0.98	0.98	1.09	1.04	1.02	0.99	1.13	1.11
43	17	29.39%	7.68	0.89	0.93	0.91	0.96	1.12	1.07	0.97	1.06	1.07	1.08	1.07
21	9	15.72%	6.45	1.07	0.95	1	1.09	1.19	1.05	1.03	1.17	1.02	1.04	0.93
9	6	9.65%	5.82	1.01	0.96	0.97	0.93	1.14	0.99	1.08	0.96	1.01	0.88	0.72
4	2	12.87%	5.93	1.11	1.13	1.01	0.98	1.12	1.16	0.94	1.02	1.22	1.09	1.13
14	12	4.91%	9.01	1.07	1.11	1.05	1.01	1.08	1.13	0.99	1.06	0.96	1.13	1.07
36	8	41.83%	9.28	0.93	0.97	0.93	0.93	1.17	1.18	0.99	1.09	1.15	1.03	1.24
36	22	11.80%	9.83	1.12	1.1	1.13	1.17	1.14	1.08	1	1.08	1.09	1.07	1.06
5	2	12.02%	8.36	1.05	0.86	1.02	1.14	1.14	0.92	1.03	1.14	1.05	1.04	0.96
8	5	37.05%	5.49	0.74	0.96	0.83	0.74	1.15	1.03	1.01	1.18	0.98	1.33	1.23
8	3	8.78%	7.12	1.18	1	0.92	1.15	1.05	1.1	0.92	1.22	1.04	1.16	1.37
13	9	17.97%	5.83	0.89	1.04	1.13	0.86	0.96	0.95	1.01	1.03	0.91	0.97	0.96
12	11	16.03%	6.51	1	0.96	1.05	0.98	1.05	0.96	0.9	0.82	1.11	1.01	0.97
18	12	14.46%	6.37	0.99	0.98	0.99	1.06	1.22	1.09	0.97	1.17	1.11	1.1	1.15
5	4	15.41%	9.19	1.23	1.18	1.04	1	1.12	1.38	0.97	1.01	1.19	0.96	0.92
2	1	5.56%	5.16	1.1	1.11	1.27	1.22	1.16	0.98	1.33	1.29	1	1.17	1.18
2	2	3.24%	5.98	0.94	0.43	0.9	1.08	0.98	1.27	1.04	1.04	1.15	1	0.99
3	2	4.63%	5.98	0.86	1.09	0.8	0.86	0.93	0.88	0.94	1.18	0.98	0.95	0.95
20	9	23.78%	6.09	1.11	1	1.09	1	1.15	1.14	1.15	1.08	0.93	1.1	1.17
9	5	11.61%	6.78	1.09	1.34	1.11	1.2	1.29	1.33	1	0.96	0.94	0.96	0.97
6	4	9.07%	6.13	0.67	0.73	0.66	0.86	0.94	0.82	1.22	1.29	0.81	1.17	1.01
11	8	9.01%	5.38	0.87	0.86	1	0.87	0.68	0.76	0.84	0.83	1.03	0.89	1.07
3	2	10.88%	5.39	0.53	0.68	0.77	0.69	0.27	0.4	0.58	0.59	0.47	0.65	0.64
3	2	7.17%	5.33	0.53	0.68	0.77	0.69	0.27	0.4	0.58	0.59	0.47	0.65	0.64
19	11	22.60%	6.26	1.06	0.96	0.99	0.99	0.89	0.84	0.83	0.77	0.86	0.74	0.81
12	7	12.33%	6.24	0.9	1.03	0.88	0.8	0.7	0.83	0.87	0.63	0.91	0.78	0.79
4	3	8.64%	9.46	0.89	1.14	0.93	0.93	0.96	1.12	0.88	0.81	1.01	0.92	0.88
9	7	20.51%	5.7	0.89	0.86	0.85	0.76	0.88	0.95	0.87	0.87	0.99	0.88	0.91
32	10	21.24%	8.3	0.86	0.89	0.72	0.79	1.11	1.15	1.01	0.98	1.16	1.03	0.96
8	7	20.33%	5.01	1.05	1.06	0.9	0.86	1.01	1.02	0.86	0.81	1.2	0.91	0.87
15	9	12.12%	5.57	0.85	0.93	1.04	1.01	1.08	1.08	1.04	1.22	1.02	1.14	1.14
25	13	21.15%	5.95	1.11	1.05	1.18	1.09	1	0.99	0.9	0.94	1.1	0.95	0.97
6	5	5.64%	9.01	0.99	0.92	0.99	0.85	1.14	1.03	1.02	1.17	1.19	1.16	1.05

47	17	34.08%	6.99	0.96	0.97	1.03	0.99	1.13	1.12	1.11	1.14	1.13	1.13	1.07
22	9	12.10%	6.69	1.02	1	1.07	0.98	1.16	1.27	1.25	1.14	1.1	1.04	1.16
8	5	4.99%	7.53	0.89	0.84	0.76	0.94	1.15	1.17	1.18	1.1	1.01	1.16	1.24
3	2	5.88%	9.14	1.13	1.07	1.03	1.29	1.37	1.23	1.01	1.18	1.12	1.14	1.04
2	1	2.18%	7.08	1.07	1.26	0.87	0.74	1.64	1.93	0.94	1.38	1.01	1.33	1.2
18	8	41.95%	5.94	0.99	0.93	0.72	0.82	0.94	0.89	0.7	0.76	1.12	0.97	1.06
11	4	45.54%	8.01	0.88	0.77	0.84	0.83	0.78	0.8	0.84	0.71	1.11	1.18	1.15
6	4	24.88%	5.7	1.12	1.04	1	1.02	1.1	1.09	0.93	0.87	1.28	1.12	1.13
20	10	10.42%	6.1	0.96	0.96	0.88	0.93	1.05	0.96	1.02	1.03	1.19	1.13	1.07
26	9	29.36%	8.79	0.8	0.86	0.8	0.78	1.08	1.06	1.06	1.02	1.13	1.15	1.14
8	6	7.56%	8.57	0.99	1.02	0.28	0.61	1.42	1.1	0.65	0.97	0.93	0.54	0.54
4	3	9.26%	8.69	0.99	0.99	0.95	1	1.01	1.03	1.08	1	0.92	1.01	1.02
7	6	6.10%	6.16	1.13	1.08	1.11	0.97	1.25	1.42	1.36	1.03	1.15	0.99	1.09
2	2	5.24%	5.96	0.82	0.97	0.73	0.91	1	1.17	0.78	0.9	1.49	1.05	1.24
10	7	7.59%	6.12	1	1.05	1.06	0.92	1.13	1.16	1.4	1.26	1.16	1	0.98
32	13	19.34%	6.17	0.91	1.01	1.07	0.98	1.03	1.04	1.07	0.99	1.18	0.99	1
60	23	36.82%	4.95	0.84	0.83	0.91	0.82	1.12	0.98	1.13	1.11	1.17	1.19	1.18
4	3	2.08%	7.21	0.99	0.96	1.06	1.11	1.24	1.08	1.13	1.05	1.28	1.05	1.1
40	10	14.55%	5.97	1.05	1.04	1.12	1.05	1.17	1.18	1.04	1.07	1.03	1.09	1.01
77	19	24.26%	6.12	1.04	0.96	0.95	0.97	1.11	1.11	1.11	1.11	1.07	1.09	1.09
8	4	16.85%	6.83	0.78	0.92	0.87	0.86	0.92	0.99	1.04	1.1	1.09	1.22	1.19
9	4	13.73%	9.1	0.88	0.92	0.64	0.75	1.05	1.1	0.91	0.88	1.12	0.86	0.94
16	4	16.22%	8.51	1.04	1.16	0.99	0.97	1.39	1.26	1.12	1.23	1.11	0.98	1.09
12	6	17.88%	8.75	0.94	0.91	0.79	0.83	1.35	1.27	1.06	1.13	1.11	0.93	1.11
31	8	25.50%	5.62	1.01	1.04	0.91	0.89	1.53	1.13	1.15	1.05	1.14	1.08	1.02
14	5	16.78%	8.08	0.96	0.96	0.85	0.82	1.1	1.14	1.06	1.07	1.14	1.15	1.03
15	5	14.91%	5.26	0.92	0.91	0.89	0.96	1.08	0.97	0.99	0.91	1.13	1.02	1.14
28	8	35.47%	9.66	0.84	0.96	0.88	0.86	1.19	1.22	1.15	1.13	1.22	1.16	1.07
21	7	34.17%	9.25	0.84	0.8	0.77	0.92	1.18	1.17	0.96	1.08	1.06	1.22	1.12
13	4	20.81%	5.34	1.39	0.81	0.81	0.86	1.28	1.44	0.97	1.08	1.16	0.97	1.07
9	3	17.88%	6.13	0.67	1.04	0.78	0.9	1.04	1.26	1.16	1.01	1.05	1.23	1.03
8	4	14.29%	9.3	1.08	1.06	1	0.9	1.24	1.51	1.16	1.33	1.22	1.16	1.09
72	27	30.95%	6.2	1.09	1.06	1.08	1.08	1.13	1.03	1.06	1.09	1.02	0.99	0.93
2	2	14.88%	6.73	1.31	0.9	0.92	1.09	1.16	1.04	0.92	0.81	1.2	1.1	1
4	1	9.17%	7.81	1.22	1.55	1.18	1.23	1.41	1.64	1.31	1.27	1.56	1.38	1.31
4	3	6.62%	5.79	1.05	0.98	0.94	0.85	0.76	0.93	0.97	1.06	0.87	0.89	1.13
3	3	12.40%	8.92	1.29	1.2	1.23	0.95	1.04	1.14	0.96	0.95	1.37	1.16	1.08
9	4	18.73%	6.74	1.02	0.97	1.26	1.06	0.89	0.99	1	0.93	0.93	1.14	1.09
4	2	5.93%	4.91	1.21	0.98	1.25	1.15	1.02	1.01	1.03	0.93	1.04	1.04	0.94
9	6	5.58%	5.18	1.09	1.07	1.19	1.17	0.95	1.11	1.16	1.12	1.04	1.14	1.19
4	3	14.18%	4.87	1.03	1.28	1.07	1.02	1.09	1.22	1.01	1.18	1.21	1.11	1.09
72	13	23.55%	5.17	0.86	1.01	0.98	0.93	0.89	0.92	0.89	0.92	1.06	0.97	1.06
80	15	27.27%	5.1	0.9	1	0.99	0.95	0.95	0.92	0.95	0.92	1.06	0.96	1.06
96	20	33.23%	5.39	0.96	1.02	1	1	0.94	0.94	0.94	1.03	1.06	1.04	1.03
40	7	18.54%	5.78	0.9	1.02	0.98	0.98	0.86	0.92	0.9	0.91	0.99	0.95	0.99
6	3	1.77%	8.96	1.13	1.04	1.08	1.06	0.88	0.79	0.87	0.92	0.8	0.9	0.89
31	13	22.04%	5.22	1	1.09	1.07	1	0.98	0.94	0.93	0.83	0.78	0.87	0.88
32	13	22.12%	5.03	1.09	1.13	1.07	1.02	0.97	0.88	1.06	0.83	0.78	0.91	0.85
35	19	23.21%	4.86	1.24	1.25	1.31	1.32	0.96	0.87	0.9	0.85	0.8	0.8	0.86
26	13	24.51%	5.28	1.12	1.1	1.08	1.03	0.93	0.9	0.9	0.93	0.92	0.87	0.94

20	6	21.15%	9.26	1.03	1.05	1	1	0.93	0.94	0.98	0.92	0.89	0.95	0.94
77	21	41.28%	5.85	1.09	1.15	0.89	1	0.98	0.98	1.07	1.04	0.91	1.11	1.08
71	13	23.92%	5.17	0.9	1.01	0.98	0.93	0.9	0.98	0.99	0.92	1.04	0.96	1.05
3	2	16.81%	4.97	1.11	1.16	0.6	0.43	1.05	0.82	0.57	0.89	1.31	0.69	0.56
21	14	29.57%	5.23	1.05	1.02	0.96	1.02	1.14	1.03	1.12	1.19	1.02	1.02	1.02
35	9	16.98%	8.68	0.95	1.06	0.89	0.92	1.02	1.09	0.85	0.94	1.04	0.95	1.06
4	3	5.76%	8.42	1.08	1.01	1.27	1.37	1.03	0.89	0.93	1.24	0.96	1.01	1.17
105	19	35.23%	5.18	0.95	1.03	0.98	0.95	1.04	1.04	1	0.93	1.06	0.96	1.06
4	4	7.54%	7.13	1.27	1.07	1.08	1.03	0.98	1.01	0.94	0.93	1.21	0.99	1.01
125	21	29.82%	5.26	0.84	0.91	0.89	0.92	1.09	1.05	1.05	1.08	1.13	1.03	1.08
41	9	37.69%	8.8	0.91	0.91	0.92	0.95	1.05	1.22	1.07	1	1.02	1.06	1.02
14	5	19.43%	8.88	0.93	0.98	0.94	0.95	0.93	0.98	1.04	0.99	0.95	0.97	0.97
3	2	4.48%	7.11	1.25	1	1.1	1.06	1.04	1.01	1	1.04	0.91	1.11	1.01
211	27	43.84%	5.85	0.8	0.79	0.89	0.85	1.13	1.04	1.07	1.03	1.2	1.16	1.09
279	30	39.72%	5.36	0.9	0.93	0.96	0.97	1.1	1.06	1.05	1.1	1.1	1.03	1.05
61	11	30.72%	4.63	0.9	0.98	1.01	0.98	1.14	1.03	1.14	1.09	1.07	1.14	1.07
35	2	3.13%	8.71	1.07	0.9	0.82	0.83	1.24	1.03	1.16	1.12	1.13	1.25	1.14
79	12	68.77%	8.89	0.88	0.91	0.86	0.99	1.07	1.18	1.02	1.08	1.09	1.08	0.99
1426	17	32.00%	5.39	0.82	0.82	0.83	0.86	1.29	1.18	1.22	1.2	1.17	1.16	1.15
37	7	6.71%	6.79	1	1.06	1.02	1.13	1.19	1.08	1.13	0.86	1.2	1.15	1.04
54	21	31.49%	4.99	1.05	1.06	0.99	1.09	1.11	1.15	1.36	1.24	1.05	1.05	1.1
193	40	42.09%	6.02	1.02	1.03	1	1.04	1.18	1.12	1.07	1.07	1.13	1.06	1.05
207	26	47.86%	5.23	0.87	0.86	0.84	0.9	1.25	1.13	1.12	1.11	1.22	1.18	1.14
29	7	36.42%	8.69	1.03	1.19	1.13	1.21	0.95	0.96	0.93	0.96	0.95	1.01	1.01
10	3	8.37%	9.28	1.34	0.98	0.94	0.93	0.97	0.86	1.03	1.01	1.43	1.01	0.99
23	3	15.33%	9.1	0.97	0.87	0.97	0.99	1.28	1.04	1.11	1.19	1.23	1.14	1.1
8	6	20.46%	8.81	0.94	0.99	1.1	0.87	1.06	1.06	0.82	0.93	0.98	0.93	0.94
6	5	22.84%	8.33	0.91	0.86	1.14	1	1.14	1.18	1.1	1.15	0.96	0.94	1.05
386	14	63.04%	6.77	0.96	0.93	0.96	0.95	1.22	1.14	1.24	1.18	1.1	1.09	1.04
10	2	8.67%	6.09	1.14	1.14	0.8	0.73	1.24	1.17	0.82	0.86	1.12	0.78	0.76
29	7	31.97%	8.64	1.06	1.13	0.96	0.95	1.2	1.1	0.99	1.14	1.08	1.03	1.13
4	4	12.75%	7.21	1.04	0.88	1	0.93	0.92	0.98	1.08	0.94	1.07	1.11	1.14
7	2	16.35%	10	1.04	1.04	0.95	0.9	0.87	0.84	0.81	0.8	0.94	0.95	0.72
2	2	14.44%	8.84	1.21	0.95	1.12	3.01	1.17	1.03	0.8	2.36	1.11	1.02	3.27
26	10	17.99%	7.29	1.13	1.05	1.12	1.12	1.07	0.97	1.14	1.14	0.95	1	1.06
20	12	12.86%	8.15	1.15	1.14	1.21	1.14	1.06	1.06	1.33	1.17	1.04	0.94	1
18	8	26.63%	9.26	1.03	1.04	1.09	1.21	0.93	1.07	1.13	1.1	1.02	1.1	0.92
7	5	18.54%	8.66	0.79	0.87	0.87	0.96	0.98	0.99	1.08	0.98	1.1	0.93	1.3
13	5	36.78%	8.98	0.82	0.99	0.92	0.89	1.25	1.16	1.35	1.1	1.09	1.01	1.06
29	9	30.59%	5.29	0.78	0.73	0.93	1.04	1.1	1.11	1.01	1.16	1.23	1.11	1.17
9	4	18.90%	8.78	1.15	1.05	1	0.99	1.48	1.12	0.99	1.03	1.13	1.03	1.27
11	7	7.25%	5.56	0.95	1.03	1.17	1.06	1.11	1.06	1.12	1.24	1.06	1.1	0.96
14	5	21.15%	4.55	0.99	0.92	0.94	1.1	0.92	0.92	0.91	0.98	1.04	1.02	1.02
27	16	19.55%	5.8	1.15	1.01	1.13	1.09	0.98	0.96	0.9	0.89	1.06	1.04	0.99
47	12	27.23%	9.15	1.12	1.08	1.09	1.12	0.89	0.88	0.86	0.84	1.13	1.07	1.06
64	20	23.87%	8.94	1.14	1.08	1.09	1.1	0.96	0.98	0.89	0.84	1.01	1.07	1.01
27	14	27.22%	8.89	1.05	1.05	1.08	1.08	0.95	0.82	0.87	0.91	0.85	0.95	0.92
7	2	7.22%	4.82	1.02	0.97	0.94	1.07	0.98	0.95	0.97	0.96	0.94	1.01	1.02
34	19	25.12%	5.93	1.07	1.02	1.11	1.06	1.08	0.95	0.9	0.87	1.01	1.04	0.97
2	2	3.77%	4.65	1.14	1.05	1.01	1.08	1.2	1.07	0.93	1.01	1.08	0.83	1.06

8	4	13.38%	5.5	0.93	1.09	1.02	1.09	1.1	0.99	0.86	0.96	0.98	1.14	1.09
51	9	20.91%	6.25	0.99	1.06	1.03	0.99	1.09	1.1	1.05	1.06	1.04	1.05	1.06
26	12	19.02%	5.52	0.77	0.84	0.94	0.82	1.18	1.18	1.17	1.25	1.13	1.03	1.11
20	11	27.58%	5.56	1.21	1.2	0.97	1.06	1.09	1.11	0.97	0.92	1.15	0.95	1
8	5	30.43%	5.6	1.11	0.83	1.09	1.05	0.64	0.63	0.85	0.8	0.81	1.12	0.98
5	4	12.83%	5.39	0.73	0.88	1	0.98	0.69	0.8	0.87	1.02	0.74	1.19	1.11
4	3	10.22%	9.42	1.18	1.11	1.11	1.09	1.22	1.21	1.23	1.09	0.45	0.82	0.73
15	5	21.40%	7.78	1.03	0.99	0.89	0.89	1.24	1.2	1.15	1.21	1	1.04	1.04
6	5	14.39%	6.33	0.98	1.15	0.79	0.85	1.21	1.29	1.15	1.05	1.6	1.29	1.26
15	4	44.37%	5.83	1.02	1.12	1.05	1.14	0.81	1.03	0.92	1.11	0.95	1.02	1.02
8	3	20.39%	10.4	1.17	1.1	1.11	1.05	0.94	0.91	0.74	0.79	1.09	2.02	1.07
36	7	27.78%	9.95	1.06	1.1	1.13	1.15	0.83	0.82	0.96	1.03	1	1.06	0.94
5	4	23.49%	10.2	1.26	1.39	1.32	1.4	1.26	1.3	1.04	1.53	1.1	1.15	1.08
6	5	28.10%	10.6	1.1	1.25	1.17	1.16	0.8	0.81	0.8	0.78	1.16	0.93	0.89
4	3	20.00%	10.7	0.7	1.31	0.99	1.08	1.1	0.92	0.59	0.85	1.19	1.01	0.92
3	2	15.60%	10.7	1.19	1.27	1.03	1.02	1.17	1.09	0.99	0.99	1.35	0.99	1.03
14	7	32.91%	9.55	1.08	1.05	1.04	1.08	1.05	1.01	0.92	0.98	0.96	0.97	0.91
12	7	28.14%	10.2	1.19	1.08	1.12	1.24	0.76	0.74	0.71	0.78	0.81	1.02	0.95
10	6	24.06%	10.3	1.33	1.23	1.12	1.24	0.7	0.75	0.71	0.78	0.95	1.02	0.95
9	6	29.22%	9.8	1.27	1.28	1.12	1.11	0.9	0.97	0.94	0.99	0.85	0.87	0.83
7	4	17.60%	10.6	1.2	1.15	1.18	0.97	0.95	0.98	0.83	0.8	1.11	0.85	0.92
8	5	25.76%	10.3	1.27	1.11	1.08	1.16	0.86	0.85	1.07	0.99	0.95	1.03	1.08
6	4	11.99%	5.54	1.09	0.96	1.23	1.07	0.99	0.77	0.88	0.79	0.89	0.88	0.9
8	5	21.72%	10.4	1.04	1.19	0.99	1.03	0.95	0.82	0.68	0.97	1.09	0.76	0.85
7	3	17.34%	9.97	1.26	1.2	1.2	1.03	1.18	1.02	1.1	0.87	1.23	1.01	1.03
6	3	22.16%	9.02	1.07	0.96	0.9	0.91	0.66	0.84	0.88	0.85	0.96	0.81	0.81
12	6	25.60%	10.4	1.06	0.93	1.18	1.07	0.81	0.8	0.95	0.87	0.92	1.02	1.09
9	5	22.22%	10.5	0.98	0.89	1.18	1.07	0.7	0.62	0.95	0.87	0.87	1.02	1.09
6	4	22.22%	10.2	1.13	1.06	1.2	1.2	0.83	0.78	0.94	0.94	0.82	1.04	0.96
7	4	20.11%	10.1	1.25	0.97	1.15	1.12	0.78	0.9	0.86	0.75	0.76	0.91	0.9
2	1	4.85%	10.4	1.8	1.49	1.25	1.54	0.9	0.79	1.28	0.9	1.45	1.02	1.07
2	2	11.56%	10.9	1.69	1.43	1.28	1.42	0.27	0.37	0.7	0.74	1.19	1.25	0.95
6	3	19.21%	10.9	1.1	1.13	1.25	1.22	0.9	0.92	1.05	1.01	0.86	1.03	0.89
3	2	17.32%	11.3	1.27	1.2	1.47	1.05	0.82	0.85	1.03	0.96	1.16	1.16	1.11
8	5	7.03%	10.4	1.27	1.15	1.2	1.11	0.93	0.9	0.94	0.91	1	0.91	0.89
4	3	10.55%	9.44	1.08	1.16	1.42	1.01	0.93	1.01	1.9	0.39	0.95	0.74	0.23
8	4	14.81%	9.35	1.04	1.03	1.23	1.19	0.85	1.09	0.91	1.02	1	1.05	0.91
9	4	19.23%	10.3	1.26	1.14	1.38	1.23	0.69	0.73	0.84	0.75	0.98	1.04	1.06
16	9	35.92%	9.98	1.07	1.15	1.38	1.16	0.99	0.95	1.09	0.99	0.97	0.89	1.03
15	6	25.00%	9.86	1.13	1.16	1.38	1.15	0.96	1.01	1.09	0.99	1	0.89	0.97
2	2	13.18%	7.76	1.48	1.12	1.87	1.87	0.9	0.54	0.64	0.8	0.9	0.82	0.77
7	4	17.51%	10.4	1.11	1.15	1.3	1.36	1.14	1.04	0.75	0.85	1.26	1.14	1.14
14	5	24.90%	10.8	1.09	1.04	1.26	1.31	0.84	0.96	0.84	0.91	1.12	1.41	1.06
9	5	20.33%	9.52	1.05	1.22	1.09	1.1	1.03	1.08	0.85	0.84	1.1	0.91	0.86
7	2	9.69%	5.26	1.21	1.12	1.22	1.19	1.06	1.05	1.1	0.83	0.98	1.22	0.96
4	3	11.20%	7.78	1.41	1.58	1.05	1.18	1.22	1.26	0.94	1.28	1.11	0.92	0.92
5	4	43.01%	11	1.13	1.18	1.15	1.22	0.79	1	0.88	0.89	0.74	0.87	0.9
3	2	17.58%	11.2	1.15	1.21	1.25	1.29	1.25	1.11	1.22	1.45	0.65	1.21	0.33
5	4	18.64%	9.95	1.28	1.26	1.35	1.83	1	0.99	1.18	1.03	0.78	0.97	0.84
7	4	19.61%	11.1	0.91	1.04	1.41	1.45	1	1.02	1.16	1.05	0.94	0.95	0.95

13	6	19.38%	9.21	1.06	0.95	1.09	1.01	1.01	0.93	0.94	1.05	1.15	1.06	1.04
11	8	27.69%	9.44	1.38	1.17	1.3	1.34	1.14	1.12	1.16	1.2	0.96	0.98	0.92
4	2	13.21%	10.2	1.48	1.22	1.36	1.46	1.06	1.31	0.9	0.92	1.03	0.78	0.78
3	2	8.42%	10.3	1.32	1.09	1.59	1.51	1.03	1.05	1.28	1.08	0.99	1	0.95
15	7	23.83%	9.53	1.25	1.29	1.07	1.2	1.16	1.1	1.08	1.11	1.07	1.07	1.07
7	3	10.41%	9.38	1.31	1.31	1.52	1.34	1.21	1.41	1.11	1	0.9	0.72	0.45
6	4	16.73%	10	0.98	1.08	1.4	1.37	0.98	0.97	1.31	1.25	0.84	0.93	0.89
5	4	18.35%	10.8	1.32	1.3	1.57	1.31	0.99	1.15	1.01	1	0.8	0.86	0.85
3	2	9.88%	9.81	0.84	0.79	0.99	0.98	1	1.01	1	1.03	1.07	0.99	0.99
5	4	20.36%	10.8	1.79	1.6	1.44	1.66	0.95	0.91	0.77	0.85	1.07	1	1.05
3	3	19.19%	10.4	1.22	1.09	1.45	1.28	0.96	0.99	1.29	1.13	0.78	1.03	0.74
3	2	7.61%	10.3	1.26	1.2	1.62	1.36	1.08	1.07	1.07	0.98	1.03	1.03	0.87
4	2	16.43%	9.74	1.17	1.22	0.93	1.24	0.94	0.83	0.87	0.98	0.73	0.92	0.87
8	6	22.81%	9.71	1.37	1.16	1.49	1.42	1.02	0.98	1.1	1.07	0.96	0.98	0.98
4	4	12.05%	5.42	1.52	1.56	1.07	1.1	1.1	1.11	1.03	1.02	0.93	0.91	0.94
7	5	21.25%	6.12	1.52	1.75	1.35	1.73	1.09	1.1	1.11	1.03	0.93	1.14	1.12
13	8	28.16%	9.61	0.93	0.95	1.01	0.97	1.15	1.15	1.06	1.01	1.19	1.08	1.09
14	12	11.37%	4.81	1.07	0.99	1.14	1.05	1.09	1.02	1.11	1.15	0.99	1.11	1.05
6	2	8.74%	10.1	0.86	0.91	0.97	0.98	1	1.04	1.06	1	1.14	1.06	0.89
35	15	25.52%	8.82	1.09	1.04	0.93	1.05	1.19	1.03	1.09	1.12	1.18	0.95	1.06
4	2	13.22%	6.13	1.01	1.11	1.14	1.23	0.98	1.02	1	1.02	1.02	1.06	0.92
15	11	15.68%	7.2	1.13	1	1.21	1.02	1.22	1.11	1.2	1.19	1.26	1.16	1
2	2	4.81%	9.17	0.91	0.77	1.07	0.98	1.19	0.93	1	1	0.74	1.35	1.24
18	9	17.54%	8.86	0.91	0.94	1.02	1.01	1	1.08	1.24	1.19	1.07	1.18	1.17
12	6	13.64%	8.94	0.84	0.94	0.85	1.01	0.99	1.18	1.13	1.19	1.16	1.18	1.17
14	6	7.94%	6.06	1.08	1.09	0.98	0.97	1.12	0.98	1.15	1.22	1	1.05	1.15
4	4	2.38%	5.64	0.9	1.05	0.84	1.02	1	1.19	0.9	1.08	1.1	0.99	0.98
27	9	33.67%	9.12	0.98	1.01	1.01	1.01	1.12	1.12	1.02	1	1.09	1.1	1.08
12	5	18.53%	9.18	0.94	1.01	1.14	1.19	1.02	1.08	1.34	1.22	0.92	1.1	1.06
80	26	30.00%	5.67	1.1	1.12	1.07	1.04	1.18	1.11	1.02	1.04	1.09	1	0.99
42	24	22.64%	4.66	1.06	1.06	1.11	1.16	1.04	1.07	1.06	1	0.91	0.93	0.87
7	5	18.39%	9.66	1.15	1.29	1.78	1.58	1.28	1.24	1.38	1.24	0.98	0.77	0.83
53	16	48.82%	4.91	1.2	1.11	1.23	1.19	1.19	1.13	1.14	1.18	1.07	1	1.08
7	2	10.58%	7.67	0.94	1.08	1.03	0.84	0.87	1.03	0.8	0.78	1	0.81	0.91
4	3	11.22%	5.76	1.04	1.07	1.07	0.96	0.94	1.04	0.75	0.67	1.23	1	0.84
7	4	8.63%	5.07	0.8	0.87	0.95	0.9	0.76	0.94	0.8	0.99	0.94	0.82	0.98
4	3	2.98%	4.71	1.59	1.09	1.4	1.21	1.94	1.12	1.14	1.34	1.34	1.18	1.2
6	6	6.07%	4.65	0.97	0.95	1.48	1.25	0.9	0.86	1.29	1.25	0.97	1.35	1.4
92	13	47.87%	6.96	0.98	0.93	1.05	1.12	1.18	1.02	1.08	1.11	1.12	0.99	1.01
6	2	14.50%	5.3	0.79	0.87	1.57	1.06	1.33	1.17	3.02	0.78	1.01	0.83	0.43
64	4	9.52%	8.19	0.91	0.86	0.84	0.87	1.13	1.1	1.15	1.18	1.1	1.09	1.12
310	17	47.73%	8.78	0.88	0.87	0.87	0.9	1.18	1.12	1.17	1.15	1.11	1.08	1.09
20	9	29.71%	6.73	0.86	1.06	0.82	0.9	1.21	1.2	1.24	1.24	1.01	0.92	1.1
96	20	45.68%	8.2	0.99	0.97	1.04	1.02	1.15	1.05	1.08	1.05	1.07	1	1.03
44	7	21.45%	6.01	0.95	0.88	1.02	1	1.2	1.03	1.12	1.21	1.06	1.09	1.03
14	6	12.59%	5.94	1.28	1.27	1.18	1.15	1.43	1.39	1.46	1.4	1.1	0.83	0.83
35	11	24.79%	5.97	1.3	1.28	1.29	1.14	1.53	1.41	1.46	1.53	0.9	0.82	0.86
159	19	36.76%	6.29	0.91	0.88	0.82	0.85	1.08	1.13	1.04	1.07	1.06	1.07	1.08
18	4	23.70%	9.09	0.72	0.84	0.87	0.85	1.05	1	1.13	1.11	1.01	1.21	1.1
229	22	35.51%	6.26	0.9	0.87	0.91	0.92	1.12	1.08	1.09	1.07	1.08	1.08	1.06

13	6	11.81%	5.09	1.04	0.98	0.93	1.02	1.02	0.93	1.04	0.91	1.01	0.89	0.83
20	11	29.46%	5.26	1.13	1.06	1.18	1.12	1.21	1.1	1.29	1.21	1.04	1.02	1.17
5	3	14.49%	7.8	0.98	0.95	1.01	0.77	1.19	0.99	1.13	1.07	1.02	1.25	1.1
3	2	13.84%	6.51	1.29	1.38	1.15	0.36	1.06	1.37	1.39	1.38	1.12	1.14	0.94
2	2	6.04%	5.02	1.45	1.32	1.95	1.52	1.71	1.38	1.18	1.08	0.56	0.73	0.42
3	2	6.02%	5.28	1.26	1.13	1.07	1.28	1.44	1.27	1.74	1.41	0.7	0.67	0.92
2	1	2.16%	6.4	0.97	1.04	0.85	0.84	1.36	1.41	1.18	1.19	0.81	0.99	1.24
4	2	10.42%	7.78	0.96	0.97	0.98	0.9	1.21	1.03	1.08	1.07	0.93	0.98	1.23
4	4	16.72%	5.83	1.5	1.7	1.95	2.09	1.33	1.31	1.06	1.01	0.7	0.56	0.49
2	2	6.18%	8.97	1.25	1.05	1.56	1.43	1.43	1.19	1.3	1.09	0.9	0.94	0.75
23	8	24.60%	9.18	1.06	0.96	0.95	0.91	0.98	0.77	0.88	0.81	1.04	0.93	1.01
7	5	13.38%	6.62	0.95	0.83	1.7	1.45	0.91	0.88	1.61	2.02	0.93	1.36	1.45
32	12	25.05%	6.29	0.99	0.94	0.93	0.91	1.15	1.09	1.08	1.1	0.98	1.09	1.1
9	4	15.38%	8.95	1.02	1.03	1.04	1.72	1.24	1.12	1.22	1.33	1.14	1	1.07
6	4	41.48%	4.94	1.12	1.27	0.92	0.82	0.78	0.99	0.85	1.03	1.4	1.04	1.04
27	10	21.84%	6.51	0.95	0.86	0.93	0.86	1.02	0.86	0.86	0.85	1.12	1.07	1.05
12	9	36.55%	6.01	1.05	1.19	1.2	1.08	1.11	0.98	1.2	0.99	1.07	0.98	1
12	8	26.74%	6.41	1.21	1.15	1.17	1.1	0.79	0.75	1.05	0.91	1	1.01	0.94
58	18	39.96%	8.7	0.77	0.82	0.75	0.78	1.06	1.08	0.98	1.07	1.03	1.12	1.16
48	10	40.68%	8.74	0.92	0.89	0.83	0.93	1.16	1.02	1.01	1.08	1.06	1.03	1.04
42	12	52.59%	5.6	1.01	1.06	0.94	1.09	1.03	1.1	1.12	1.1	1.2	1.01	1.1
27	8	35.98%	6.18	1.26	1.26	1.17	1.19	1.02	1.04	1.02	0.91	1.04	0.92	0.93
88	17	41.65%	8.59	1.04	1.01	0.94	1.07	1.17	1.12	1.1	1.24	1.08	1.12	1.12
13	8	40.64%	5.55	1.08	1.04	1.17	1.06	1	1.07	1.35	1.19	1.23	0.91	1.07
13	9	19.62%	6.58	0.97	0.93	0.93	0.94	0.9	0.89	0.82	1	1.05	1.2	1.13
28	8	32.02%	9	0.94	0.98	1.01	0.96	1	0.98	0.95	0.98	1.23	1.12	1.1
3	2	14.62%	8.98	1.12	1.09	1.13	0.94	0.61	0.77	0.71	0.64	0.45	0.73	0.81
44	7	32.11%	9.26	0.89	0.9	1.03	0.99	1.17	1.1	1.07	1.14	1.19	1.04	1.06
23	4	16.59%	8.95	0.91	0.86	1.03	0.89	1.15	1.1	1.05	1.03	1.2	1.06	1.08
31	11	21.44%	7.1	1.01	0.96	0.94	0.87	1.23	0.98	1.11	1.02	1.06	1.11	1.11
6	4	9.23%	8.2	0.78	0.9	0.88	0.9	0.88	1.02	1.03	0.98	0.92	1.07	1.09
15	5	15.66%	7.66	1.01	1.21	1.06	1.04	1.02	1.24	1.16	1.18	1.02	0.99	1.05
18	6	12.17%	6.91	1.2	1.31	0.99	1.25	0.66	0.7	0.66	0.78	0.84	0.79	0.8
15	4	27.45%	5.47	1.03	1.06	1.08	1.11	0.91	1.09	0.91	0.99	1.22	1.09	1.16
18	5	20.70%	7.25	1.09	1.13	1.1	1.42	0.86	0.94	0.81	0.87	0.96	0.67	1
23	9	18.62%	6.64	1.34	1.13	1.13	1.4	0.66	0.7	0.7	0.85	0.73	0.81	0.91
9	3	18.40%	7.92	0.84	1.02	1.49	1.54	0.77	0.94	0.83	0.78	1.07	0.88	0.6
5	2	11.06%	6.07	0.98	0.86	1.03	1.07	1.1	1.03	1.07	1.14	1.07	1.09	1.18
12	3	13.44%	6.52	0.89	1.07	0.93	1.03	0.89	1.12	1.07	1.05	0.88	1.1	0.95
13	3	10.98%	4.91	1.03	1.13	0.94	0.91	1.64	1.28	1.1	1.26	1.25	1.09	1.17
132	11	40.43%	6.09	0.99	1	0.98	1.11	1.34	1.2	1.29	1.29	1.15	1.14	1.2
6	4	36.89%	7.69	0.89	0.84	0.98	1.1	0.89	0.87	0.88	0.96	1.01	1.03	1.13
9	4	47.22%	6.07	0.9	0.96	0.98	1.1	0.81	0.81	0.88	0.96	1.1	1.03	1.13
3	2	11.43%	9.45	0.9	0.91	1.1	1.04	1.17	1.18	1.13	1.24	1.11	1.13	1.19
13	6	30.00%	4.55	1.1	0.99	0.87	0.79	0.81	0.87	0.72	0.78	0.88	0.31	0.51
9	4	37.12%	4.94	0.84	1.02	1.03	1.06	0.87	0.96	0.93	1.08	0.86	1.24	1.22
15	7	19.19%	9.39	0.91	0.87	1.07	0.87	1.06	1	1.2	0.93	0.99	0.99	0.92
59	8	35.93%	9.17	1.09	1.09	1.07	1.19	1.19	1.15	1.12	1.09	1	1.01	1.04
7	4	15.66%	7.09	1.02	0.96	1.08	1.05	0.95	0.76	0.91	1.13	0.73	0.93	0.92
8	4	13.37%	8.51	1.07	0.99	0.93	0.79	0.96	0.85	0.77	0.87	0.92	0.89	0.92

10	4	21.47%	5.35	1.14	1.27	1.18	1	0.92	0.77	0.92	0.86	0.77	1.08	1.02
68	6	29.18%	8.91	0.89	0.91	0.83	0.89	1.06	1.1	1.03	1.02	1.08	1.05	1.08
12	7	40.74%	9.54	0.95	0.95	1.01	1.02	1.12	1.17	1.08	1.05	1.05	0.95	1.08
129	9	27.21%	7.65	0.96	0.98	1.03	1.04	1.34	1.21	1.12	1.19	1.12	1.22	1.14
7	3	17.78%	8.52	0.7	0.97	0.87	0.75	1.21	1.35	1.33	1.15	1.03	0.89	1.07
7	4	13.05%	5.62	1.2	1.2	1.13	0.99	0.83	0.79	0.82	0.98	0.74	0.82	0.74
23	10	29.27%	6.92	1.07	1.07	1.1	1.06	0.86	0.8	0.84	0.82	0.84	0.88	0.82
13	8	14.31%	4.64	1.26	1.22	1	1.03	0.95	0.93	0.88	0.8	0.85	0.6	0.53
22	10	21.96%	4.84	1.07	1.02	1.02	1.06	0.92	0.91	0.89	0.97	0.91	0.91	0.9
12	6	6.70%	9.5	0.95	0.99	1.03	1	0.99	0.97	0.92	0.8	0.9	0.87	0.93
5	4	7.52%	6.27	0.8	1.04	0.73	0.72	1.12	1.07	1.02	1.02	1.07	0.86	0.87
8	4	14.74%	4.78	0.83	0.87	0.76	0.79	0.86	0.94	1.28	1.15	1.08	0.89	0.85
11	5	27.34%	8.94	0.86	0.82	0.83	0.85	1.11	1.07	1.05	1.04	1.15	1.06	1.12
7	3	15.61%	8.83	1	1.14	0.45	0.46	1.35	1.11	1.28	1.1	1.23	0.42	1.02
12	4	31.45%	5.22	1.15	0.85	1.4	1.6	1.14	0.93	1.29	0.96	1.24	1.32	1.14
7	4	21.74%	8.85	0.6	0.82	0.85	0.81	1.01	1.2	0.95	1.08	0.8	1.17	1.03
11	5	27.65%	9.69	0.91	0.92	1.12	1	1.15	1.07	1.16	1.11	1.03	1.03	1.09
9	4	16.13%	9.45	0.76	0.79	0.74	0.72	1.1	1.11	1.09	1.14	1.02	1.18	1.08
56	6	27.27%	9.54	1	0.95	0.99	0.98	1.04	1.04	1.09	1.08	0.96	0.98	1.06
9	3	17.62%	8.44	0.94	1.04	0.73	0.81	1.05	1.13	0.98	1.05	1.21	1.04	1.03
18	5	22.22%	9.05	0.89	0.92	0.73	0.85	1.2	1.16	1.03	1.14	1.08	1.13	1.09
11	5	34.71%	5.37	1.05	0.89	1.29	1.65	1.36	1.07	1.49	0.96	1.28	1.1	1.06
46	8	25.59%	4.55	0.98	1.04	0.83	0.93	1.21	1.2	1.1	1.05	1.16	0.85	0.91
2	2	11.17%	4.82	0.82	0.89	1.22	1.19	0.86	0.95	1.21	1.22	0.86	1.04	1.01
6	5	7.74%	7.62	0.73	0.75	1.07	1.06	0.94	0.85	1.03	1	0.69	1.01	0.96
55	9	53.40%	8.81	0.93	0.99	1.03	0.98	1.13	1.13	1.1	1.15	1.11	1.08	1.02
5	3	14.61%	9.82	1.09	1.08	1.08	0.95	1.25	1.11	1.12	1.12	1.16	1.15	1.06
14	9	16.17%	5.29	1.03	0.98	1.08	1.19	0.96	1	1.02	1.05	0.87	1.38	1.28
15	7	40.00%	9.18	1.44	1.36	1.15	1.32	1	0.97	0.92	0.97	0.85	0.78	0.78
5	2	8.02%	5.55	0.85	0.75	0.9	0.79	0.66	0.69	0.53	0.5	0.57	0.51	0.61
22	8	31.71%	7.62	1.26	1.25	1.14	1.08	0.96	0.99	0.91	0.88	1.01	0.94	0.89
5	4	15.02%	7.57	1	0.92	1.07	1.08	1.1	1.22	1.04	1.11	1.07	1.05	1.04
21	14	14.92%	6.15	0.97	1.08	1.16	1.05	0.99	1.03	0.89	0.87	1.03	0.97	1.01
5	2	7.38%	4.87	0.93	0.94	1.58	1.06	0.96	0.95	1.54	1.13	1.07	0.89	0.88
4	3	5.71%	9.05	0.96	1.11	1.02	1.01	1.19	1.07	0.91	0.97	0.98	1.03	1.08
12	4	27.22%	7.85	1	0.99	1.04	0.97	0.95	0.73	0.99	0.92	0.84	1.01	0.94
10	5	18.25%	6.92	1.09	1.25	1.03	1.12	1.19	1.19	1.18	1.23	0.85	1.05	1.22
11	7	22.84%	4.82	1.23	1.13	1.13	1.72	1.17	1.17	1.26	1.45	0.89	1.21	0.89
17	10	17.82%	5.84	1.12	1.11	1.05	1.17	1.02	1.07	1.07	1.21	0.9	0.91	1
17	7	20.33%	8.95	0.94	0.88	0.89	0.78	1.01	1.05	1.02	1.02	1.07	1.07	1.05
12	7	11.49%	5.54	0.93	0.97	1.06	1.02	0.97	1	1.08	1.08	1.09	1	0.99
47	9	36.81%	6.33	0.81	0.87	0.81	0.84	1.01	1.02	0.99	1.08	1.12	1.19	0.96
18	9	20.12%	6.36	0.78	0.85	0.77	0.71	1.22	1.09	1.19	1.11	1.23	1.14	1.09
14	7	16.78%	6.15	1.04	1.02	1.28	1.17	1.21	1.06	1.32	1.28	0.97	1.45	1.14
2	2	3.23%	8.83	0.84	0.35	1.27	1.3	1.37	1.16	1.55	1.36	0.18	0.68	0.78
39	16	26.45%	9.34	1.14	1.14	1.17	1.17	1.22	1.25	1.25	1.24	0.79	0.94	0.93
3	2	7.14%	9.23	1.26	1.27	1.04	1.11	1	1.33	1.17	1.23	1.31	0.93	0.65
3	2	9.44%	5.23	1.12	1.32	0.82	0.91	1.25	1.32	0.86	0.92	1.17	0.93	0.92
4	4	6.51%	6.62	1.04	1.29	0.97	0.99	1.45	1.42	1.02	1.25	1.44	1.07	1.11
4	2	6.37%	8.73	1.04	1.24	0.97	0.83	1.32	1.24	1.23	1.18	0.99	0.62	0.61

6	4	9.07%	6	0.98	1.04	0.75	0.65	1.11	0.95	0.84	1.25	1.05	1.09	0.95
10	5	10.98%	6.4	0.96	0.87	0.87	0.92	0.97	0.77	0.93	1.07	1.01	1.08	1.01
12	3	1.91%	5.45	0.93	1.08	1.38	1.1	1.28	1.24	1.13	1.12	0.92	1.17	0.94
32	10	19.44%	7.92	0.9	1.04	0.96	0.98	1.29	1.11	1.12	1.07	1.08	1.05	1.08
5	4	10.10%	6.14	0.96	0.81	0.83	0.9	0.99	0.88	0.96	1.2	1.02	1.39	1.5
65	12	40.13%	6.1	1.03	1.15	1.09	1.03	1.27	1.11	1.01	1.13	1	0.95	0.97
8	4	9.76%	7.04	0.88	0.89	1.02	1.08	0.9	0.88	1.19	0.98	0.94	1.04	1.03
11	4	10.05%	4.96	0.9	1.08	0.82	0.88	1.03	1.1	0.95	1.05	1	1.06	1
34	7	24.75%	8.29	1.19	1.09	1.24	1.25	1.22	1.01	1.14	1.2	1.06	1.08	1.04
104	17	40.51%	6.1	0.9	0.82	0.89	0.89	1.1	1.03	1.06	1.09	1.11	1.12	1.13
7	5	11.99%	5.99	0.75	1.08	0.91	0.93	1.12	1.18	0.86	0.86	1.21	0.95	0.99
10	5	13.13%	5.53	1.11	1.02	1.06	1.08	1.16	1.25	1.06	1.09	0.99	0.95	0.96
17	8	20.78%	6.32	1.14	1.12	1.09	1.1	1.13	1.18	1.25	1.21	0.97	0.99	0.95
18	7	23.28%	5.68	0.94	0.9	0.87	0.95	1.12	1.13	1.06	1.05	1	1.03	1.05
25	10	21.02%	7.6	0.97	0.9	0.93	0.91	1.12	1.09	1.16	1.22	1.11	1.09	1.05
38	16	38.71%	6.6	0.97	0.93	0.9	0.91	1.13	1.14	1.14	1.12	1.11	1.01	1.04
251	33	48.38%	5.83	0.8	0.81	0.78	0.8	1.1	1.07	1.07	1.03	1.14	1.09	1.05
55	7	34.87%	8.93	0.97	0.96	1	0.96	1.13	1.06	1.11	1.12	1.25	1.17	1.13
23	6	12.30%	5.39	0.93	0.89	0.87	1	1.2	1.21	1.27	1.16	1.17	1.08	1.16
55	14	23.19%	5.76	0.84	0.83	0.85	0.81	1.2	1.18	1.22	1.19	1.1	1.11	1.11
44	11	19.24%	5.72	0.84	0.84	0.85	0.84	1.19	1.16	1.25	1.19	1.1	1.13	1.1
8	4	8.06%	9	0.86	0.81	0.79	0.92	1.25	1.19	1.09	1.04	1.33	0.91	1.04
4	2	4.22%	9.53	0.84	0.76	0.95	1.08	1.14	1.05	1.16	1.19	1.14	1.15	1.11
5	3	7.43%	9.59	0.94	0.93	1.07	0.79	1.12	1.15	1.02	1.24	1.14	1.18	1.13
11	5	18.34%	9.23	0.64	1.13	0.92	0.85	0.85	1	1.1	1.03	1.19	0.92	1.12
12	5	17.89%	9.16	0.64	1.13	0.92	0.85	0.85	1	1.1	1.03	1.19	0.92	1.12
16	8	16.98%	7.64	1.09	1.04	1	0.94	1.08	1.09	0.97	0.95	1.03	0.97	0.95
7	4	8.89%	5.4	1.25	1.31	1.35	1.35	1.17	1.08	1.07	1.19	1.15	1.16	1.09
27	10	27.66%	8.22	0.85	0.98	0.85	0.98	1.06	1.18	1.03	1.04	1.06	1.04	1
38	11	36.09%	4.69	1	0.98	1.12	1.02	1.02	0.95	0.94	0.89	1.08	1.04	1.05
46	10	42.68%	4.87	0.99	1.03	0.98	1.01	0.99	0.99	0.95	0.99	1.05	1.19	1.05
51	12	39.02%	4.75	1	0.98	1.04	1.01	0.99	0.95	0.92	0.85	1.09	1.02	1.05
31	9	31.09%	4.72	1.03	1	1.14	1.05	1.01	0.98	0.97	0.93	1.11	1.01	1.04
40	11	38.58%	4.92	1.06	1.01	1.06	1.11	1	0.95	0.82	0.82	1.24	1.04	1.07
29	8	30.92%	4.84	1.07	0.95	1.09	1.09	1.09	0.97	0.92	0.87	0.99	1.07	1.05
19	5	17.00%	4.76	1.01	1.05	0.98	0.95	1.08	0.99	0.91	0.8	1.08	1.05	1.05
19	8	28.96%	4.7	1.12	1.03	1.14	1.04	1.1	1.06	1.03	0.88	1.22	1.03	1.01
40	14	30.61%	4.73	1.06	1.12	0.95	1.08	0.98	0.88	0.87	0.82	1.01	0.73	0.75
11	3	23.49%	7.87	0.95	1.16	0.87	0.91	0.89	1.24	0.9	0.89	0.89	0.97	0.96
2	1	1.40%	5.73	0.91	0.88	1.19	0.73	0.91	0.97	1.22	1.15	0.82	0.92	0.79
3	2	15.46%	6.91	0.82	1.39	0.97	1.58	0.99	1.11	1.71	0.78	0.98	1.16	1.01
11	5	28.49%	5.42	0.92	0.92	1.11	1.09	0.89	0.92	0.92	1.08	0.98	0.96	1.07
15	7	34.78%	5.08	0.92	0.91	1.05	1.03	0.9	0.92	1.01	1.03	0.97	0.96	1.03
21	8	43.40%	6.96	0.95	0.91	1.05	0.89	1.19	1	0.87	0.9	0.97	1	1.07
5	3	17.89%	6.52	0.97	1.17	0.96	1.16	0.91	0.91	0.8	1.13	0.95	1.06	0.92
6	3	21.13%	6.91	0.97	1.17	0.96	1.37	0.83	0.86	1.26	0.95	0.95	1.11	0.97
7	3	15.17%	4.98	1.01	0.92	0.96	0.98	0.9	0.9	0.88	1.3	0.93	1.74	1.37
4	3	7.53%	5.83	0.94	0.89	1.91	0.93	0.95	1.24	1.38	1.03	0.87	1.36	1.19
3	3	2.48%	5.49	0.64	0.87	1.03	1.16	1.03	0.92	1.19	0.97	1.54	1.14	0.94
18	8	39.18%	9.51	0.95	0.94	1.02	0.88	1.19	1.02	1.1	1.11	1.15	1.08	1.05

8	8	8.16%	4.88	1.1	1.01	0.93	0.97	0.97	1.05	1.01	0.95	1.17	0.94	0.81
10	6	44.24%	7.65	0.9	0.9	1.1	1.01	0.81	0.92	1.01	0.82	1.12	0.92	0.92
5	4	6.26%	9.33	0.84	0.8	0.77	0.58	0.56	0.89	0.66	0.64	0.79	0.72	0.68
6	3	7.48%	7.1	0.88	0.88	0.88	0.77	0.87	0.91	0.84	0.89	1.13	0.92	0.94
45	5	22.03%	9.08	0.85	0.93	0.73	0.8	0.84	0.93	0.81	0.88	1.01	0.99	0.96
70	23	31.95%	5.01	1.07	1.04	1.09	1.11	0.93	0.92	0.84	0.85	0.99	0.95	0.98
4	2	3.33%	6.19	0.96	1.14	0.88	1.12	1.03	1.07	0.99	0.96	1.08	0.74	0.9
6	3	12.02%	5.44	0.92	1.13	1.25	1.12	0.95	1	0.85	0.85	1.09	0.86	0.83
61	21	28.85%	5.93	1.07	1.04	1.08	1.1	0.98	1.01	0.98	0.9	1.09	1.03	1.03
9	2	14.65%	5.7	0.96	1.34	0.99	1	1.13	1.23	0.83	0.76	1.68	1.03	1.11
67	22	29.34%	5.03	1.17	1.17	1.06	1.13	1.03	0.92	0.94	0.99	1.01	0.96	1
63	22	29.43%	5.01	1.15	1.19	1.17	1.24	0.98	0.92	0.93	0.92	0.93	0.96	0.92
49	8	42.98%	5.56	0.93	1	1.19	1.04	0.79	0.77	0.83	0.87	0.99	1.11	1
11	3	14.67%	5.33	0.54	0.54	0.19	0.17	0.72	0.73	0.13	0.29	0.76	0.2	1.2
38	16	25.62%	8.5	0.79	0.87	0.77	0.79	1.16	1.07	1.07	1.03	1.17	1.15	1.09
9	5	14.24%	8.27	0.81	0.9	0.87	0.83	0.95	0.97	0.95	0.95	1.01	1.04	1.05
3	3	50.94%	8.03	1.11	0.77	0.83	0.76	1.29	1.08	1.02	0.95	1.37	1.13	1.2
18	8	38.91%	5.51	0.9	1.02	1.28	1.25	0.85	0.95	1	1.14	1.1	1.13	1.29
80	21	21.18%	7.34	1	1.02	1.11	1.09	1.07	1	0.97	0.98	0.96	0.95	0.96
38	13	14.94%	6.28	1.01	1.01	1.1	1.11	1.06	1.06	0.99	0.94	1.09	0.99	1.01
70	24	24.73%	6.9	1.05	1.04	0.95	0.99	1.11	1.1	1.1	1.05	1.07	0.98	0.99
2	1	2.59%	5.52	1.02	1.06	0.86	0.82	0.98	0.98	0.82	0.75	1.11	1.22	1.03
6	5	8.21%	7.58	0.92	0.94	0.95	0.95	1.1	1.13	1.04	0.93	1.36	1.11	1.15
27	13	37.54%	6.1	1.05	1.03	1.09	0.97	1.11	1.06	1	1.05	1.1	1.1	1.04
11	7	21.61%	6.4	1.38	1.01	0.96	0.94	1.28	0.94	0.9	0.99	1.26	1.1	1.06
14	7	19.02%	7.61	0.91	1.05	0.91	0.95	0.97	1.12	0.78	1.03	0.97	0.98	0.98
35	17	31.25%	5.89	0.99	1.01	0.9	0.96	0.9	0.87	0.92	0.95	1.15	1.07	1.04
9	5	10.27%	5.75	1.1	1.22	0.92	0.92	1.17	1	0.81	1.01	1.3	1.03	1.02
42	10	25.67%	8.16	0.94	0.95	1.09	1.05	1.08	0.97	1.05	1.14	1.08	1.15	1.07
31	11	26.59%	7.53	0.82	0.9	0.89	0.88	1.14	1.09	1.11	1.05	1.11	1.13	1.05
32	15	17.76%	6.55	0.94	0.95	0.99	1.01	0.9	0.99	0.87	0.95	1.06	0.96	0.95
15	7	16.63%	6.9	1.08	1.21	1.05	1.09	0.85	1.02	0.94	0.89	1.09	1.03	0.9
15	8	9.52%	5.73	1	1.08	1.09	0.97	0.87	0.95	0.87	0.85	0.98	0.97	0.8
27	12	24.22%	7.04	1.06	0.95	0.98	1.07	0.97	0.89	1.24	1.13	1.01	1.19	1.07
48	20	44.34%	7.08	1.02	0.91	0.98	1.05	0.99	0.96	1.07	1.03	1.05	1.19	1.08
46	15	27.64%	8.73	0.99	0.99	0.97	0.99	1.17	1.18	1.11	1.13	1.02	1.15	1.09
8	5	12.10%	8.31	1.08	1.05	0.76	0.83	1.02	1	0.92	0.86	0.78	0.79	0.87
21	6	27.87%	8.56	1.06	1.11	0.99	1.01	1.01	0.92	0.83	0.88	0.99	0.9	0.88
11	5	21.01%	5.72	1	0.8	1.07	0.95	0.7	0.66	0.74	0.77	0.88	0.86	0.84
16	11	21.77%	7.18	0.91	1.07	1.05	1.07	0.91	0.98	0.94	0.91	1	0.87	0.93
20	10	27.00%	5.57	1.02	1.06	0.97	0.98	0.85	0.86	0.71	0.82	0.93	0.8	0.91
36	14	32.87%	6.96	0.94	0.97	1.05	1.01	0.86	0.91	0.97	0.91	0.89	0.9	0.92
7	4	13.78%	9.07	1.15	1.08	0.89	0.93	1.02	0.98	0.93	0.8	0.94	1.23	0.87
3	1	2.05%	6.4	0.73	0.67	0.97	1.09	1.05	1.07	1.18	1.19	1.3	1.61	1.26
42	14	26.75%	6.55	0.94	0.92	0.93	0.95	1.14	1.08	1.1	1.04	1.05	0.98	1.05
3	3	6.46%	8.49	0.52	0.57	0.82	0.76	0.58	0.62	1.14	1.07	1.43	0.93	0.91
13	6	13.87%	8.26	1.06	0.98	1.03	0.89	1.26	1.08	1.03	1.03	1.1	1.06	1.1
10	6	12.03%	6.96	0.82	0.86	0.73	0.94	1.06	0.97	0.79	0.71	1.06	1.09	1.08
11	4	14.11%	6.5	0.95	0.99	1.3	1.43	1.1	1.06	1.13	1.33	0.74	1.24	1.41
10	5	11.05%	6.5	0.95	0.91	1.21	1.02	1.16	1.02	1.3	1.15	1.32	1.24	1.21

8	3	10.93%	8.91	1.02	1.05	0.99	0.86	1.08	1.07	1.18	1.03	1.09	1.01	0.91
47	15	36.11%	7.63	0.82	0.81	0.76	0.71	1.07	1.1	1.03	1.02	1.15	1.14	1.07
8	5	13.03%	6.48	1.11	1.14	1.04	1.4	0.92	0.92	0.84	0.75	0.96	0.98	0.85
3	2	13.57%	9.71	0.74	0.78	1.11	0.97	0.91	0.77	1.07	1.11	1.26	1.09	1.08
3	3	3.46%	7.17	0.97	0.81	0.8	0.81	0.95	0.73	0.91	0.75	0.86	0.74	0.93
25	13	23.43%	8.8	0.9	0.95	0.97	1	1.01	1.15	1.08	1.04	1.13	1.1	1.11
62	10	25.68%	5.98	1.04	1.08	1	0.97	1.18	1.2	1.13	1.08	1.05	1.05	0.98
9	3	7.67%	8.29	0.9	0.87	0.78	0.77	1.18	1.22	0.99	0.98	1.18	1.07	1.07
11	6	15.09%	5.77	0.84	0.96	0.85	0.95	0.92	1.13	1.19	1.14	0.99	0.89	1.01
6	4	13.03%	9.04	0.91	0.88	1.2	1.01	1.43	1	1.44	0.94	1.05	0.93	0.97
2	2	3.50%	8.93	1.66	1.53	1.58	1.42	1.19	1.01	1.48	1.32	0.43	0.81	0.69
18	10	20.78%	8.89	0.97	0.99	0.83	0.77	1.06	0.99	0.87	0.81	1.21	1.1	1.07
14	9	13.38%	8.95	1.17	0.99	1.25	1.14	1.09	1.2	1	1.08	1.08	0.87	0.88
6	3	11.76%	8.99	1.17	1.1	0.82	0.92	1.22	1.2	0.93	1.07	1.17	1.3	1.18
17	6	16.80%	6.11	0.98	1.03	0.97	0.9	1.13	1.44	1.13	1.5	0.9	1.16	1.15
2	2	4.39%	6.79	0.69	0.77	1.15	1.13	1	0.71	1.17	1.12	1.01	1.17	1.07
12	6	25.83%	8.31	0.8	0.84	0.94	0.9	1.13	1.11	1.14	1.08	0.99	1.06	1.08
3	2	4.64%	9.71	1.02	0.93	0.86	0.81	0.98	1.03	1.48	1.22	1.1	1.07	1.02
10	7	4.46%	8.79	1.11	0.95	0.95	0.92	0.96	0.88	1.13	0.81	0.83	0.86	0.72
18	12	9.28%	7.29	1.04	0.95	1.19	1.06	0.88	0.91	0.97	0.92	0.83	0.73	0.68
4	3	4.69%	8.22	1.24	1.32	1.23	1.06	1.22	1.24	1.14	1.09	0.99	0.75	0.79
19	7	21.59%	6.91	0.89	0.9	1.01	0.96	1.2	1.08	1.17	1.23	1.1	1.19	1.18
6	3	12.89%	9	0.93	1.02	0.78	0.81	0.68	0.71	0.59	0.7	0.78	0.56	0.77
17	2	6.75%	6.12	0.98	1.02	0.98	1.19	0.94	0.92	1.15	0.94	1.05	0.91	0.99
8	2	7.17%	9.3	0.92	0.9	0.88	0.93	1.01	0.99	0.94	0.92	1.03	1.02	1.06
3	1	1.97%	5.48	0.94	0.82	0.82	0.79	0.93	0.96	0.81	0.86	1.06	1.07	1.07
5	2	5.64%	9.99	0.8	0.95	0.68	0.68	0.95	1.04	1.01	1.23	1.1	0.95	0.84
14	6	13.05%	6.72	1.01	0.98	1.13	0.92	0.99	0.98	0.74	0.89	0.89	1.02	0.9
45	12	21.06%	9.47	1	0.82	0.81	0.8	1.1	1.03	1.11	1.1	1.02	1.15	1.08
15	4	17.12%	9.43	1.06	0.95	0.97	1.05	1.16	1.32	1.05	1.12	1	0.99	1.1
15	4	26.04%	9.45	0.98	1.05	0.97	1.32	1.03	1.07	0.98	1.13	0.96	1.05	0.91
16	4	7.28%	9.63	0.85	0.9	1.08	0.99	1.02	1.23	1.23	1.21	1.05	1.03	1.03
9	5	14.45%	7.67	1.03	0.86	1	1.04	0.98	1.2	1.05	1	1	0.93	1
7	7	11.49%	9.24	1.06	0.84	0.87	0.88	1.15	1.1	1.04	0.94	1.07	0.93	0.95
17	6	11.07%	9.47	1.08	0.99	1.08	1.1	1.1	0.99	0.96	0.91	1.03	0.95	1.03
25	6	16.09%	8.87	0.95	1.01	1.05	0.96	1.18	1.14	1.13	1.01	1.07	1.11	1.04
88	21	23.89%	4.81	0.92	0.93	0.98	0.97	1.07	0.99	1.07	1.09	1.04	1.06	1.03
10	4	22.62%	9.63	1.2	1.06	0.92	1.12	1.05	1.02	1.44	1.19	0.9	0.92	0.97
3	3	3.83%	8.87	1.15	1.03	1.42	1.19	0.9	0.95	0.78	0.92	1.03	0.75	0.88
6	5	14.89%	9.41	0.89	1.07	0.83	0.92	1.28	1.2	1.19	1.09	1.15	1.24	1.15
4	2	4.40%	9.75	0.85	0.91	1.06	1.16	0.98	0.87	1.02	0.99	0.98	1.04	1
12	3	7.02%	9.55	1.13	1.33	1.13	1.1	1.32	1.2	1.31	1.56	0.77	0.98	0.97
6	2	1.68%	9.32	1.09	1.01	1.21	1.15	1.14	1.15	1.15	1.05	0.97	0.98	0.93
21	5	13.52%	9.5	0.97	1.14	1.06	1.19	1.38	1.25	1.47	1.34	0.99	1.06	0.95
9	4	6.22%	9.61	0.94	0.99	0.96	0.86	1.33	1.2	1.27	1.16	1.04	1.1	0.84
10	5	16.29%	9.25	0.94	1.03	1.03	0.93	0.89	0.96	0.92	0.81	0.95	0.82	0.81
8	6	22.67%	9.5	0.9	0.89	0.75	0.89	0.79	0.85	0.69	0.88	0.85	0.92	1.05
30	12	30.00%	9.74	1.14	1.11	1.06	1.05	0.89	0.94	0.97	0.95	0.93	0.93	0.99
3	2	4.94%	9.45	0.64	0.97	1	1.05	1.38	1.03	1.45	1.46	1.06	0.8	1.05
9	7	12.50%	6.94	0.94	0.99	0.9	0.88	1.07	1.05	1.2	1.06	1.19	0.92	1.07

48	23	45.78%	4.88	0.77	0.8	0.78	0.77	0.63	0.75	0.67	0.74	0.79	0.81	0.88
5	4	11.44%	9.32	1.14	1.03	0.93	1	1.23	1.08	1.12	1.27	0.58	1.06	1.06
17	6	62.16%	8.12	0.95	0.86	0.73	0.81	0.84	0.8	0.87	0.75	1.09	0.98	0.99
54	18	31.41%	5.29	0.87	0.93	0.81	0.8	0.86	0.96	0.85	0.94	1	0.96	1.01
26	14	20.27%	5.56	0.88	0.92	0.88	0.86	0.98	0.88	0.79	0.96	1.03	0.95	1.09
11	5	14.10%	5.42	0.89	0.97	0.78	0.88	0.73	0.95	0.95	0.92	0.99	1	1
21	10	37.69%	9.4	0.79	0.82	0.83	0.85	0.85	0.81	0.82	0.84	1.01	0.95	1.02
30	13	26.99%	4.91	0.9	0.87	0.77	0.86	0.89	0.9	0.78	0.73	1	0.9	0.93
25	8	38.10%	7.74	0.78	0.94	0.93	0.78	1	0.8	0.83	0.8	1.07	0.98	0.93
12	5	13.07%	4.86	0.86	0.85	0.92	0.79	0.88	0.95	1.01	0.96	0.99	0.9	1.07
5	3	22.44%	6.9	1.25	0.88	0.92	1.03	0.93	0.98	1.08	0.85	1.15	0.93	0.95
2	2	3.61%	9.66	0.82	0.91	0.88	1.04	0.95	0.98	0.93	0.91	0.95	1.29	1.29
18	6	27.80%	8.82	0.97	1.04	1.15	0.98	0.78	0.84	0.86	0.85	0.9	0.85	0.89
10	5	21.82%	8.46	1.14	1.01	1.06	1.01	0.9	0.95	0.79	0.8	0.94	0.75	0.66
32	18	16.56%	4.95	1.06	1.11	1.02	1.03	1.18	1.12	1.05	1	1	1.01	0.97
11	4	11.35%	8.82	0.91	0.84	0.94	0.95	0.91	1	1.13	1.07	0.96	1.04	1
26	10	25.39%	9.71	1.06	0.97	1.03	1.04	0.89	0.91	0.89	0.94	0.93	0.93	0.98
2	1	2.99%	9.71	1.09	1.04	0.85	0.89	1.13	1.22	0.97	0.99	0.78	0.96	1.13
6	2	8.06%	8.21	1.05	1	0.79	0.73	1.05	1.04	1.33	0.93	1.03	0.83	0.96

chromoplast differentiation and senescence.

		Average					Standard Deviation					p-value			
OMa/113		MG/1	Br/113	Ma/113	OMa/113	MG/1	Br/113	Ma/113	OMa/113	pval(E	pval(N	pval(N	pval(C	Trend	
2.62	0.88	1.03	0.93	0.71	1.22	1.51	0.16	0.16	0.14	0.96	0.1	0.01	0.05	0.63	0
0.99	0.93	0.9	0.96	1.05	1	0.94	0.11	0.09	0.02	0.04	0.29	0.44	0.6	0.1	0
0.87	1.08	1.02	1.28	0.93	0.87	0.99	0.1	0.09	0.09	0.11	0	0.44	0	0.23	-1
0.94	0.95	0.98	1.1	0.97	1.06	0.96	0.06	0.03	0.03	0.02	0.01	0.01	0.27	0.01	-1
0.91	0.99	0.95	0.98	1.17	1.03	0.95	0.07	0.09	0.19	0.04	0.02	0.26	0.62	0.5	1
0.83	0.81	0.93	1	1.06	1	0.86	0.13	0.05	0.03	0.06	0.43	0.11	0.98	0.02	0
0.92	0.89	0.9	0.93	1.18	1.07	0.9	0.05	0.04	0.1	0.02	0	0.09	0.05	0.04	1
0.92	0.88	0.88	0.9	1.15	1.1	0.89	0.03	0.06	0.11	0.02	0	0.44	0.02	0.04	1
0.93	0.83	0.83	0.92	1.03	1.24	0.86	0.12	0.08	0.2	0.06	0.19	0.1	0.04	0.03	0
1.97	1.71	1.04	0.95	0.93	0.94	1.58	0.22	0.16	0.17	0.48	0.87	0.91	0.96	0.1	0
1.12	1.13	1.34	1.02	0.99	1.04	1.2	0.14	0.05	0.15	0.12	0.66	0.57	0.91	0.22	0
1.32	1.2	1.31	0.95	0.85	0.88	1.28	0.04	0.08	0.11	0.07	0.05	0.61	0.28	0.01	-1
0.91	0.89	0.86	0.97	1.12	1.14	0.89	0.08	0.11	0.04	0.02	0.07	0.76	0.02	0	0
1.07	1.29	1.06	0.95	0.97	0.95	1.14	0.06	0.05	0.12	0.13	0.78	0.79	0.94	0.13	0
0.77	0.77	0.86	1.22	1.12	0.99	0.8	0.06	0.05	0.07	0.05	0.04	0.05	0.01	0.02	-1
1.1	1.1	0.88	1.1	1.05	0.91	1.03	0.02	0.07	0.03	0.13	0.15	0.02	0	0.18	0
0.86	0.88	0.82	1.02	1.12	1.08	0.85	0.05	0.05	0.09	0.03	0.03	0.51	0.27	0.01	1
1.04	0.91	0.84	1.09	1.12	0.95	0.93	0.07	0.01	0.07	0.1	0.49	0	0.04	0.76	0
0.97	0.92	0.95	0.97	1.12	1.14	0.95	0.05	0.07	0.01	0.02	0.01	0.79	0	0	1
1.14	0.98	0.93	0.87	1.02	1.16	1.02	0.09	0.03	0.12	0.11	0.02	0.07	0.01	0.21	1
1.05	1.02	1.04	0.92	1.19	1.13	1.04	0.06	0.06	0.08	0.01	0	0.3	0.01	0.1	1
0.89	0.83	0.89	0.94	1.01	0.97	0.87	0.03	0.05	0.02	0.03	0.05	0.26	0.2	0.01	1
1.09	0.94	0.84	0.93	0.99	1.09	0.95	0.04	0.12	0.01	0.13	0.34	0.22	0	0.14	0
1.09	0.96	0.78	0.99	0.95	1.08	0.94	0.09	0.09	0.12	0.16	0.62	0.16	0.28	0.28	0
1.03	0.99	0.92	0.82	0.87	0.77	0.98	0.29	0.14	0.33	0.06	0.75	0.6	0.85	0.33	0
1.01	1	0.99	1.06	1.16	1.07	1	0.07	0.09	0.07	0.01	0.14	0.21	0.9	0.21	0
0.9	0.87	0.96	1.03	1.16	1.07	0.91	0.03	0.06	0.04	0.05	0.01	0.11	0.21	0.01	1
0.88	1.03	1	0.93	1.11	1.04	0.97	0.07	0.1	0.12	0.08	0.02	0.42	0.19	0.46	1
0.9	0.94	0.83	1.05	1.2	1.04	0.89	0.06	0.06	0.08	0.05	0.01	0.02	0.87	0.05	1
0.72	0.83	0.79	1.22	1.16	1.15	0.78	0.09	0.01	0.07	0.05	0.24	0.68	0.29	0	0
0.89	0.81	0.87	1.05	1.16	1.05	0.86	0.03	0.03	0.01	0.05	0	0	0.84	0	1
0.82	0.83	0.95	1.05	1.3	1.02	0.87	0.04	0.07	0.14	0.07	0	0.02	0.69	0.18	1
1.01	0.87	0.9	0.96	1.07	1.02	0.93	0.03	0.09	0.01	0.07	0.06	0.42	0.01	0.08	0
0.75	0.75	0.85	1.12	1.1	1	0.78	0.05	0.06	0.05	0.06	0.74	0.06	0.03	0.01	0
0.86	0.96	0.92	1.03	1.01	1.15	0.91	0.05	0.03	0.03	0.05	0.55	0	0.02	0	0
0.88	0.88	0.89	1.06	0.95	1.11	0.88	0.04	0.02	0.06	0.01	0	0	0.2	0	-1
0.86	1.03	0.86	1.08	1.01	1.17	0.92	0.04	0.04	0.04	0.1	0.03	0	0.03	0.01	-1
0.85	0.92	0.96	0.99	1.13	1.08	0.91	0.12	0.04	0.07	0.06	0.06	0.3	0.29	0.04	0
1.03	1.12	0.96	1.04	1.07	0.94	1.04	0.06	0.08	0.07	0.08	0.63	0.07	0.09	0.18	0
0.83	0.82	0.96	1.04	1.14	1.07	0.87	0.04	0.07	0.04	0.08	0.05	0.17	0.47	0.02	1
0.91	0.94	0.96	0.91	1.08	1.12	0.94	0.02	0.03	0.01	0.03	0	0.09	0	0	1
0.97	0.97	1.01	0.93	1.18	1.34	0.98	0.1	0.26	0.39	0.02	0.12	0.55	0.09	0.19	0
1.17	0.94	1.34	1.2	1.3	1.26	1.15	0.46	0.24	0.56	0.2	0.71	0.9	0.88	0.77	0
0.84	0.9	1.14	1.01	1.2	1.13	0.96	0.06	0.12	0.04	0.16	0.03	0.38	0.02	0.14	1
0.86	0.93	0.91	0.98	1.16	1.06	0.9	0.02	0.07	0.05	0.04	0	0.09	0.02	0.01	1
1	0.89	0.79	1.19	1.08	0.91	0.89	0.11	0.12	0.06	0.1	0.22	0.07	0.01	0.85	0
0.69	0.91	0.89	1.15	1.19	1.01	0.83	0.13	0.15	0.07	0.12	0.75	0.12	0.15	0.09	0

1.53	1.45	1.31	0.89	1.04	1.17	1.43	0.04	0.08	0.21	0.11	0.02	0.32	0.05	0.13	1
1.07	0.95	1.17	1.2	1.34	1.15	1.06	0.11	0.08	0.29	0.11	0.06	0.25	0.8	0.64	0
0.8	0.78	0.76	1.21	1.24	1	0.78	0.06	0.03	0.07	0.02	0.45	0	0.01	0.01	0
0.86	0.84	0.91	1.14	1.09	1.01	0.87	0.06	0.06	0.03	0.04	0.27	0.11	0.02	0.01	0
0.8	0.84	0.9	1.12	1.11	1.01	0.85	0.07	0.06	0.02	0.05	0.68	0.05	0.05	0.01	0
1.28	1.24	1.35	1.03	1.04	0.97	1.29	0.1	0.07	0.03	0.06	0.94	0.17	0.34	0	0
0.94	1.1	1.02	0.99	1.08	0.89	1.02	0.07	0.05	0.16	0.08	0.08	0.07	0.28	0.27	0
0.96	0.9	0.94	1	1.08	0.96	0.93	0.02	0.03	0.05	0.04	0.01	0.01	0.17	0.55	1
0.88	0.79	0.81	1.24	1	0.92	0.83	0.09	0.03	0.03	0.05	0	0.02	0	0.05	-1
0.84	0.78	0.79	1	1.08	0.99	0.8	0.07	0.05	0.04	0.04	0.12	0.06	0.91	0	0
1.2	1.16	1.06	0.89	0.85	1.03	1.14	0.13	0.2	0.07	0.07	0.72	0.19	0.16	0.14	0
1.15	1.15	1.12	1.13	0.85	0.94	1.14	0.03	0.04	0.05	0.02	0	0.05	0	0	-1
1.14	1.11	1.17	1.16	0.85	0.89	1.14	0.04	0.05	0.07	0.03	0	0.49	0	0	-1
0.99	0.92	0.97	0.87	1.07	1.01	0.96	0.03	0.07	0.04	0.03	0	0.27	0	0.13	1
0.9	0.87	0.9	1.01	1.15	1.05	0.89	0.04	0.03	0.03	0.01	0	0.01	0.24	0	1
0.98	0.94	0.84	0.76	1.14	1.17	0.92	0.19	0.21	0.11	0.07	0.04	0.8	0.02	0.03	1
1.4	1.38	1.33	1.01	0.91	0.89	1.37	0.09	0.04	0.04	0.04	0.1	0.58	0.1	0	0
0.93	0.96	0.99	1.12	1	0.96	0.96	0.03	0.03	0.06	0.03	0	0.23	0	0.93	-1
0.82	0.82	0.83	0.95	1.12	1.01	0.82	0.04	0.12	0.07	0.01	0.03	0.22	0.19	0.01	1
0.96	0.91	0.95	0.97	1.08	1.06	0.94	0.05	0.05	0.04	0.03	0.03	0.6	0.06	0.02	1
0.91	0.9	0.87	0.92	1.19	1.06	0.9	0.03	0.09	0.11	0.02	0	0.15	0.07	0.07	1
0.88	0.84	0.87	1.05	1.21	1.07	0.87	0.05	0.08	0.03	0.02	0.01	0.03	0.62	0	1
0.86	0.79	0.87	1.01	1.09	1.03	0.84	0.03	0.05	0.04	0.04	0.03	0.13	0.63	0.01	1
0.98	0.78	0.88	0.92	1.14	1.02	0.88	0.04	0.06	0.04	0.1	0	0.04	0.03	0.08	1
0.87	0.96	0.88	0.88	1.14	1.02	0.9	0.05	0.09	0.08	0.05	0	0.11	0.03	0.09	1
0.83	0.99	1.01	0.58	0.67	0.61	0.94	0.19	0.23	0.36	0.1	0.56	0.78	0.9	0.19	0
0.87	0.87	0.83	0.9	1.09	1.15	0.86	0.02	0.02	0.16	0.02	0	0.44	0.02	0.03	1
0.75	0.8	0.97	1.17	1.16	0.93	0.84	0.07	0.09	0.05	0.12	0.92	0.01	0	0.26	0
0.78	0.73	1.01	1.07	1.13	1	0.84	0.04	0.04	0.04	0.15	0.1	0.01	0.08	0.15	0
0.9	0.8	0.85	0.93	1.04	1.07	0.85	0.06	0.06	0.06	0.05	0.04	0.45	0.03	0.01	1
1.28	1.02	1.08	0.86	1.09	1.23	1.13	0.06	0.09	0.06	0.14	0.01	0.08	0	0.32	1
1.01	0.87	1.01	1.08	1.09	1.21	0.96	0.12	0.05	0.14	0.08	0.91	0.14	0.24	0.05	0
1.26	0.94	1.1	0.91	0.99	1.04	1.1	0.12	0.06	0.06	0.16	0.26	0.28	0.13	0.59	0
0.79	0.79	0.81	1.05	1.12	0.99	0.8	0.03	0.06	0.08	0.01	0.06	0.05	0.26	0.02	0
0.86	0.85	1.01	1.03	1.1	1.13	0.91	0.1	0.03	0.04	0.09	0.2	0.38	0.16	0.02	0
0.79	0.62	0.71	1.41	0.98	0.72	0.71	0.26	0.11	0.12	0.08	0.02	0.03	0.01	0.85	-1
0.92	0.74	0.93	1.15	1.14	0.98	0.86	0.05	0.1	0.05	0.1	0.94	0.05	0.01	0.17	0
0.84	0.79	0.83	1.12	1.15	0.99	0.82	0.05	0.04	0.05	0.03	0.48	0.01	0.02	0.01	0
0.95	0.89	0.92	1.09	1.17	1	0.92	0.07	0.06	0.04	0.03	0.14	0.01	0.15	0.05	0
1.11	1.16	1.31	1.1	0.91	0.89	1.19	0.05	0.05	0.05	0.1	0	0.66	0	0.01	-1
0.95	0.98	1.11	0.84	1.04	0.9	1.01	0.02	0.21	0.11	0.08	0.1	0.34	0.31	0.23	0
1.25	1.31	1.37	0.98	0.98	0.85	1.31	0.1	0.03	0.23	0.06	0.99	0.31	0.36	0.03	0
0.97	0.9	0.94	0.96	0.95	1	0.94	0.05	0.06	0.05	0.04	0.83	0.34	0.41	0.15	0
0.72	0.88	0.87	0.95	1.1	1.07	0.82	0.05	0.15	0.03	0.09	0.13	0.76	0.02	0.01	0
0.66	1.06	0.86	1.04	1.09	1.13	0.86	0.13	0.22	0.16	0.2	0.72	0.79	0.44	0.15	0
0.84	1	0.93	1.03	1.16	1.12	0.92	0.12	0.11	0.1	0.08	0.15	0.63	0.33	0.05	0
1.27	1.22	1.32	1.19	1.16	0.8	1.27	0.03	0.16	0.1	0.05	0.7	0.02	0	0	0
0.96	0.93	0.98	1.11	0.96	0.99	0.96	0.31	0.08	0.09	0.03	0.36	0.6	0.54	0.57	0
0.96	0.93	1.03	1.26	1.12	1.02	0.97	0.19	0.17	0.1	0.05	0.3	0.44	0.11	0.46	0
1.72	1.78	1.56	1.07	0.83	0.81	1.69	0.04	0.09	0.03	0.11	0	0.74	0	0	-1

1.63	1.52	1.36	0.94	0.83	0.99	1.5	0.1	0.09	0.13	0.14	0.14	0.11	0.64	0.01	0
0.96	1	1.05	0.95	0.92	0.95	1	0.06	0.05	0.05	0.05	0.48	0.57	0.91	0.27	0
1.01	1.01	1.05	0.96	0.94	0.97	1.03	0.06	0.05	0.01	0.02	0.67	0.29	0.63	0.02	0
0.96	0.93	0.91	1.09	1.14	1.01	0.93	0.1	0.07	0.06	0.03	0.43	0.06	0.32	0.12	0
0.88	0.94	1.08	1.23	1.27	1.08	0.97	0.26	0.26	0.13	0.11	0.83	0.3	0.41	0.28	0
0.9	0.92	0.88	1.15	1.15	1.02	0.9	0.11	0.11	0.05	0.02	0.96	0.12	0.13	0.02	0
0.83	0.83	0.73	1.04	1.04	1.04	0.8	0.1	0.07	0.12	0.06	0.94	0.98	0.98	0.04	0
1.55	1.41	1.43	0.97	0.86	0.94	1.46	0.09	0.02	0.01	0.08	0.05	0	0.64	0	0
1.32	1.5	1.31	0.85	0.79	0.94	1.38	0.1	0.02	0.11	0.11	0.36	0.04	0.31	0.01	0
0.86	0.86	1.01	0.96	0.92	1.04	0.91	0.05	0.03	0.05	0.09	0.29	0.01	0.09	0.08	0
1.03	0.99	1.13	1.06	0.93	1.05	1.05	0.07	0.03	0.08	0.07	0.01	0.04	0.89	1	-1
1.03	0.98	1.11	1.05	0.94	1.06	1.04	0.05	0.04	0.03	0.07	0.01	0.01	0.61	0.63	-1
1.14	1.17	1.04	1.11	0.99	0.94	1.11	0.16	0.12	0.1	0.07	0.26	0.62	0.17	0.06	0
0.95	0.79	1.06	0.97	0.94	0.85	0.93	0.32	0.35	0.43	0.14	0.9	0.79	0.7	0.78	0
1.01	1.18	1.15	1.21	0.87	1.03	1.11	0.02	0.12	0.15	0.09	0	0.17	0.06	0.46	-1
0.95	1.04	0.97	1.25	0.95	0.94	0.99	0.09	0.05	0.08	0.05	0	0.83	0	0.39	-1
1.03	0.98	1.1	1.04	0.94	1.01	1.03	0.04	0.04	0.04	0.06	0.01	0.06	0.41	0.63	-1
0.67	1.01	0.98	1.22	1.01	0.91	0.89	0.24	0.2	0.14	0.19	0.23	0.49	0.1	0.9	0
1.03	1.06	1.17	1.06	0.99	1.07	1.09	0.04	0.03	0.04	0.08	0.04	0.03	0.65	0.79	-1
1.49	1.32	1.18	1.16	1.05	0.79	1.33	0.14	0.08	0.39	0.16	0.24	0.24	0.14	0.09	0
0.98	1.07	1.23	0.99	0.92	1.01	1.09	0.09	0.06	0.06	0.13	0.19	0.09	0.83	0.34	0
1.22	1.16	1.41	1.31	1.05	1.19	1.26	0.4	0.06	0.13	0.13	0.25	0.1	0.66	0.53	0
1.08	1.07	1.09	0.96	1.02	1.04	1.08	0.05	0.03	0.08	0.01	0.07	0.74	0.18	0.43	0
0.89	1.12	0.94	1.06	1.04	1.25	0.98	0.07	0.11	0.16	0.12	0.73	0.09	0.09	0.08	0
0.96	0.92	0.87	0.98	1.1	1.02	0.92	0.01	0.05	0.03	0.04	0	0.06	0.02	0.02	1
0.81	0.73	0.94	1.09	1.13	0.96	0.83	0.05	0.06	0.05	0.11	0.31	0.01	0.02	0.13	0
0.85	0.81	0.92	0.86	1.13	1.04	0.86	0.04	0.03	0.06	0.05	0	0.04	0	0.02	1
0.97	0.94	1.07	0.97	1.17	1.14	0.99	0.08	0.09	0.08	0.07	0.02	0.68	0.04	0.07	1
0.97	1.01	1.26	1.3	1.29	2.12	1.08	0.1	0.16	0.95	0.16	0.87	0.14	0.14	0.14	0
0.58	0.57	0.87	1.19	1.73	1.06	0.67	0.22	0.6	0.21	0.17	0.15	0.13	0.47	0.07	0
1.03	1.18	1	0.93	1.17	1	1.07	0.07	0.01	0.15	0.09	0	0.07	0.44	0.56	1
0.82	0.73	0.85	1.12	1.38	0.88	0.8	0.05	0.06	0.04	0.06	0	0	0	0.15	1
0.66	0.48	0.58	0.85	0.6	0.79	0.57	0.32	0.24	0.09	0.09	0.26	0.26	0.77	0.04	0
1.01	0.93	0.84	0.95	1.03	0.96	0.92	0.04	0.07	0.09	0.09	0.1	0.3	0.82	0.63	0
0.96	0.89	0.88	0.94	1	1.04	0.91	0.11	0.02	0.05	0.05	0.32	0.21	0.23	0.03	0
0.85	0.99	0.89	1.2	0.94	0.92	0.91	0.09	0.29	0.2	0.07	0.14	0.93	0.05	0.96	0
0.99	0.99	0.95	1.03	1.1	1.02	0.98	0.03	0.04	0.05	0.02	0.03	0.07	0.86	0.23	1
0.91	0.92	0.85	0.86	1.03	0.98	0.89	0.09	0.07	0.16	0.04	0.03	0.58	0.27	0.41	1
0.88	0.92	1.26	1.23	1.19	1.28	1.02	0.29	0.16	0.24	0.21	0.79	0.55	0.83	0.23	0
0.94	0.86	0.87	1.03	1.07	0.99	0.89	0.1	0.08	0.07	0.05	0.52	0.24	0.61	0.09	0
0.99	1.02	1.03	0.91	1.21	1.3	1.01	0.17	0.1	0.06	0.02	0.02	0.22	0.01	0	1
0.61	0.64	0.87	1.19	1.11	0.99	0.7	0.12	0.15	0.06	0.14	0.43	0.25	0.05	0.03	0
1.08	0.83	1.22	1.1	1.27	1.07	1.04	0.31	0.21	0.14	0.19	0.38	0.2	0.87	0.87	0
0.45	0.34	0.74	1.66	0.59	0.77	0.51	0.44	0.04	0.06	0.21	0	0.01	0.02	0.11	-1
0.65	0.57	0.66	1.62	0.85	0.7	0.63	0.05	0.12	0.09	0.05	0	0.12	0	0.3	-1
1.05	1.07	1.71	1.27	1.02	1.05	1.28	0.24	0.23	0.3	0.38	0.19	0.88	0.33	0.47	0
1.12	1.06	0.94	0.75	1.12	1.04	1.04	0.36	0.13	0.37	0.09	0.1	0.68	0.34	0.99	0
0.97	0.93	0.97	1.07	0.95	1.06	0.96	0.03	0.04	0.03	0.02	0	0.01	0.76	0.01	-1
0.87	0.92	0.95	1.05	0.94	1.06	0.91	0.06	0.04	0.03	0.04	0.02	0.01	0.94	0.01	-1
0.95	0.84	0.94	1.11	1.07	1.03	0.91	0.03	0.1	0.03	0.06	0.46	0.53	0.01	0.04	0

1.1	1.08	0.84	0.85	0.92	0.74	1	0.11	0.15	0.11	0.14	0.5	0.14	0.24	0.06	0
0.97	1.02	0.82	0.92	0.92	1.04	0.94	0.11	0.2	0.34	0.1	0.97	0.58	0.51	0.63	0
1.33	1.23	1.18	0.91	0.97	1.04	1.25	0.05	0.04	0.08	0.08	0.09	0.18	0.04	0.04	0
1.22	1.17	1.22	0.87	0.95	1.05	1.2	0.08	0.08	0.09	0.03	0.22	0.18	0.04	0.04	0
1.34	1.33	1.39	1.29	0.8	0.88	1.35	0.04	0.07	0.04	0.03	0	0.15	0	0	-1
1.36	1.42	1.32	1.12	0.68	0.89	1.36	0.04	0.03	0.04	0.05	0	0	0	0	-1
1.16	1.15	1.32	1.12	0.73	0.9	1.21	0.04	0.04	0.05	0.09	0	0.01	0	0.01	-1
1.13	1.05	1.11	0.88	0.89	1.03	1.09	0.03	0.03	0.02	0.04	0.85	0	0	0.1	0
1.05	0.99	0.93	1.01	0.94	1.07	0.99	0.02	0.03	0.03	0.06	0.01	0	0.02	0.13	-1
0.86	0.95	0.87	0.93	1.13	1.09	0.89	0.03	0.02	0.01	0.05	0	0.01	0	0	1
0.97	0.84	0.9	0.93	1.19	1.06	0.91	0.02	0.1	0.07	0.06	0	0.12	0.01	0.04	1
0.97	0.98	0.95	0.92	0.9	1.1	0.97	0.04	0.03	0.07	0.02	0.54	0	0.01	0.03	0
0.93	0.97	0.95	1	0.92	1.06	0.95	0.04	0.03	0.03	0.02	0.02	0	0.11	0.01	-1
0.86	0.84	0.89	1.05	0.99	0.97	0.87	0.06	0.02	0.02	0.02	0.12	0.34	0.1	0	0
1.04	1.15	1.02	1.03	1	1.1	1.07	0.02	0.08	0.1	0.07	0.48	0.2	0.23	0.67	0
1.11	0.96	0.85	1.09	0.94	1	0.97	0.05	0.04	0.11	0.13	0	0.34	0.21	0.78	-1
0.72	1.65	0.78	0.79	0.91	0.86	1.05	0.19	0.18	0.21	0.52	0.4	0.72	0.69	0.58	0
1.08	0.88	0.96	1.04	0.84	1.13	0.97	0.18	0.16	0.17	0.1	0.15	0.07	0.5	0.24	0
0.96	0.91	0.91	0.94	1.1	1.11	0.93	0.04	0.06	0.06	0.03	0	0.76	0	0.01	1
0.93	0.92	0.99	0.88	1.13	1.16	0.95	0.01	0.02	0.01	0.04	0	0.15	0	0	1
1	0.96	0.96	1.02	0.94	1.08	0.97	0.02	0.09	0.02	0.03	0.12	0.05	0.01	0.01	0
0.96	1.05	1.07	0.98	0.92	1.11	1.03	0.03	0.05	0.03	0.06	0.09	0	0	0.11	0
0.93	1.05	0.98	0.99	0.95	1.07	0.99	0.04	0.06	0.05	0.06	0.33	0.04	0.06	0.13	0
1.32	1.21	1.07	1.1	0.91	1.14	1.2	0.05	0.08	0.3	0.13	0.01	0.19	0.77	0.78	-1
0.94	0.87	0.81	1.07	1.1	1.03	0.88	0.09	0.06	0.07	0.07	0.58	0.23	0.57	0.05	0
0.94	0.89	0.91	1.06	1.23	0.96	0.91	0.05	0.03	0.06	0.02	0	0	0.06	0.3	1
0.72	0.8	0.8	1	1.38	1.1	0.77	0.06	0.08	0.04	0.05	0	0	0.05	0	1
0.93	0.83	0.79	1.03	0.9	0.91	0.85	0.13	0.21	0.12	0.07	0.35	0.97	0.27	0.5	0
1.02	0.97	0.92	0.92	0.99	1.1	0.97	0.08	0.06	0.03	0.05	0.22	0.03	0.02	0.02	0
1	1.11	0.84	0.98	1.07	1.1	0.98	0.02	0.07	0.1	0.14	0.06	0.65	0.07	0.3	0
1.67	1.27	1.22	1.18	1.06	1.13	1.39	0.16	0.14	0.15	0.25	0.26	0.52	0.69	0.21	0
0.94	0.89	0.79	1.08	0.95	1.05	0.88	0.08	0.04	0.03	0.08	0.03	0.02	0.6	0.02	-1
1.37	1.35	1.64	1.17	0.98	0.9	1.45	0.22	0.1	0.19	0.16	0.18	0.48	0.15	0.02	0
1.09	1.32	0.92	0.87	0.94	1.3	1.11	0.07	0.2	0.3	0.2	0.51	0.12	0.04	0.42	0
0.93	0.95	0.84	1.02	1.02	1.13	0.91	0.05	0.1	0.08	0.06	0.93	0.19	0.06	0.02	0
0.89	0.88	0.84	1.09	1.04	1.16	0.87	0.07	0.09	0.1	0.03	0.36	0.15	0.33	0.01	0
1	1.05	0.68	2.08	1.82	1.03	0.91	0.34	0.21	0.4	0.2	0.24	0.02	0.01	0.66	0
1.28	1.26	1.25	0.87	0.67	0.8	1.26	0.05	0.04	0.01	0.01	0	0	0.08	0	-1
0.86	0.88	0.81	0.96	0.86	1.29	0.85	0.03	0.08	0.02	0.03	0.07	0	0	0	0
0.95	1.09	0.97	0.95	1.11	1.09	1	0.03	0.06	0.05	0.08	0	0.72	0.01	0.17	1
0.67	1	0.83	1.08	1.16	0.92	0.83	0.21	0.24	0.09	0.17	0.64	0.17	0.29	0.46	0
0.92	0.87	0.92	0.93	1.18	1.17	0.9	0.07	0.09	0.1	0.03	0	0.92	0.01	0.01	1
0.94	0.97	0.9	1.13	1.24	1.07	0.94	0.16	0.26	0.07	0.03	0.52	0.35	0.6	0.04	0
0.8	0.81	0.83	1.04	1.13	0.98	0.81	0.04	0.11	0.06	0.01	0.19	0.1	0.17	0.01	0
0.83	0.87	0.85	1.01	1.09	1.06	0.85	0.06	0.06	0	0.02	0.1	0.41	0.23	0	0
0.92	0.85	0.86	0.98	1.16	0.84	0.88	0.08	0.04	0.19	0.04	0.01	0.02	0.21	0.71	1
0.71	0.71	0.76	1.21	1.2	0.98	0.73	0.04	0.01	0.05	0.03	0.67	0	0	0	0
0.97	0.96	0.96	0.88	1.12	1.09	0.96	0.01	0.03	0.02	0	0	0.14	0	0	1
0.92	0.9	0.94	1.03	1.13	1.11	0.92	0.06	0.1	0.06	0.02	0.13	0.76	0.12	0.01	0
0.43	0.42	0.54	1.46	0.87	0.68	0.46	0.54	0.13	0.1	0.07	0.07	0.1	0.06	0.04	0

0.58	0.54	0.57	1.69	0.91	0.72	0.56	0.11	0.06	0.04	0.02	0	0.01	0	0	-1
1.08	0.85	0.94	0.99	1.03	0.92	0.95	0.09	0.04	0.05	0.11	0.45	0.03	0.3	0.63	0
0.57	0.77	1.03	0.74	0.53	0.96	0.79	0.24	0.12	0.11	0.23	0.17	0.01	0.22	0.31	0
0.68	0.82	0.77	0.92	1.01	1	0.76	0.08	0.09	0.07	0.07	0.18	0.79	0.24	0.01	0
0.91	0.89	0.94	0.97	1.08	1.02	0.92	0.03	0.08	0.08	0.03	0.04	0.32	0.29	0.1	1
0.9	0.85	0.9	1	1.02	0.99	0.88	0.05	0.03	0.06	0.03	0.44	0.37	0.85	0.06	0
0.91	0.87	0.94	1.04	1.06	0.97	0.91	0.06	0.09	0.03	0.04	0.85	0.18	0.11	0.1	0
0.81	0.87	0.93	1.09	1.13	1	0.87	0.09	0.09	0.03	0.06	0.5	0.07	0.18	0.03	0
0.81	0.87	0.94	1.11	1.07	1.01	0.87	0.05	0.08	0.04	0.06	0.49	0.23	0.04	0.03	0
0.79	0.77	0.81	1.09	1.05	0.96	0.79	0.05	0.06	0.07	0.02	0.37	0.11	0.03	0.01	0
0.83	0.79	0.87	1.01	1.11	1.05	0.83	0.05	0.05	0.05	0.04	0.04	0.22	0.38	0.01	1
0.76	0.71	0.84	1.14	1.13	0.99	0.77	0.12	0.11	0.11	0.06	0.86	0.15	0.14	0.04	0
0.84	0.87	0.93	1.05	1.11	1.05	0.88	0.07	0.06	0.02	0.05	0.21	0.11	0.99	0	0
1.19	0.93	1.01	0.99	1.06	0.94	1.04	0.06	0.1	0.04	0.13	0.29	0.14	0.29	0.28	0
1.02	1.11	1.09	0.94	1.1	1.03	1.07	0.05	0.05	0.02	0.05	0	0.08	0.03	0.22	1
0.87	0.7	0.94	1.12	1.13	0.96	0.84	0.13	0.16	0.09	0.13	0.92	0.18	0.15	0.24	0
1.02	0.9	0.97	0.76	1.36	0.91	0.96	0.1	0.04	0.01	0.06	0	0	0.06	0.17	1
1.04	0.99	0.96	1	1.1	0.97	1	0.04	0.06	0.03	0.04	0.02	0.02	0.29	0.33	1
0.92	0.83	0.85	1.06	1.04	0.95	0.87	0.04	0.03	0.04	0.05	0.51	0.01	0.02	0.09	0
1.1	1.01	0.86	1	1.12	1.22	0.99	0.12	0.1	0.07	0.12	0.18	0.21	0.04	0.05	0
0.94	0.99	0.96	0.89	1.18	1.05	0.96	0.03	0.09	0.29	0.03	0	0.43	0.3	0.63	1
0.96	0.92	0.98	0.88	1.04	1.09	0.95	0.02	0.02	0.02	0.03	0	0.04	0	0	1
1.17	1.26	1.15	1.07	0.84	0.89	1.19	0.1	0.11	0.07	0.06	0.02	0.54	0.05	0	-1
0.9	0.88	0.74	0.99	1.01	1.09	0.84	0.03	0.15	0.03	0.09	0.8	0.42	0.01	0.01	0
0.97	0.85	0.88	1	1.08	1.07	0.9	0.07	0.07	0.1	0.06	0.16	0.88	0.3	0.06	0
0.92	0.83	0.88	0.97	1.13	1.05	0.88	0.03	0.05	0.03	0.04	0	0.06	0.02	0	1
0.68	0.6	0.77	1.23	1.14	1.02	0.68	0.09	0.09	0.07	0.09	0.21	0.09	0.02	0.01	0
0.76	0.76	0.74	1.52	1.34	0.9	0.75	0.17	0.13	0.12	0.01	0.15	0.01	0	0.09	0
1.22	1.29	1.86	1.14	0.96	0.88	1.46	0.21	0.09	0.15	0.35	0.18	0.43	0.14	0.06	0
0.85	1.25	1.23	0.95	0.94	1.01	1.11	0.07	0.07	0.16	0.23	0.82	0.49	0.56	0.56	0
0.9	0.9	0.99	1.01	1.05	1.02	0.93	0.09	0.1	0.04	0.05	0.59	0.73	0.78	0.07	0
0.74	0.81	0.84	0.98	1.09	1.04	0.8	0.03	0.1	0.01	0.05	0.06	0.39	0.02	0	0
1.05	0.88	0.87	1.15	1.16	0.97	0.93	0.08	0.07	0.04	0.1	0.95	0.01	0.02	0.57	0
1	0.89	1.02	1.08	1.22	1.02	0.97	0.11	0.07	0.05	0.07	0.08	0.01	0.41	0.38	0
1.52	1.42	0.97	1	0.88	0.88	1.3	0.11	0.21	0.25	0.29	0.31	0.98	0.41	0.13	0
1.01	1.04	1.02	1	1.16	1.06	1.02	0.06	0.02	0.08	0.02	0	0.06	0.29	0.47	1
0.93	1.01	1.02	0.92	1.1	1.04	0.99	0.02	0.05	0.06	0.05	0	0.16	0.01	0.32	1
0.98	0.97	0.99	0.91	1.1	1.05	0.98	0.03	0.01	0.03	0.01	0	0.03	0	0.01	1
0.71	0.67	0.9	1.23	1.01	1	0.76	0.11	0.03	0.11	0.12	0.01	0.87	0.04	0.07	-1
0.7	0.72	0.86	1	1.27	1.01	0.76	0.06	0.06	0.09	0.09	0	0.01	0.8	0.02	1
1.09	1.06	1.14	0.98	1.04	1.09	1.1	0.06	0.09	0.07	0.04	0.37	0.47	0.1	0.84	0
0.69	0.82	0.92	1.07	1.1	0.98	0.81	0.15	0.02	0.05	0.12	0.73	0.01	0.34	0.09	0
1.16	1.21	1.9	1.34	0.9	0.72	1.42	0.37	0.42	0.27	0.42	0.16	0.55	0.06	0.07	0
1.07	1.07	1.12	1.37	0.79	0.95	1.08	0.16	0.18	0.12	0.03	0	0.23	0.01	0.14	-1
1.01	0.95	0.92	0.91	1.05	1.07	0.96	0.01	0.06	0.03	0.04	0	0.6	0	0.02	1
1.33	1.3	0.97	1.16	0.77	0.8	1.2	0.14	0.1	0.1	0.2	0	0.73	0.01	0.04	-1
0.78	0.76	0.89	1.04	1.01	1.04	0.81	0.22	0.07	0.16	0.07	0.76	0.71	0.98	0.08	0
0.82	0.82	0.8	0.95	1.13	1.06	0.81	0.03	0.05	0.03	0.01	0	0.07	0	0	1
0.91	0.87	0.99	1.02	1.04	0.94	0.92	0.16	0.07	0.1	0.06	0.8	0.17	0.48	0.78	0
1.17	1.2	1.03	1.08	0.96	1.1	1.13	0.04	0.11	0.03	0.09	0.07	0.09	0.65	0.54	0

0.77	0.73	0.87	1.15	1.17	1.07	0.79	0.09	0.05	0.08	0.07	0.77	0.1	0.28	0.01	0
0.86	0.83	0.74	0.88	1.05	0.79	0.81	0.01	0.11	0.09	0.06	0.02	0.02	0.11	0.85	1
0.92	0.83	0.97	0.81	0.95	1.05	0.91	0.16	0.13	0.02	0.07	0.24	0.23	0.06	0.03	0
0.9	0.81	0.98	0.97	1.1	1.12	0.9	0.12	0.05	0.02	0.09	0.09	0.57	0.09	0.01	0
0.84	0.82	0.86	0.92	1.07	1.11	0.84	0.07	0.01	0.04	0.02	0	0.1	0.01	0	1
0.98	0.93	1.08	0.98	1.03	1.11	1	0.05	0.06	0.06	0.07	0.2	0.16	0.03	0.11	0
0.97	0.98	0.98	0.91	1.06	1.1	0.97	0.04	0.05	0.01	0.01	0	0.2	0	0	1
0.95	0.86	1.07	0.97	0.97	1	0.96	0.24	0.13	0.14	0.1	0.98	0.82	0.86	0.71	0
0.73	0.99	0.97	1.2	0.92	0.99	0.9	0.04	0.02	0.09	0.15	0	0.19	0.01	0.41	-1
0.88	1.03	0.92	1	1.16	1.06	0.94	0.07	0.17	0.21	0.08	0.15	0.55	0.62	0.4	0
0.8	0.89	0.77	1.03	1.2	1.15	0.82	0.11	0.07	0.05	0.06	0.04	0.32	0.16	0	1
0.79	0.83	0.82	1.09	1.14	1.14	0.81	0.09	0.09	0.04	0.02	0.44	0.92	0.36	0	0
0.68	0.63	1.01	1.08	1.19	0.84	0.77	0.07	0.13	0.07	0.21	0.16	0.01	0	0.64	0
1.18	1.06	1.24	0.62	1	1.16	1.16	0.04	0.06	0.08	0.09	0	0.03	0	1	1
0.99	1.13	1.06	0.81	1.04	1.12	1.06	0.06	0.04	0.04	0.07	0	0.05	0	0.26	1
0.73	1.17	0.95	1.05	1.13	1.01	0.95	0.1	0.07	0.22	0.22	0.24	0.35	0.77	0.76	0
0.89	0.83	0.86	1.1	1.13	1.04	0.86	0.03	0.04	0.04	0.03	0.25	0.04	0.09	0	0
1.14	1.1	1.17	0.97	0.98	1.16	1.14	0.16	0.07	0.16	0.03	0.9	0.09	0.17	0.79	0
1.1	1.03	0.89	1	1.17	1.21	1	0.09	0.04	0.14	0.11	0.02	0.57	0.06	0.11	1
1.04	1.16	1.07	0.96	0.92	0.91	1.09	0.09	0.13	0.07	0.06	0.64	0.86	0.44	0.02	0
0.91	0.85	0.82	0.96	1.13	1	0.86	0.05	0.13	0.04	0.05	0.05	0.15	0.34	0.02	1
0.93	0.87	0.85	1.15	1.05	1.08	0.89	0.05	0.08	0.02	0.04	0.08	0.6	0.06	0	0
1.02	1.13	1.15	0.95	0.95	1.14	1.1	0.03	0.05	0.02	0.07	0.79	0	0	0.48	0
0.84	0.95	1.04	0.96	1.02	1	0.94	0.11	0.14	0.16	0.1	0.53	0.91	0.66	0.59	0
0.91	0.83	0.92	1.03	1.07	1.01	0.89	0.04	0.05	0.03	0.05	0.3	0.15	0.51	0.02	0
0.76	0.8	1	1.12	1.04	1.01	0.85	0.53	0.12	0.09	0.13	0.76	0.8	0.75	0.15	0
0.69	0.73	0.98	1.07	1.18	1.02	0.8	0.1	0.01	0.11	0.16	0.08	0.03	0.52	0.12	0
0.8	0.77	0.77	1.01	1.18	0.98	0.78	0.04	0.04	0.05	0.02	0	0	0.51	0	1
1	0.74	0.76	0.84	1.02	0.96	0.83	0.07	0.09	0.03	0.15	0.02	0.32	0.04	0.21	1
0.78	0.82	1.13	0.92	1.17	1.07	0.91	0.05	0.07	0.03	0.19	0	0.09	0	0.22	1
0.86	0.86	0.65	1.45	1.23	1.04	0.79	0.21	0.19	0.06	0.12	0.17	0.17	0.02	0.03	0
0.56	0.4	0.61	1.03	1.05	0.9	0.52	0.23	0.12	0.02	0.11	0.88	0.09	0.4	0	0
1.05	1.06	0.96	0.92	1.04	1.13	1.03	0.1	0.08	0.03	0.05	0.12	0.17	0.02	0.05	0
0.82	0.78	0.9	1.02	1.08	1.11	0.83	0.04	0.06	0.01	0.06	0.14	0.51	0.02	0	0
0.89	0.85	1.21	1.08	1.33	1.08	0.98	0.3	0.35	0.07	0.2	0.32	0.28	1	0.49	0
0.9	1.1	1.17	1.17	1.23	1.18	1.06	0.12	0.13	0.13	0.14	0.51	0.68	0.85	0.31	0
0.97	0.78	0.85	1.12	1.27	1.04	0.87	0.08	0.18	0.03	0.1	0.18	0.09	0.15	0.04	0
0.83	0.82	0.94	1.06	1.04	1.1	0.86	0.04	0.02	0.06	0.07	0.26	0.08	0.37	0.01	0
0.95	0.87	0.89	1	1.07	0.94	0.91	0.08	0.05	0.05	0.04	0.2	0.02	0.28	0.46	0
0.66	0.21	1.09	0.59	0.63	0.81	0.65	0.31	0.32	0.36	0.44	0.86	0.52	0.42	0.65	0
0.96	0.83	0.85	1.07	0.96	1.18	0.88	0.16	0.09	0.25	0.07	0.28	0.17	0.54	0.12	0
0.76	0.77	0.77	0.89	0.84	1.28	0.77	0.03	0.06	0.04	0.01	0.17	0	0	0	0
1.41	1.52	1.69	0.67	1.14	1.18	1.54	0.1	0.16	0.09	0.14	0	0.73	0	0.02	1
0.92	0.93	0.81	1.06	1.26	0.99	0.88	0.18	0.18	0.04	0.07	0.17	0.05	0.54	0.08	0
0.9	0.87	0.92	1.07	1.12	1.09	0.9	0.05	0.07	0.04	0.03	0.28	0.63	0.45	0	0
0.67	0.94	0.81	0.9	1.05	1.03	0.8	0.05	0.06	0.1	0.13	0.01	0.68	0.06	0.08	1
0.66	0.65	0.86	0.48	1.01	0.9	0.72	0.16	0.23	0.17	0.12	0.01	0.52	0.02	0.21	1
0.77	0.86	0.97	0.94	0.94	0.91	0.87	0.07	0.12	0.2	0.1	0.98	0.81	0.77	0.74	0
0.85	0.87	0.93	1.01	1.21	1.07	0.88	0.08	0.06	0.12	0.04	0.01	0.11	0.46	0.06	1
0.92	0.87	0.79	1	1.16	1.11	0.86	0.09	0.02	0.08	0.07	0.01	0.29	0.15	0.01	1

1.31	0.86	0.9	1.42	1.59	1.08	1.02	0.4	1.07	0.31	0.25	0.77	0.47	0.29	0.8	0
0.95	0.85	0.96	1	1.1	1.07	0.92	0.04	0.03	0.1	0.06	0.01	0.59	0.26	0.1	1
0.74	0.82	0.79	1	1.04	0.94	0.78	0.07	0.09	0.09	0.04	0.52	0.22	0.38	0.05	0
0.93	0.82	0.81	1	1.09	1.04	0.85	0.12	0.04	0.05	0.07	0.22	0.29	0.59	0.02	0
0.92	1.07	0.78	0.95	1.09	1.2	0.92	0.11	0.13	0.08	0.15	0.16	0.23	0.02	0.04	0
0.85	0.88	0.84	0.98	1.1	1.13	0.86	0.09	0.09	0.03	0.02	0.1	0.61	0.04	0	0
1.2	1.08	1.09	1.2	0.96	1	1.12	0.06	0.03	0.08	0.07	0	0.48	0.01	0.11	-1
0.79	0.77	0.78	0.79	0.98	0.97	0.78	0.1	0.06	0.11	0.01	0.02	0.91	0.07	0.04	1
1.42	1.31	1.19	0.69	1.03	1.14	1.31	0.05	0.06	0.03	0.11	0	0.03	0	0.07	1
1.09	1.07	1.38	0.81	1.02	1.19	1.18	0.01	0.08	0.03	0.17	0	0.02	0	0.9	1
1.07	1.08	1.17	0.85	1.09	1.17	1.11	0.02	0.16	0.06	0.06	0.03	0.46	0	0.32	1
1.02	1	1.03	0.85	1.21	1.2	1.02	0.05	0.08	0.06	0.02	0	0.77	0	0.01	1
0.78	0.99	0.86	1.03	1.03	1.03	0.88	0.08	0.12	0.1	0.11	0.99	0.99	0.99	0.15	0
0.76	0.88	1.1	1.03	1.02	1.09	0.91	0.09	0.08	0.02	0.17	0.79	0.18	0.34	0.15	0
0.82	1.24	1.53	1.06	1.02	1.08	1.2	0.46	0.08	0.07	0.36	0.87	0.36	0.95	0.6	0
0.85	0.87	0.99	1.12	1.3	1.1	0.9	0.14	0.05	0.03	0.08	0.06	0	0.84	0.01	0
1.77	1.76	1.56	0.93	0.82	0.8	1.7	0.06	0.12	0.09	0.12	0.16	0.78	0.06	0	0
0.77	0.77	0.89	0.95	1.11	1.07	0.81	0.11	0.09	0.08	0.07	0.06	0.52	0.18	0.01	0
1.01	1.02	1.1	0.82	0.99	1.11	1.04	0.03	0.05	0	0.05	0	0.01	0	0.1	1
0.85	0.81	0.86	1.06	1.08	1.01	0.84	0.08	0.07	0.07	0.02	0.8	0.28	0.45	0.01	0
0.74	0.82	0.77	1.02	1.09	1.04	0.78	0.05	0.1	0.02	0.04	0.22	0.39	0.55	0	0
1.31	1.32	1.16	0.82	1.09	1	1.26	0.09	0.14	0.17	0.09	0.02	0.49	0.12	0.07	1
0.82	1.01	0.92	1.01	1.17	1.1	0.91	0.04	0.03	0.06	0.09	0	0.11	0.07	0.04	1
1	1.03	1.31	0.69	0.97	1.11	1.12	0.05	0.05	0.08	0.17	0	0.03	0	0.96	1
1.03	0.89	0.92	1.01	1.09	0.98	0.95	0.05	0.14	0.21	0.07	0.27	0.41	0.8	0.85	0
0.86	0.84	0.85	1.04	1.23	1.18	0.85	0.13	0.04	0.04	0.01	0.03	0.18	0.12	0	1
0.81	0.77	0.7	0.89	1.09	0.77	0.76	0.08	0.15	0.15	0.06	0.06	0.04	0.25	0.87	0
0.96	0.9	0.95	1.02	1.13	1.05	0.94	0.06	0.04	0.03	0.03	0.02	0.05	0.35	0.01	1
0.62	1.02	0.9	1.05	1.05	1	0.85	0.15	0.19	0.03	0.2	0.99	0.66	0.57	0.28	0
0.73	0.62	0.63	0.95	1.01	0.96	0.66	0.04	0.07	0.11	0.06	0.23	0.48	0.96	0.02	0
0.95	0.86	1.01	0.86	1.02	1.44	0.94	0.09	0.09	0.16	0.07	0.05	0.01	0	0.01	1
1.48	1.3	1.05	1.37	0.85	0.93	1.28	0.48	0.36	0.19	0.22	0.13	0.74	0.2	0.11	0
0.88	1.37	1.16	1.01	0.94	0.98	1.14	0.21	0.14	0.13	0.25	0.61	0.69	0.86	0.4	0
1	0.98	0.99	0.82	1.05	1.02	0.99	0.14	0.06	0.05	0.01	0.02	0.42	0.07	0.36	1
0.71	0.82	1.03	0.83	1.17	0.93	0.85	0.36	0.42	0.38	0.16	0.27	0.48	0.74	0.76	0
1.15	1.34	1.05	0.9	0.86	1.12	1.18	0.06	0.03	0.15	0.15	0.26	0.02	0.04	0.63	0
1.09	0.99	1.15	1.03	0.93	1.14	1.08	0.05	0.03	0.08	0.08	0.01	0	0.07	0.39	-1
0.97	0.86	0.93	1.12	0.96	0.96	0.92	0.06	0.14	0.04	0.06	0.07	0.96	0.01	0.38	0
1.03	0.97	0.94	1.07	1.04	1.03	0.98	0.03	0.1	0	0.05	0.59	0.88	0.06	0.13	0
0.95	1.02	0.98	0.96	0.98	1.1	0.98	0.08	0.18	0.05	0.03	0.87	0.29	0.04	0.03	0
0.8	0.96	0.83	0.98	0.94	1.01	0.86	0.05	0.05	0.01	0.09	0.42	0.08	0.29	0.04	0
0.91	1.16	1.01	0.89	1.09	1.26	1.02	0.1	0.08	0.14	0.13	0.02	0.09	0.01	0.09	1
0.81	0.93	0.8	0.92	0.99	1.05	0.85	0.05	0.1	0.08	0.07	0.25	0.39	0.04	0.03	0
0.83	0.88	0.84	0.91	1.01	1.09	0.85	0.05	0.08	0.05	0.03	0.08	0.17	0	0	0
0.96	1.08	1	1.03	0.95	1.33	1.01	0.05	0.11	0.11	0.06	0.27	0.01	0	0.01	0
0.88	0.93	0.89	0.84	0.87	0.91	0.9	0.06	0.11	0.22	0.03	0.66	0.73	0.55	0.92	0
0.93	0.7	0.56	1.51	0.96	0.76	0.73	0.34	0.29	0.26	0.19	0.05	0.39	0.02	0.88	-1
0.79	0.9	1.19	0.93	1.12	1.05	0.96	0.43	0.16	0.08	0.2	0.44	0.5	0.67	0.51	0
1.63	1.54	1.27	0.85	0.99	0.89	1.48	0.12	0.07	0.07	0.18	0.1	0.12	0.69	0.01	0
0.87	1.23	0.91	1.05	1.16	1.16	1	0.2	0.22	0.14	0.2	0.47	0.98	0.44	0.33	0

0.86	0.87	1.07	0.95	1.1	1.03	0.93	0.08	0.25	0.13	0.12	0.27	0.65	0.36	0.41	0
1.19	1.04	1.06	1.06	1.19	1.23	1.1	0.05	0.06	0.1	0.08	0.02	0.53	0.03	0.15	1
0.84	0.81	0.85	0.98	1.13	1.04	0.83	0.03	0.05	0.07	0.02	0	0.12	0.16	0.01	1
0.97	0.94	0.9	0.89	1.22	1.18	0.94	0.07	0.1	0.07	0.03	0	0.56	0	0.01	1
1.08	1.12	0.95	0.76	1.01	1.14	1.05	0.06	0.06	0.04	0.09	0	0.03	0	0.2	1
0.71	1	0.82	1.14	0.63	0.78	0.84	0.15	0.09	0.03	0.15	0	0.03	0.01	0.55	-1
1.23	1.15	1.05	1.11	0.76	0.99	1.15	0.1	0.1	0.18	0.09	0	0.09	0.32	0.25	-1
0.98	1.01	0.93	1.18	1.15	0.99	0.98	0.06	0.07	0.07	0.04	0.53	0.03	0.01	0.76	0
0.86	0.83	0.86	0.96	1.09	0.97	0.85	0.06	0.04	0.04	0.02	0.02	0.02	0.91	0.01	1
0.92	1.06	0.9	1.14	1.02	0.94	0.96	0.15	0.14	0.11	0.09	0.28	0.46	0.11	0.82	0
0.88	0.87	0.93	1.18	1.04	1.13	0.89	0.06	0.06	0.03	0.03	0.02	0.07	0.25	0	-1
0.91	0.88	0.77	1.1	0.96	1.17	0.85	0.09	0.13	0.17	0.07	0.12	0.12	0.55	0.04	0
1.62	1.6	1.88	0.97	0.84	0.77	1.7	0.04	0.12	0.15	0.16	0.08	0.5	0.04	0	0
1.12	1.28	1.22	1.02	1.01	1.08	1.21	0.06	0.14	0.25	0.08	0.83	0.62	0.65	0.47	0
1.78	1.8	1	1.07	0.82	0.98	1.53	0.1	0.13	0.12	0.46	0.02	0.16	0.33	0.12	-1
1.12	1.28	1.56	1.2	1.28	1.01	1.32	0.21	0.29	0.14	0.22	0.67	0.21	0.26	0.12	0
1.61	1.45	1.45	1.08	0.82	0.74	1.5	0.02	0.13	0.04	0.09	0.01	0.37	0	0	-1
1.45	1.46	1.72	1.09	0.92	0.91	1.54	0.06	0.03	0.08	0.15	0	0.83	0.02	0	-1
1.36	1.47	1.41	1.01	0.93	0.87	1.41	0.04	0.06	0.06	0.06	0.07	0.32	0.01	0	0
1.15	1.39	1.51	0.98	0.86	0.88	1.35	0.04	0.1	0.08	0.19	0.06	0.77	0.07	0.02	0
1.56	1.6	1.27	1.04	0.83	0.95	1.48	0.13	0.14	0.06	0.18	0.07	0.22	0.34	0.01	0
1.26	1.25	1.3	1.12	1.12	0.99	1.27	0.11	0.15	0.1	0.03	0.98	0.25	0.17	0.01	0
1.16	1.2	1.51	0.91	0.91	0.72	1.29	0.11	0.15	0.24	0.19	0.94	0.27	0.21	0.03	0
1.13	1.39	1.46	1.04	0.93	0.87	1.33	0.04	0.14	0.02	0.17	0.17	0.53	0	0.01	0
1.44	1.3	1.35	1.02	0.93	1.13	1.36	0.02	0.07	0.2	0.07	0.05	0.11	0.27	0.13	-1
0.81	0.91	0.86	1.01	1.07	1.01	0.86	0.04	0.02	0.01	0.05	0.03	0.01	0.91	0.01	1
0.99	0.99	0.97	0.96	0.97	1.04	0.99	0.06	0.11	0.03	0.01	0.9	0.36	0.1	0.07	0
1.01	1.12	0.87	0.9	0.89	1.16	1	0.07	0.11	0.04	0.13	0.82	0.01	0	0.1	0
1.24	1.2	1.29	0.84	0.99	1.34	1.24	0.04	0.07	0.17	0.05	0.01	0.01	0	0.36	1
1.4	1.61	1.6	0.91	0.75	0.94	1.53	0.07	0.1	0.04	0.12	0.04	0.03	0.46	0	-1
1.02	0.98	1	0.6	1.07	1.28	1	0.03	0.02	0.04	0.02	0	0	0	0	1
0.95	0.84	0.87	0.89	0.97	1.14	0.89	0.07	0.08	0.02	0.05	0.18	0.02	0	0	0
0.97	1.02	0.97	0.63	1.07	1.27	0.99	0.03	0.01	0.04	0.03	0	0	0	0	1
1.44	1.56	2.26	0.91	0.68	0.79	1.75	0.03	0.1	0.14	0.44	0	0.26	0.15	0.02	-1
1.48	1.48	1.46	1.11	0.78	0.81	1.47	0.09	0.04	0.08	0.01	0	0.54	0.01	0	-1
1.39	1.02	1.03	1.3	0.84	0.86	1.15	0.03	0.08	0.08	0.21	0	0.69	0	0.09	-1
0.9	0.83	1.27	1.08	0.67	0.77	1	0.23	0.14	0.06	0.24	0.02	0.33	0.07	0.17	-1
1.6	1.42	1.14	1.08	1.09	1.15	1.39	0.06	0.17	0.27	0.23	0.91	0.76	0.65	0.3	0
0.92	0.82	0.59	0.87	0.97	0.75	0.77	0.24	0.15	0.21	0.17	0.53	0.17	0.51	0.87	0
1.24	1.22	0.76	0.88	1.12	1.07	1.07	0.21	0.24	0.05	0.27	0.18	0.73	0.19	0.98	0
1.08	1.31	1.05	0.9	0.96	1.18	1.14	0.09	0.05	0.41	0.14	0.28	0.32	0.23	0.89	0
1.09	1.1	0.89	0.68	1.01	1.07	1.03	0.16	0.23	0.29	0.12	0.06	0.79	0.07	0.84	0
1.03	0.8	0.75	0.92	1.09	0.91	0.86	0.07	0.25	0.06	0.15	0.24	0.3	0.91	0.62	0
0.98	0.88	0.86	1.13	1.11	0.96	0.91	0.15	0.08	0.08	0.07	0.8	0.06	0.15	0.39	0
0.94	0.9	0.87	1.07	1.03	0.97	0.9	0.04	0.03	0.04	0.04	0.22	0.06	0.02	0.11	0
1.07	0.79	0.73	0.91	0.95	0.95	0.86	0.18	0.18	0.35	0.18	0.8	0.99	0.86	0.72	0
0.94	0.89	1.04	0.9	1.12	1.09	0.96	0.03	0.03	0.06	0.07	0	0.35	0	0.08	1
0.82	0.88	0.89	1.09	1.07	1.01	0.87	0.12	0.13	0.06	0.04	0.89	0.47	0.38	0.03	0
0.98	0.97	0.94	0.99	1.11	1.15	0.96	0.03	0.02	0.06	0.02	0	0.24	0	0.01	1
0.93	1.15	1.19	0.88	1.01	1.33	1.09	0.14	0.18	0.42	0.14	0.29	0.22	0.09	0.4	0

0.9	0.97	0.77	1.12	1.22	1.08	0.88	0.02	0.1	0.06	0.1	0.1	0.1	0.32	0.04	0
0.94	0.88	0.92	0.97	1.04	1.13	0.91	0.05	0.03	0.06	0.03	0.07	0.05	0.01	0.01	0
0.74	0.84	0.87	0.99	1.15	1.01	0.82	0.2	0.23	0.11	0.07	0.3	0.37	0.84	0.06	0
0.87	0.9	0.98	1.14	1.04	1.13	0.91	0.16	0.1	0.18	0.06	0.36	0.42	0.99	0.11	0
0.82	0.87	0.87	1.04	1.06	1.07	0.85	0.08	0.05	0.25	0.03	0.73	0.9	0.81	0.2	0
0.73	0.78	0.77	0.76	1.09	0.97	0.76	0.48	0.18	0.08	0.03	0.25	0.33	0.5	0.01	0
0.8	0.75	0.89	1.13	1.07	1.05	0.82	0.19	0.08	0.06	0.07	0.58	0.72	0.52	0.01	0
0.87	0.73	0.9	1.16	1.16	1.13	0.83	0.19	0.11	0.06	0.09	1	0.63	0.76	0.01	0
0.88	0.75	0.75	1.19	1.69	1.45	0.79	0.33	0.4	0.19	0.07	0.1	0.4	0.27	0	0
0.74	0.86	0.66	0.91	1.2	1.4	0.75	0.15	0.07	0.31	0.1	0.01	0.26	0.04	0.03	1
0.96	0.98	0.99	1.05	1.24	0.91	0.98	0.14	0.15	0.19	0.01	0.1	0.05	0.31	0.56	0
0.89	0.83	0.82	1.14	1.16	1.02	0.84	0.06	0.06	0.06	0.04	0.78	0.03	0.05	0.01	0
0.87	0.84	0.86	0.93	1.07	0.91	0.85	0.06	0.06	0.07	0.02	0.02	0.02	0.63	0.26	1
0.9	0.88	0.94	1.05	1.26	0.99	0.91	0.02	0.12	0.05	0.03	0.01	0.01	0.07	0.06	1
0.82	0.86	0.85	1.05	1.15	1.01	0.84	0.04	0.06	0.06	0.02	0.04	0.03	0.36	0.01	1
0.85	0.81	0.89	1.09	1.21	1.02	0.85	0.12	0.05	0.02	0.04	0.13	0	0.37	0	0
1.47	1.32	2.02	0.9	0.73	0.91	1.6	0.07	0.04	0.11	0.37	0	0.03	0.92	0.04	-1
1.09	0.99	1.01	0.73	1.05	1.25	1.03	0.05	0.08	0.03	0.05	0	0.01	0	0	1
1.12	0.94	0.84	1	0.96	1.19	0.97	0.05	0.1	0.07	0.14	0.58	0.02	0.01	0.08	0
1.06	1.08	1.45	0.74	1	1.56	1.2	0.16	0.11	0.24	0.22	0.04	0.01	0	0.13	1
0.87	0.84	0.84	1.01	1.01	1.14	0.85	0.05	0.04	0.07	0.02	0.96	0.03	0.05	0	0
2.03	2	1.67	0.89	1.11	0.79	1.9	0.14	0.27	0.13	0.2	0.2	0.13	0.41	0	0
1.62	1.5	1.16	1.06	0.85	0.72	1.43	0.08	0.19	0.19	0.24	0.08	0.4	0.02	0.02	0
1.61	1.5	0.85	0.94	0.8	0.91	1.32	0.12	0.29	0.21	0.41	0.4	0.62	0.77	0.19	0
1.53	1.02	0.85	0.91	1.11	0.91	1.13	0.13	0.17	0.31	0.35	0.1	0.32	1	0.45	0
1.06	1.13	1.15	0.87	0.8	0.91	1.11	0.09	0.03	0.2	0.05	0.22	0.32	0.74	0.15	0
1.17	1.07	1.1	0.76	0.94	1.03	1.11	0.07	0.1	0.1	0.05	0.02	0.28	0.01	0.27	1
0.71	0.74	0.93	1	0.9	0.73	0.79	0.5	0.24	0.09	0.12	0.73	0.3	0.41	0.54	0
1.12	1.1	1.05	0.9	1.02	1.01	1.09	0.07	0.09	0.07	0.04	0.07	0.92	0.07	0.18	0
1.25	1.17	0.98	0.88	0.99	1.08	1.13	0.05	0.19	0.09	0.14	0.3	0.49	0.01	0.64	0
1.05	0.82	1.11	1.03	1.09	0.98	0.99	0.1	0.26	0.19	0.15	0.69	0.57	0.66	0.92	0
1.16	0.98	1.05	1.11	1.23	1.09	1.06	0.17	0.14	0.17	0.09	0.31	0.29	0.9	0.82	0
1.1	1.08	0.9	1.02	1.08	1.06	1.03	0.13	0.17	0.07	0.12	0.56	0.81	0.67	0.74	0
0.96	1.03	0.88	1.01	1.06	1	0.96	0.08	0.02	0.1	0.07	0.25	0.31	0.94	0.62	0
0.8	0.89	1.02	1.33	1.06	0.95	0.9	0.51	0.15	0.2	0.11	0.34	0.44	0.28	0.75	0
1.02	0.91	0.88	1.02	1.02	0.99	0.93	0.15	0.14	0.08	0.07	0.98	0.73	0.76	0.45	0
1.1	1.03	0.99	0.9	1.14	1.1	1.04	0.04	0.05	0.03	0.06	0	0.4	0	0.15	1
0.83	0.94	0.91	0.97	0.91	0.96	0.89	0.02	0.06	0.03	0.05	0.1	0.23	0.66	0.11	0
0.95	0.8	0.98	0.92	0.93	0.99	0.91	0.11	0.13	0.03	0.1	0.93	0.5	0.38	0.25	0
0.96	0.93	0.94	0.94	1.01	1.03	0.95	0.03	0.03	0.01	0.01	0.01	0.51	0.01	0	1
1.06	0.83	0.83	1	0.96	1	0.91	0.1	0.13	0.13	0.13	0.59	0.67	0.99	0.43	0
0.94	0.92	0.93	1.06	1.1	1.03	0.93	0.06	0.09	0.09	0.01	0.47	0.36	0.64	0.12	0
0.86	1.03	1.18	1.16	1.17	1.14	1.02	0.09	0.15	0.08	0.16	0.94	0.75	0.72	0.33	0
1.11	0.97	0.98	0.9	1.17	1.13	1.02	0.01	0.18	0.15	0.08	0.03	0.79	0.02	0.3	1
0.86	0.87	0.84	1.3	1.24	0.95	0.86	0.17	0.14	0.16	0.02	0.57	0.06	0.04	0.37	0
0.8	0.89	0.97	1.06	1.13	1	0.89	0.09	0.1	0.05	0.09	0.36	0.09	0.35	0.12	0
1	0.96	0.99	0.83	1.09	1.13	0.98	0.03	0.07	0.07	0.02	0	0.51	0	0.03	1
1	0.99	0.91	1.04	1.25	1.12	0.97	0.06	0.1	0.09	0.05	0.01	0.13	0.24	0.06	1
0.97	0.85	1.02	1.07	1.19	1.1	0.95	0.06	0.19	0.1	0.08	0.27	0.48	0.68	0.12	0
0.76	0.75	1.17	0.92	1.16	1.04	0.89	0.23	0.09	0.07	0.24	0.1	0.11	0.43	0.37	0

0.82	0.85	0.93	1.04	1.02	1.02	0.86	0.13	0.14	0.2	0.06	0.85	0.98	0.86	0.27	0
0.92	0.78	0.95	1.28	1.12	1.05	0.88	0.12	0.06	0.07	0.09	0.05	0.19	0.03	0.07	-1
0.7	1.06	0.94	1.02	1.05	1.07	0.9	0.09	0.14	0.15	0.18	0.72	0.85	0.58	0.28	0
0.83	0.93	0.88	0.97	1.06	1.06	0.88	0.03	0.11	0.04	0.05	0.15	0.89	0.03	0.01	0
0.82	0.7	0.92	0.97	1.02	0.98	0.81	0.09	0.07	0.02	0.11	0.37	0.35	0.82	0.06	0
0.98	0.97	1.08	0.88	1.3	1.22	1.01	0.09	0.16	0.12	0.07	0	0.55	0.01	0.06	1
0.76	1.06	0.83	1.07	1.15	1.09	0.89	0.04	0.18	0.12	0.16	0.41	0.63	0.79	0.15	0
0.82	0.82	0.69	1.09	1.12	0.97	0.78	0.04	0.09	0.1	0.07	0.57	0.09	0.08	0.05	0
1	0.91	0.89	1.04	1.05	1.17	0.93	0.05	0.1	0.02	0.06	0.86	0.1	0.01	0	0
0.86	0.76	0.83	1.01	1.16	1.04	0.82	0.12	0.2	0.11	0.05	0.24	0.4	0.72	0.03	0
0.9	0.88	0.87	0.95	1.15	1.14	0.88	0.06	0.06	0.09	0.02	0	0.9	0.02	0.01	1
0.88	0.95	0.85	1.1	1.19	1.16	0.89	0.16	0.13	0.08	0.05	0.41	0.78	0.55	0.01	0
0.76	0.84	0.79	0.95	1.01	1.04	0.8	0.14	0.15	0.05	0.04	0.56	0.76	0.32	0	0
0.82	0.8	0.88	0.88	1.02	1.1	0.84	0.04	0.05	0.09	0.04	0	0.24	0.01	0.01	1
0.81	0.84	0.99	0.98	1.2	1.18	0.88	0.17	0.28	0.18	0.1	0.22	0.9	0.2	0.07	0
0.98	1.12	0.8	0.9	1.23	1.32	0.97	0.17	0.16	0.07	0.16	0.03	0.44	0.01	0.02	1
0.76	0.97	1.01	0.88	1.11	1.29	0.91	0.1	0.15	0.22	0.13	0.04	0.25	0.02	0.06	1
1.17	0.98	1.09	1.08	1.22	1.56	1.08	0.08	0.15	0.47	0.1	0.15	0.22	0.09	0.16	0
0.88	0.79	1.09	1.26	1.7	1.54	0.92	0.29	0.71	0.86	0.16	0.29	0.79	0.57	0.29	0
0.84	0.95	0.9	1.26	1.35	0.83	0.9	0.1	0.11	0.14	0.05	0.3	0	0.01	0.52	0
0.84	0.86	0.78	1.16	1.14	0.99	0.83	0.04	0.05	0.08	0.04	0.63	0.03	0.02	0.03	0
0.85	0.8	0.9	1.04	1.12	1.02	0.85	0.07	0.05	0.05	0.05	0.13	0.04	0.7	0.01	0
0.81	0.8	0.86	1.09	1.17	1	0.82	0.08	0.06	0.06	0.03	0.12	0.01	0.18	0.01	0
0.93	0.85	0.94	0.92	1.18	1.06	0.9	0.01	0.03	0.03	0.05	0	0	0	0.01	1
1.1	1.16	1.05	0.79	1.11	1.14	1.11	0.06	0.06	0.02	0.05	0	0.47	0	0.42	1
0.87	0.9	0.99	0.99	1.17	1.08	0.92	0.05	0.08	0.05	0.06	0.01	0.15	0.07	0.03	1
0.99	1.01	0.86	1.18	1.2	1.02	0.95	0.01	0.09	0.03	0.08	0.64	0.03	0	0.23	0
0.8	0.86	0.77	1	1.06	0.97	0.81	0.17	0.12	0.15	0.05	0.61	0.41	0.8	0.16	0
0.9	0.91	1	0.95	1.12	1.14	0.94	0.05	0.05	0.12	0.06	0	0.82	0.03	0.06	1
1.59	1.5	1.53	0.91	0.79	0.89	1.54	0.05	0.03	0.05	0.05	0.01	0.02	0.64	0	-1
1.44	1.25	1.48	0.92	0.79	0.87	1.39	0.05	0.02	0.04	0.12	0	0.02	0.18	0	-1
0.84	0.73	0.79	1.12	1.14	0.94	0.78	0.07	0.04	0.05	0.06	0.68	0	0.01	0.02	0
1.18	1.04	1.19	1.03	0.92	1.01	1.14	0.1	0.08	0.09	0.09	0.13	0.24	0.71	0.14	0
1.03	1.14	1.04	1.04	1.03	1.05	1.07	0.07	0.07	0.1	0.06	0.88	0.75	0.84	0.82	0
0.83	0.76	1.08	1.04	1.12	0.88	0.89	0.05	0.07	0.07	0.17	0.11	0.01	0.01	0.97	0
1.09	1.16	0.88	1.04	0.89	1.01	1.05	0.19	0.02	0.1	0.15	0.16	0.07	0.77	0.71	0
1	1.06	1	0.71	0.95	1.13	1.02	0.12	0.13	0.11	0.04	0.04	0.11	0.01	0.16	1
0.76	0.84	0.93	1.14	1.19	1.03	0.84	0.1	0.08	0.03	0.08	0.45	0.02	0.15	0.02	0
0.87	0.78	0.79	0.87	1.14	1.19	0.81	0.14	0.11	0.28	0.05	0.03	0.74	0.1	0.08	1
0.86	1.03	0.81	0.99	1.18	0.95	0.9	0.05	0.11	0.17	0.11	0.02	0.08	0.66	0.7	1
0.52	0.58	0.91	0.98	0.93	0.98	0.67	0.15	0.1	0.15	0.21	0.63	0.63	0.99	0.1	0
0.88	0.74	0.69	0.95	1.15	0.86	0.77	0.17	0.09	0.09	0.1	0.1	0.01	0.44	0.32	0
0.66	0.66	0.88	1.16	1.08	1	0.73	0.1	0.08	0.11	0.13	0.23	0.31	0.1	0.05	0
0.81	0.81	0.84	1	1.17	1.02	0.82	0.01	0.07	0.02	0.02	0	0.02	0.27	0	1
0.9	0.97	0.9	0.98	1.15	1.08	0.92	0.07	0.06	0.01	0.04	0.01	0.15	0.05	0	1
0.84	0.8	0.82	1.1	1.23	1.14	0.82	0.09	0.05	0.02	0.02	0.04	0.04	0.48	0	1
0.73	0.86	0.93	1.14	1.14	0.97	0.84	0.19	0.13	0.13	0.1	0.98	0.15	0.25	0.25	0
0.81	0.76	0.75	1.11	1.18	0.95	0.77	0.1	0.05	0.05	0.03	0.22	0	0.06	0.01	0
0.83	0.84	0.88	1.04	1.12	0.97	0.85	0.02	0.04	0.03	0.03	0.02	0	0.01	0.01	1
0.81	0.84	0.94	0.98	1.13	1.06	0.86	0.06	0.07	0.07	0.06	0.02	0.23	0.17	0.02	1

0.92	0.88	1.03	1.1	1.22	1.09	0.94	0.14	0.13	0.09	0.08	0.27	0.21	0.91	0.1	0
1.02	0.98	0.96	0.91	1.21	1.13	0.99	0.02	0.05	0.04	0.03	0	0.07	0	0.01	1
0.93	0.86	1.07	0.96	1.11	1.03	0.95	0.03	0.13	0.03	0.11	0.07	0.34	0.04	0.32	0
0.94	0.85	0.86	0.95	1.14	1.1	0.88	0.09	0.15	0.12	0.05	0.07	0.7	0.11	0.04	0
0.97	0.86	1	1.02	1.17	0.98	0.94	0.15	0.15	0.05	0.08	0.21	0.09	0.67	0.51	0
0.89	0.89	0.9	1.09	1.13	1.01	0.9	0.02	0.04	0.01	0.01	0.22	0.01	0	0	0
0.96	0.85	0.83	1	1.28	1.13	0.88	0.15	0.14	0.08	0.07	0.03	0.17	0.23	0.01	1
1.45	1.01	1.4	0.74	1.05	1.23	1.28	0.17	0.32	0.4	0.24	0.13	0.54	0.07	0.85	0
0.93	0.89	1.06	0.86	0.99	0.92	0.96	0.14	0.08	0.07	0.09	0.16	0.3	0.52	0.59	0
0.9	0.9	0.93	1.03	1.17	1.1	0.91	0.05	0.02	0.02	0.02	0	0.01	0.06	0	1
0.89	0.89	0.91	0.93	1.04	1.11	0.9	0.01	0.03	0.07	0.01	0	0.12	0	0.01	1
0.92	0.89	0.96	0.93	1.13	1.04	0.92	0.04	0.04	0.01	0.04	0	0.03	0.01	0.01	1
0.92	0.96	0.93	1.02	0.96	1.06	0.94	0.06	0.05	0.01	0.02	0.17	0.02	0.31	0	0
0.89	0.88	0.9	1.03	1.01	1.06	0.89	0.06	0.1	0.04	0.01	0.83	0.49	0.47	0	0
0.85	0.85	0.88	1.04	1.14	1.02	0.86	0.04	0.03	0.04	0.02	0.01	0	0.56	0	1
0.83	0.71	0.9	1.13	1.17	1.09	0.82	0.14	0.12	0.06	0.1	0.7	0.36	0.66	0.01	0
1.02	0.92	1.16	0.93	1.01	1.04	1.04	0.11	0.06	0.13	0.12	0.25	0.69	0.27	0.95	0
0.92	0.92	1.1	0.88	1.03	1.08	0.98	0.07	0.05	0.08	0.1	0.01	0.37	0.01	0.26	1
0.99	0.96	0.94	0.92	1.06	1.07	0.97	0.03	0.06	0	0.03	0.01	0.71	0	0	1
0.83	0.79	0.8	1.03	1.11	0.99	0.81	0.06	0.08	0.06	0.02	0.14	0.09	0.52	0.01	0
0.93	1.02	0.93	0.97	1.04	0.87	0.96	0.03	0.08	0.15	0.05	0.14	0.1	0.24	0.37	0
0.96	0.94	0.94	1.06	1.06	1.15	0.95	0.08	0.1	0.07	0.01	0.99	0.25	0.18	0.01	0
0.82	0.87	0.9	1.06	1.06	1.05	0.87	0.04	0.06	0.08	0.04	0.94	0.85	0.87	0.02	0
0.88	0.95	0.86	0.94	1.11	1.14	0.9	0.02	0.09	0.11	0.05	0.01	0.68	0.01	0.02	1
0.81	0.83	0.8	1.13	1.08	1.07	0.82	0.03	0.05	0.02	0.02	0.13	0.96	0.04	0	0
1.07	1.07	1.25	1.02	1.06	1.02	1.13	0.12	0.11	0.05	0.1	0.62	0.6	0.96	0.16	0
1.02	0.94	0.91	0.81	1.09	1.18	0.96	0.1	0.08	0.18	0.06	0.01	0.43	0.02	0.11	1
0.81	0.93	1	1.06	1.07	1.19	0.91	0.13	0.13	0.16	0.1	0.91	0.33	0.3	0.07	0
0.79	0.82	0.93	0.98	0.99	0.95	0.85	0.13	0.04	0.03	0.07	0.91	0.2	0.7	0.09	0
0.99	0.93	1.04	1	0.93	1.03	0.99	0.04	0.1	0.08	0.06	0.27	0.21	0.46	0.46	0
0.95	0.95	0.99	1	1.11	1.12	0.96	0.04	0.11	0.03	0.02	0.11	0.95	0.01	0	0
0.85	0.75	0.84	1.11	1.12	1.02	0.81	0.11	0.18	0.15	0.05	0.97	0.5	0.4	0.08	0
0.79	0.85	0.85	1.18	1.19	1.12	0.83	0.08	0.16	0.1	0.03	0.88	0.52	0.43	0.01	0
0.6	0.81	0.95	0.84	1.08	1.04	0.79	0.28	0.13	0.09	0.18	0.16	0.67	0.28	0.09	0
0.95	0.96	0.9	0.9	0.98	0.96	0.94	0.13	0.13	0.02	0.03	0.45	0.83	0.49	0.26	0
0.9	0.9	0.97	1.05	1.13	1.07	0.92	0.06	0.03	0.12	0.04	0.06	0.37	0.82	0.13	0
0.84	1	0.88	1.19	1.14	0.96	0.9	0.11	0.19	0.01	0.08	0.73	0.16	0.02	0.35	0
0.72	0.67	0.96	0.73	1.07	1	0.78	0.09	0.23	0.18	0.16	0.03	0.68	0.05	0.19	1
1.27	0.9	0.98	0.9	0.78	1	1.05	0.07	0.08	0.09	0.2	0.06	0.02	0.15	0.71	0
3.17	3.14	2.61	0.67	0.46	0.59	2.97	0.1	0.15	0.1	0.31	0.06	0.28	0.32	0	0
3.17	3.14	2.61	0.67	0.46	0.59	2.97	0.1	0.15	0.1	0.31	0.06	0.28	0.32	0	0
1.64	1.55	1.91	1	0.83	0.8	1.7	0.04	0.05	0.06	0.19	0	0.51	0	0	-1
1.6	1.6	1.52	0.9	0.76	0.83	1.57	0.09	0.11	0.07	0.05	0.09	0.38	0.31	0	0
1.05	1.1	1.3	0.97	0.94	0.94	1.15	0.11	0.13	0.06	0.13	0.75	0.93	0.64	0.07	0
0.85	0.96	0.98	0.84	0.89	0.93	0.93	0.06	0.04	0.06	0.07	0.17	0.42	0.1	0.94	0
1.04	1.02	0.95	0.81	1.06	1.05	1	0.08	0.08	0.1	0.04	0.01	0.93	0.02	0.49	1
0.89	1.04	0.86	0.97	0.92	0.99	0.93	0.11	0.11	0.18	0.1	0.6	0.55	0.81	0.61	0
0.96	1.02	0.97	0.96	1.11	1.1	0.98	0.08	0.08	0.07	0.04	0.04	0.96	0.06	0.05	1
0.87	0.91	0.86	1.11	0.96	1.01	0.88	0.06	0.05	0.08	0.03	0.01	0.35	0.1	0.07	-1
1.08	0.91	0.95	0.94	1.09	1.13	0.98	0.07	0.08	0.07	0.09	0.03	0.5	0.01	0.08	1

0.99	0.92	0.95	0.99	1.12	1.11	0.95	0.03	0.01	0.03	0.04	0	0.4	0.01	0.01	1
0.96	0.93	0.92	1.02	1.21	1.1	0.93	0.04	0.07	0.06	0.02	0	0.09	0.08	0.01	1
0.98	0.81	0.92	0.86	1.15	1.14	0.9	0.08	0.04	0.12	0.09	0	0.84	0.01	0.05	1
0.85	0.84	0.77	1.13	1.2	1.1	0.82	0.11	0.15	0.05	0.04	0.5	0.34	0.7	0	0
1.17	1.52	0.86	0.99	1.47	1.18	1.18	0.23	0.42	0.16	0.33	0.09	0.31	0.27	0.99	0
1.05	1.17	1	0.87	0.82	1.05	1.07	0.12	0.11	0.08	0.08	0.6	0.03	0.08	0.72	0
0.95	0.95	1.06	0.83	0.78	1.14	0.99	0.04	0.06	0.04	0.06	0.21	0	0	0.02	0
0.95	0.87	0.77	1.05	1	1.18	0.86	0.05	0.12	0.09	0.09	0.46	0.08	0.06	0.01	0
1.1	1.01	1.08	0.93	1.02	1.13	1.06	0.04	0.04	0.06	0.05	0.02	0.03	0	0.21	1
0.94	0.96	0.92	0.81	1.05	1.14	0.94	0.03	0.02	0.01	0.02	0	0	0	0	1
0.92	1.3	0.5	0.73	1.03	0.67	0.91	0.35	0.32	0.23	0.4	0.24	0.16	0.82	0.42	0
1.07	1.19	0.96	0.98	1.03	0.98	1.07	0.02	0.04	0.06	0.11	0.07	0.25	0.99	0.28	0
1.01	0.95	1.1	1.07	1.26	1.08	1.02	0.07	0.17	0.08	0.08	0.08	0.14	0.94	0.44	0
0.91	1.55	0.93	0.86	0.96	1.26	1.13	0.1	0.17	0.22	0.36	0.33	0.09	0.02	0.62	0
1.01	0.94	0.84	1.01	1.24	1.05	0.93	0.06	0.12	0.1	0.09	0.02	0.08	0.54	0.19	1
0.91	0.92	0.95	0.99	1.03	1.06	0.93	0.07	0.03	0.11	0.02	0.29	0.69	0.36	0.11	0
0.96	1	0.95	0.85	1.09	1.18	0.97	0.04	0.07	0.01	0.02	0	0.07	0	0	1
0.86	0.99	0.91	1.03	1.13	1.14	0.92	0.07	0.08	0.12	0.07	0.12	0.85	0.17	0.05	0
0.68	0.67	0.75	1.07	1.11	1.04	0.7	0.04	0.07	0.04	0.04	0.28	0.18	0.47	0	0
0.88	0.82	0.9	0.98	1.11	1.08	0.87	0.04	0	0.01	0.04	0	0.01	0.01	0	1
1.06	0.94	1.14	0.86	1.01	1.17	1.05	0.06	0.08	0.06	0.1	0.02	0.04	0	0.17	1
1.14	1.13	0.88	0.8	0.98	0.98	1.05	0.13	0.1	0.13	0.15	0.06	0.94	0.13	0.56	0
1.01	0.94	0.97	1.04	1.25	1.06	0.97	0.09	0.11	0.07	0.03	0.02	0.05	0.74	0.1	1
0.93	1.03	0.9	0.87	1.2	1.05	0.95	0.07	0.13	0.1	0.07	0	0.15	0.04	0.25	1
0.97	0.91	0.99	0.96	1.22	1.08	0.96	0.07	0.21	0.06	0.04	0.06	0.34	0.07	0.04	0
1.04	1.05	0.8	0.9	1.1	1.11	0.96	0.08	0.04	0.07	0.14	0	0.78	0.01	0.2	1
0.97	0.92	0.99	0.92	0.99	1.1	0.96	0.03	0.07	0.07	0.04	0.14	0.09	0	0.03	0
0.85	0.91	1.04	0.88	1.17	1.15	0.93	0.05	0.04	0.08	0.1	0	0.62	0	0.04	1
0.99	0.87	0.89	0.83	1.1	1.13	0.92	0.06	0.1	0.08	0.06	0	0.63	0	0.02	1
0.92	0.76	0.84	0.97	1.19	1.07	0.84	0.29	0.21	0.09	0.08	0.25	0.39	0.6	0.03	0
0.67	0.92	0.83	0.85	1.12	1.11	0.81	0.16	0.12	0.11	0.13	0.03	0.89	0.06	0.03	1
0.9	0.83	0.71	1.01	1.31	1.16	0.81	0.08	0.15	0.07	0.1	0.01	0.17	0.05	0.01	1
0.94	0.86	0.88	1.08	1.08	0.98	0.89	0.01	0.04	0.05	0.04	0.96	0.03	0.01	0.08	0
0.75	0.86	0.9	1.06	0.98	1.1	0.84	0.19	0.15	0.1	0.08	0.57	0.3	0.74	0.02	0
0.9	0.86	0.89	1.3	1.41	1.42	0.88	0.17	0.16	0.13	0.02	0.39	0.93	0.36	0	0
1.04	1.13	1.19	0.96	0.93	0.96	1.12	0.08	0.12	0.15	0.08	0.75	0.75	0.92	0.18	0
1.28	1.25	1.05	1.17	1.02	1.21	1.19	0.15	0.09	0.15	0.12	0.15	0.1	0.74	0.92	0
1.02	0.94	1.09	1.08	0.95	1.05	1.02	0.12	0.06	0.11	0.07	0.11	0.18	0.78	0.68	0
0.89	0.8	1.07	1.15	1	1.01	0.92	0.12	0.05	0.05	0.14	0.06	0.81	0.12	0.37	0
0.99	0.94	0.99	1.13	1.09	1.12	0.97	0.06	0.09	0.08	0.03	0.43	0.59	0.9	0.04	0
0.78	1.17	0.93	1.1	1.12	1.14	0.96	0.12	0.09	0.07	0.2	0.78	0.83	0.66	0.22	0
1.03	1.08	1.1	0.95	0.91	1.03	1.07	0.07	0.02	0.05	0.04	0.28	0.01	0.14	0.33	0
0.99	1.09	1.12	0.96	0.93	1.03	1.07	0.05	0.02	0.06	0.07	0.32	0.02	0.15	0.46	0
0.93	0.93	0.9	1	0.96	1.04	0.92	0.02	0.05	0.01	0.02	0.25	0.04	0.04	0	0
0.76	1.02	0.96	0.97	0.9	0.98	0.91	0.05	0.03	0.02	0.14	0.04	0.01	0.8	0.45	-1
1.41	1.15	1.36	1.08	0.87	0.86	1.31	0.04	0.05	0.06	0.14	0	0.89	0	0.01	-1
1.18	1.22	1.29	1.04	0.92	0.84	1.23	0.05	0.06	0.05	0.06	0.02	0.14	0	0	-1
1.25	1.21	1.23	1.08	0.94	0.84	1.23	0.05	0.1	0.06	0.02	0.05	0.23	0	0	-1
1.09	1.01	1.19	1.28	0.89	0.82	1.1	0.04	0.05	0.03	0.09	0	0.07	0	0.01	-1
1.17	1.17	1.15	1.08	0.91	0.91	1.16	0.04	0.02	0.04	0.02	0	0.81	0	0	-1

1.15	1.1	0.94	1.02	0.94	0.93	1.06	0.03	0.03	0.03	0.11	0	0.47	0.01	0.1	-1
1.15	1.09	1.03	1.03	1.02	1.03	1.09	0.11	0.05	0.11	0.06	0.86	0.79	0.95	0.48	0
1.03	1.09	1.09	0.96	0.95	1.02	1.07	0.05	0.05	0.05	0.04	0.84	0.11	0.16	0.26	0
1.1	0.89	0.67	0.82	0.83	0.85	0.89	0.36	0.2	0.4	0.22	0.97	0.92	0.92	0.9	0
0.97	1.01	1.02	1.01	1.12	1.02	1	0.04	0.07	0	0.03	0.04	0.06	0.81	0.22	1
1.01	1.02	0.94	0.95	0.97	1.02	0.99	0.07	0.1	0.06	0.04	0.76	0.56	0.3	0.55	0
1.06	0.95	1	1.18	1.02	1.05	1	0.17	0.15	0.11	0.05	0.21	0.82	0.28	0.54	0
0.89	0.98	1.04	0.98	1	1.02	0.97	0.04	0.05	0.05	0.08	0.55	0.57	0.25	0.35	0
0.97	1.1	0.94	1.11	0.96	1.07	1	0.11	0.03	0.12	0.09	0.04	0.14	0.63	0.49	-1
0.96	1	1.08	0.89	1.07	1.08	1.01	0.04	0.02	0.05	0.06	0	0.71	0	0.23	1
0.83	1.04	0.93	0.92	1.09	1.03	0.93	0.02	0.09	0.02	0.1	0.01	0.4	0	0.17	1
0.83	0.87	0.86	0.95	0.99	0.96	0.85	0.02	0.05	0.01	0.02	0.21	0.47	0.38	0	0
0.8	0.89	0.98	1.1	1.02	1.01	0.89	0.11	0.02	0.1	0.09	0.19	0.79	0.29	0.21	0
1.02	0.95	1.02	0.83	1.07	1.15	0.99	0.05	0.05	0.05	0.04	0	0.07	0	0.02	1
0.92	0.89	0.95	0.94	1.08	1.06	0.92	0.03	0.02	0.04	0.03	0	0.54	0.01	0.01	1
0.94	0.91	0.95	0.97	1.1	1.09	0.93	0.05	0.05	0.04	0.02	0.01	0.82	0.02	0	1
1.05	0.99	0.94	0.9	1.14	1.17	0.99	0.11	0.09	0.07	0.06	0.02	0.57	0.02	0.02	1
0.78	0.94	0.9	0.91	1.09	1.05	0.88	0.06	0.07	0.05	0.08	0.01	0.44	0.02	0.04	1
1	0.93	0.94	0.83	1.22	1.16	0.96	0.02	0.05	0.01	0.03	0	0.08	0	0	1
0.94	0.85	0.99	1.05	1.07	1.13	0.93	0.06	0.14	0.08	0.07	0.87	0.53	0.21	0.03	0
0.84	0.9	0.89	1.05	1.22	1.07	0.87	0.04	0.11	0.03	0.03	0.03	0.08	0.54	0	1
0.9	0.85	0.86	1.02	1.11	1.08	0.87	0.02	0.05	0.05	0.03	0.01	0.39	0.08	0	1
0.96	0.89	1	0.87	1.15	1.18	0.95	0.02	0.07	0.04	0.06	0	0.51	0	0	1
0.74	0.84	0.82	1.14	0.95	0.99	0.8	0.08	0.01	0.03	0.05	0	0.07	0.03	0.01	-1
0.92	0.97	0.86	1.05	0.97	1.14	0.92	0.2	0.07	0.25	0.05	0.46	0.23	0.6	0.2	0
0.96	0.83	0.94	0.95	1.16	1.16	0.91	0.06	0.1	0.07	0.07	0.01	0.99	0.01	0.01	1
0.68	0.72	0.77	0.97	0.97	0.95	0.72	0.09	0.12	0.03	0.04	0.94	0.84	0.73	0	0
0.78	0.81	0.95	0.98	1.14	0.98	0.84	0.12	0.03	0.06	0.09	0.04	0.01	0.95	0.09	1
0.91	0.84	0.84	0.95	1.2	1.08	0.86	0.02	0.04	0.03	0.04	0	0.01	0	0	1
0.91	0.76	0.79	0.95	1.02	0.88	0.82	0.22	0.21	0.2	0.08	0.66	0.44	0.7	0.64	0
0.91	0.81	0.93	1.02	1.11	1.08	0.88	0.09	0.09	0.05	0.07	0.22	0.66	0.36	0.02	0
0.97	1.01	0.9	0.96	0.98	1.1	0.96	0.07	0.07	0.04	0.05	0.7	0.04	0.02	0.02	0
1.05	1.32	0.91	0.98	0.83	0.87	1.1	0.07	0.03	0.13	0.21	0.01	0.6	0.19	0.18	-1
0.99	1.1	2.22	1.57	1.34	1.8	1.44	0.97	0.7	1.28	0.68	0.71	0.56	0.8	0.68	0
0.89	1	0.81	1.11	1.08	1	0.9	0.04	0.08	0.06	0.09	0.56	0.21	0.03	0.17	0
0.89	0.8	0.85	1.16	1.16	0.99	0.85	0.03	0.12	0.05	0.05	0.94	0.09	0	0.02	0
0.8	0.82	0.89	1.09	1.06	1.01	0.84	0.08	0.09	0.09	0.05	0.58	0.54	0.26	0.04	0
0.89	0.96	0.84	0.87	1.01	1.11	0.9	0.07	0.05	0.18	0.06	0.02	0.32	0.06	0.12	1
1.01	1.13	0.86	0.91	1.21	1.05	1	0.07	0.11	0.04	0.14	0	0.06	0.02	0.55	1
0.97	1	1.05	0.87	1.09	1.17	1.01	0.14	0.06	0.06	0.04	0.03	0.16	0.02	0.02	1
0.7	0.86	0.97	1.05	1.16	1.14	0.84	0.07	0.23	0.12	0.13	0.39	0.94	0.23	0.04	0
0.96	1.05	1.05	1.05	1.13	1.04	1.02	0.09	0.08	0.07	0.05	0.23	0.19	0.89	0.66	0
1.03	0.92	1.03	0.99	0.93	1.03	0.99	0.08	0.03	0.01	0.06	0.25	0.01	0.42	0.41	0
1.01	0.92	1.08	1.09	0.94	1.03	1	0.06	0.05	0.04	0.08	0.01	0.03	0.18	0.64	-1
1.02	0.9	0.96	1.1	0.87	1.09	0.96	0.02	0.02	0.04	0.06	0	0	0.56	0.04	-1
0.89	0.89	0.92	1.1	0.92	1.03	0.9	0.03	0.06	0.03	0.02	0	0.04	0.02	0	-1
1.06	1.07	1.34	1.07	0.89	0.91	1.16	0.02	0.06	0.05	0.16	0	0.66	0	0.06	-1
0.94	1.03	1.03	1	0.97	0.99	1	0.05	0.01	0.04	0.05	0.27	0.34	0.79	0.78	0
0.99	0.9	1.07	1.06	0.95	1.01	0.99	0.04	0.09	0.03	0.08	0.07	0.4	0.09	0.74	0
1.15	0.98	0.71	1.07	1.05	0.99	0.95	0.05	0.11	0.14	0.22	0.76	0.54	0.32	0.79	0

0.94	1.03	0.99	1.03	0.98	1.07	0.98	0.08	0.1	0.08	0.04	0.39	0.23	0.55	0.18	0
0.78	0.77	0.83	1.02	1.08	1.05	0.8	0.03	0.02	0.01	0.03	0.03	0.2	0.14	0	1
0.95	0.98	1	0.84	1.2	1.09	0.98	0.07	0.03	0.05	0.03	0	0.02	0	0.03	1
0.98	0.94	0.84	1.11	1.02	1.04	0.92	0.12	0.09	0.1	0.07	0.27	0.85	0.42	0.18	0
0.77	0.6	0.94	1.02	0.73	0.97	0.77	0.13	0.11	0.16	0.17	0.01	0.06	0.65	0.2	-1
0.62	0.71	0.93	0.9	0.84	1.01	0.76	0.13	0.14	0.24	0.16	0.59	0.29	0.44	0.2	0
0.92	0.89	0.89	1.12	1.19	0.66	0.9	0.04	0.07	0.19	0.02	0.14	0	0	0.1	0
0.78	0.86	0.81	0.95	1.2	1.03	0.82	0.07	0.04	0.02	0.04	0	0	0.13	0	1
1.15	1.53	1.28	0.94	1.17	1.38	1.32	0.16	0.1	0.19	0.19	0.05	0.12	0.02	0.7	0
0.73	1.07	0.98	1.08	0.97	1	0.93	0.06	0.13	0.04	0.17	0.15	0.72	0.07	0.53	0
0.93	1.03	0.9	1.11	0.84	1.39	0.96	0.05	0.1	0.54	0.07	0	0.09	0.32	0.24	-1
1.09	1.07	1.01	1.11	0.91	1	1.05	0.04	0.1	0.06	0.04	0.01	0.26	0.03	0.25	-1
1.33	1.08	1.12	1.34	1.28	1.11	1.18	0.07	0.2	0.03	0.13	0.61	0.21	0	0.45	0
1.11	0.89	0.89	1.17	0.8	0.99	0.96	0.06	0.01	0.14	0.13	0	0.04	0.07	0.8	-1
0.97	0.85	0.61	1.02	0.87	1.04	0.81	0.26	0.21	0.14	0.18	0.39	0.28	0.91	0.15	0
1.12	1.06	1.08	1.13	1.06	1.12	1.09	0.12	0.09	0.19	0.03	0.41	0.58	0.99	0.76	0
0.88	0.88	0.91	1.06	0.99	0.95	0.89	0.02	0.06	0.03	0.01	0.05	0.3	0	0.05	0
0.8	0.75	0.84	1.16	0.74	0.93	0.79	0.07	0.03	0.11	0.04	0	0.02	0.02	0.11	-1
0.78	0.78	0.84	1.23	0.73	0.97	0.8	0.09	0.03	0.04	0.03	0	0	0.01	0	-1
1.05	0.91	0.85	1.2	0.95	0.85	0.94	0.1	0.04	0.02	0.1	0	0.01	0	0.2	-1
0.89	0.94	0.78	1.13	0.89	0.96	0.87	0.11	0.09	0.13	0.09	0.01	0.45	0.12	0.38	-1
0.83	0.68	0.73	1.16	0.94	1.02	0.74	0.08	0.11	0.06	0.07	0.02	0.32	0.07	0.01	-1
0.91	0.88	0.93	1.09	0.86	0.89	0.9	0.11	0.1	0.01	0.03	0.02	0.59	0.03	0.5	-1
0.73	0.94	0.72	1.06	0.85	0.9	0.79	0.09	0.13	0.17	0.12	0.04	0.71	0.15	0.44	-1
1.06	0.97	1.06	1.17	1.04	1.09	1.03	0.1	0.13	0.12	0.05	0.18	0.67	0.36	0.49	0
0.82	0.93	1.12	0.96	0.81	0.86	0.96	0.08	0.1	0.09	0.15	0.05	0.49	0.19	0.41	0
0.96	0.98	1.1	1.06	0.86	1.01	1.01	0.1	0.07	0.08	0.08	0.02	0.04	0.51	0.92	-1
0.97	0.98	1.1	1.03	0.78	0.99	1.02	0.12	0.15	0.11	0.08	0.04	0.1	0.68	0.75	-1
1.13	0.98	0.91	1.15	0.87	0.94	1.01	0.07	0.08	0.11	0.11	0	0.38	0.03	0.52	-1
0.93	0.84	1.02	1.12	0.82	0.86	0.93	0.11	0.07	0.08	0.09	0	0.58	0.02	0.34	-1
2.16	0.91	1.09	1.52	0.97	1.18	1.39	0.23	0.22	0.24	0.68	0.01	0.26	0.11	0.65	-1
0.51	0.44	0.71	1.45	0.52	1.13	0.55	0.17	0.23	0.16	0.14	0	0.01	0.05	0.01	-1
1.04	0.96	0.99	1.17	0.97	0.93	1	0.07	0.07	0.09	0.04	0.01	0.49	0.01	0.29	-1
0.7	0.79	0.89	1.25	0.92	1.14	0.8	0.17	0.1	0.02	0.09	0.02	0.01	0.35	0	-1
1.11	1.14	1.02	1.18	0.92	0.94	1.09	0.07	0.02	0.06	0.06	0	0.62	0	0.04	-1
0.86	0.82	1.03	1.17	1.06	0.64	0.9	0.18	0.62	0.37	0.11	0.74	0.36	0.05	0.31	0
0.86	1	0.96	1.12	0.97	0.98	0.94	0.1	0.11	0.07	0.07	0.08	0.81	0.11	0.49	0
0.82	0.86	0.94	1.25	0.75	1.03	0.87	0.1	0.06	0.04	0.06	0	0	0.01	0.03	-1
0.93	0.97	1.09	1.19	1	0.97	1	0.13	0.06	0.07	0.08	0.04	0.48	0.04	0.67	-1
0.9	1.04	0.99	1.2	1.01	0.95	0.98	0.12	0.05	0.06	0.07	0.02	0.23	0.02	0.71	-1
0.55	0.65	0.54	1.58	0.72	0.83	0.58	0.36	0.16	0.07	0.06	0	0.33	0.02	0.01	-1
0.88	0.98	0.89	1.23	0.94	1.18	0.92	0.12	0.18	0.07	0.05	0.04	0.08	0.56	0.01	-1
0.71	0.94	0.84	1.17	0.89	1.2	0.83	0.13	0.06	0.18	0.11	0.01	0.02	0.87	0.04	-1
0.96	1.01	1.01	1.11	0.95	0.96	1	0.07	0.12	0.13	0.03	0.06	0.95	0.09	0.61	0
1.01	1.06	1.01	1.19	1.01	1.06	1.03	0.05	0.12	0.14	0.03	0.03	0.67	0.14	0.74	-1
0.93	1.11	0.81	1.31	1.18	0.99	0.95	0.23	0.16	0.11	0.15	0.39	0.14	0.08	0.76	0
0.51	0.7	0.71	1.17	0.89	0.83	0.64	0.04	0.09	0.09	0.11	0	0.45	0	0.07	-1
0.54	0.77	0.3	1.23	1.26	0.73	0.53	0.06	0.14	0.45	0.23	0.68	0.07	0.07	0.53	0
0.72	0.62	0.68	1.43	1.05	0.86	0.67	0.27	0.09	0.1	0.05	0.04	0.05	0.02	0.04	-1
0.94	0.83	0.85	1.2	1.06	0.95	0.87	0.27	0.07	0.01	0.06	0.34	0.04	0.17	0.09	0

0.84	0.79	0.87	1.03	0.98	1.08	0.83	0.06	0.06	0.06	0.04	0.34	0.07	0.26	0	0
0.76	0.68	0.81	1.3	1.15	0.95	0.75	0.09	0.03	0.03	0.07	0.02	0	0	0.01	-1
0.96	1.17	0.8	1.38	1.05	0.86	0.98	0.12	0.19	0.15	0.19	0.02	0.22	0	0.46	-1
1.03	0.86	0.87	1.38	1.11	0.98	0.92	0.22	0.11	0.03	0.1	0.08	0.12	0.03	0.33	0
0.91	0.81	0.88	1.2	1.11	1.07	0.87	0.1	0.03	0	0.05	0.14	0.06	0.07	0	0
0.77	0.69	0.72	1.37	1.18	0.69	0.73	0.1	0.17	0.23	0.04	0.11	0.02	0	0.79	0
0.63	0.73	0.69	1.21	1.12	0.89	0.68	0.21	0.18	0.04	0.05	0.57	0.08	0.05	0.01	0
0.78	0.81	0.86	1.38	1.04	0.84	0.82	0.13	0.08	0.03	0.04	0	0.01	0	0.59	-1
0.95	0.98	0.82	0.9	1.01	1.02	0.92	0.1	0.01	0.04	0.08	0.07	0.76	0.12	0.14	0
0.82	0.67	0.8	1.62	0.87	1.04	0.76	0.14	0.08	0.03	0.08	0	0.02	0	0.01	-1
0.68	0.65	0.75	1.26	1.09	0.85	0.69	0.15	0.15	0.15	0.05	0.16	0.09	0.02	0.17	0
0.89	0.82	0.72	1.36	1.05	0.98	0.81	0.19	0.04	0.1	0.09	0.02	0.22	0.02	0.09	-1
0.94	0.96	0.77	1.14	0.9	0.84	0.89	0.14	0.07	0.1	0.1	0.03	0.35	0.03	0.56	-1
0.78	0.74	0.89	1.36	1.04	0.97	0.81	0.14	0.06	0.01	0.08	0.01	0.1	0.01	0.02	-1
0.79	0.79	0.96	1.31	1.07	0.92	0.85	0.26	0.05	0.01	0.1	0.11	0	0.05	0.27	0
0.71	0.69	0.86	1.59	1.08	1.07	0.75	0.19	0.04	0.12	0.1	0	0.79	0.01	0.02	-1
0.89	0.97	1	0.96	1.09	1.12	0.95	0.03	0.07	0.06	0.06	0.02	0.54	0.01	0.02	1
1	1.03	1	1.06	1.09	1.05	1.01	0.06	0.06	0.06	0.02	0.51	0.37	0.77	0.33	0
1.01	0.95	0.99	0.93	1.03	1.03	0.98	0.06	0.03	0.13	0.03	0.03	0.97	0.22	0.59	1
1.04	0.96	1.05	1.03	1.11	1.06	1.01	0.07	0.06	0.11	0.05	0.13	0.53	0.6	0.53	0
0.93	0.89	0.9	1.12	1.01	1	0.91	0.09	0.02	0.07	0.02	0.04	0.82	0.1	0.1	-1
1.09	0.98	1.03	1.09	1.18	1.14	1.04	0.1	0.05	0.13	0.05	0.18	0.64	0.58	0.25	0
1	0.93	1.03	0.93	1.03	1.11	0.99	0.12	0.11	0.33	0.05	0.29	0.66	0.36	0.56	0
1.06	0.94	1.02	0.97	1.13	1.14	1.01	0.06	0.11	0.06	0.06	0.04	0.87	0.01	0.06	1
1.08	0.98	1.02	0.91	1.12	1.17	1.03	0.08	0.09	0.01	0.05	0.01	0.43	0	0.01	1
0.75	1.07	0.96	1.03	1.12	1.06	0.93	0.06	0.1	0.08	0.16	0.19	0.48	0.56	0.26	0
0.99	0.89	0.8	0.95	1.04	1.02	0.89	0.1	0.12	0.07	0.09	0.29	0.82	0.34	0.12	0
0.93	0.8	0.97	1	1.07	1.09	0.9	0.01	0.06	0.01	0.08	0.11	0.54	0	0.02	0
0.82	0.89	0.78	1.07	1.16	1.03	0.83	0.12	0.14	0.1	0.06	0.34	0.21	0.62	0.04	0
0.84	0.85	0.76	1.08	1.09	1.03	0.82	0.03	0.07	0.05	0.05	0.94	0.29	0.13	0.01	0
0.87	0.88	1.04	1.1	1.04	0.9	0.93	0.05	0.03	0.03	0.09	0.11	0	0	0.64	0
0.83	0.8	0.76	1.45	1.28	0.86	0.79	0.29	0.06	0.11	0.03	0.3	0	0.02	0.36	0
0.93	0.8	0.74	1.18	1.16	1.05	0.83	0.05	0.03	0.05	0.09	0.5	0.01	0.02	0.02	0
1.16	1.11	1.15	0.97	0.87	0.9	1.14	0.1	0.11	0.09	0.03	0.25	0.7	0.43	0.01	0
1.2	1.2	1	1.04	0.85	1.02	1.14	0.05	0.17	0.19	0.11	0.08	0.26	0.89	0.43	0
0.72	0.92	1	0.88	0.87	0.91	0.88	0.07	0.11	0.08	0.14	0.91	0.64	0.6	0.73	0
1.22	1.23	0.94	1.32	1.39	1.24	1.13	0.22	0.38	0.09	0.16	0.78	0.56	0.58	0.37	0
0.94	0.8	0.96	1.16	1.08	1.24	0.9	0.25	0.23	0.23	0.09	0.63	0.39	0.69	0.08	0
0.97	0.86	0.93	1.02	1.1	1.04	0.92	0.08	0.06	0.07	0.06	0.18	0.27	0.79	0.09	0
1.04	0.9	2.1	1.07	1.58	0.76	1.35	0.35	0.99	0.29	0.66	0.37	0.23	0.27	0.23	0
0.93	0.9	0.95	0.87	1.14	1.1	0.93	0.03	0.03	0.01	0.02	0	0.15	0	0	1
0.95	0.9	0.93	0.88	1.15	1.09	0.93	0.01	0.03	0.02	0.02	0	0.02	0	0	1
0.94	1.03	0.92	0.91	1.22	1.01	0.96	0.1	0.02	0.09	0.06	0	0	0.24	0.49	1
0.87	0.84	0.85	1	1.08	1.03	0.85	0.03	0.05	0.03	0.02	0.03	0.18	0.32	0	1
0.88	0.73	0.87	0.96	1.14	1.06	0.83	0.06	0.08	0.03	0.09	0.01	0.17	0.06	0.01	1
0.88	0.87	0.69	1.22	1.42	0.92	0.81	0.06	0.03	0.16	0.11	0	0	0.02	0.38	1
0.69	0.66	0.6	1.25	1.48	0.86	0.65	0.08	0.06	0.04	0.05	0	0	0	0	1
0.97	0.93	0.86	0.86	1.08	1.07	0.92	0.04	0.04	0.01	0.06	0	0.8	0	0.01	1
0.87	0.85	0.93	0.82	1.07	1.11	0.88	0.07	0.06	0.1	0.04	0	0.56	0.01	0.02	1
0.93	0.93	0.96	0.9	1.09	1.07	0.94	0.02	0.02	0.01	0.01	0	0.3	0	0	1

1.12	0.97	1.21	0.99	0.97	0.91	1.1	0.05	0.07	0.09	0.12	0.65	0.31	0.17	0.09	0
0.96	0.94	1.02	1.12	1.2	1.08	0.98	0.05	0.08	0.08	0.04	0.12	0.09	0.39	0.14	0
0.91	0.86	0.89	0.93	1.1	1.12	0.89	0.11	0.08	0.12	0.02	0.05	0.73	0.07	0.03	1
0.59	0.66	0.9	1.05	1.3	1.07	0.72	0.47	0.16	0.11	0.17	0.34	0.08	0.94	0.04	0
1.43	1.57	0.85	1.56	1.34	0.57	1.28	0.27	0.28	0.16	0.38	0.3	0.01	0	0.04	0
1.34	1.48	1.67	1.18	1.47	0.76	1.5	0.1	0.2	0.14	0.17	0.05	0	0.01	0	1
1.12	1.16	1.14	0.92	1.29	1.01	1.14	0.1	0.12	0.22	0.02	0	0.08	0.49	0.36	1
0.82	0.84	1.08	0.95	1.1	1.04	0.91	0.04	0.08	0.16	0.14	0.01	0.59	0.31	0.36	1
0.43	0.5	0.37	1.81	1.18	0.58	0.44	0.26	0.17	0.11	0.07	0.01	0	0	0.11	-1
1.07	1.15	1.21	1.32	1.25	0.87	1.14	0.22	0.15	0.1	0.07	0.63	0.01	0.02	0.02	0
1.45	1.31	1.6	0.97	0.86	0.99	1.45	0.06	0.09	0.06	0.14	0.1	0.09	0.66	0.01	0
0.82	0.7	0.79	1.23	1.35	1.25	0.77	0.41	0.56	0.28	0.06	0.74	0.78	0.96	0.04	0
0.85	0.8	0.81	0.94	1.1	1.05	0.82	0.04	0.03	0.06	0.03	0	0.23	0.03	0	1
0.93	0.88	1.22	1.2	1.23	1.07	1.01	0.35	0.09	0.07	0.18	0.9	0.05	0.55	0.62	0
1.14	1.29	0.95	1.03	0.91	1.16	1.13	0.2	0.12	0.21	0.17	0.34	0.1	0.45	0.85	0
1	0.95	0.94	0.9	0.9	1.08	0.97	0.04	0.08	0.03	0.04	0.94	0.01	0	0.01	0
1.2	1.39	0.94	1.13	1.07	1.02	1.17	0.08	0.1	0.05	0.22	0.4	0.48	0.09	0.31	0
1.13	1.13	1.06	1.16	0.87	0.98	1.11	0.05	0.13	0.04	0.04	0.01	0.24	0	0.02	-1
1.02	1.03	0.96	0.78	1.05	1.1	1	0.03	0.04	0.07	0.04	0	0.23	0	0.09	1
0.94	0.89	0.89	0.89	1.07	1.04	0.9	0.05	0.07	0.02	0.03	0.01	0.52	0	0	1
0.94	0.87	0.86	1.02	1.09	1.1	0.89	0.07	0.04	0.1	0.04	0.14	0.81	0.26	0.02	0
0.79	0.76	0.73	1.22	1	0.96	0.76	0.05	0.06	0.07	0.03	0	0.48	0	0.01	-1
0.84	0.85	0.86	1.01	1.16	1.11	0.85	0.06	0.06	0.02	0.01	0.01	0.24	0.04	0	1
0.77	0.84	0.81	1.09	1.15	1.07	0.81	0.06	0.15	0.16	0.04	0.47	0.51	0.82	0.05	0
0.84	0.9	0.88	0.94	0.91	1.13	0.88	0.02	0.07	0.07	0.03	0.35	0.01	0	0.01	0
1.03	0.93	1.03	0.97	0.98	1.15	1	0.03	0.02	0.07	0.05	0.72	0	0.01	0.04	0
2.1	1.93	2.13	1.07	0.68	0.66	2.05	0.09	0.07	0.19	0.11	0	0.86	0.01	0	-1
1.01	0.96	0.96	0.95	1.12	1.1	0.98	0.07	0.04	0.08	0.03	0.01	0.61	0.05	0.07	1
1.02	0.93	0.98	0.92	1.08	1.12	0.98	0.07	0.05	0.08	0.05	0.01	0.52	0.02	0.06	1
0.97	0.97	0.9	0.95	1.08	1.09	0.95	0.06	0.11	0.03	0.04	0.07	0.9	0.01	0.01	0
0.82	0.89	0.86	0.87	0.98	1.03	0.86	0.06	0.07	0.09	0.03	0.05	0.45	0.03	0.04	1
0.68	0.9	0.71	1.08	1.15	1.02	0.76	0.09	0.09	0.03	0.12	0.33	0.08	0.33	0.02	0
1.17	1.18	1.1	1.19	0.7	0.81	1.15	0.14	0.06	0.03	0.04	0	0.02	0.01	0	-1
0.95	1.01	0.89	1.07	0.97	1.15	0.95	0.03	0.09	0.06	0.06	0.08	0.03	0.07	0.02	0
1.18	1.47	2.06	1.19	0.87	0.88	1.57	0.16	0.05	0.18	0.45	0.01	0.94	0.06	0.07	-1
1.08	1.08	1.33	1.25	0.73	0.81	1.16	0.14	0.08	0.09	0.14	0	0.25	0.01	0.02	-1
0.91	1.02	0.9	1.22	0.83	0.85	0.94	0.35	0.08	0.24	0.07	0.07	0.88	0.17	0.55	0
0.95	0.88	1.06	0.99	1.09	1.11	0.96	0.09	0.05	0.06	0.09	0.1	0.53	0.09	0.08	0
0.8	0.93	0.67	0.98	1.03	0.97	0.8	0.08	0.1	0.11	0.13	0.45	0.5	0.95	0.16	0
0.81	0.74	0.93	1	1.32	1.17	0.83	0.1	0.23	0.08	0.1	0.04	0.34	0.06	0.01	1
0.87	0.83	0.88	1.02	1.28	1.16	0.86	0.06	0.06	0.03	0.03	0	0.02	0.01	0	1
1.25	1.28	1.3	0.95	0.9	1.06	1.28	0.11	0.04	0.07	0.03	0.46	0.01	0.23	0.01	0
1.17	1.12	1.3	0.99	0.86	1.09	1.19	0.08	0.07	0.05	0.1	0.07	0.01	0.13	0.16	0
0.96	0.9	1.02	0.99	1.18	1.14	0.96	0.1	0.04	0.04	0.06	0.01	0.35	0.06	0.01	1
1.41	1.28	2.05	0.94	0.79	0.56	1.58	0.13	0.06	0.29	0.41	0.1	0.17	0.07	0.03	0
1.31	1.34	1.6	0.99	0.96	1.11	1.42	0.1	0.09	0.21	0.16	0.67	0.25	0.36	0.11	0
0.97	0.92	1.04	0.93	1.05	0.97	0.98	0.1	0.12	0.04	0.06	0.18	0.32	0.59	0.83	0
0.74	0.76	0.78	1.11	1.14	1.01	0.76	0.05	0.04	0.02	0.02	0.4	0.01	0.03	0	0
1.17	1.16	1.49	1.03	0.94	0.86	1.27	0.05	0.15	0.11	0.19	0.3	0.51	0.05	0.03	0
1.35	1.34	1.06	0.94	0.86	0.91	1.25	0.12	0.08	0.02	0.16	0.3	0.36	0.66	0.02	0

0.75	0.98	0.9	1.15	0.87	0.96	0.88	0.11	0.07	0.16	0.12	0.01	0.34	0.12	0.53	-1
0.88	0.93	0.91	0.88	1.05	1.07	0.91	0.04	0.04	0.02	0.03	0	0.49	0	0	1
0.76	0.83	0.92	0.98	1.1	1.02	0.83	0.04	0.05	0.07	0.08	0.01	0.13	0.35	0.04	1
0.85	0.8	0.88	1	1.22	1.16	0.84	0.04	0.09	0.05	0.04	0	0.38	0.01	0	1
0.83	1.04	1.19	0.82	1.26	1	1.02	0.12	0.1	0.09	0.18	0	0.02	0.09	0.85	1
1.15	1.15	1.12	1.13	0.85	0.77	1.14	0.1	0.09	0.05	0.02	0.01	0.18	0	0	-1
1.16	1.14	1.3	1.08	0.83	0.84	1.2	0.02	0.03	0.03	0.09	0	0.44	0	0	-1
1.09	1.01	0.72	1.13	0.89	0.66	0.94	0.13	0.07	0.17	0.2	0.02	0.05	0.01	0.13	-1
1.22	1.17	1.22	1.04	0.92	0.9	1.2	0.03	0.03	0	0.03	0	0.31	0	0	-1
1.05	1.06	1.23	0.99	0.92	0.9	1.11	0.03	0.08	0.03	0.1	0.15	0.75	0.01	0.02	0
1.42	0.96	0.81	0.82	1.06	0.93	1.06	0.15	0.05	0.12	0.32	0.02	0.11	0.34	0.54	1
1.03	1.08	0.99	0.81	1.06	0.94	1.03	0.05	0.19	0.12	0.05	0.05	0.41	0.11	0.3	1
1.03	1	1.11	0.84	1.06	1.11	1.04	0.02	0.03	0.05	0.06	0	0.19	0	0.21	1
0.86	0.72	0.92	0.77	1.21	0.89	0.83	0.36	0.13	0.42	0.1	0.06	0.2	0.69	0.83	0
1.18	0.89	1.36	1.25	1.08	1.23	1.15	0.32	0.17	0.09	0.24	0.4	0.22	0.95	0.59	0
0.76	0.91	1	0.77	1.06	1	0.89	0.12	0.11	0.19	0.12	0.01	0.64	0.1	0.44	1
0.9	0.82	1.02	0.98	1.12	1.05	0.91	0.1	0.04	0.03	0.1	0.04	0.06	0.33	0.09	1
0.96	0.96	0.89	0.75	1.11	1.09	0.94	0.03	0.02	0.08	0.04	0	0.68	0	0.04	1
0.8	0.82	0.92	0.98	1.06	1	0.84	0.02	0.03	0.05	0.06	0	0.11	0.6	0.04	1
0.93	0.92	0.88	0.88	1.06	1.09	0.91	0.14	0.06	0.1	0.03	0.06	0.55	0.07	0.04	0
0.9	0.98	0.86	0.85	1.14	1.1	0.91	0.09	0.07	0.02	0.06	0	0.47	0	0.01	1
0.8	0.67	1.19	1.22	1.22	1.15	0.88	0.33	0.25	0.12	0.27	0.99	0.67	0.73	0.2	0
1.06	1.02	0.85	0.94	1.14	0.97	0.98	0.09	0.08	0.17	0.11	0.02	0.13	0.76	0.96	1
0.79	0.82	0.99	1.03	1.06	0.97	0.87	0.2	0.18	0.1	0.11	0.85	0.47	0.64	0.3	0
1.04	0.9	1	0.9	0.95	0.89	0.98	0.19	0.08	0.17	0.07	0.63	0.51	0.91	0.42	0
0.9	0.92	0.89	0.98	1.13	1.07	0.9	0.04	0.02	0.04	0.01	0	0.05	0.04	0	1
1.02	0.94	0.91	1.05	1.15	1.13	0.95	0.07	0.07	0.05	0.06	0.09	0.62	0.18	0.02	0
0.83	0.9	0.91	1.07	1.01	1.18	0.88	0.09	0.03	0.27	0.04	0.23	0.26	0.49	0.13	0
0.65	0.65	0.52	1.32	0.96	0.8	0.61	0.12	0.03	0.04	0.08	0	0	0	0.02	-1
1.69	1.57	2.67	0.82	0.59	0.57	1.98	0.07	0.1	0.05	0.6	0.01	0.66	0	0.02	-1
1.11	1.04	0.97	1.18	0.93	0.95	1.04	0.09	0.05	0.06	0.07	0	0.75	0.01	0.16	-1
0.69	0.76	0.87	1.02	1.12	1.05	0.77	0.07	0.07	0.02	0.09	0.09	0.19	0.46	0.01	0
0.98	1.09	0.99	1.06	0.94	1	1.02	0.08	0.08	0.03	0.06	0.08	0.27	0.27	0.67	0
1.47	1.45	1.55	1.13	1.15	0.95	1.49	0.31	0.28	0.11	0.05	0.93	0.3	0.39	0	0
1.03	1.04	0.87	1.02	1.03	1.03	0.98	0.06	0.12	0.05	0.1	0.91	0.99	0.88	0.47	0
0.87	0.84	0.92	1	0.9	0.93	0.88	0.03	0.12	0.08	0.04	0.13	0.69	0.16	0.36	0
0.79	0.92	0.82	1.12	1.2	1.04	0.84	0.09	0.02	0.19	0.07	0.15	0.14	0.48	0.16	0
0.68	0.66	0.78	1.3	1.26	1	0.71	0.28	0.13	0.18	0.06	0.82	0.08	0.17	0.06	0
0.78	0.79	0.66	1.11	1.1	0.93	0.74	0.05	0.08	0.05	0.07	0.77	0.03	0.01	0.02	0
1.22	1.26	1.1	0.87	1.03	1.06	1.19	0.07	0.02	0.01	0.09	0.01	0.04	0.01	0.06	1
1.2	1.04	1.16	1	1.03	1.03	1.13	0.06	0.05	0.05	0.08	0.42	0.94	0.5	0.13	0
0.97	1	1	0.83	1.02	1.09	0.99	0.03	0.04	0.12	0.02	0	0.33	0.01	0.21	1
1.04	1	0.97	0.78	1.15	1.15	1	0.06	0.06	0.07	0.04	0	0.96	0	0.03	1
0.88	0.81	1.08	1.13	1.22	1.19	0.92	0.12	0.12	0.24	0.14	0.33	0.84	0.68	0.18	0
0.8	0.6	0.99	0.94	1.36	0.55	0.8	0.45	0.16	0.32	0.19	0.13	0.01	0.26	0.32	0
0.72	0.73	0.84	1.16	1.24	0.89	0.76	0.02	0.01	0.08	0.06	0	0	0	0.11	1
0.66	0.87	0.8	1.17	1.18	0.96	0.78	0.11	0.14	0.33	0.11	0.87	0.28	0.29	0.41	0
0.97	0.96	0.88	1.04	1.09	1.01	0.94	0.22	0.23	0.15	0.05	0.77	0.62	0.83	0.47	0
1.23	1.29	0.93	1.07	1.29	1.21	1.15	0.15	0.2	0.2	0.2	0.13	0.64	0.34	0.73	0
0.81	0.74	0.89	1.02	1.24	0.74	0.81	0.17	0.06	0.22	0.07	0.05	0.01	0.11	0.61	0

1.36	1.52	1.08	0.86	1.04	1.03	1.32	0.19	0.18	0.07	0.22	0.21	0.95	0.19	0.1	0
1	1.01	0.93	0.91	0.93	1.03	0.98	0.04	0.12	0.04	0.04	0.7	0.25	0.01	0.22	0
0.77	0.96	1.03	1.12	1.19	1.01	0.92	0.19	0.08	0.14	0.13	0.49	0.08	0.44	0.45	0
0.94	0.88	0.85	0.97	1.15	1.07	0.89	0.06	0.1	0.02	0.04	0.02	0.24	0.04	0	1
0.91	0.88	1.03	0.87	1.01	1.3	0.94	0.07	0.14	0.25	0.08	0.14	0.1	0.02	0.07	0
0.74	0.77	0.74	1.08	1.13	0.97	0.75	0.06	0.11	0.02	0.02	0.41	0.06	0.03	0	0
0.83	0.84	0.82	0.97	0.99	1	0.83	0.1	0.14	0.06	0.01	0.78	0.89	0.57	0.01	0
0.9	0.99	0.89	0.92	1.03	1.02	0.93	0.11	0.06	0.03	0.05	0.13	0.76	0.2	0.06	0
0.9	0.88	1.08	1.19	1.14	1.06	0.95	0.07	0.1	0.02	0.11	0.42	0.22	0.03	0.18	0
1.12	1.02	1.06	0.88	1.07	1.12	1.06	0.04	0.03	0.01	0.05	0	0.06	0	0.14	1
1.1	1.36	1.26	0.92	1	1.05	1.24	0.13	0.17	0.14	0.13	0.46	0.72	0.27	0.16	0
0.75	0.69	0.88	1.07	1.14	0.97	0.77	0.04	0.09	0.02	0.1	0.16	0.02	0.01	0.03	0
0.78	0.74	0.72	1.11	1.19	0.97	0.75	0.02	0.05	0.02	0.03	0.03	0	0	0	1
1.12	1.07	0.95	0.91	1.09	1.03	1.05	0.04	0.04	0.03	0.08	0	0.07	0.01	0.72	1
1.12	1.03	1.1	0.93	1.15	1.08	1.08	0.03	0.05	0.03	0.04	0	0.13	0	0.94	1
1.09	0.98	1.03	0.93	1.13	1.06	1.04	0.03	0.01	0.05	0.06	0	0.03	0.01	0.67	1
1.13	1.11	1.09	0.8	1.07	1.09	1.11	0.01	0.03	0.05	0.02	0	0.39	0	0.61	1
1.05	1.04	0.99	0.97	1.11	1.18	1.03	0.02	0.03	0.06	0.03	0	0.07	0	0.02	1
0.9	0.83	0.96	0.92	1.21	1.14	0.9	0.06	0.04	0.05	0.06	0	0.09	0	0.01	1
0.94	0.94	0.99	0.83	1.2	1.11	0.96	0.01	0.02	0.01	0.03	0	0	0	0	1
0.9	0.88	1.04	0.84	1.2	1.11	0.94	0.01	0.04	0.02	0.09	0	0.01	0	0.03	1
1	1.07	0.94	0.84	1.14	1.09	1	0.06	0.1	0.21	0.06	0	0.71	0.07	0.53	1
0.99	1.04	1.02	0.91	1.14	1.13	1.01	0.14	0.06	0.02	0.03	0.02	0.94	0.04	0	1
0.99	1.04	1.05	0.93	1.13	1.15	1.02	0.11	0.09	0.03	0.03	0.03	0.81	0.03	0.01	1
0.78	0.85	0.88	0.89	1	1.08	0.84	0.2	0.11	0.14	0.06	0.36	0.44	0.22	0.05	0
0.78	0.85	0.88	0.89	1	1.08	0.84	0.2	0.11	0.14	0.06	0.36	0.44	0.22	0.05	0
1.01	0.93	0.98	1.02	1.02	0.98	0.97	0.07	0.07	0.04	0.04	0.97	0.47	0.47	0.74	0
0.9	0.99	0.94	1.32	1.13	1.13	0.94	0.05	0.06	0.04	0.05	0	0.86	0	0.01	-1
0.79	0.94	0.87	0.92	1.08	1.03	0.86	0.08	0.07	0.03	0.07	0.02	0.33	0.06	0.02	1
1.06	1.01	1.01	1.03	0.95	1.06	1.03	0.06	0.06	0.02	0.03	0.1	0.03	0.52	0.24	0
0.94	0.96	1.04	1	0.98	1.1	0.98	0.02	0.02	0.08	0.05	0.19	0.03	0.06	0.09	0
1.03	1	1.01	1.01	0.93	1.05	1.01	0.02	0.06	0.03	0.02	0.05	0.02	0.07	0.14	-1
0.94	0.97	0.98	1.06	0.97	1.05	0.97	0.06	0.03	0.05	0.02	0.05	0.04	1	0.04	-1
1.09	0.97	0.99	1.06	0.9	1.12	1.02	0.04	0.09	0.11	0.06	0.02	0.03	0.35	0.23	-1
1.06	1.01	1.01	1.05	0.96	1.04	1.03	0.07	0.09	0.04	0.03	0.17	0.25	0.79	0.75	0
0.94	1.01	1.04	1	0.95	1.06	1	0.05	0.12	0.01	0.05	0.47	0.17	0.07	0.1	0
0.95	0.97	0.93	1.08	1.02	1.09	0.95	0.05	0.1	0.11	0.02	0.26	0.41	0.97	0.11	0
1.39	1.34	1.31	1.05	0.89	0.83	1.34	0.07	0.07	0.15	0.04	0.02	0.51	0.05	0	-1
0.61	1.18	0.76	0.97	0.98	0.94	0.85	0.13	0.17	0.05	0.29	0.94	0.71	0.69	0.64	0
1.35	1.15	0.92	0.93	1.06	0.84	1.14	0.19	0.15	0.07	0.21	0.31	0.06	0.51	0.08	0
1.25	1.46	1.46	1.19	1.15	1.05	1.39	0.36	0.4	0.09	0.13	0.89	0.69	0.54	0.02	0
1.17	1.25	1.28	1.01	0.95	1	1.23	0.11	0.09	0.06	0.06	0.41	0.43	0.88	0.01	0
1.18	1.19	1.25	0.98	0.96	0.99	1.21	0.07	0.07	0.04	0.04	0.78	0.66	0.89	0	0
1.19	1.23	1.12	0.95	0.99	1.01	1.18	0.07	0.14	0.05	0.05	0.63	0.8	0.24	0.02	0
1.18	1.15	1.03	1.07	0.94	0.98	1.12	0.12	0.14	0.07	0.08	0.2	0.67	0.3	0.09	0
0.99	1.15	1.24	1.12	0.98	1.01	1.13	0.2	0.19	0.09	0.13	0.34	0.81	0.41	0.25	0
1.05	1.17	1.35	0.97	0.99	1.35	1.19	0.04	0.2	0.41	0.15	0.84	0.18	0.12	0.57	0
0.84	0.99	1.01	1.17	1.15	1.14	0.95	0.5	0.2	0.25	0.09	0.94	0.96	0.93	0.27	0
1.22	0.63	1.04	0.93	1.03	1.21	0.97	0.22	0.12	0.3	0.3	0.45	0.32	0.22	0.38	0
0.96	0.89	0.95	0.95	1.1	1.09	0.93	0.06	0.07	0.05	0.04	0.01	0.84	0.01	0.01	1

1.1	1.25	1.18	1	0.99	0.97	1.18	0.07	0.05	0.18	0.07	0.8	0.84	0.77	0.15	0
1.02	1.29	1.47	0.98	0.89	0.99	1.26	0.1	0.1	0.11	0.23	0.24	0.27	0.92	0.14	0
2.83	2.9	1.88	0.75	0.69	0.73	2.54	0.11	0.14	0.06	0.57	0.51	0.62	0.82	0.01	0
1.39	1.39	1.59	0.85	0.88	0.99	1.45	0.05	0.03	0.11	0.12	0.45	0.1	0.08	0.01	0
1.2	1.47	1.41	0.83	0.86	0.99	1.36	0.08	0.05	0.02	0.14	0.47	0.01	0.03	0.01	0
0.93	0.98	0.96	1.08	0.88	0.97	0.96	0.03	0.05	0.02	0.03	0	0.04	0	0.48	-1
1.21	1.24	1.15	1.02	1.01	0.91	1.2	0.12	0.05	0.17	0.04	0.84	0.29	0.34	0.05	0
1.04	1.08	1.07	1.11	0.91	0.93	1.06	0.14	0.08	0.14	0.02	0.05	0.88	0.15	0.17	-1
1.06	1.01	1.01	1.07	0.97	1.05	1.03	0.02	0.05	0.04	0.03	0.01	0.06	0.4	0.44	-1
1.25	1.42	1.01	1.07	0.99	1.27	1.22	0.18	0.23	0.35	0.21	0.58	0.25	0.37	0.85	0
0.86	0.84	0.88	1.13	0.97	0.99	0.86	0.05	0.05	0.02	0.02	0	0.54	0.01	0	-1
0.8	0.77	0.86	1.19	0.94	0.94	0.81	0.04	0.03	0.02	0.04	0	0.87	0	0.01	-1
0.9	1.05	1.08	1.04	0.82	1.03	1.01	0.11	0.05	0.07	0.1	0.01	0	0.92	0.76	-1
1.82	1.97	2.75	0.36	0.47	0.72	2.18	0.21	0.3	0.5	0.5	0.58	0.44	0.24	0.02	0
1.04	1.01	1.01	0.8	1.08	1.14	1.02	0.04	0.05	0.04	0.02	0	0.23	0	0.01	1
1.49	1.46	1.47	0.85	0.96	1.03	1.47	0.04	0.01	0.02	0.02	0	0	0	0	1
1.24	1.21	1.14	0.87	1.09	1.23	1.2	0.16	0.15	0.13	0.05	0.1	0.23	0.02	0.69	0
0.93	0.99	1.04	1.11	0.98	1.17	0.99	0.18	0.12	0.1	0.05	0.28	0.08	0.64	0.05	0
1.04	1.01	1.08	1.06	1	0.96	1.04	0.05	0.05	0.01	0.04	0.2	0.14	0.03	0.02	0
1.07	1.01	0.98	1.06	1.01	1.03	1.02	0.05	0.06	0.05	0.04	0.32	0.69	0.57	0.79	0
1.01	0.99	0.93	1.01	1.09	1.01	0.98	0.05	0.03	0.05	0.04	0.02	0.05	0.9	0.41	1
0.93	1.03	0.99	0.94	0.88	1.12	0.98	0.12	0.12	0.09	0.05	0.49	0.03	0.08	0.09	0
1.01	1.16	1.09	0.94	1.05	1.21	1.09	0.01	0.09	0.14	0.07	0.04	0.13	0.01	0.25	1
1.11	0.94	1.02	1.03	1.06	1.08	1.02	0.05	0.04	0.03	0.09	0.53	0.51	0.24	0.37	0
0.91	0.93	0.93	1.08	1.03	1.14	0.92	0.21	0.17	0.11	0.01	0.73	0.37	0.65	0.03	0
1.11	1.2	1.38	0.95	0.97	0.98	1.23	0.07	0.15	0	0.14	0.81	0.97	0.58	0.03	0
1.06	0.98	0.99	0.96	0.91	1.08	1.01	0.05	0.03	0.06	0.04	0.11	0	0.03	0.14	0
1.09	1.01	1.1	1.04	1	1.12	1.06	0.15	0.15	0.16	0.05	0.72	0.36	0.53	0.62	0
1.02	0.97	1.01	1.01	1.06	1.1	1	0.07	0.07	0.04	0.03	0.32	0.44	0.11	0.03	0
1.03	0.96	0.98	0.88	1.09	1.1	0.99	0.03	0.04	0.04	0.03	0	0.97	0	0.03	1
1.28	1.33	1.32	0.97	0.93	0.99	1.31	0.03	0.05	0.06	0.03	0.2	0.21	0.69	0	0
1.26	1.23	1.29	1.11	0.92	1.01	1.26	0.07	0.07	0.09	0.03	0.01	0.24	0.16	0.01	-1
1.14	1.08	1.12	1.04	0.88	0.92	1.12	0.06	0.04	0.1	0.03	0.01	0.58	0.11	0.03	-1
1.04	0.82	1.03	1.01	1.06	1.09	0.96	0.06	0.16	0.09	0.12	0.61	0.77	0.24	0.22	0
0.97	0.87	1.04	0.99	1.01	1.11	0.96	0.06	0.05	0.07	0.08	0.59	0.09	0.07	0.08	0
0.95	0.89	0.96	0.99	1.15	1.08	0.93	0.01	0.03	0.07	0.04	0	0.15	0.03	0.03	1
1.41	1.29	1.17	0.93	0.95	0.82	1.29	0.16	0.07	0.05	0.12	0.83	0.04	0.3	0	0
1.28	1.28	1.16	1.04	0.91	0.92	1.24	0.05	0.08	0.06	0.07	0.03	0.81	0.04	0	-1
1.65	1.41	1.2	0.95	0.72	0.86	1.42	0.12	0.05	0.02	0.23	0.01	0	0.24	0.01	-1
1.29	1.29	1.41	1.03	0.93	0.94	1.33	0.08	0.03	0.06	0.07	0.07	0.94	0.17	0	0
1.38	1.29	1.46	1.01	0.81	0.88	1.37	0.04	0.07	0.07	0.09	0	0.24	0.03	0	-1
1.36	1.28	1.32	0.99	0.91	0.9	1.32	0.05	0.04	0.01	0.04	0.05	0.74	0.03	0	0
1.35	1.28	1.53	1.01	0.93	1.01	1.39	0.12	0.1	0.19	0.13	0.35	0.49	1	0.05	0
1.08	1.16	1.25	0.86	1.12	1.39	1.16	0.19	0.07	0.19	0.08	0.05	0.05	0.02	0.14	1
1	1.01	1.07	0.94	1.09	1.03	1.02	0.01	0.04	0.04	0.04	0	0.09	0.01	0.94	1
1.22	1.09	0.92	0.67	0.85	1.09	1.08	0.14	0.3	0.29	0.15	0.3	0.34	0.05	0.93	0
1.08	0.91	0.93	0.99	1.1	1.09	0.97	0.07	0.11	0.02	0.09	0.15	0.86	0.08	0.1	0
1.02	1.01	0.7	0.84	0.88	1.08	0.91	0.09	0.16	0.02	0.18	0.63	0.1	0.01	0.19	0
0.87	0.75	0.99	1.17	1.16	1.13	0.87	0.24	0.12	0.35	0.12	0.92	0.9	0.87	0.29	0
0.78	0.79	0.92	1.02	1.16	1.26	0.83	0.13	0.11	0.06	0.08	0.17	0.22	0.04	0	0

0.9	0.88	0.75	0.98	1.09	1	0.84	0.08	0.06	0.09	0.08	0.08	0.18	0.75	0.08	0
1.19	1.14	1.22	0.77	1.06	1.12	1.18	0.05	0.04	0.05	0.04	0	0.08	0	0.15	1
1.23	1.44	1.25	1.17	0.86	0.93	1.31	0.16	0.08	0.07	0.12	0.01	0.27	0.06	0.01	-1
0.81	0.84	0.99	0.9	0.97	1.14	0.88	0.17	0.16	0.1	0.1	0.59	0.15	0.09	0.03	0
1.05	0.89	2.3	0.85	0.83	0.84	1.41	0.08	0.11	0.1	0.77	0.85	0.91	0.95	0.27	0
1.22	1.1	0.97	0.96	1.07	1.11	1.09	0.04	0.06	0.02	0.13	0.02	0.3	0	0.8	1
0.91	0.83	0.84	1.02	1.15	1.03	0.86	0.05	0.05	0.04	0.04	0.01	0.02	0.9	0.01	1
1.22	1.21	1.13	0.83	1.09	1.11	1.19	0.07	0.13	0.06	0.05	0.01	0.87	0	0.16	1
0.85	0.91	0.83	0.9	1.09	0.96	0.86	0.07	0.12	0.07	0.04	0.03	0.15	0.27	0.08	1
1.18	1.01	1.12	1	1.2	0.98	1.1	0.15	0.27	0.06	0.09	0.24	0.24	0.88	0.13	0
0.57	0.57	0.74	1.55	1.25	0.65	0.63	0.1	0.2	0.2	0.1	0.04	0.01	0	0.9	-1
1.08	1.08	1.01	0.89	0.93	1.13	1.06	0.11	0.12	0.07	0.04	0.62	0.05	0.02	0.21	0
0.85	0.86	0.71	1.14	1.09	0.94	0.81	0.11	0.08	0.12	0.08	0.54	0.11	0.08	0.18	0
1.28	1.17	1.09	1	1.11	1.22	1.18	0.16	0.14	0.07	0.1	0.37	0.26	0.09	0.61	0
0.71	0.87	0.87	0.97	1.3	1.07	0.82	0.05	0.2	0.15	0.09	0.02	0.15	0.25	0.06	1
0.64	0.68	1.01	0.94	1	1.08	0.78	0.24	0.21	0.08	0.2	0.71	0.55	0.37	0.07	0
0.93	0.92	0.96	0.87	1.12	1.04	0.94	0.06	0.03	0.04	0.02	0	0.04	0.01	0.02	1
1.13	1.02	0.83	0.91	1.18	1.06	1	0.09	0.23	0.04	0.15	0.07	0.43	0.04	0.5	0
1.67	1.4	1.28	0.98	0.94	0.8	1.45	0.09	0.14	0.08	0.2	0.65	0.18	0.04	0.01	0
1.56	1.42	1.39	1.06	0.92	0.75	1.45	0.1	0.04	0.08	0.09	0.04	0.01	0.01	0	-1
0.43	0.76	0.78	1.21	1.17	0.84	0.66	0.11	0.07	0.13	0.19	0.58	0.01	0.01	0.25	0
1.02	0.93	0.91	0.94	1.17	1.16	0.95	0.06	0.07	0.05	0.06	0	0.81	0	0.01	1
1.78	1.87	2.29	0.89	0.67	0.71	1.98	0.11	0.06	0.12	0.27	0.01	0.61	0.1	0	-1
1.18	1.09	1.1	1.04	0.99	0.98	1.13	0.1	0.11	0.07	0.05	0.5	0.92	0.41	0.04	0
0.91	0.99	0.88	0.91	0.97	1.04	0.92	0.02	0.04	0.02	0.06	0.05	0.05	0	0.03	1
1.48	1.54	1.86	0.84	0.89	1.07	1.63	0.07	0.07	0.01	0.2	0.38	0.01	0	0.01	0
1.11	1.24	1.35	0.78	1.06	0.97	1.23	0.13	0.12	0.13	0.12	0.02	0.38	0.12	0.06	1
1.03	1.05	1.05	1.01	0.9	0.94	1.04	0.09	0.11	0.07	0.01	0.18	0.65	0.3	0.07	0
1.21	1.12	1.21	0.86	1.09	1.08	1.18	0.1	0.04	0.06	0.05	0	0.91	0.02	0.12	1
1.08	1.11	1.08	1.01	1.16	1.03	1.09	0.06	0.11	0.06	0.02	0.05	0.12	0.65	0.16	1
0.95	0.94	1.01	1.08	1.05	0.97	0.96	0.17	0.06	0.07	0.04	0.74	0.2	0.35	0.85	0
1.01	0.98	1.05	0.95	1.17	1.04	1.01	0.1	0.1	0.01	0.03	0.02	0.08	0.21	0.33	1
0.83	1.07	0.96	0.98	1.06	0.97	0.95	0.08	0.1	0.04	0.12	0.29	0.24	0.89	0.78	0
1	0.9	0.91	0.92	1.06	0.98	0.94	0.1	0.09	0.08	0.05	0.08	0.29	0.37	0.43	0
0.98	0.93	0.93	1.06	0.99	1	0.95	0.05	0.08	0.05	0.03	0.19	0.85	0.17	0.18	0
1.09	1.05	0.91	0.99	1.12	1.07	1.02	0.05	0.07	0.04	0.1	0.03	0.4	0.06	0.38	1
0.96	0.96	0.98	0.95	1.05	1.04	0.97	0.03	0.04	0.01	0.01	0.01	0.62	0.01	0	1
0.85	0.78	0.86	1.07	1.18	0.93	0.83	0.12	0.19	0.04	0.04	0.4	0.08	0.1	0.04	0
0.56	0.97	0.79	1.2	0.89	0.88	0.78	0.16	0.08	0.14	0.2	0.01	0.97	0.05	0.49	-1
0.92	1.28	0.87	0.93	1.19	1.18	1.02	0.1	0.08	0.05	0.23	0.01	0.88	0.01	0.3	1
0.88	0.75	0.85	1	0.96	1.01	0.82	0.14	0.07	0.03	0.07	0.7	0.38	0.91	0.02	0
0.72	1.01	0.99	1.17	1.35	0.9	0.91	0.11	0.15	0.12	0.16	0.1	0.01	0.02	0.96	0
1	0.93	0.93	1.12	1.12	0.96	0.95	0.09	0.05	0.03	0.04	0.92	0	0.03	0.86	0
0.86	1.11	1.14	1.09	1.36	1	1.04	0.09	0.09	0.06	0.15	0.01	0	0.21	0.74	1
0.89	0.88	0.83	0.94	1.24	0.99	0.87	0.05	0.08	0.14	0.03	0	0.03	0.49	0.2	1
1.53	1.43	1.65	0.99	0.9	0.86	1.53	0.05	0.06	0.08	0.11	0.08	0.49	0.05	0	0
1.61	1.51	1.4	0.86	0.8	0.94	1.51	0.07	0.09	0.1	0.1	0.37	0.1	0.25	0	0
1.53	1.29	1.46	1.09	0.94	0.95	1.43	0.04	0.03	0.03	0.13	0	0.54	0.01	0	-1
2.26	1.13	0.82	0.91	1.33	0.97	1.4	0.19	0.2	0.15	0.76	0.02	0.05	0.68	0.39	1
1.06	1.02	1.09	0.93	1.1	1.06	1.06	0.05	0.07	0.13	0.03	0.01	0.65	0.13	0.98	1

1.67	1.92	1.77	0.78	0.7	0.83	1.79	0.02	0.06	0.05	0.13	0.03	0.03	0.13	0	-1
0.92	0.84	0.88	1.03	1.17	0.9	0.88	0.09	0.09	0.28	0.04	0.06	0.12	0.43	0.89	0
1.46	1.75	1.33	0.84	0.82	1.02	1.52	0.09	0.05	0.06	0.21	0.7	0	0.03	0.02	0
1.28	1.36	1.19	0.85	0.9	0.99	1.28	0.06	0.06	0.03	0.09	0.27	0.07	0.02	0.01	0
1.47	1.31	1.17	0.89	0.9	1.02	1.31	0.03	0.08	0.07	0.15	0.74	0.1	0.01	0.04	0
1.12	1.22	1.34	0.88	0.89	1	1.22	0.08	0.1	0	0.11	0.9	0.14	0.05	0.02	0
1.58	1.5	1.57	0.82	0.83	0.99	1.55	0.03	0.02	0.04	0.04	0.7	0	0	0	0
1.39	1.4	1.6	0.85	0.82	0.94	1.46	0.06	0.08	0.05	0.12	0.67	0.08	0.07	0	0
1.4	1.41	1.62	0.86	0.86	0.99	1.48	0.09	0.1	0.07	0.12	0.98	0.1	0.09	0	0
1.21	1.26	1.46	0.85	0.95	0.99	1.31	0.05	0.05	0.08	0.14	0.04	0.5	0.05	0.03	1
1.04	1.23	1.24	1.02	0.96	1.01	1.17	0.17	0.09	0.12	0.11	0.58	0.56	0.96	0.17	0
0.8	0.82	0.86	0.91	0.94	1.18	0.83	0.09	0.03	0.2	0.03	0.56	0.06	0.06	0.04	0
1.44	1.51	1.42	1.04	0.83	0.88	1.46	0.08	0.04	0.03	0.05	0	0.13	0.03	0	-1
1.26	1.19	1.43	1.06	0.86	0.78	1.29	0.06	0.08	0.14	0.13	0.01	0.39	0.02	0.01	-1
0.92	0.9	0.92	1.05	1.09	0.99	0.91	0.04	0.07	0.02	0.01	0.47	0.09	0.08	0	0
0.94	0.82	1.01	0.91	1.03	1	0.92	0.05	0.09	0.04	0.1	0.07	0.66	0.05	0.27	0
1.63	1.51	1.46	1.02	0.91	0.95	1.53	0.04	0.02	0.03	0.09	0	0.07	0.03	0	-1
0.89	0.89	0.87	0.97	1.08	0.96	0.88	0.11	0.12	0.18	0.01	0.24	0.33	0.92	0.51	0
1.16	0.99	0.91	0.89	1.09	0.94	1.02	0.16	0.17	0.1	0.13	0.14	0.24	0.69	0.47	0

Trend		Fold-change
Trend	trend() Patterns	OMa/Ma
1	0 increasing late	1.24159
0	0 stables	0.94038
0	-1 early decrease	1.13413
1	0 unclass	0.90593
0	0 increasing early	0.91859
0	0 stables	0.85514
0	0 increasing early	0.84344
0	1 increasing early	0.81376
0	1 increasing continuously	0.6953
0	0 stables	1.66947
0	0 stables	1.15647
0	0 early decrease	1.44944
0	1 increasing continuously	0.77647
0	0 stables	1.20209
-1	-1 decreasing continuously	0.8082
-1	-1 decreasing late	1.13445
0	0 increasing early	0.78861
-1	-1 decreasing late	0.97637
0	1 increasing early	0.8337
0	1 increasing early	0.87675
0	1 increasing early	0.91586
0	0 increasing early	0.89762
0	1 increasing continuously	0.87541
0	0 stables	0.86802
0	0 stables	1.27632
0	0 stables	0.94006
0	0 increasing early	0.84767
0	0 increasing early	0.93253
-1	0 unclass	0.85578
0	0 stables	0.68125
-1	0 unclass	0.82011
-1	0 unclass	0.85166
0	1 increasing continuously	0.90626
0	-1 decreasing continuously	0.78029
1	1 increasing late	0.79685
1	0 unclass	0.79254
1	1 unclass	0.78417
0	0 stables	0.84514
0	0 stables	1.10744
0	0 increasing early	0.81708
0	1 increasing early	0.83479
0	0 stables	0.7344
0	0 stables	0.91411
0	1 increasing early	0.84882
0	1 increasing early	0.847
0	-1 decreasing continuously	0.98416
0	0 stables	0.82067

0	1 increasing early	1.22486
0	0 stables	0.92148
-1	-1 decreasing late	0.78178
0	-1 decreasing continuously	0.85868
-1	0 decreasing late	0.83511
0	0 stables	1.32772
0	0 stables	1.14648
-1	0 unclass	0.97619
-1	-1 decreasing continuously	0.89921
0	0 stables	0.81142
0	0 stables	1.10266
1	-1 unclass	1.21379
0	-1 early decrease	1.28633
0	1 increasing early	0.94517
-1	0 unclass	0.852
0	1 increasing early	0.78462
0	0 stables	1.53437
0	-1 early decrease	1.00344
0	0 increasing early	0.81106
0	0 increasing early	0.89193
0	0 increasing early	0.84546
-1	0 unclass	0.80889
0	0 increasing early	0.81486
-1	1 unclass	0.86172
0	1 increasing early	0.88618
0	0 stables	1.55883
0	1 increasing early	0.7441
-1	-1 decreasing late	0.8986
-1	0 decreasing late	0.8412
0	1 increasing early	0.79153
0	1 increasing early	0.91878
0	0 stables	0.79429
0	0 stables	1.05475
-1	0 decreasing late	0.80516
0	0 stables	0.79954
-1	-1 decreasing continuously	0.9767
-1	-1 decreasing late	0.88492
-1	-1 decreasing late	0.82708
-1	0 decreasing late	0.9141
0	-1 early decrease	1.33628
0	0 stables	1.12786
0	0 stables	1.54266
0	0 stables	0.93974
0	1 increasing continuously	0.76766
0	0 stables	0.76237
0	0 stables	0.82447
-1	-1 decreasing late	1.5858
0	0 stables	0.96647
0	0 stables	0.95064
0	-1 early decrease	2.06935

0	0 stables	1.5258
0	0 stables	1.05527
0	0 stables	1.05418
0	0 stables	0.92187
0	0 stables	0.8909
0	0 stables	0.88517
0	0 stables	0.76716
1	0 increasing late	1.55635
1	0 increasing late	1.46791
1	0 increasing late	0.87391
1	0 unclass	0.9999
1	0 unclass	0.97927
0	0 stables	1.18393
0	0 stables	1.09276
0	0 early decrease	1.07841
0	-1 early decrease	1.05613
0	0 early decrease	1.02167
0	0 stables	0.9803
1	0 unclass	1.01292
0	0 stables	1.67273
0	0 stables	1.08571
0	0 stables	1.06125
0	0 stables	1.04105
0	0 stables	0.78863
0	1 increasing early	0.89522
-1	-1 decreasing late	0.86174
-1	1 unclass	0.82393
0	1 increasing early	0.87162
0	0 stables	0.51087
0	0 stables	0.63278
0	0 increasing early	1.06694
-1	-1 unclass	0.90859
0	0 stables	0.72623
0	0 stables	0.96148
0	0 stables	0.87742
0	0 stables	0.99279
0	0 increasing early	0.95533
0	0 increasing early	0.91245
0	0 stables	0.79813
0	0 stables	0.89432
0	1 increasing early	0.77712
0	-1 decreasing continuously	0.71159
0	0 stables	0.97801
1	-1 unclass	0.66713
0	-1 early decrease	0.89785
0	0 stables	1.21121
0	0 stables	0.99775
1	0 unclass	0.90189
1	0 unclass	0.86264
0	-1 decreasing continuously	0.88173

0	0 stables	1.35413
0	0 stables	0.89764
0	1 increasing continuously	1.19302
0	1 increasing continuously	1.15042
0	-1 early decrease	1.54577
1	-1 unclass	1.5311
1	-1 unclass	1.35207
1	1 increasing late	1.05786
1	1 unclass	0.92825
-1	1 unclass	0.82233
0	1 increasing early	0.8518
1	1 increasing late	0.87779
1	0 unclass	0.8974
0	0 stables	0.8911
0	0 stables	0.97107
0	0 early decrease	0.97007
0	0 stables	1.22576
0	0 stables	0.85943
0	1 increasing early	0.83507
0	1 increasing early	0.81748
1	1 increasing late	0.89961
1	1 increasing late	0.92506
1	0 increasing late	0.91786
0	0 early decrease	1.04876
0	0 stables	0.84622
-1	0 unclass	0.95161
-1	1 unclass	0.70325
0	0 stables	0.93337
1	1 increasing late	0.88075
0	0 stables	0.89346
0	0 stables	1.22268
1	0 unclass	0.83273
0	0 stables	1.613
0	1 increasing continuously	0.85574
0	0 stables	0.8001
0	0 stables	0.74952
-1	-1 decreasing late	0.8805
1	0 unclass	1.5849
1	1 increasing late	0.65562
0	1 increasing early	0.92047
0	0 stables	0.90292
0	1 increasing early	0.77162
0	0 stables	0.87182
0	0 stables	0.83161
0	0 stables	0.80416
-1	0 unclass	1.05152
-1	-1 decreasing late	0.74561
0	1 increasing early	0.88638
0	0 stables	0.82699
0	0 stables	0.6789

-1	-1 decreasing continuously	0.78273
-1	0 decreasing late	1.04083
1	0 increasing late	0.82235
0	0 stables	0.75802
0	0 increasing early	0.9018
0	0 stables	0.89638
0	0 stables	0.93616
0	0 stables	0.86997
0	-1 decreasing continuously	0.86673
0	-1 decreasing continuously	0.8245
0	0 increasing early	0.79613
0	0 stables	0.78083
0	0 stables	0.84061
0	0 stables	1.10385
0	1 increasing early	1.04282
0	0 stables	0.86985
-1	0 unclass	1.06463
-1	0 unclass	1.03208
-1	-1 decreasing late	0.91608
0	1 increasing continuously	0.81341
0	0 increasing early	0.91769
1	1 increasing continuously	0.86939
0	0 early decrease	1.33574
0	1 increasing continuously	0.77449
0	0 stables	0.84034
0	1 increasing early	0.83947
0	-1 decreasing continuously	0.67324
-1	-1 decreasing late	0.83612
0	0 stables	1.65188
0	0 stables	1.10087
0	0 stables	0.91076
0	1 increasing continuously	0.76794
-1	-1 decreasing late	0.95838
-1	0 decreasing late	0.95221
0	0 stables	1.48148
0	0 increasing early	0.96326
0	1 increasing early	0.95289
-1	1 unclass	0.93028
0	-1 early decrease	0.76402
-1	0 unclass	0.74976
0	0 stables	1.00982
-1	0 decreasing late	0.83013
0	0 stables	1.98811
0	-1 early decrease	1.13756
0	1 increasing early	0.90057
0	-1 early decrease	1.5034
0	0 stables	0.77744
0	1 increasing early	0.76469
0	0 stables	0.97844
0	0 stables	1.03302

0	0 stables	0.73631
-1	0 unclass	1.01665
0	0 stables	0.86392
0	0 stables	0.79958
0	1 increasing early	0.75458
0	1 increasing continuously	0.89678
0	1 increasing early	0.88264
0	0 stables	0.96044
0	-1 early decrease	0.90892
0	0 stables	0.88418
0	0 increasing early	0.71372
0	0 stables	0.71319
-1	-1 decreasing late	0.92439
1	1 increasing continuously	1.00017
0	1 increasing early	0.94476
0	0 stables	0.94135
-1	0 decreasing late	0.82595
0	0 stables	0.97673
0	0 increasing early	0.83033
0	0 stables	1.20311
0	0 increasing early	0.86148
0	0 stables	0.82144
1	1 increasing late	0.97005
0	0 stables	0.93853
0	0 stables	0.87722
0	0 stables	0.83748
-1	0 decreasing late	0.78532
-1	0 unclass	0.79179
0	1 increasing early	0.86499
0	1 increasing early	0.84842
0	-1 decreasing continuously	0.75797
0	0 stables	0.58145
0	1 increasing continuously	0.91001
0	1 increasing continuously	0.75033
0	0 stables	0.91338
0	0 stables	0.89118
0	0 stables	0.83721
0	0 stables	0.7814
-1	0 decreasing late	0.96601
0	0 stables	0.80067
0	0 stables	0.74654
1	1 increasing late	0.60111
0	1 increasing early	1.3101
0	0 stables	0.89598
0	0 stables	0.82112
0	0 increasing early	0.78349
0	1 increasing early	0.80171
0	0 stables	0.95131
0	0 increasing early	0.82169
0	0 increasing early	0.77418

0	0 stables	0.94194
0	0 increasing early	0.86092
0	0 stables	0.8304
0	0 stables	0.81551
0	1 increasing continuously	0.76798
0	1 increasing continuously	0.75591
0	-1 early decrease	1.12727
0	0 increasing early	0.80394
1	1 increasing continuously	1.14819
1	1 increasing continuously	0.98898
0	1 increasing early	0.95114
0	1 increasing early	0.85024
0	0 stables	0.85142
0	0 stables	0.837
0	0 stables	1.11146
-1	0 decreasing late	0.81778
0	0 stables	2.12251
0	0 stables	0.76002
1	1 increasing continuously	0.94321
0	0 stables	0.82662
0	0 stables	0.74931
0	0 increasing early	1.2623
0	0 increasing early	0.83023
1	1 increasing continuously	1.00471
0	0 stables	0.97303
0	0 increasing early	0.71901
-1	0 decreasing late	0.97958
-1	0 unclass	0.88853
0	0 stables	0.85221
0	0 stables	0.69226
1	1 increasing continuously	0.65411
0	0 stables	1.37588
0	0 stables	1.15282
0	0 increasing early	0.97184
0	0 stables	0.91799
1	1 increasing late	1.05767
1	0 unclass	0.94321
0	-1 decreasing continuously	0.95841
0	0 stables	0.94913
0	1 increasing continuously	0.88759
0	0 stables	0.85336
0	1 increasing early	0.81148
0	1 increasing continuously	0.80164
0	1 increasing continuously	0.78115
1	1 increasing late	0.76431
0	0 stables	0.98514
0	-1 early decrease	0.96136
0	0 stables	0.91328
0	0 stables	1.66954
0	0 stables	0.86703

0	0 stables	0.90851
0	1 increasing early	0.89005
0	0 increasing early	0.80124
0	1 increasing early	0.79876
1	1 increasing continuously	0.92208
1	-1 unclass	1.07077
0	0 early decrease	1.15789
-1	-1 decreasing late	0.98439
-1	0 unclass	0.87953
0	0 stables	1.02072
0	0 early decrease	0.79113
0	0 stables	0.73016
0	-1 decreasing continuously	2.2051
0	0 stables	1.11362
0	0 early decrease	1.55491
0	0 stables	1.30203
0	-1 early decrease	2.0268
0	-1 early decrease	1.69121
0	-1 decreasing continuously	1.61782
0	0 stables	1.53799
0	0 stables	1.55117
0	0 stables	1.28998
0	0 stables	1.77841
0	-1 decreasing continuously	1.52307
0	0 early decrease	1.20443
-1	0 unclass	0.85432
0	0 stables	0.95176
1	1 increasing late	0.8598
1	1 increasing continuously	0.92309
1	0 unclass	1.62777
1	1 increasing continuously	0.78062
1	1 increasing late	0.77894
1	1 increasing continuously	0.77602
0	0 early decrease	2.20743
0	-1 early decrease	1.81785
0	-1 early decrease	1.33072
0	0 early decrease	1.30471
0	0 stables	1.20904
0	0 stables	1.03647
0	0 stables	1.00443
0	0 stables	0.96716
0	0 stables	0.96369
0	0 stables	0.94463
0	0 stables	0.94141
0	-1 decreasing continuously	0.93151
0	0 stables	0.90711
0	1 increasing early	0.87959
0	0 stables	0.85795
0	1 increasing early	0.83421
0	0 stables	0.8219

0	0 stables	0.80904
0	1 increasing continuously	0.80883
0	0 stables	0.80841
0	0 stables	0.80573
0	0 stables	0.793
0	0 stables	0.77963
0	0 stables	0.77675
0	0 stables	0.74125
0	0 stables	0.54301
0	1 increasing early	0.5402
-1	0 decreasing late	1.07605
-1	0 decreasing late	0.82546
-1	0 unclass	0.94127
-1	0 unclass	0.9151
-1	0 unclass	0.83165
-1	0 decreasing late	0.83424
1	0 unclass	1.76456
1	1 increasing continuously	0.82467
1	1 increasing late	0.81634
1	1 increasing continuously	0.76759
1	1 increasing late	0.74616
0	0 stables	2.39124
0	-1 decreasing continuously	1.98211
0	0 stables	1.45593
0	0 stables	1.25057
0	0 stables	1.22653
0	1 increasing early	1.08308
0	0 stables	1.07813
0	0 stables	1.07295
0	1 increasing continuously	1.04369
0	0 stables	1.01527
0	0 stables	0.97517
0	0 stables	0.97395
0	0 stables	0.9601
0	0 stables	0.95299
0	0 stables	0.94665
0	1 increasing early	0.94021
0	0 stables	0.9255
0	0 stables	0.92117
0	1 increasing early	0.91989
0	0 stables	0.9055
0	0 stables	0.89929
0	0 stables	0.89909
0	1 increasing early	0.89894
0	-1 decreasing continuously	0.89847
0	0 stables	0.88704
0	1 increasing early	0.87037
0	0 increasing early	0.86583
0	0 stables	0.86302
0	0 stables	0.86024

0	0 stables	0.84583
0	-1 early decrease	0.84337
0	0 stables	0.84081
0	1 increasing continuously	0.83105
0	0 stables	0.82827
0	1 increasing early	0.82518
0	0 stables	0.81507
0	0 stables	0.80006
0	1 increasing continuously	0.79614
0	0 stables	0.78357
0	1 increasing early	0.77564
0	0 stables	0.76915
0	0 stables	0.76472
0	1 increasing early	0.76322
0	0 stables	0.74543
0	1 increasing early	0.73349
0	1 increasing early	0.70999
0	0 stables	0.69186
0	0 stables	0.59789
-1	-1 decreasing late	1.07499
-1	-1 decreasing late	0.83345
-1	0 decreasing late	0.83179
-1	0 decreasing late	0.82411
-1	1 unclass	0.8504
0	1 increasing early	0.97268
0	0 increasing early	0.85487
-1	-1 decreasing late	0.93097
0	0 stables	0.83542
0	1 increasing early	0.82259
1	0 unclass	1.72909
1	0 unclass	1.60624
-1	-1 decreasing late	0.8361
0	0 stables	1.12964
0	0 stables	1.0166
-1	-1 decreasing late	1.00509
0	0 stables	1.03991
0	1 increasing early	0.89825
-1	0 decreasing late	0.82053
0	0 increasing early	0.68266
0	0 increasing early	0.94782
0	0 stables	0.67963
-1	0 decreasing late	0.8975
0	0 stables	0.73637
-1	0 unclass	0.80348
0	0 increasing early	0.85303
-1	0 unclass	0.72016
0	0 stables	0.86746
-1	0 decreasing late	0.80774
-1	-1 unclass	0.87544
0	0 increasing early	0.81883

0	0 stables	0.86492
0	1 increasing early	0.87954
0	1 increasing continuously	0.92809
0	0 stables	0.80401
0	0 stables	0.96215
-1	-1 decreasing late	0.88299
0	0 increasing early	0.77823
0	0 stables	1.04354
0	0 stables	1.04103
-1	0 unclass	0.82536
0	1 increasing early	0.80735
-1	1 unclass	0.88275
1	0 increasing late	0.88312
0	0 stables	0.83629
-1	0 unclass	0.84071
0	0 stables	0.74632
0	0 stables	0.99329
0	1 increasing early	0.91071
0	1 increasing early	0.90061
0	0 stables	0.81189
0	0 stables	1.10443
0	0 stables	0.82726
0	0 stables	0.82183
0	1 increasing early	0.78665
0	-1 decreasing continuously	0.75952
0	0 stables	1.10993
0	1 increasing early	0.81079
0	0 stables	0.76711
0	0 stables	0.89274
0	0 stables	0.95707
0	1 increasing continuously	0.86033
0	0 stables	0.79244
0	0 stables	0.74226
0	0 stables	0.75199
0	0 stables	0.97417
0	0 stables	0.86379
0	-1 decreasing continuously	0.94551
0	1 increasing early	0.78433
1	0 increasing late	1.0502
0	0 stables	5.06166
0	0 stables	5.06166
0	-1 early decrease	2.11269
0	0 stables	1.90048
0	0 stables	1.22656
0	0 stables	1.0044
0	1 increasing early	0.95391
0	0 stables	0.93614
0	0 increasing early	0.89147
0	0 early decrease	0.87736
0	1 increasing early	0.86334

0	1 increasing early	0.8579
0	0 increasing early	0.84847
0	1 increasing early	0.79327
0	0 stables	0.74458
0	0 stables	1.00229
1	0 increasing late	1.02401
1	1 increasing late	0.86632
0	0 stables	0.7324
1	1 increasing continuously	0.9419
1	1 increasing continuously	0.82952
0	0 stables	1.35864
0	0 stables	1.09322
0	0 stables	0.94832
0	1 increasing continuously	0.89684
0	0 increasing early	0.88634
0	0 stables	0.87402
0	1 increasing early	0.81935
0	0 stables	0.80777
0	0 stables	0.67333
-1	1 unclass	0.8016
1	1 increasing continuously	0.90005
0	0 stables	1.07527
0	0 increasing early	0.91444
0	1 increasing early	0.90722
0	0 stables	0.88598
0	1 increasing early	0.87108
0	1 increasing continuously	0.87002
0	1 increasing early	0.81176
0	1 increasing early	0.8101
0	0 stables	0.78975
0	0 increasing early	0.72808
0	0 increasing early	0.7019
-1	-1 decreasing late	0.91426
0	0 stables	0.76122
0	0 stables	0.62398
0	0 stables	1.16155
0	0 stables	0.98953
0	0 stables	0.96756
0	0 stables	0.9152
0	0 stables	0.86523
0	0 stables	0.8449
1	0 increasing late	1.04074
1	0 increasing late	1.03964
1	1 increasing late	0.88374
1	0 unclass	0.93078
0	-1 early decrease	1.51893
0	-1 early decrease	1.46196
0	-1 early decrease	1.45997
0	-1 early decrease	1.34122
0	-1 early decrease	1.28043

0	-1 early decrease	1.14861
0	0 stables	1.05282
0	0 stables	1.04565
0	0 stables	1.04058
0	0 increasing early	0.97933
0	0 stables	0.97262
0	0 stables	0.95556
0	0 stables	0.94476
0	0 early decrease	0.93941
0	1 increasing early	0.93899
0	1 increasing early	0.90289
0	0 stables	0.88554
0	0 stables	0.88438
0	1 increasing early	0.86517
0	1 increasing early	0.86323
0	1 increasing early	0.85203
0	1 increasing early	0.84743
0	1 increasing early	0.83441
0	1 increasing early	0.8239
0	0 stables	0.82224
0	0 increasing early	0.82017
0	0 increasing early	0.80723
0	1 increasing early	0.80581
0	-1 early decrease	0.80443
0	0 stables	0.80342
0	1 increasing early	0.78456
0	0 stables	0.76058
-1	0 unclass	0.86002
-1	1 unclass	0.80003
0	0 stables	0.92722
0	0 stables	0.81732
1	1 increasing late	0.86788
0	0 early decrease	1.26135
0	0 stables	0.79738
0	-1 decreasing continuously	0.89567
0	-1 decreasing continuously	0.85261
0	0 stables	0.82739
0	0 increasing early	0.80543
0	1 increasing early	0.94883
0	1 increasing early	0.85996
0	0 stables	0.73488
0	0 stables	0.97747
1	0 increasing late	0.96584
1	0 unclass	0.97507
1	0 unclass	0.88427
1	-1 unclass	0.87244
0	-1 early decrease	1.27534
0	0 stables	1.01174
0	0 stables	0.98135
0	0 stables	0.95735

0	0 stables	0.91756
0	0 increasing early	0.75527
-1	1 unclass	0.89733
0	0 stables	0.88702
0	0 early decrease	0.79346
0	0 stables	0.74631
-1	-1 decreasing late	1.35855
-1	0 unclass	0.79517
0	1 increasing continuously	0.95376
0	0 stables	0.92985
0	0 early decrease	0.68604
0	-1 early decrease	1.0583
0	-1 decreasing continuously	1.05979
1	0 unclass	0.96939
0	0 stables	0.77901
0	0 stables	0.96742
0	-1 decreasing continuously	0.94292
1	-1 unclass	0.85542
1	-1 unclass	0.82011
-1	-1 decreasing continuously	1.10802
0	0 early decrease	0.90495
0	0 early decrease	0.72951
0	-1 early decrease	1.01427
0	0 early decrease	0.88412
0	0 stables	0.94774
0	0 stables	1.10767
1	0 unclass	1.00695
0	0 early decrease	1.02698
0	-1 early decrease	1.0705
0	-1 early decrease	1.08712
0	0 early decrease	1.17252
1	0 unclass	0.48851
0	-1 early decrease	1.07657
1	0 unclass	0.69655
0	-1 early decrease	1.16394
0	0 stables	1.40492
0	0 stables	0.95586
1	-1 unclass	0.85142
0	-1 early decrease	1.03032
0	-1 early decrease	1.02242
0	-1 early decrease	0.70068
0	0 early decrease	0.77594
1	0 unclass	0.69575
0	0 stables	1.04385
0	0 early decrease	0.9713
0	0 stables	0.96427
0	-1 early decrease	0.76354
0	0 stables	0.73024
-1	-1 decreasing continuously	0.77828
-1	0 decreasing late	0.9238

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-1	-1 decreasing continuously	0.78869
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0	-1 decreasing continuously	0.93633
0	0 stables	0.81099
-1	-1 decreasing late	1.05475
0	0 stables	0.76743
-1	-1 decreasing continuously	0.97841
0	0 stables	0.90126
1	-1 unclass	0.73478
0	-1 decreasing continuously	0.814
0	-1 early decrease	0.83052
0	-1 early decrease	1.06279
0	-1 early decrease	0.82616
-1	0 decreasing late	0.91745
0	-1 early decrease	0.7049
0	1 increasing early	0.8502
0	0 stables	0.96046
0	0 increasing early	0.95607
0	0 stables	0.95355
0	0 early decrease	0.9095
0	0 stables	0.90555
0	0 stables	0.88906
0	1 increasing early	0.88337
0	1 increasing early	0.87902
0	0 stables	0.87271
0	0 stables	0.87213
0	1 increasing continuously	0.82514
0	0 stables	0.80888
0	0 stables	0.79609
-1	-1 decreasing late	1.03119
-1	-1 decreasing late	0.92267
-1	-1 decreasing late	0.78761
0	0 stables	1.26169
0	0 stables	1.11059
0	0 stables	0.96246
0	0 stables	0.91143
0	0 stables	0.72447
0	0 stables	0.88763
0	0 stables	1.77759
0	1 increasing early	0.84102
-1	1 unclass	0.84558
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0	0 increasing early	0.82659
0	0 increasing early	0.78021
-1	-1 unclass	0.88089
-1	-1 unclass	0.75294
0	1 increasing early	0.8587
0	1 increasing early	0.79703
0	1 increasing early	0.87702

0	0 stables	1.20973
0	0 stables	0.90626
0	0 increasing early	0.78908
0	0 stables	0.6726
-1	-1 decreasing late	2.24696
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0	0 stables	0.61583
0	1 increasing early	0.77818
0	0 stables	0.9435
0	0 stables	0.97234
1	1 increasing late	0.89223
0	0 stables	1.15002
0	-1 early decrease	1.12489
0	1 increasing early	0.90896
0	1 increasing early	0.86898
0	0 stables	0.80703
0	-1 early decrease	0.78948
0	1 increasing early	0.76577
0	0 stables	0.75857
1	1 increasing late	0.77664
1	1 increasing late	0.8645
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0	0 increasing early	0.89197
0	1 increasing early	0.87599
0	1 increasing continuously	0.86988
0	1 increasing early	0.8328
0	0 stables	0.74943
1	-1 unclass	1.42014
1	0 increasing late	0.82348
0	0 early decrease	1.79024
0	-1 early decrease	1.42702
0	0 stables	1.11102
0	0 stables	0.86621
0	0 stables	0.8219
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1	0 increasing late	1.20884
1	0 increasing late	1.10089
0	0 increasing early	0.83882
0	0 stables	2.7942
0	0 stables	1.28069
0	0 stables	1.0099
-1	-1 decreasing late	0.74644
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0	0 stables	1.37417

0	0 early decrease	0.91761
0	1 increasing early	0.84714
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0	0 increasing early	1.13972
0	0 increasing early	1.09666
0	1 increasing early	0.94172
0	0 stables	0.93627
0	0 stables	0.92941
0	0 increasing early	0.88797
0	0 increasing early	0.87192
0	1 increasing early	0.85809
0	0 increasing early	0.84619
0	0 stables	0.83312
0	1 increasing early	0.82706
0	0 stables	0.77232
0	0 increasing early	1.00603
0	0 stables	0.89597
0	0 stables	1.10894
0	1 increasing early	0.84428
0	0 stables	0.84812
0	0 stables	0.74838
-1	-1 decreasing continuously	0.75694
0	-1 early decrease	3.49346
0	-1 early decrease	1.09768
0	0 stables	0.7355
0	0 stables	1.0184
0	0 stables	1.57388
0	0 stables	0.95168
0	0 stables	0.94184
0	0 stables	0.80827
0	0 stables	0.70906
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0	0 stables	1.10417
0	1 increasing early	0.90602
0	1 increasing early	0.8687
0	0 stables	0.77746
-1	0 decreasing late	1.45087
-1	-1 unclass	0.85841
0	0 stables	0.8074
0	0 stables	0.92951
0	0 stables	0.95119
-1	0 decreasing late	1.09959

0	0 stables	1.28112
0	1 increasing continuously	0.95098
0	0 stables	0.90844
0	1 increasing early	0.83671
0	1 increasing continuously	0.72063
0	-1 decreasing continuously	0.76992
0	0 stables	0.82559
0	0 stables	0.91101
0	-1 decreasing continuously	0.90027
0	1 increasing early	0.95268
0	0 stables	1.18136
-1	-1 decreasing late	0.7997
-1	-1 unclass	0.77092
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0	1 increasing early	0.99791
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0	1 increasing early	1.01518
0	1 increasing early	0.86669
0	1 increasing early	0.78933
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0	0 increasing early	0.91931
0	1 increasing early	0.89501
0	1 increasing early	0.89287
0	0 stables	0.77865
0	0 stables	0.77865
0	0 stables	0.98804
0	-1 early decrease	0.83106
0	0 increasing early	0.8365
1	0 increasing late	0.97109
1	0 increasing late	0.89077
1	0 unclass	0.96322
1	0 unclass	0.91504
1	0 unclass	0.90995
0	0 stables	0.99063
0	0 stables	0.94022
0	0 stables	0.87496
0	-1 early decrease	1.62134
0	0 stables	0.90619
0	0 stables	1.34804
0	0 stables	1.32683
0	0 stables	1.23243
0	0 stables	1.22561
0	0 stables	1.16415
0	0 stables	1.14314
0	0 stables	1.11877
0	0 stables	0.88453
0	0 stables	0.83153
0	0 stables	0.7997
0	1 increasing early	0.85472

0	0 stables	1.20811
0	0 stables	1.27737
0	0 stables	3.46571
0	0 stables	1.46268
1	1 increasing late	1.37906
1	-1 unclass	0.98424
0	0 stables	1.32198
0	0 early decrease	1.14834
0	0 early decrease	0.97639
0	0 stables	0.96307
0	-1 early decrease	0.86713
0	-1 early decrease	0.86528
1	0 unclass	0.97823
0	0 stables	3.024
0	1 increasing early	0.89735
1	1 increasing continuously	1.42377
0	1 increasing continuously	0.97242
0	0 stables	0.84358
0	-1 decreasing continuously	1.08994
0	0 stables	0.98936
-1	0 unclass	0.9656
1	0 increasing late	0.87748
0	1 increasing early	0.89983
0	0 stables	0.94929
0	0 stables	0.80728
0	0 stables	1.25901
1	1 increasing late	0.93018
0	0 stables	0.95354
0	0 stables	0.90853
0	1 increasing early	0.90535
0	0 stables	1.32763
0	0 early decrease	1.25231
0	0 early decrease	1.21715
0	0 stables	0.88132
0	0 stables	0.86603
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0	-1 early decrease	1.34013
1	0 unclass	1.64628
0	0 stables	1.42114
0	-1 early decrease	1.56406
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0	0 stables	1.36964
1	1 increasing continuously	0.83813
0	1 increasing early	0.9976
0	1 increasing continuously	0.98459
0	0 stables	0.89528
0	1 increasing continuously	0.8471
0	0 stables	0.76866
0	1 increasing continuously	0.65956

0	0 stables	0.84232
0	1 increasing early	1.05521
0	0 early decrease	1.40131
0	0 stables	0.77066
0	0 stables	1.67505
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0	1 increasing early	1.07215
0	0 increasing early	0.89384
0	0 stables	1.11862
-1	-1 decreasing continuously	0.97298
0	1 increasing continuously	0.93769
0	0 stables	0.85302
0	0 stables	0.96829
0	0 increasing early	0.76335
0	0 stables	0.71932
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0	-1 decreasing continuously	1.80723
-1	-1 decreasing continuously	1.93999
-1	-1 decreasing late	0.78232
0	1 increasing early	0.82104
0	0 early decrease	2.80391
0	0 stables	1.14517
1	1 increasing continuously	0.89215
1	1 increasing late	1.52501
0	0 increasing early	1.27922
0	0 stables	1.11306
0	1 increasing early	1.0888
0	0 increasing early	1.0587
0	0 stables	0.99031
0	0 increasing early	0.97752
0	0 stables	0.97749
0	0 stables	0.95211
0	0 stables	0.94664
0	0 increasing early	0.94518
0	1 increasing early	0.92935
0	0 stables	0.89477
0	-1 early decrease	0.87865
0	1 increasing early	0.86678
0	0 stables	0.82012
-1	-1 decreasing late	1.00653
-1	-1 decreasing late	0.9946
-1	0 unclass	1.0331
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0	-1 decreasing continuously	1.79209
0	0 stables	1.60033
0	-1 early decrease	1.49399
0	0 increasing early	1.44209
0	0 increasing early	0.99814

1	0 unclass	2.16813
0	0 stables	0.97289
1	1 increasing late	1.48994
0	1 increasing continuously	1.29173
0	1 increasing continuously	1.28292
0	1 increasing continuously	1.22913
1	1 increasing late	1.56231
0	0 stables	1.54711
0	0 stables	1.4888
0	1 increasing early	1.32506
0	0 stables	1.15678
0	0 stables	0.70293
0	-1 early decrease	1.65597
0	-1 early decrease	1.65561
0	0 stables	0.92037
0	1 increasing continuously	0.92346
0	-1 early decrease	1.61509
0	0 stables	0.92248
0	0 stables	1.08169

Accession MW

Cs5g1477(33153
Cs5g0417(61453
Cs8g0742(53524
Cs6g1137(49128
Cs3g1686(57382
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Cs2g2462(31301
Cs1g0713(32637
Cs2g1172(22455
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Cs4g0521(80332
orange1.1t 69677
Cs6g2063(31226

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Cs5g3164(19061
Cs3g2728(57191
Cs3g2729(56925
Cs7g1924(29414
Cs9g1713(25999
Cs7g1641(31164
Cs2g2043(46864
Cs5g3386(42564
Cs2g0832(66951
Cs8g0277(47216
Cs5g2568(24147
Cs1g2633(35321
Cs9g1721(20565
Cs6g1190(31782
Cs7g1940(60990
Cs1g2638(40270
Cs7g0291(27348
Cs7g0789(43510
Cs1g1793(46031
Cs9g0167(53852
Cs7g0224(59095
Cs4g1873(53160
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Cs4g02110 29176
Cs8g02310 54362
Cs5g02680 26276
Cs8g19810 57329
Cs1g21440 29253
Cs6g20640 29305
Cs7g01840 41898

Annotation

Symbols: GLX2-3, ETHE1, GLY3 | GLY3 (GLYOXALASE II 3); hydrolase/ hydroxyacylglutathione hyd
Symbols: ALDH12A1, ATP5CDH, P5CDH | ALDH12A1; 1-pyrroline-5-carboxylate dehydrogenase/ 3-ch
diaminopimelate decarboxylase, putative / DAP carboxylase, putative | chr5:3827526-3829986 REVERSE
Symbols: POP2, GABA-T, HER1 | POP2 (POLLEN-PISTIL INCOMPATIBILITY 2); 4-aminobutyrate tra
Symbols: SHM1, STM, SHMT1 | SHM1 (SERINE TRANSHYDROXYMETHYLTRANSFERASE 1); gly
Symbols: ATPME3 | ATPME3; pectinesterase | chr3:4771902-4775119 REVERSE
Symbols: ATPHB2 | ATPHB2 (PROHIBITIN 2) | chr1:979308-981885 REVERSE
Symbols: ATPHB2 | ATPHB2 (PROHIBITIN 2) | chr1:979308-981885 REVERSE
Symbols: ANNAT1, OXY5, ATOXY5 | ANNAT1 (ANNEXIN ARABIDOPSIS 1); ATP binding / calcium
Symbols: ANNAT2 | ANNAT2 (Annexin Arabidopsis 2); calcium ion binding / calcium-dependent phosph
DNA binding | chr3:19346799-19349513 REVERSE
Symbols: CSY2 | CSY2 (citrate synthase 2); citrate (SI)-synthase | chr3:21724314-21727690 REVERSE
Symbols: PMDH1 | PMDH1 (PEROXISOMAL NAD-MALATE DEHYDROGENASE 1); L-malate dehy
Symbols: PPK | PPK (pyruvate orthophosphate dikinase); kinase/ pyruvate, phosphate dikinase | chr4:8
Symbols: AIR12 | AIR12; extracellular matrix structural constituent | chr3:2365301-2366496 FORWARD
Symbols: DWF1, DIM, EVE1, DIM1, CBB1 | DWF1 (DWARF 1); calmodulin binding / catalytic | chr3:68
multiprotein bridging factor 1B
Symbols: LOX2, ATLOX2 | LOX2 (LIPOXYGENASE 2); lipoxygenase | chr3:16525410-16529352 FOR
Symbols: KAS I | KAS I (3-KETOACYL-ACYL CARRIER PROTEIN SYNTHASE I); catalytic/ fatty-ac
Symbols: AIM1 | AIM1 (ABNORMAL INFLORESCENCE MERISTEM); enoyl-CoA hydratase | chr4:14
Symbols: HGL1 | HGL1 (heteroglycan glucosidase 1); hydrolase, hydrolyzing O-glycosyl compounds | chr
Symbols: HGL1 | HGL1 (heteroglycan glucosidase 1); hydrolase, hydrolyzing O-glycosyl compounds | chr
Symbols: ATISA2, ISA2, DBE1, BE2 | isoamylase, putative / starch debranching enzyme, putative | chr1:8
Symbols: ATX1, ATATX1 | ATX1 (ARABIDOPSIS HOMOLOG OF ANTI-OXIDANT 1); metal ion bin
Symbols: CYP72A15 | CYP72A15; electron carrier/ heme binding / iron ion binding / monooxygenase/ ox
Symbols: ATNSI | ATNSI (NUCLEAR SHUTTLE INTERACTING); N-acetyltransferase | chr1:11534684
Symbols: BGLU42 | BGLU42 (BETA GLUCOSIDASE 42); beta-glucosidase/ catalytic/ cation binding / h
FAD-binding Berberine family protein
Symbols: COX6B, ATCOX6B2 | COX6B (CYTOCHROME C OXIDASE 6B); cytochrome-c oxidase | ch
unknown protein | chr2:9320195-9322734 REVERSE
Symbols: ATPQ | ATPQ (ATP SYNTHASE D CHAIN, MITOCHONDRIAL); hydrogen ion transmembra
ATP synthase delta chain, mitochondrial, putative / H(+)-transporting two-sector ATPase, delta (OSCP) su
ATP synthase beta chain, mitochondrial, putative | chr5:2821928-2824966 FORWARD
Symbols: APFI, GAMMA CA2 | GAMMA CA2 (GAMMA CARBONIC ANHYDRASE 2); carbonate del
NADH-ubiquinone oxidoreductase-related | chr5:21413646-21415006 FORWARD
binding / catalytic/ coenzyme binding | chr2:8785988-8789473 FORWARD
Symbols: ATPCAP1, PCAP1 | DREPP plasma membrane polypeptide family protein | chr4:10940739-109
Symbols: ATPHB3 | ATPHB3 (PROHIBITIN 3) | chr5:16314850-16316719 REVERSE
cytidyltransferase family | chr1:19745046-19747245 REVERSE
YGGT family protein | chr4:13923773-13924692 REVERSE
forkhead-associated domain-containing protein / FHA domain-containing protein | chr2:9219324-9220590
Symbols: ACYB-2 | ACYB-2; carbon-monoxide oxygenase | chr4:13053686-13055623 REVERSE
unknown protein | chr2:15278769-15280604 FORWARD
binding | chr5:26189725-26190591 REVERSE
Symbols: AVP1, ATAVP3, AVP-3 | AVP1; ATPase/ hydrogen-translocating pyrophosphatase | chr1:53989
Symbols: AVP1, ATAVP3, AVP-3 | AVP1; ATPase/ hydrogen-translocating pyrophosphatase | chr1:53989
band 7 family protein | chr1:26293660-26295834 REVERSE

band 7 family protein | chr1:26293660-26295834 REVERSE
 Symbols: MPPBETA | mitochondrial processing peptidase beta subunit, putative | chr3:365549-368911 FC
 mitochondrial processing peptidase alpha subunit, putative | chr1:19323382-19326916 REVERSE
 Symbols: ATEGY3, EGY3 | EGY3 (ETHYLENE-DEPENDENT GRAVITROPISM-DEFICIENT AND Y
 Symbols: CLPR2, NCLPP2, CLP2 | CLP2 (CLP PROTEASE PROTEOLYTIC SUBUNIT 2); serine-type
 Symbols: UBC28 | ubiquitin-conjugating enzyme, putative | chr1:23833563-23835536 FORWARD
 Symbols: BIP1 | BIP1; ATP binding | chr5:10540460-10543375 REVERSE
 Symbols: BIP1 | BIP1; ATP binding | chr5:10540460-10543375 REVERSE
 Symbols: BIP, BIP2 | BIP2; ATP binding | chr5:16807483-16810646 REVERSE
 60S ribosomal protein L26 (RPL26A) | chr3:18504256-18504967 FORWARD
 60S ribosomal protein L36 (RPL36B) | chr3:19913707-19915016 REVERSE
 ribosomal protein L7Ae/L30e/S12e/Gadd45 family protein | chr4:11811750-11813000 REVERSE
 Symbols: EMB2296 | EMB2296 (embryo defective 2296); structural constituent of ribosome | chr2:78371C
 yrdC family protein | chr3:317432-319121 FORWARD
 NADH-plastoquinone oxidoreductase subunit J [Citrus sinensis]
 Symbols: CAB2, AB165, LHCB1.1 | CAB2 (CHLOROPHYLL A/B-BINDING PROTEIN 2); chlorophyll
 Symbols: LHCB2.1, LHCB2 | LHCB2.1; chlorophyll binding | chr2:1823240-1824425 REVERSE
 (S)-2-hydroxy-acid oxidase, peroxisomal, putative / glycolate oxidase, putative / short chain alpha-hydroxy
 oxidoreductase family protein | chr1:30044746-30046027 FORWARD
 Symbols: ATGPX6, PHGPX, LSC803 | ATGPX6 (GLUTATHIONE PEROXIDASE 6); glutathione perox
 Symbols: CAT2 | CAT2 (CATALASE 2); catalase | chr4:16700596-16703325 REVERSE
 Symbols: CAT2 | CAT2 (CATALASE 2); catalase | chr4:16700596-16703325 REVERSE
 Symbols: FSD2 | FSD2 (FE SUPEROXIDE DISMUTASE 2); superoxide dismutase | chr5:20773296-2077
 Symbols: membrane-associated progesterone binding protein 3; ATMP2, ATMAPR3, MSBP2, MAPR3 | A
 Symbols: ATCBR, CBR1 | ATCBR (ARABIDOPSIS THALIANA NADH:CYTOCHROME B5 REDUCT
 Symbols: ATPDIL2-2, ATPDI10, PDI10 | ATPDIL2-2 (PDI-LIKE 2-2); protein disulfide isomerase | chr1:
 Symbols: ATPDIL2-1, UNE5, MEE30, PDI11, ATPDI11 | UNE5 (UNFERTILIZED EMBRYO SAC 5); p
 Symbols: ERD4 | ERD4 (early-responsive to dehydration 4); senescence/dehydration-associated protein-rel
 Symbols: ERD7 | ERD7 (EARLY-RESPONSIVE TO DEHYDRATION 7); senescence/dehydration-assoc
 RmlC-like cupins superfamily protein; germin-like protein, putative | chr5:15657802-15658584 REVERSE
 Symbols: ATHCHIB, PR3, PR-3, CHI-B, B-CHI | ATHCHIB (ARABIDOPSIS THALIANA BASIC CHI
 remorin family protein | chr3:18142863-18144163 REVERSE
 29 kDa ribonucleoprotein, chloroplast, putative / RNA-binding protein cp29, putative | chr2:15634525-156
 Symbols: CNX1, ATCNX1 | calnexin 1 (CNX1) | chr5:24827102-24829791 REVERSE
 Symbols: IDH1 | IDH1 (ISOCITRATE DEHYDROGENASE 1); isocitrate dehydrogenase (NAD⁺)/ oxido
 Symbols: MAB1 | MAB1 (MACCI-BOU); catalytic/ pyruvate dehydrogenase (acetyl-transferring) | chr5:20
 Symbols: AT-E1 ALPHA | AT-E1 ALPHA; oxidoreductase, acting on the aldehyde or oxo group of donor:
 dihydrolipoamide S-acetyltransferase, putative | chr3:4595876-4600469 FORWARD
 Symbols: mtLPD1 | mtLPD1 (mitochondrial lipoamide dehydrogenase 1); ATP binding / dihydrolipoyl del
 hydrolase, alpha/beta fold family protein | chr5:4451837-4454576 REVERSE
 Symbols: FC1, FC-I, ATFC-I | FC1 (ferrochelatae 1); ferrochelatae | chr5:9096460-9099178 FORWARD
 Symbols: PDR6, ATPDR6 | PDR6; ATPase, coupled to transmembrane movement of substances | chr2:152
 Symbols: PDR6, ATPDR6 | PDR6; ATPase, coupled to transmembrane movement of substances | chr2:152
 Symbols: TMP-C, PIP1;4, PIP1E | PIP1;4 (PLASMA MEMBRANE INTRINSIC PROTEIN 1;4); water ch
 sugar transporter family protein | chr5:23903892-23906977 FORWARD
 mitochondrial phosphate transporter | chr5:4530643-4533070 REVERSE
 dicarboxylate/tricarboxylate carrier (DTC) | chr5:6679306-6682001 REVERSE
 Symbols: AAC3, ATAAC3 | AAC3 (ADP/ATP CARRIER 3); ATP:ADP antiporter/ binding | chr4:140412
 SEC14 cytosolic factor family protein / phosphoglyceride transfer family protein | chr4:5839683-5842394 |
 Symbols: VMA10, AVMA10 | VMA10 (VACUOLAR MEMBRANE ATPASE 10); hydrogen ion transpo

vacuolar ATP synthase subunit D (VATD) / V-ATPase D subunit / vacuolar proton pump D subunit (VAT)
vacuolar ATP synthase subunit B, putative / V-ATPase B subunit, putative / vacuolar proton pump B subunit
Symbols: TUF, emb2448, TUFF, VHA-E1 | TUF (VACUOLAR ATP SYNTHASE SUBUNIT E1); protosp.
Symbols: PHT4;3 | transporter-related | chr3:17307055-17309938 REVERSE
Symbols: VDAC2, ATVDAC2 | VDAC2 (VOLTAGE DEPENDENT ANION CHANNEL 2); voltage-gated
Symbols: VDAC1, ATVDAC1 | VDAC1 (VOLTAGE DEPENDENT ANION CHANNEL 1); voltage-gated
Symbols: AAC2 | AAC2 (ADP/ATP carrier 2); ATP:ADP antiporter/ binding | chr5:4335467-4337628 FO

Supplemental Table S6. Set of 104 differentially expressed proteins between OMa and Ma stage

AT homolog	Mapman class	Number of identified peptides	Number of identified proteins
AT1G5358	13.2.3. amino acid metabolism.degradation.aspartate family.threonine	11	6
AT5G6253	13.2.2. amino acid metabolism.degradation.glutamate family.proline	13	8
AT5G1188	13.1.3. amino acid metabolism.synthesis.aspartate family.lysine.diaminopimelate	34	13
AT3G2220	13.1.1. amino acid metabolism.synthesis.central amino acid metabolism.GABA.	20	9
AT4G3793	25.1 C1-metabolism.glycine hydroxymethyltransferase	5	2
AT3G1431	10.8.1 cell wall.pectin*esterases.PME	4	3
AT1G0386	31.3 cell.cycle	6	5
AT1G0386	31.3 cell.cycle	3	3
AT1G3572	31.1 cell.organisation	74	16
AT5G6502	31.1 cell.organisation	18	8
AT3G5217	28.3* DNA.plastid nucleoid interacting	6	5
AT3G5875	6.1 gluconeogenese/ glyoxylate cycle.citrate synthase	12	6
AT2G2278	6.3 gluconeogenesis.Malate DH	13	6
AT4G1553	4.4 glycolysis.PPFK	6	5
AT3G0739	17.2.3 hormone metabolism.auxin.induced-regulated-responsive-activated	3	2
AT3G1982	17.3.1. hormone metabolism.brassinosteroid.synthesis-degradation.sterols.DWF	6	6
AT3G5868	17.5.3 hormone metabolism.ethylene.induced-regulated-responsive-activated	4	4
AT3G4514	17.7.1. hormone metabolism.jasmonate.synthesis-degradation.lipoxygenase	6	5
AT5G4629	11.1.3 lipid metabolism.FA synthesis and FA elongation.ketoacyl ACP synthase	20	4
AT4G2901	11.9.4. lipid metabolism.lipid degradation.beta-oxidation.mutifunctional	12	9
AT3G2364	2.2.2.1 major CHO metabolism.degradation.starch.starch cleavage	16	6
AT3G2364	2.2.2.1 major CHO metabolism.degradation.starch.starch cleavage	22	9
AT1G0331	2.1.2.4 major CHO metabolism.synthesis.starch.debranching	8	7
AT1G6624	15.2 metal handling.binding, chelation and storage	9	3
AT3G1469	26.1 misc.cytochrome P450	12	7
AT1G3207	26.24 misc.GCN5-related N-acetyltransferase	3	3
AT5G3689	26.3 misc.gluco-, galacto- and mannosidases	3	2
AT4G2084	26.8 misc.nitrilases, *nitrile lyases, berberine bridge enzymes, reticuline oxidase	7	5
AT1G2245	9.7 Electron transport / ATP synthesis.cytochrome c oxidase	6	3
AT2G2187	9.9 Electron transport / ATP synthesis.F1-ATPase	16	4
AT3G5230	9.9 Electron transport / ATP synthesis.F1-ATPase	13	6
AT5G1345	9.9 Electron transport / ATP synthesis.F1-ATPase	18	9
AT5G0868	9.9 Electron transport / ATP synthesis.F1-ATPase	49	16
AT1G4726	9.1.1.5 Electron transport / ATP synthesis.NADH-DH.carbonic anhydrase	5	5
AT5G5284	9.1.1 Electron transport / ATP synthesis.NADH-DH.complex I	2	2
AT2G2036	9.1.1 Electron transport / ATP synthesis.NADH-DH.complex I	4	4
AT4G2026	35.1 not assigned.no ontology	23	8
AT5G4077	35.1 not assigned.no ontology	13	6
AT1G5300	35.1 not assigned.no ontology	7	4
AT4G2799	35.1 not assigned.no ontology	5	2
AT2G2153	35.1 not assigned.no ontology	8	5
AT4G2557	35.2 not assigned.unknown	2	1
AT2G3641	35.2 not assigned.unknown	4	2
AT5G6552	35.2 not assigned.unknown	8	5
AT1G1569	23.4.9% nucleotide metabolism.phosphotransfer and pyrophosphatases.misc	22	11
AT1G1569	23.4.9% nucleotide metabolism.phosphotransfer and pyrophosphatases.misc	25	11
AT1G6984	29.5 protein.degradation	3	2

AT1G6984	29.5	protein.degradation	3	2
AT3G0209	29.5	protein.degradation	19	11
AT1G5198	29.5	protein.degradation	12	7
AT1G1787	29.5.7	protein.degradation.metalloprotease	40	10
AT1G1241	29.5.5	protein.degradation.serine protease	8	4
AT1G6423	29.5.11	protein.degradation.ubiquitin.E2	4	1
AT5G2854	29.6	protein.folding	6	3
AT5G2854	29.6	protein.folding	31	13
AT5G4202	29.6	protein.folding	32	13
AT3G4991	29.2.1.	protein.synthesis.ribosomal protein.eukaryotic.60S subunit.L26	2	2
AT3G5374	29.2.1.	protein.synthesis.ribosomal protein.eukaryotic.60S subunit.L36	3	2
AT4G2238	29.2.1.	protein.synthesis.ribosomal protein.eukaryotic.60S subunit.L7/L30/S12	2	2
AT2G1802	29.2.1.	Protein.synthesis.ribosomal protein.eukaryotic.60S subunit.L8	14	5
AT3G0192	29.2.7*	protein.synthesis.ribosome biogenesis	7	5
	1.1.6	PS.lightreaction.NADH DH	3	2
AT1G2992	1.1.1.1	PS.lightreaction.photosystem II.LHC-II	2	2
AT2G0510	1.1.1.1	PS.lightreaction.photosystem II.LHC-II	3	2
AT3G1442	1.2.2	PS.photorespiration.glycolate oxydase	23	8
AT1G7987	1.2.6	PS.photorespiration.hydroxypyruvate reductase	7	5
AT4G1160	21.2.2	redox.ascorbate and glutathione.glutathione	3	2
AT4G3509	21.6	redox.dismutases and catalases	23	9
AT4G3509	21.6	redox.dismutases and catalases	18	6
AT5G5110	21.6	redox.dismutases and catalases	13	3
AT3G4889	21.3	redox.heme	13	6
AT5G1777	21.99	redox.misc	7	4
AT1G0498	21.1	redox.thioredoxin	7	4
AT2G4747	21.1	redox.thioredoxin	23	10
AT1G3036	20.2.3	stress.abiotic.drought/salt	5	4
AT2G1784	20.2.3	stress.abiotic.drought/salt	6	3
AT5G3911	20.2.9	stress.abiotic.unspecified	11	3
AT3G1250	20.1	stress.biotic	9	5
AT3G4894	27.3.9	RNA.regulation of transcription.unclassified	5	2
AT2G3722	27.4	RNA.RNA binding	5	2
AT5G6179	30.3	signalling.calcium	40	14
AT4G3526	8.1.4	TCA / org.transformation.TCA.IDH	8	5
AT5G5085	8.1.1.1	TCA / org.transformation.TCA.pyruvate DH.E1	11	5
AT1G5990	8.1.1.1	TCA / org.transformation.TCA.pyruvate DH.E1	16	11
AT3G1393	8.1.1.2	TCA / org.transformation.TCA.pyruvate DH.E2	20	10
AT1G4803	8.1.1.3	TCA / org.transformation.TCA.pyruvate DH.E3	36	14
AT5G1380	19.50*	tetrapyrrole degradation	10	5
AT5G2603	19.2	tetrapyrrole synthesis.ferrochelatase	8	5
AT2G3638	34.16	transport.ABC transporters and multidrug resistance systems	18	12
AT2G3638	34.16	transport.ABC transporters and multidrug resistance systems	10	7
AT4G0043	34.19.1	transport.Major Intrinsic Proteins.PIP	6	3
AT5G5925	34.8	transport.metabolite transporters at the envelope membrane	3	1
AT5G1404	34.9	transport.metabolite transporters at the mitochondrial membrane	10	5
AT5G1976	34.9	transport.metabolite transporters at the mitochondrial membrane	8	6
AT4G2839	34.9	transport.metabolite transporters at the mitochondrial membrane	30	12
AT4G0916	34.99	transport.misc	48	23
AT3G0139	34.1	transport.p- and v-ATPases	17	6

AT3G5873	34.1.1	transport.p- and v-ATPases.H+-transporting two-sector ATPase	21	10
AT4G3851	34.1.1	transport.p- and v-ATPases.H+-transporting two-sector ATPase	30	13
AT4G1115	34.1.1	transport.p- and v-ATPases.H+-transporting two-sector ATPase	25	8
AT3G4698	34.7	transport.phosphate	2	2
AT5G6750	34.2	transport.porins	18	6
AT3G0128	34.2	transport.porins	10	5
AT5G1349	34.14	transport.unspecified cations	26	10

Coverage	PI	Ma/113			OMa/113			Average		Standard Deviation		p-value
		Repea	Repea	Repea	Repea	Repea	Repea	Ma/113	OMa/113	Ma/113	OMa/113	pval(OMa
27.63%	8.28	1.03	1.27	1.42	0.93	0.83	0.83	1.24263	0.864	0.19738	0.06066	0.03366
16.27%	6.72	0.76	0.94	0.95	1.32	1.2	1.31	0.88273	1.27947	0.10946	0.06672	0.00584
28.25%	7.57	1.07	1.17	1.21	0.72	0.83	0.79	1.1476	0.7818	0.07168	0.05183	0.00201
21.65%	6.29	0.85	0.9	0.93	1.4	1.38	1.33	0.89413	1.37193	0.04074	0.03619	0.00011
3.65%	8.16	1.1	0.63	0.82	1.25	1.31	1.37	0.8489	1.30957	0.2342	0.06336	0.03025
5.21%	8.61	0.92	0.73	0.76	1.27	1.22	1.32	0.80243	1.2725	0.10217	0.05237	0.00209
21.11%	9.33	0.81	0.78	0.85	1.72	1.78	1.56	0.81427	1.685	0.0321	0.11092	0.0002
4.44%	5.53	0.84	1.04	1.08	1.63	1.52	1.36	0.9856	1.50383	0.12997	0.13743	0.009
49.53%	5.55	0.95	0.93	0.93	1.55	1.41	1.43	0.93903	1.46147	0.00837	0.07579	0.00029
27.44%	6.77	0.93	0.83	1.05	1.32	1.5	1.31	0.93693	1.37533	0.1079	0.10583	0.00736
13.95%	5.09	0.92	1.04	1.01	0.61	0.64	0.87	0.98817	0.70317	0.06332	0.14341	0.03455
12.65%	9.07	0.83	0.89	0.91	1.34	1.33	1.39	0.8762	1.3544	0.04052	0.03027	8.1E-05
18.26%	8.11	0.93	0.84	0.9	1.36	1.42	1.32	0.89017	1.36293	0.04389	0.05093	0.00026
6.45%	5.65	1.07	1.09	1.14	0.72	0.8	0.8	1.09923	0.77303	0.03681	0.04974	0.0008
8.79%	9.52	1.11	0.77	0.82	1.37	1.35	1.64	0.90173	1.4545	0.18613	0.16217	0.01787
11.09%	8.67	0.8	0.79	0.81	1.28	1.26	1.25	0.79723	1.26353	0.01013	0.01398	1.2E-06
38.10%	9.79	1.3	1.32	1.27	0.86	0.88	0.81	1.29497	0.849	0.02089	0.03342	4E-05
5.68%	6.03	0.56	0.76	0.72	0.43	0.42	0.54	0.68017	0.46177	0.10374	0.06766	0.03787
8.10%	7.13	1.04	1.06	0.94	0.68	0.6	0.77	1.01583	0.6839	0.06562	0.08684	0.00616
12.14%	9.17	0.82	0.69	0.89	1.33	1.3	0.97	0.79903	1.20127	0.0985	0.20035	0.03551
21.80%	5.22	1.1	1.19	1.15	0.8	0.89	0.77	1.14517	0.81733	0.04588	0.06372	0.00194
6.68%	5.74	1.1	1.19	1.14	0.79	0.83	0.82	1.142	0.81447	0.04478	0.02297	0.00035
9.44%	5.83	0.88	0.92	0.89	0.56	0.4	0.61	0.89827	0.5223	0.02148	0.10929	0.00427
43.82%	6.23	1.26	1.25	1.33	0.76	0.77	0.77	1.27897	0.7688	0.04102	0.00538	2.8E-05
14.72%	9.18	0.77	0.9	0.74	1.77	1.76	1.56	0.79997	1.69793	0.08582	0.11552	0.00042
11.76%	8.7	0.84	1.06	0.96	0.73	0.62	0.63	0.95523	0.66127	0.10959	0.06325	0.01581
2.84%	5.47	1.27	1.57	1.48	0.95	0.86	1.01	1.4391	0.94133	0.15588	0.07426	0.00753
5.72%	8.67	0.86	0.97	0.83	1.63	1.54	1.27	0.88523	1.47793	0.07442	0.18451	0.0067
14.51%	4.25	0.92	0.63	0.77	1.62	1.6	1.88	0.77133	1.70087	0.14538	0.15539	0.00164
14.11%	8.9	0.73	0.71	0.78	1.61	1.45	1.45	0.7424	1.5047	0.03575	0.0936	0.00019
36.09%	5.14	1	0.89	0.84	1.45	1.46	1.72	0.91217	1.54267	0.07911	0.15124	0.00306
34.45%	9.4	0.84	0.84	0.94	1.36	1.47	1.41	0.8741	1.41413	0.0589	0.05734	0.00034
36.14%	6.06	0.97	0.84	0.82	1.15	1.39	1.51	0.87797	1.3503	0.08263	0.18703	0.01611
19.93%	6.09	0.94	0.9	1.02	1.56	1.6	1.27	0.95197	1.47667	0.06087	0.18157	0.009
13.61%	4.92	0.98	0.5	0.7	1.16	1.2	1.51	0.7249	1.28917	0.23891	0.18813	0.03247
9.23%	9.26	0.85	0.9	0.87	1.13	1.39	1.46	0.8726	1.32903	0.02316	0.17205	0.01039
33.94%	5.03	0.96	0.69	0.74	1.44	1.56	2.26	0.79383	1.75233	0.14156	0.44006	0.02293
24.48%	8.01	0.87	0.72	0.84	1.48	1.48	1.46	0.81103	1.47433	0.07777	0.01261	0.00013
19.93%	6.2	0.9	0.94	0.99	1.4	1.61	1.6	0.94297	1.53493	0.0418	0.11734	0.00119
14.76%	10.3	1.67	1.36	1.33	0.88	0.75	0.75	1.4548	0.78997	0.18726	0.07376	0.00462
29.31%	6.98	1.12	1.72	1.34	0.74	0.86	0.66	1.39553	0.75387	0.30599	0.09848	0.02588
4.76%	7.06	0.92	0.67	0.79	2.03	2	1.67	0.79473	1.9004	0.12591	0.19602	0.00119
9.83%	6.79	0.87	0.51	0.78	1.62	1.5	1.16	0.7194	1.42593	0.18858	0.23624	0.0155
23.94%	8.95	0.8	0.9	1.02	1.47	1.32	2.02	0.90767	1.60163	0.10874	0.37031	0.03572
15.28%	5.24	0.84	0.9	0.93	1.59	1.5	1.53	0.88947	1.53797	0.04573	0.04647	6.7E-05
16.62%	5.86	0.82	0.89	0.89	1.44	1.25	1.48	0.86627	1.39143	0.03765	0.12334	0.00213
10.88%	5.39	0.47	0.65	0.64	3.17	3.14	2.61	0.58707	2.97153	0.10032	0.3125	0.00023

7.17%	5.33	0.47	0.65	0.64	3.17	3.14	2.61	0.58707	2.97153	0.10032	0.3125	0.00023
22.60%	6.26	0.86	0.74	0.81	1.64	1.55	1.91	0.8034	1.69733	0.06065	0.19029	0.00149
12.33%	6.24	0.91	0.78	0.79	1.6	1.6	1.52	0.82767	1.57297	0.07316	0.04642	0.00012
14.55%	5.97	1.03	1.09	1.01	0.68	0.67	0.75	1.04203	0.70163	0.04138	0.04243	0.00057
14.29%	9.3	1.22	1.16	1.09	0.9	0.83	0.71	1.15957	0.8139	0.0651	0.09987	0.00737
9.17%	7.81	1.56	1.38	1.31	0.9	0.86	0.89	1.41633	0.88377	0.12815	0.01981	0.00206
1.77%	8.96	0.8	0.9	0.89	1.41	1.15	1.36	0.8612	1.3081	0.05554	0.1359	0.0062
22.04%	5.22	0.78	0.87	0.88	1.18	1.22	1.29	0.84177	1.23063	0.05369	0.05522	0.00094
22.12%	5.03	0.78	0.91	0.85	1.25	1.21	1.23	0.84347	1.23143	0.0632	0.01721	0.00051
11.56%	10.9	1.19	1.25	0.95	0.51	0.44	0.71	1.12977	0.5519	0.16199	0.14085	0.00957
17.32%	11.3	1.16	1.16	1.11	0.7	0.79	0.89	1.14163	0.7952	0.02324	0.09464	0.00353
13.18%	7.76	0.9	0.82	0.77	0.55	0.65	0.54	0.82977	0.5814	0.06949	0.05783	0.00891
24.90%	10.8	1.12	1.41	1.06	0.71	0.94	0.84	1.1954	0.8317	0.18465	0.11432	0.04409
21.25%	6.12	0.93	1.14	1.12	0.71	0.69	0.86	1.06643	0.75173	0.1169	0.09675	0.02292
13.84%	6.51	1.12	1.14	0.94	0.59	0.66	0.9	1.06627	0.71717	0.10737	0.16613	0.03777
6.04%	5.02	0.56	0.73	0.42	1.43	1.57	0.85	0.57027	1.28137	0.158	0.37871	0.03988
6.02%	5.28	0.7	0.67	0.92	1.34	1.48	1.67	0.76487	1.4964	0.13764	0.16555	0.00417
24.60%	9.18	1.04	0.93	1.01	1.45	1.31	1.6	0.99343	1.45447	0.05769	0.14181	0.00645
13.38%	6.62	0.93	1.36	1.45	0.82	0.7	0.79	1.2465	0.76763	0.27609	0.06117	0.04268
14.62%	8.98	0.45	0.73	0.81	2.1	1.93	2.13	0.6629	2.05413	0.19244	0.10818	0.0004
18.62%	6.64	0.73	0.81	0.91	1.08	1.08	1.33	0.81387	1.1614	0.0892	0.14247	0.02314
12.17%	6.91	0.84	0.79	0.8	1.17	1.18	1.1	0.81203	1.1532	0.02578	0.04201	0.00028
10.98%	4.91	1.25	1.09	1.17	0.81	0.74	0.93	1.1729	0.82883	0.0776	0.09822	0.0089
30.00%	4.55	0.88	0.31	0.51	1.41	1.28	2.05	0.56463	1.5777	0.2916	0.41306	0.02557
15.66%	7.09	0.73	0.93	0.92	1.17	1.16	1.49	0.86053	1.2712	0.11466	0.18728	0.0317
13.05%	5.62	0.74	0.82	0.74	1.15	1.15	1.12	0.76697	1.14127	0.04594	0.01999	0.00021
29.27%	6.92	0.84	0.88	0.82	1.16	1.14	1.3	0.84417	1.20017	0.02944	0.08585	0.00245
6.26%	9.33	0.79	0.72	0.68	2.83	2.9	1.88	0.73257	2.53887	0.05671	0.57418	0.00561
7.48%	7.1	1.13	0.92	0.94	1.39	1.39	1.59	0.9942	1.4542	0.11469	0.1151	0.00802
14.67%	5.33	0.76	0.2	1.2	1.82	1.97	2.75	0.72087	2.1799	0.50185	0.50001	0.02343
14.24%	8.27	1.01	1.04	1.05	1.49	1.46	1.47	1.03413	1.47237	0.01889	0.0172	7.6E-06
8.02%	5.55	0.57	0.51	0.61	1.69	1.57	2.67	0.5654	1.9752	0.05052	0.60421	0.01577
7.38%	4.87	1.07	0.89	0.88	1.47	1.45	1.55	0.94707	1.49057	0.11002	0.05358	0.00154
30.61%	4.73	1.01	0.73	0.75	1.39	1.34	1.31	0.8288	1.34377	0.15356	0.03991	0.00492
12.10%	8.31	0.78	0.79	0.87	1.41	1.29	1.17	0.81547	1.2892	0.04972	0.12296	0.00347
21.01%	5.72	0.88	0.86	0.84	1.65	1.41	1.2	0.86207	1.4192	0.01695	0.22897	0.01366
21.77%	7.18	1	0.87	0.93	1.29	1.29	1.41	0.9373	1.33203	0.06417	0.06874	0.0019
27.00%	5.57	0.93	0.8	0.91	1.38	1.29	1.46	0.87887	1.3746	0.06828	0.08641	0.00146
32.87%	6.96	0.89	0.9	0.92	1.36	1.28	1.32	0.90257	1.32163	0.01406	0.04053	7.2E-05
11.05%	6.5	1.32	1.24	1.21	0.78	0.79	0.92	1.25817	0.82983	0.05802	0.0787	0.00162
13.03%	6.48	0.96	0.98	0.85	1.23	1.44	1.25	0.93153	1.30537	0.06872	0.11738	0.0089
9.28%	7.29	0.83	0.73	0.68	1.56	1.42	1.39	0.74993	1.45487	0.07737	0.0918	0.00053
4.46%	8.79	0.83	0.86	0.72	1.67	1.4	1.28	0.80353	1.45217	0.0765	0.19759	0.00608
12.89%	9	0.78	0.56	0.77	1.78	1.87	2.29	0.70597	1.97947	0.12424	0.26972	0.00175
1.97%	5.48	1.06	1.07	1.07	1.48	1.54	1.86	1.06557	1.625	0.00691	0.2049	0.00913
16.29%	9.25	0.95	0.82	0.81	1.53	1.43	1.65	0.85647	1.53487	0.07864	0.11046	0.00098
22.67%	9.5	0.85	0.92	1.05	1.61	1.51	1.4	0.9412	1.50623	0.09833	0.10136	0.00228
30.00%	9.74	0.93	0.93	0.99	1.53	1.29	1.46	0.95413	1.42547	0.03479	0.12571	0.00332
45.78%	4.88	0.79	0.81	0.88	1.67	1.92	1.77	0.82537	1.7895	0.04549	0.12597	0.00024
62.16%	8.12	1.09	0.98	0.99	1.46	1.75	1.33	1.01773	1.51637	0.05961	0.21288	0.01744

37.69%	9.4	1.01	0.95	1.02	1.58	1.5	1.57	0.9937	1.55247	0.03774	0.04223	6.9E-05
26.99%	4.91	1	0.9	0.93	1.39	1.4	1.6	0.94387	1.46027	0.05189	0.11904	0.00233
38.10%	7.74	1.07	0.98	0.93	1.4	1.41	1.62	0.99217	1.47713	0.06974	0.12322	0.00405
3.61%	9.66	0.95	1.29	1.29	0.8	0.82	0.86	1.1774	0.82763	0.19522	0.03211	0.03758
27.80%	8.82	0.9	0.85	0.89	1.44	1.51	1.42	0.88007	1.45737	0.027	0.05013	6.2E-05
21.82%	8.46	0.94	0.75	0.66	1.26	1.19	1.43	0.78013	1.2916	0.1429	0.12717	0.0098
25.39%	9.71	0.93	0.93	0.98	1.63	1.51	1.46	0.9494	1.53337	0.02694	0.08744	0.00038

Fold-change

OMa/Ma

0.6953

1.44944

0.68125

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0.71319

0.58145

0.60111

2.12251

0.69226

0.65411

1.66954

2.2051

2.0268

1.69121

1.61782

1.53799

1.55117

1.77841

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1.81785

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2.39124

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1.76456

1.72909

1.60624

5.06166

5.06166
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1.90048
0.67333
0.7019
0.62398
1.51893
1.46196
1.45997
0.48851
0.69655
0.70068
0.69575
0.7049
0.6726
2.24696
1.95642
1.46408
0.61583
3.09871
1.42702
1.42014
0.70665
2.7942
1.47722
1.48803
1.42172
3.46571
1.46268
3.024
1.42377
3.49346
1.57388
1.62134
1.58094
1.64628
1.42114
1.56406
1.46431
0.65956
1.40131
1.93999
1.80723
2.80391
1.52501
1.79209
1.60033
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2.16813
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1.56231
1.54711
1.4888
0.70293
1.65597
1.65561
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Supplemental Table S7. The core proteome of plastoglobules in citrus chromoplasts

Accession	Homologies of AT	Protein description	Functional category	PepCou
Cs2g19200.4	AT3G07700.1	ABC1K7; ABC1 family protein	misc.ABC1k family	18
Cs3g01840.1	AT1G79600.1	ABC1K3; ABC1 family protein	misc.ABC1k family	10
Cs3g22140.3	AT1G71810.1	ABC1K5; ABC1 family protein	misc.ABC1k family	4
Cs7g07380.1	AT4G31390.1	ABC1K1; ABC1 family protein	misc.ABC1k family	16
Cs7g29500.1	AT5G05200.1	ABC1K9; ABC1 family protein	misc.ABC1k family	6
Cs9g11110.2	AT3G24190.1	ABC1K6; ABC1 family protein	misc.ABC1k family	4
Cs2g02520.1	AT4G22240.1	Fibrillin 1 (FBN1)	misc.fibrillins	351
Cs3g09310.1	AT2G35490.1	Fibrillin 2 (FBN2)	misc.fibrillins	25
Cs9g09850.1	AT3G23400.1	Fibrillin 4 (FBN4)	misc.fibrillins	18
orange1.1t0224	AT2G42130.4	Fibrillin 7b (FBN7b)	misc.fibrillins	41
Cs4g19670.2	AT4G32770.1	tocopherol cyclase	secondary metabolism	16
Cs3g11690.3	AT1G54570.1	Diacylglycerol acyltransferase	Diacylglycerol lipid metabolism	20
Cs1g08540.1	AT5G08740.1	NDC1 | NDC1 (NAD(P)H dehydrogenase	redox	2
Cs3g09230.1	AT1G32220.1	Flavin reductase-related 1	not assigned.unknown	24
Cs5g28130.1	AT4G13200.1	unknown protein	not assigned.unknown	12
Cs6g14580.1	AT3G10130.1	SOUL heme-binding family protein	redox.heme	15
Cs3g18390.1	AT1G78140.1	UbiE methyltransferase-related 1	not assigned.no ontolo	3
Cs2g03600.1	AT2G34460.1	Flavin reductase-related 2; flavin reductase	not assigned.no ontolo	28
Cs1g01370.1	AT2G22170.1	PLAT/LH2-1; lipid-associated family prot	not assigned.no ontolo	1
Cs2g13080.2	AT1G15060.1	Unknown SAGUncharacterised conserved	not assigned.unknown	2
Cs2g25310.1	AT3G27110.1	M48 protease	protein.degradation	3
Cs2g14090.1	AT5G41120.1	Esterase 1; esterase/lipase/thioesterase fam	tetrapyrrole degradatio	3
Cs2g14110.1	AT5G41120.1	Esterase 1; esterase/lipase/thioesterase fam	tetrapyrrole degradatio	3
Cs2g14120.1	AT5G41120.1	Esterase 1; esterase/lipase/thioesterase fam	tetrapyrrole degradatio	10

Unique ^l	Average		Standard Deviation			p-value			Trend		
	MG/11	Br/113	Ma/113	MG/113	Br/113	Ma/113	pval(Br)	pval(M ₂)	pval(M ₂)	Trend(E)	Trend(N)
12	0.689	1.027	1.14	0.0549	0.0588	0.0344	0.0002	0.0328	6E-05	1	1
8	0.848	1.086	1.165	0.0247	0.1615	0.0639	0.0271	0.4648	0.0002	1	0
4											
10	0.855	1.214	1.195	0.0543	0.0837	0.0633	0.0004	0.7665	0.0006	1	0
3	0.805	1.025	1.194	0.0102	0.0813	0.0264	0.0017	0.0191	1E-06	1	1
4											
15	1.017	1.127	1.054	0.0553	0.0404	0.0307	0.0184	0.0492	0.3488	1	-1
6	1.036	1.229	1.181	0.1266	0.0374	0.0431	0.0265	0.1769	0.1206	1	0
5	0.691	0.967	1.111	0.0518	0.0493	0.0773	0.0002	0.0288	0.0003	1	1
8	1.005	1.095	0.976	0.0469	0.1397	0.2135	0.2709	0.4123	0.798	0	0
8	1.019	1.022	0.984	0.067	0.0727	0.0442	0.9652	0.4705	0.4695	0	0
11	0.998	1.273	1.013	0.0601	0.063	0.0874	0.0007	0.0057	0.802	1	-1
2											
5	1.028	1.086	0.978	0.0969	0.256	0.192	0.6881	0.57	0.6644	0	0
4	0.829	1.09	1.129	0.0268	0.0699	0.072	0.0004	0.5073	0.0005	1	0
7	0.932	1.046	0.966	0.0955	0.1174	0.0427	0.1809	0.3212	0.5883	0	0
2	1.083	1.093	1.147	0.0561	0.1716	0.266	0.9116	0.7569	0.6499	0	0
7	0.991	1.111	1.152	0.0293	0.0249	0.056	0.0008	0.2431	0.004	1	0
1											
2											
2	1.13	1.198	1.101	0.1121	0.1509	0.0523	0.4969	0.3422	0.6958	0	0
1	0.863	1.124	1.389	0.1948	0.0715	0.1914	0.0455	0.0478	0.0162	1	1
3	0.665	0.853	1.092	0.1442	0.2956	0.2908	0.2961	0.335	0.0482	0	0
6	0.837	0.884	1.077	0.0881	0.161	0.0177	0.6276	0.0988	0.0061	0	0

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